1956–1976
20
TWENTIETH ANNIVERSARY

DIGITAL INTEGRATED CIRCUIT D.A.T.A.BOOK

MANY CATEGORIES INCLUDING:

- GATES
- COUNTERS
- FLIP FLOPS
- CLOCKS
- TIME DELAYS
- DECODERS

Plus . . . Drivers . . . Arithmetic Circuits . . . A/D, D/A & Logic Converters, Multiplexers, Encoders, etc . . .

SPRING 1976

22nd EDITION

THIS D.A.T.A.BOOK VALID UNTIL AUGUST 1976

D.A.T.A. REFERENCE STANDARDS FOR INDUSTRY

D.A.T.A., INC.
A Cordura Company

DIGITAL INTEGRATED CIRCUIT D.A.T.A.BOOK

22nd EDITION SPRING 1976

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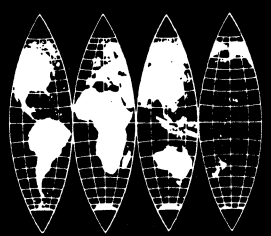

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HOW TO MAKE MAXIMUM USE OF THIS D.A.T.A.BOOK

To make maximum use of this D.A.T.A.BOOK, select the particular known-unknown situation below that defines your problem, and follow the instructions as indicated.

1	KNOWN: Electrical and Mechanical Requirements UNKNOWN: Suitable Type Numbers a. Turn to the Table of Contents (first page) and select the technical data section corresponding to the subject device type. b. Turn to any page in the selected section. Note the sequencing parameters (those characteristics for which the data is sequenced) indicated at the top corner of the page. c. Using the sequencing parameters, locate the type numbers that are in general agreement with your requirements. (Because of the sequencing arrangement, these types will appear together, in groups and sub-groups.) From among these, select the one or ones most suitable. d. To identify the manufacturer of the selected type number(s), follow the instructions in Block 2 below.
2	KNOWN: Type Number UNKNOWN: Manufacturer(s), Address, Local Offices a. Turn to Type No. Cross-Index (Section 3) and locate the subject type number. (Refer to 'HOW TYPE NUMBERS ARE SEQUENCED IN THE TYPE NUMBER CROSS-INDEX'.) b. Note the 3- or 4-letter manufacturer's code(s), e.g., TII, GESY indicated for each of the subject types. c. Use the listing of 'MANUFACTURERS & THEIR CODES' in back of the book to identify the codes. (Note: Local offices for manufacturers shown in bold print on this listing are identified in a special section in back of the book.)
3.	KNOWN: Type Number UNKNOWN: Its Electrical Characteristics, And/Or Logic and Outline Drawings a. Turn to Type No. Cross-Index and locate the subject type number. b. Note the page and line number, e.g., 70-104, alongside the type number. c. Locate the type number as noted, in the technical sections. (Note: Along with the electrical and performance characteristics listed for each type number are references to the logic and outline drawings, located in Section 12 and Section 13, respectively.)
4	KNOWN: Type Number UNKNOWN: Equivalent Types for Replacement a. Follow the instructions in Block 3 above. b. Survey the type numbers surrounding the subject number to determine the suitable alternatives.
5	KNOWN: Military Requirements UNKNOWN: Suitable Type Number(s) a. Follow the instructions in Block 1, to determine the general type numbers that meet the military requirements. From among these, select the military types by means of the identifying prefix (M38510). b. To identify the manufacturers, follow the instructions in Block 6.
6	KNOWN: Military Type Number UNKNOWN: Qualified Manufacturers And/Or Applicable Military Specification a. Turn to Section 11A (TYPES WITH U. S. MILITARY SPECIFICATIONS), and locate the subject type number. (Type numbers are arranged in alpha-numeric order.) b. Note the manufacturer's code(s) and detail specification listed next to the type number. (The detail specification added to the general specification indicated in the column heading for the detail specification, makes up the complete military specification for the subject device.) c. Use the listing of MANUFACTURERS & THEIR CODES in back of the book to identify the manufacturer code(s).
7	KNOWN: Type Number Not Included In Book UNKNOWN: What Happened To It? a. Consult D.A.T.A.BOOK OF DISCONTINUED INTEGRATED CIRCUITS.

To present a maximum amount of information in a minimum amount of space, use is made in this book of the following data modifiers:

POWERS-OF-TEN MULTIPLIERS

The powers-of-ten multipliers shown below are used in numeric columns when the value being entered is many times greater or smaller than the units of measure indicated in the column heading. Usually, the latter are the so-called 'basic' units; such as V (volts), A (amperes) and s (seconds). The multipliers and an explanation of their use are given below:

MULTIPLIERS

PREFIXES & SYMBOLS Indicating Powers of Ten — Recommended by International Committee on Weights and Measures Adopted by National Bureau of Standards

Power	Prefix	Symbol	Power	Prefix	Symbol	Power	Prefix	Symbol
10^{12}	tera	T	10	deka	da	10^{-9}	nano	n
10^{9}	giga	G	10^{-1}	deci	d	10^{-12}	pico	p
10^{6}	mega	M	10^{-2}	centi	c	10^{-15}	femto	f
10^{3}	kilo	k	10^{-3}	milli	m	10^{-18}	atto	a
10^{2}	hecto	h	10^{-6}	micro	μ			

EXPLANATION

Value of Data To Be Entered	Basic Unit In Column Heading	Actual Entry
3 milliamperes	A (amperes)	3.0m
9 megaohms	Ω (ohms)	9.0M
0.5 volt	V (volts)	500m *
10 amperes	A (amperes)	10

* May also be written as 0.5, with no multiplier

SYMBOLS & CODES

Symbols – Symbols such as #, △, and $ are used in all columns, numeric or otherwise, whenever the data entries differ in some way from the entity defined in the column heading. For instance, if a given heading specifies Max. Power (in Watts) and the numeric value being entered for a given type represents the minimum power instead, the variance is denoted by the appearance of a special symbol alongside the numeric entry.

NOTE: The symbols and codes used herein are explained on the cards in back of the book.

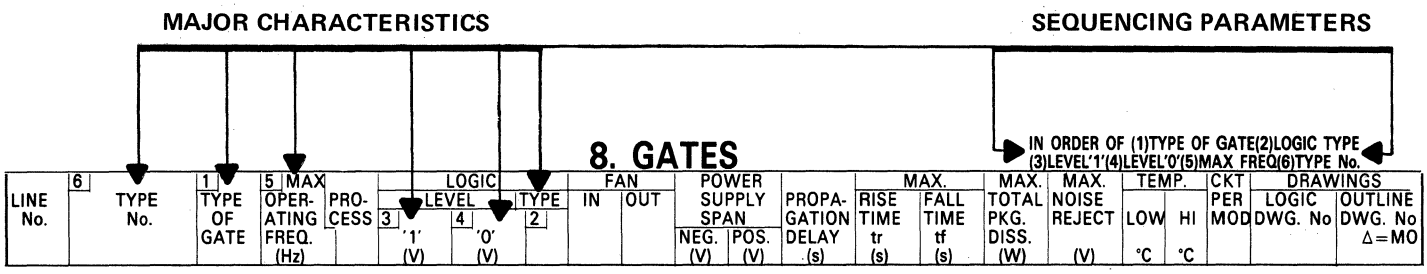
Codes – Codes are used in some columns as means to abbreviate the data being entered. The codes may be alphabetic (A,B,C, etc.) numeric (1,2,3, etc.) or some combination of both.

HOW TYPE NUMBERS ARE SEQUENCED IN THE TYPE NUMBER CROSS-INDEX

Sequencing of type numbers in the Type Number Cross-Index is governed by the following rules:	EXAMPLES
Rules: 1) Type numbers are listed in numeric-alphabetic sequence; i.e., type numbers beginning with a number (decimal, fraction, or whole) precede type numbers beginning with a letter.	13A01 143 1202 A147 AN127 B2000
2) Decimals and fractions precede whole numbers. An equivalent decimal precedes the fraction when the remainder of type number is identical.	25Z150 1/4Z150 3/4M12Z 1T3
3) Zeros are ignored in sequencing except when the zero is the only basis for distinguishing one type number from another. In this case the type number containing the zero is listed first.	0112 112 0113 00115 AP01 AP1 AP02
4) Number and/or letter groupings preceding hyphens or slashes are the controlling factors in sequencing. The hyphens and slashes themselves precede any identically positioned letters also having the same beginning number/letter groupings.	66-0706 66M1 70/10 70A9

NOTE: LOGIC TYPE IS NOW A MAJOR SEQUENCE PARAMETER TO FACILITATE LOGIC SYSTEM DESIGN

The arrangement of types in the technical sections is keyed to a set of special characteristics selected for their importance from among the general group of characteristics tabulated in each section. These selected characteristics, or sequencing parameters, differ from one section to another, and are identified at the top corner of each page, as shown in the sample below.



The different types within a section are first arranged in ascending numeric (or alphabetic) order of the first such parameter. Groups of types having a common value for the first parameter are then arranged in ascending order of the second parameter. This process continues for each parameter in turn, up to and including the last parameter which, in every instance, is the type number itself. The final arrangement, by type number, is done in accordance with the sequencing of type numbers in the cross-index, as explained on the preceding page.

A simplified model of the arrangement as described is shown below.

4 Type Number	Characteristics 1 A	2 B	C	3 D
A13	100		325	
A4	100		1000	20
A9	100	A	20	25
A10	100	A	200	25
A3	100	B	40	15
A1	100	C	80	10
A8	100	C	900	15
A7	100	D	35	30
A11	110	A	60	25
A2	120	A	300	15
A5	120	B	150	20
A6	120	B	200	20
A12	120	B	475	25
	Last Seq. Par.	1st Seq. Par.	2nd Seq. Par.	(Not Seq.) 3rd Seq. Par.

Note that the absence of an entry for any sequencing parameter is regarded as a zero, and precedes any actual entries in the sequencing.

3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line
1N5768	ΔTII	231 - 66
1N5769	ΔTII	231 - 25
1N5770	ΔTII	231 - 67
1N5771	ΔTII	231 - 26
1N5772	ΔTII	231 - 68
1N5773	ΔTII	231 - 27
1N5774	ΔTII	231 - 69
1N5775	ΔTII	231 - 28
1N5981	ΔITT	232 - 17
1N5982	ΔITT	232 - 10
1N5983	ΔITT	231 - 70
1N5984	ΔITT	231 - 50
2N5146	Δ♦MOTA RTN	233 - 63
2N6501	ΔMOTA	233 - 64
3N151	Δ♦GIC INL	233 - 32
6N126	ΔTII	134 - 42
6N127	ΔTII	134 - 43
6N128	ΔTII	152 - 90
6N129	ΔTII	152 - 91
6N130	ΔTII	152 - 92
6N131	ΔTII	152 - 93
6N132	ΔTII	152 - 94
6N133	ΔTII	53 - 50
33	♦SSE	203 - 65
54R00	RTN	147 - 85
54R02	RTN	122 - 77
54R11	RTN	102 - 26
54R40	RTN	147 - 86
54R64	RTN	110 - 60
54R74	RTN	70 - 23
54R112	RTN	60 - 22
54R113	RTN	60 - 23
54R114	RTN	60 - 24
54R140	RTN	219 - 48
54R181	RTN	245 - 90
54R192	RTN	76 - 48
54R193	RTN	82 - 14
74R00	RTN	147 - 89
74R02	RTN	122 - 78
74R40	RTN	147 - 90
74R74	RTN	70 - 24
74R112	RTN	60 - 25
74R113	RTN	60 - 26
74R114	RTN	60 - 27
74R181	RTN	245 - 91
74R192	RTN	76 - 49
74R193	RTN	82 - 15
93L01DC	AMV	88 -106
	FSC	
93L01DM	AMV	88 -107
	FSC	
93L01FC	FSC	96 - 81
93L01FM	AMV	88 -108
	FSC	
93L01PC	AMV	89 - 1
93L08DC	AMV	250 - 35
	FSC	
93L08DM	AMV	250 - 36
	FSC	
93L08FC	FSC	248 - 94
93L08FM	AMV	250 - 37
	FSC	
93L08PC	AMV	249 - 4
93L09DC	AMV	236 - 36
	FSC	
93L09DM	AMV	236 - 39
	FSC	
93L09FC	FSC	235 - 84
93L09FM	AMV	236 - 40
	FSC	
93L09PC	AMV	235 -101
93L10DC	AMV	74 - 26
	FSC	
93L10DM	AMV	74 - 27
	FSC	
93L10FM	AMV	74 - 28
	FSC	
93L10PC	AMV	74 - 29
93L11DC	AMV	89 - 2
	FSC	
93L11DM	AMV	89 - 3
	FSC	
93L11FC	FSC	96 - 82
93L11FM	AMV	89 - 4
	FSC	
93L11PC	AMV	89 - 5
93L12DC	AMV	236 - 37
	FSC	
93L12DM	AMV	236 - 41
	FSC	
93L12FC	FSC	235 - 85
93L12FM	♦AMV	236 - 42
	FSC	
93L12PC	AMV	235 -102
93L14DC	AMV	248 -103
	FSC	
93L14DM	AMV	248 -104
	FSC	
93L14FM	AMV	248 -105
	FSC	
93L14PC	AMV	248 -106
93L16DC	AMV	79 - 91
	FSC	
93L16DM	AMV	79 - 92
	FSC	
93L16FM	AMV	79 - 93
	FSC	
93L16PC	AMV	79 - 94
93L18DC	AMV	251 - 10
	FSC	
93L18DM	AMV	251 - 11
	FSC	
93L18FM	AMV	251 - 12
	FSC	
93L18PC	AMV	251 - 13
93L21DC	♦AMV	89 - 6
	FSC	
93L21DM	♦AMV	89 - 7
	FSC	
93L21FM	♦AMV	89 - 8
	FSC	
93L21PC	♦AMV	89 - 9
93L22DC	AMV	236 - 38
	FSC	
93L22DM	AMV	236 - 43
	FSC	
93L22FC	FSC	235 - 86
93L22FM	AMV	236 - 44
	FSC	
93L22PC	AMV	235 -103
93L24DC	AMV	246 - 27
	FSC	
93L24DM	AMV	246 - 28
	FSC	
93L24FM	AMV	246 - 29
	FSC	
93L24PC	AMV	246 - 30
93L40DC	AMV	244 -109
93L40DM	AMV	244 -110
93L40FM	AMV	245 - 1
93L40PC	AMV	245 - 2
93L41DC	AMV	245 - 3
93L41DM	AMV	245 - 4
93L41FM	AMV	245 - 5
93L41PC	AMV	245 - 6
93L60DC	AMV	74 - 36
93L60DM	AMV	74 - 37
93L60FM	AMV	74 - 38
93L60PC	AMV	74 - 39
93L66DC	AMV	86 - 82
93L66DM	AMV	86 - 83
93L66FM	AMV	86 - 84
93L66PC	AMV	86 - 85
93S10DC	♦AMV	76 - 23
93S10DM	♦AMV	76 - 24
93S10FM	♦AMV	76 - 25
93S10PC	♦AMV	76 - 26
93S16DC	♦AMV	76 - 27
93S16DM	♦AMV	76 - 28
93S16FM	♦AMV	76 - 29
93S16PC	♦AMV	76 - 30
93S21DC	♦AMV	97 - 9
93S21DM	♦AMV	97 - 10
93S21FM	♦AMV	97 - 11
93S21PC	♦AMV	97 - 12
93S48DC	♦AMV	247 - 66
93S48DM	♦AMV	247 - 67
93S48FM	♦AMV	247 - 68
93S48PC	♦AMV	247 - 69
96L02DC	AMV	165 - 62
96L02DM	AMV	165 - 63
96L02FM	AMV	165 - 64
96L02PC	AMV	165 - 65
104BCD-N	♦FMI	169 - 98
104BCD-P	♦FMI	170 - 22
104BIN-N	♦FMI	169 - 99
104BIN-P	♦FMI	170 - 20
105BCD-N	♦FMI	169 -100
105BCD-P	♦FMI	170 - 26
105BIN-N	♦FMI	169 -101
105BIN-P	♦FMI	170 - 24
106-1	♦FMI	170 - 21
107BCD	♦FMI	170 - 17
107BIN	♦FMI	170 - 18
109	♦FMI	170 - 19
158	♦FMI	170 - 28
160-10	♦FMI	170 - 27
160-12	♦FMI	169 -102
161-10	♦FMI	169 -103
161-12	♦FMI	170 - 30
168-12	FMI	170 - 29
170-8	♦FMI	170 - 31
170-10	♦FMI	170 - 32
170-12	♦FMI	170 - 33
171-8	♦FMI	170 - 34
171-10	♦FMI	170 - 35
171-12	♦FMI	170 - 36
175-8	FMI	170 - 56
175-10	FMI	170 - 55
175-12	FMI	170 - 53
190	♦FMI	252 - 11
191	♦FMI	252 - 12
192	♦FMI	243 - 60
195	♦FMI	252 - 15
301AL	♦TSC	130 - 24
301BL	♦TSC	130 - 25
301CJ	♦TSC	131 - 1
301CL	♦TSC	130 - 26
301ML	♦TSC	130 - 27
302AL	♦TSC	130 - 28
302BL	♦TSC	130 - 29
302CJ	♦TSC	130 - 30
302CL	♦TSC	130 - 31
302ML	♦TSC	130 - 32
303AL	♦TSC	130 - 33
303BL	♦TSC	130 - 34
303CJ	♦TSC	130 -110
303CL	♦TSC	130 - 35
303ML	♦TSC	130 - 36
311AJ	♦TSC	50 - 78
311AL	♦TSC	50 - 79
311BL	♦TSC	50 - 80
311CJ	♦TSC	50 - 66
311CL	♦TSC	50 - 81
311ML	♦TSC	50 - 82
312AJ	♦TSC	50 - 67
312AL	♦TSC	50 - 68
312BL	♦TSC	50 - 69
312CJ	♦TSC	50 - 63
312CL	♦TSC	50 - 70
312ML	♦TSC	50 - 71
313AJ	♦TSC	50 - 72
313AL	♦TSC	50 - 73
313BL	♦TSC	50 - 74
313CJ	♦TSC	50 - 75
313CL	♦TSC	50 - 76
313ML	♦TSC	50 - 77
321AJ	♦TSC	130 - 37
321AL	♦TSC	130 - 38
321BL	♦TSC	130 - 39
321CJ	♦TSC	131 - 2
321CL	♦TSC	130 - 40
321ML	♦TSC	130 - 41
322AJ	♦TSC	130 - 42
322AL	♦TSC	130 - 43
322BL	♦TSC	130 - 44
322CJ	♦TSC	131 - 3
322CL	♦TSC	130 - 45
322ML	♦TSC	130 - 46
323AJ	♦TSC	130 - 47
323AL	♦TSC	130 - 48
323BL	♦TSC	130 - 49
323CJ	♦TSC	130 - 50
323CL	♦TSC	130 - 51
323ML	♦TSC	130 - 52
324AJ	♦TSC	130 - 53
324AL	♦TSC	130 - 54
324BL	♦TSC	130 - 55
324CJ	♦TSC	130 -108
324CL	♦TSC	130 - 56
324ML	♦TSC	130 - 57
325AJ	♦TSC	130 - 58
325AL	♦TSC	130 - 59
325BL	♦TSC	130 - 60
325CJ	♦TSC	131 - 4
325CL	♦TSC	130 - 61
325ML	♦TSC	130 - 62
326AJ	♦TSC	130 - 63
326AL	♦TSC	130 - 64
326BL	♦TSC	130 - 65
326CJ	♦TSC	130 -109
326CL	♦TSC	130 - 66
326ML	♦TSC	130 - 67
331AJ	♦TSC	158 - 47
331AL	♦TSC	158 - 48
331BL	♦TSC	158 - 49
331CJ	♦TSC	157 - 85
331CL	♦TSC	158 - 50
331ML	♦TSC	158 - 51
332AJ	♦TSC	150 - 74
332AL	♦TSC	150 - 75
332BL	♦TSC	150 - 76
332CJ	♦TSC	150 - 77
332CL	♦TSC	150 - 78
332ML	♦TSC	150 - 79
333AL	♦TSC	150 - 80
333BL	♦TSC	150 - 81
333CJ	♦TSC	150 - 82
333CL	♦TSC	150 - 83
333ML	♦TSC	150 - 84
334AJ	♦TSC	194 - 50
334AL	♦TSC	194 - 51
334BL	♦TSC	194 - 52
334CJ	♦TSC	194 - 53
334CL	♦TSC	194 - 54
334ML	♦TSC	194 - 55
335AL	♦TSC	194 - 56
335BL	♦TSC	194 - 57
335CJ	♦TSC	194 - 58
335CL	♦TSC	194 - 59
335ML	♦TSC	194 - 60
341AJ	♦TSC	104 - 64
341AL	♦TSC	104 - 65
341BL	♦TSC	104 - 66
341CJ	♦TSC	155 - 27
341CL	♦TSC	104 - 67
341ML	♦TSC	104 - 68
342AJ	♦TSC	164 - 78
342AL	♦TSC	164 - 79
342BL	♦TSC	164 - 80
342CJ	♦TSC	164 - 81
342CL	♦TSC	164 - 82
342ML	♦TSC	164 - 83
343AJ	♦TSC	247 - 23
343AL	♦TSC	247 - 24
343BL	♦TSC	247 - 25
343CJ	♦TSC	247 - 26
343CL	♦TSC	247 - 27
343ML	♦TSC	247 - 28
344AJ	♦TSC	104 - 69
344AL	♦TSC	104 - 70
344BL	♦TSC	104 - 71
344CJ	♦TSC	104 - 72
344CL	♦TSC	104 - 73
344ML	♦TSC	104 - 74
347AJ	♦TSC	164 - 84
347AL	♦TSC	164 - 85
347BL	♦TSC	164 - 86
347CJ	♦TSC	164 - 87
347CL	♦TSC	164 - 88
347ML	♦TSC	164 - 89
349AJ	♦TSC	164 - 35
349AL	♦TSC	164 - 36
349BL	♦TSC	164 - 37
349CJ	♦TSC	164 - 38
349CL	♦TSC	164 - 39
349ML	♦TSC	164 - 40
350AJ	♦TSC	243 - 89
350AL	♦TSC	243 - 90
350BL	♦TSC	243 - 91
350CJ	♦TSC	243 - 92
350CL	♦TSC	243 - 93
350ML	♦TSC	243 - 94
351AJ	♦TSC	243 - 95
351AL	♦TSC	243 - 96
351BL	♦TSC	243 - 97
351CJ	♦TSC	243 - 98
351CL	♦TSC	243 - 99
351ML	♦TSC	243 -100
361AJ	♦TSC	184 - 69
361AL	♦TSC	184 - 70
361BL	♦TSC	184 - 71
361CJ	♦TSC	184 - 72
361CL	♦TSC	184 - 73
361ML	♦TSC	184 - 74
362AJ	♦TSC	184 - 75
362AL	♦TSC	184 - 76
362BL	♦TSC	184 - 77
362CJ	♦TSC	184 - 78
362CL	♦TSC	184 - 79
362ML	♦TSC	184 - 80
363AL	♦TSC	184 - 81
363BL	♦TSC	184 - 82
363CJ	♦TSC	184 - 83
363CL	♦TSC	184 - 84
363ML	♦TSC	184 - 85
367AJ	♦TSC	198 - 88
367AL	♦TSC	198 - 89
367BL	♦TSC	198 - 90
367CJ	♦TSC	198 - 91
367CL	♦TSC	198 - 92
367ML	♦TSC	198 - 93
368AJ	♦TSC	198 - 94
368AL	♦TSC	198 - 95
368BL	♦TSC	198 - 96
368CJ	♦TSC	198 - 97
368CL	♦TSC	198 - 98
368ML	♦TSC	198 - 99
371AJ	♦TSC	73 - 87
371AL	♦TSC	73 - 88
371BL	♦TSC	73 - 89
371CJ	♦TSC	73 - 92
371CL	♦TSC	73 - 90
371ML	♦TSC	73 - 91
372AJ	♦TSC	86 - 69
372AL	♦TSC	86 - 70
372BL	♦TSC	86 - 71
372CJ	♦TSC	73 - 93
372CL	♦TSC	86 - 72
372ML	♦TSC	86 - 73
373AJ	TSC	73 - 81
373AL	TSC	73 - 82
373BL	TSC	73 - 83
373CJ	TSC	73 - 84
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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9111DM	FSC	65 - 69
9111FC	FSC	65 - 83
9111FM	FSC	65 - 70
9112DC	FSC	185 - 96
9301DC	AMV	93 - 29
	FSC	
9301DM	AMV	93 - 30
	FSC	
9301FC	FSC	93 - 31
9301FM	AMV	93 - 32
	FSC	
9301PC	AMV	93 - 33
9302DC	FSC	93 - 34
9302DM	FSC	93 - 35
9302FC	FSC	93 - 36
9302FM	FSC	93 - 37
9304DC	AMV	179 - 71
	FSC	
9304DM	AMV	179 - 72
	FSC	
9304FC	FSC	179 - 73
9304FM	AMV	179 - 74
	FSC	
9304PC	AMV	179 - 75
9305DC	FSC	86 - 60
9305DM	FSC	86 - 59
9305FC	FSC	86 - 61
9305FM	FSC	86 - 62
9306DC	AMV	73-110
9306DM	AMV	74 - 1
9306FM	AMV	74 - 2
9306PC	AMV	74 - 3
9307DC	FSC	96 - 86
9307DM	FSC	96 - 84
9307FC	FSC	96 - 87
9307FM	FSC	96 - 85
9308DC	AMV	250 - 38
	FSC	
9308DM	AMV	250 - 39
	FSC	
9308FC	FSC	249 - 5
9308FM	AMV	249 - 6
	FSC	
9308PC	AMV	249 - 7
9309DC	AMV	241 - 98
	FSC	
9309DM	AMV	241 - 99
	FSC	
9309FC	FSC	235 - 88
9309FM	AMV	241-100
	FSC	
9309PC	AMV	236 - 54
9310DC	AMV	74 - 60
	FSC	
9310DM	AMV	74 - 61
	FSC	
9310FC	FSC	74 - 5
9310FM	AMV	74 - 62
	FSC	
9310PC	AMV	74 - 52
9311DC	AMV	93 - 22
	FSC	
9311DM	AMV	93 - 20
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9311FC	FSC	93 - 23
9311FM	AMV	93 - 21
	FSC	
9312DC	AMV	241-101
	FSC	
9312DM	AMV	241-102
	FSC	
9312FC	FSC	235 - 89
9312FM	AMV	241-103
	FSC	
9312PC	AMV	236 - 55
9313DC	FSC	236 - 56
9313DM	FSC	236 - 57
9313FC	FSC	236 - 58
9313FM	FSC	236 - 59
9314DC	AMV	249 - 8
	FSC	
9314DM	AMV	249 - 9
	FSC	
9314FC	FSC	65 - 51
9314FM	AMV	249 - 10
	FSC	
9314PC	AMV	249 - 11
9315DC	FSC	89 - 83
9315DM	FSC	88-104
9315FC	FSC	89 - 84
9315FM	FSC	88-105
9316DC	AMV	87 - 1
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9316DM	AMV	87 - 2
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9317BDM	FSC	96 - 90
9317BFC	FSC	96 - 93
9317BFM	FSC	96 - 91
9317CDC	FSC	96 - 94
9317CDM	FSC	96 - 95
9317CFC	FSC	96 - 96
9317CFM	FSC	96 - 92
9318DC	AMV	251 - 14
	FSC	
9318DM	AMV	251 - 15
	FSC	
9318FC	FSC	202 - 58
9318FM	AMV	251 - 16
	FSC	
9318PC	AMV	251 - 17
9321DC	♦AMV	89 - 20
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9321DM	♦AMV	89 - 21
	FSC	
9321FC	FSC	96 - 83
9321FM	♦AMV	89 - 22
	FSC	
9321PC	♦AMV	89 - 23
9322DC	AMV	241-104
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9322DM	AMV	241-105
	FSC	
9322FC	FSC	235 - 90
9322FM	AMV	241-106
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9322PC	AMV	236 - 60
9324DC	AMV	246 - 48
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9324DM	AMV	246 - 49
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9324FC	FSC	246 - 25
9324FM	AMV	246 - 50
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9324PC	AMV	246 - 51
9334DC	♦AMV	249 - 12
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9334DM	♦AMV	249 - 13
	FSC	
9334FC	FSC	249 - 14
9334FM	♦AMV	249 - 15
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9334PC	♦AMV	249 - 16
9340DC	AMV	245 - 12
	FSC	
9340DM	AMV	245 - 13
	FSC	
9340FC	FSC	244-107
9340FM	AMV	245 - 14
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9340PC	AMV	245 - 15
9341DC	AMV	245 - 16
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9341DM	AMV	245 - 17
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9341FC	FSC	245 - 18
9341FM	AMV	245 - 19
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9341PC	AMV	245 - 20
9342DC	AMV	252 - 52
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9342DM	AMV	252 - 53
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9342FC	FSC	252 - 54
9342FM	AMV	252 - 55
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9342PC	AMV	252 - 56
9344DC	FSC	233 - 90
9344DM	FSC	233 - 91
9344FC	FSC	233 - 92
9344FM	FSC	233 - 93
9345DC	FSC	93 - 39
9345DM	FSC	93 - 40
9345FC	FSC	93 - 41
9345FM	FSC	93 - 42
9348DC	FSC	247 - 70
9348DM	FSC	247 - 71
9348FC	FSC	247 - 72
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9350DC	FSC	76 - 94
9352DC	FSC	91 - 10
9352DM	FSC	91 - 11
9352FC	FSC	91 - 12
9352FM	FSC	91 - 13
9353DC	FSC	96 - 27
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9353FC	FSC	96 - 29
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9354DM	FSC	97 - 34
9354FC	FSC	97 - 35
9354FM	FSC	97 - 36
9356DC	FSC	82 - 81
9357ADC	FSC	94 - 37
9357ADM	FSC	94 - 38
9357AFC	FSC	94 - 39
9357AFM	FSC	94 - 40
9357BDC	FSC	94 - 41
9357BDM	FSC	94 - 42
9357BFC	FSC	94 - 43
9357BFM	FSC	94 - 44
9358DC	FSC	94 - 45
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9358FC	FSC	94 - 47
9358FM	FSC	94 - 48
9359FC	FSC	94 - 49
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9360DC	AMV	75 - 56
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9360DM	AMV	75 - 57
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9360FC	FSC	75 - 44
9360FM	AMV	75 - 58
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9366DM	AMV	87 - 8
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9366FC	FSC	81 - 31
9366FM	AMV	87 - 9
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9366PC	AMV	87 - 10
9368DC	FSC	200 - 19
9369DC	FSC	200 - 20
9370DC	FSC	200 - 21
9375DC	FSC	249 - 17
9375DM	FSC	249 - 18
9375FC	FSC	249 - 19
9375FM	FSC	249 - 20
9377FC	FSC	249 - 21
9377FM	FSC	249 - 22
9380DC	FSC	179 - 76
9380DM	FSC	179 - 77
9380FC	FSC	179 - 78
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9383DM	FSC	179 - 85
9383FC	FSC	179 - 86
9383FM	FSC	179 - 87
9386DC	FSC	162 - 2
9386DM	FSC	162 - 3
9386FC	FSC	162 - 4
9386FM	FSC	162 - 5
9390DC	FSC	76-107
9390DM	FSC	76-108
9390FC	FSC	76-109
9390FM	FSC	76-110
9392DC	FSC	82 - 95
9392DM	FSC	82 - 96
9392FC	FSC	82 - 97
9392FM	FSC	82 - 98
9393DC	FSC	82 - 99
9393DM	FSC	82-100
9393FC	FSC	82-101
9393FM	FSC	82-102
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9504DC	FSC	115 - 77
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9600DM	AMV	165 - 10
9600FM	AMV	165 - 11
9600PC	AMV	165 - 36
9601DC	AMV	165 - 37
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9601DM	AMV	165 - 12
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9601FC	FSC	163 - 41
9601FM	AMV	165 - 13
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9601PC	AMV	165 - 38
9602DC	AMV	165 - 39
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9602DM	AMV	165 - 14
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9602FC	FSC	165 - 40
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9613RC	FSC	222 - 92
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9614DC	AMV	217 - 56
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9615FM	AMV	222 - 96
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9615PC	AMV	223 - 57
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9616DM	♦FSC	217 - 78
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9616FM	FSC	217 - 81
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9617PC	FSC	222 - 98
9620DC	AMV	224 - 13
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9620DM	AMV	224 - 11
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9620FC	FSC	224 - 22
9620FM	AMV	224 - 12
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9620PC	AMV	224 - 14
9621DC	AMV	219 - 5
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9621DM	AMV	219 - 6
	FSC	
9621FC	FSC	217 - 51
9621FM	AMV	219 - 7
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9621PC	AMV	219 - 8
9622DC	FSC	224 - 23
9622DM	FSC	224 - 24
9622FC	FSC	224 - 25
9622FM	FSC	224 - 26
9624DC	FSC	183 - 68
9624DM	FSC	183 - 69
9624FC	FSC	183 - 70
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9625FM	FSC	185 - 13
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9627CDC	FSC	221 - 18
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9627DM	♦FSC	221 - 20
9627FM	FSC	221 - 21
9627PC	FSC	221 - 22
9634DC	FSC	217 - 16
9634DM	FSC	217 - 17
9634FM	FSC	217 - 18
9634PC	FSC	217 - 19
9635DC	FSC	220 - 18
9635DM	FSC	220 - 19
9635FM	FSC	220 - 20
9635PC	FSC	220 - 21
9636RC	FSC	217 - 20
9636RM	FSC	217 - 21
9636TC	FSC	217 - 22
9637RC	FSC	220 - 22
9637RM	FSC	220 - 23
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9640DC	FSC	220 - 25
9640DM	FSC	220 - 26
9640FM	FSC	220 - 27
9640PC	FSC	220 - 28
9641DC	FSC	220 - 29
9641DM	FSC	220 - 30
9641FM	FSC	220 - 31
9641PC	FSC	220 - 32
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9666PC	FSC	199 - 54
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9903HC	FSC	124 - 26
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9904HC	FSC	182 - 86
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9905HC	FSC	66 - 65
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9907HC	FSC	124 - 27
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9908HC	FSC	179 - 50
9909HC	FSC	118 - 83
9910HC	FSC	124 - 28
9911HC	FSC	124 - 85
9912HC	FSC	182 - 87
9913HC	FSC	66 - 43
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9914HC	FSC	124 - 30
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9915HC	FSC	124 - 86
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9921HC	FSC	158 - 60
9923EC	FSC	51 - 31
9923HC	FSC	51 - 34
9926FC	FSC	48 - 88
9926FM	FSC	48 - 89
9926HC	FSC	48 - 90
9926HM	FSC	48 - 91
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9927HC	FSC	185 - 26
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9930BC	♦SGAI	127 - 31
9930DC	♦SGAI	127 - 32
9930DM	FSC	127 - 21
	♦SGAI	
9930FC	♦SGAI	127 - 33
9930FM	FSC	127 - 22
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9930HM	FSC	152 - 26
9931FM	FSC	65 - 84
9932BC	♦SGAI	127 - 34
9932DC	♦SGAI	127 - 35
9932DM	FSC	127 - 23
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9932FC	♦SGAI	127 - 36
9932FM	FSC	127 - 24
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9932HM	FSC	152 - 27
9933BC	♦SGAI	157 - 86
9933DC	♦SGAI	157 - 87
9933DM	FSC	157 - 88
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9933FC	♦SGAI	157 - 89
9933FM	FSC	157 - 90
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9933HM	FSC	158 - 36
9934BC	♦SGAI	151 - 19
9934DC	♦SGAI	151 - 20
9934FC	♦SGAI	151 - 21
9935BC	♦SGAI	186 - 39
9935DC	FSC	186 - 40
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9935DM	FSC	186 - 22
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9935FC	FSC	186 - 41
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9935FM	FSC	186 - 23
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9936BC	♦SGAI	186 - 42
9936DC	FSC	186 - 43
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9936DM	FSC	186 - 24
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9936FC	FSC	186 - 44
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9936FM	FSC	186 - 25
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9937DC	FSC	193 - 1
9937DM	FSC	186 - 60
9937FC	FSC	193 - 2
9937FM	FSC	186 - 61
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9941HM	FSC	163 - 58
9944BC	♦SGAI	127 - 37
9944DC	♦SGAI	127 - 38
9944DM	FSC	127 - 25
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9944FC	♦SGAI	127 - 39
9944FM	FSC	127 - 26
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9944HM	FSC	152 - 28
9945BC	♦SGAI	64 - 31
9945DC	♦SGAI	64 - 32
9945DM	FSC	64 - 27
	♦SGAI	
9945FC	FSC	64 - 33
	♦SGAI	
9945FM	FSC	64 - 28
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9945HC	FSC	64 - 56
9945HM	FSC	64 - 57
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9946FC	♦SGAI	127 - 42
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9948DC	♦SGAI	64 - 35
9948DM	FSC	64 - 29
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9948FC	FSC	64 - 36
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9948FM	FSC	64 - 30
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9948HC	FSC	64 - 58
9948HM	FSC	64 - 59
9949DC	FSC	152 - 29
9949DM	FSC	151 - 46
9949FC	FSC	128-108
9949FM	FSC	151 - 47
9950DM	FSC	64 - 38
9950FC	FSC	64 - 70
9950FM	FSC	64 - 39
9950HC	FSC	64 - 60
9950HM	FSC	64 - 61
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9951DM	FSC	163 - 24
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9951FC	♦SGAI	163 - 33
9951FM	FSC	163 - 25
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9951HM	FSC	163 - 59
9952DC	FSC	119 - 17
9953DC	FSC	111-100
9954DC	FSC	111-101
9955DC	FSC	111-102
9956DC	FSC	114 - 74
9957DC	FSC	64-109
9958DC	FSC	73 - 71
9958HC	FSC	73 - 72
9960DC	FSC	96 - 79
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9961DM	FSC	151 - 48
9961FC	FSC	129 - 1
9961FM	FSC	151 - 49
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9962DC	♦SGAI	127 - 44
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9962FC	♦SGAI	127 - 45
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9963DC	FSC	152 - 31
9963DM	FSC	151 - 50
9963FC	FSC	129 - 2
9963FM	FSC	151 - 51
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9989DC	FSC	73 - 69
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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TYPE No.	MFRS	Pg&Line
AM2009D	♦NSC	253 - 65
AM2009F	♦NSC	253 - 66
AM2501DC	AMV	86 - 80
AM2501DM	AMV	86 - 81
AM2505DC	AMV	233-106
AM2505DM	AMV	233-107
AM2505FM	AMV	233-108
AM2505PC	AMV	233-109
AM2506DC	AMV	245 - 21
AM2506DM	AMV	245 - 22
AM2506FM	AMV	245 - 23
AM2506PC	AMV	245 - 24
AM2600DC	AMV	165 - 42
AM2600DM	AMV	165 - 16
AM2600FM	AMV	165 - 17
AM2600PC	AMV	165 - 43
AM2602DC	AMV	165 - 44
AM2602DM	AMV	165 - 18
AM2602FM	AMV	165 - 19
AM2602PC	AMV	165 - 45
AM2614DC	AMV	217 - 58
AM2614DM	AMV	217 - 45
AM2614FM	AMV	217 - 46
AM2614PC	AMV	217 - 59
AM2615DC	AMV	222 - 99
AM2615DM	AMV	223 - 58
AM2615FM	AMV	223 - 59
AM2615PC	AMV	222-100
AM3705CD	♦NSC	253 - 51
AM3705D	♦NSC	253 - 52
AM26123DC	♦AMV	163 - 75
AM26123DM	♦AMV	163 - 76
AM26123FM	♦AMV	163 - 77
AM26123PC	♦AMV	163 - 78
AN-DI802RAD-B	♦FMI	170 - 86
AN-DI802RAD-C	♦FMI	170 - 87
AN-DI802VID	♦FMI	170 - 84
AN-DI1002VID	♦FMI	170 - 85
API1620	♦ANA	201 - 98
ATF456	♦APX	226 - 24
ATF466#1	♦APX	226 - 25
ATF466#2	♦APX	226 - 26
ATF467#1	♦APX	226 - 28
ATF467#2	♦APX	226 - 29
ATF468	♦APX	226 - 27
ATF474	♦APX	225 - 58
AY5-1008	GIC	203 - 41
AY5-1010	GIC	203 - 42
AY5-1012	♦GIC	219 - 94
AY6-4010	♦GIC	203 - 47
AY6-4016	GIC	243 - 56
B104	♦DEC	195 - 19
B105	♦DEC	195 - 20
B113	♦DEC	123 - 58
B115	♦DEC	123 - 59
B117	♦DEC	123 - 60
B123	♦DEC	150 - 91
B124	♦DEC	123 - 61
B130	♦DEC	111-105
B155	♦DEC	96 - 78
B171	♦DEC	124 - 15
B201	♦DEC	65 - 52
B204	♦DEC	65 - 67
B301	♦DEC	167 - 65
B360	♦DEC	163 - 4
B401	♦DEC	71 - 58
B405	♦DEC	71-100
B681	♦DEC	195 - 21
BAT21	FERB	230-105
BAT22	FERB	230-106
BAT23	FERB	230-107
BAT24	FERB	230-108
BAT25	FERB	230-109
BAT26	FERB	230-110
BAT27	FERB	231 - 1
BAT28	FERB	231 - 2
BAX45	♦SGAI	232 - 18
BAX46	♦SGAI	232 - 19
BAX47	♦SGAI	232 - 20
BAX48	♦SGAI	232 - 21
BAX49	♦SGAI	232 - 22
BAX50	♦SGAI	232 - 23
BAX51	♦SGAI	232 - 24
BAX52	♦SGAI	232 - 25
BAX53	♦SGAI	232 - 26
BAX54	♦SGAI	232 - 27
BAX55	♦SGAI	232 - 28
BAX56	♦SGAI	232 - 29
BAX57	♦SGAI	232 - 30
BAX58	♦SGAI	232 - 31
BAX59	♦SGAI	232 - 32
BAX60	♦SGAI	232 - 33
BAX61	♦SGAI	232 - 34
BAX62	♦SGAI	232 - 35
BAX63	♦SGAI	232 - 36
BAX64	♦SGAI	232 - 37
BAX65	♦SGAI	232 - 38
BAX66	♦SGAI	232 - 39
BAX67	♦SGAI	232 - 40
BAX68	♦SGAI	232 - 41
BAX69	♦SGAI	232 - 42
BAX70	♦SGAI	232 - 43
BAX71	♦SGAI	232 - 44
BAX72	♦SGAI	232 - 45
BAX73	♦SGAI	232 - 46
BD5030	♦BOW	200 - 13
BD5031	♦BOW	200 - 14
BDAC1	♦DDC	172 - 75
BDAC3	♦DDC	172 - 76
BDM1615500	♦ANA	88 - 1
BDM1616500	♦ANA	88 - 2
BDM1617500	♦ANA	88 - 3
BDM1618500	♦ANA	88 - 4
BFV91	♦TIIF	232-102
BFV91N	♦TIIF	232-101
BFV92	♦TIIF	233 - 11
BFV92N	♦TIIF	233 - 12
BFV93N	♦TIIF	233 - 41
BFV94N	♦TIIF	233 - 42
BFV95N	♦TIIF	233 - 43
BFV96N	♦TIIF	233 - 30
BFV97N	♦TIIF	233 - 10
BFV98	♦TIIF	233 - 69
BFV98N	♦TIIF	233 - 70
BFX16	♦SGAI	233 - 65
BHB0007	♦SOD	227 - 10
BHB0007A	♦SOD	227 - 11
BHB0008	♦SOD	227 - 12
BHB0008A	♦SOD	227 - 13
BIP8804-1	♦BUR	90 - 25
BIP8804-2	♦BUR	90 - 26
BIP8806-1	♦BUR	90 - 16
BIP8806-2	♦BUR	90 - 17
BIP9501	♦BUR	200 - 8
BIP9502	♦BUR	200 - 9
BIP9801-1	♦BUR	90 - 27
BIP9801-2	♦BUR	90 - 28
C3205	♦ITL	88 - 39
C3404	♦ITL	250 - 40
CA555CE	♦RCA	185 - 16
CA555CG	♦RCA	185 - 17
CA555CS	♦RCA	185 - 18
CA555CT	♦RCA	185 - 19
CA555E	♦RCA	185 - 20
CA555G	♦RCA	185 - 21
CA555S	♦RCA	185 - 22
CA555T	♦RCA	185 - 23
CA1541D	♦RCA	215 - 41
CAG6	♦TCY	212 - 72
CAG6-10	♦TCY	212 - 73
CAG7	♦TCY	211 - 63
CAG7-10	♦TCY	211 - 64
CAG10	♦TCY	207-103
CAG10A	♦TCY	207-104
CAG10B	♦TCY	207-105
CAG10C	♦TCY	207-106
CAG10D	♦TCY	207 - 69
CAG13	♦TCY	207-107
CAG13A	♦TCY	207-108
CAG13C	♦TCY	207-109
CAG13D	♦TCY	207-110
CAG14	♦TCY	211 - 98
CAG14A	♦TCY	211 - 99
CAG24	♦TCY	208 - 1
CAG27	♦TCY	206 - 98
CAG27-10	♦TCY	206 - 99
CAG30	♦TCY	207 - 62
CAG42	♦TCY	208 - 2
CAG45A	♦TCY	208 - 3
CAG48A	♦TCY	208 - 4
CAM601A	♦TCY	242 - 83
CAM604A	♦TCY	242 - 84
CD2500E	♦RCA	93 - 95
CD2501E	♦RCA	93 - 96
CD2502E	♦RCA	93 - 97
CD2503E	♦RCA	93 - 98
CD4000AD	♦RCA	117 - 2
CD4000AE	♦RCA	117 - 3
CD4000AF	♦RCA	116 - 44
CD4000AK	♦RCA	117 - 4
CD4001AD	♦RCA	117 - 5
CD4001AE	♦RCA	117 - 6
CD4001AF	♦RCA	116 - 45
CD4001AK	♦RCA	117 - 7
CD4001BD	RCA	117 - 38
CD4001BE	RCA	117 - 39
CD4001BF	RCA	117 - 40
CD4001BK	RCA	117 - 41
CD4001BY	RCA	117 - 42
CD4002AD	♦RCA	117 - 8
CD4002AE	♦RCA	117 - 9
CD4002AF	♦RCA	116 - 46
CD4002AK	♦RCA	117 - 10
CD4007AD	♦RCA	232 - 89
CD4007AE	♦RCA	232 - 90
CD4007AF	♦RCA	232 - 79
CD4007AK	♦RCA	232 - 91
CD4008AD	♦RCA	182 - 55
CD4008AE	♦RCA	182 - 56
CD4008AF	♦RCA	182 - 40
CD4008AK	♦RCA	182 - 57
CD4008BD	RCA	182 - 80
CD4008BE	RCA	182 - 81
CD4008BF	RCA	182 - 82
CD4008BK	RCA	182 - 83
CD4008BY	RCA	182 - 84
CD4009AD	♦RCA	195 - 23
CD4009AE	♦RCA	195 - 24
CD4009AK	♦RCA	195 - 25
CD4009BD	RCA	197 - 42
CD4009BE	RCA	197 - 43
CD4009BF	RCA	197 - 44
CD4009BK	RCA	197 - 45
CD4009BY	RCA	197 - 46
CD4010AD	♦RCA	197 - 5
CD4010AE	♦RCA	197 - 6
CD4010AK	♦RCA	197 - 7
CD4010BD	RCA	197 - 47
CD4010BE	RCA	197 - 48
CD4010BF	RCA	197 - 49
CD4010BK	RCA	197 - 50
CD4010BY	RCA	197 - 51
CD4011AD	♦RCA	126 - 26
CD4011AE	♦RCA	126 - 27
CD4011AF	♦RCA	125 - 76
CD4011AK	♦RCA	126 - 28
CD4011BD	RCA	126 - 54
CD4011BE	RCA	126 - 55
CD4011BF	RCA	126 - 56
CD4011BK	RCA	126 - 57
CD4011BY	RCA	126 - 58
CD4012AD	♦RCA	126 - 29
CD4012AE	♦RCA	126 - 30
CD4012AF	♦RCA	125 - 77
CD4012AK	♦RCA	126 - 31
CD4013AD	♦RCA	67 - 39
CD4013AE	♦RCA	67 - 40
CD4013AF	♦RCA	67 - 29
CD4013AK	♦RCA	67 - 41
CD4016AD	♦RCA	205 - 83
CD4016AE	♦RCA	205 - 84
CD4016AF	♦RCA	205 - 85
CD4016AK	♦RCA	205 - 86
CD4017AD	♦RCA	85 - 60
CD4017AE	♦RCA	85 - 61
CD4017AF	♦RCA	85 - 26
CD4017AK	♦RCA	85 - 62
CD4018AD	♦RCA	85 - 63
CD4018AE	♦RCA	85 - 64
CD4018AF	♦RCA	85 - 27
CD4018AK	♦RCA	85 - 65
CD4019AD	♦RCA	102-102
CD4019AE	♦RCA	102-103
CD4019AF	♦RCA	102 - 91
CD4019AK	♦RCA	102-104
CD4020AD	♦RCA	79 - 23
CD4020AE	♦RCA	79 - 24
CD4020AF	♦RCA	78 - 63
CD4020AK	♦RCA	79 - 25
CD4022AD	♦RCA	85 - 66
CD4022AE	♦RCA	85 - 67
CD4022AF	♦RCA	85 - 28
CD4022AK	♦RCA	85 - 68
CD4023AD	♦RCA	126 - 32
CD4023AE	♦RCA	126 - 33
CD4023AF	♦RCA	125 - 78
CD4023AK	♦RCA	126 - 34
CD4024AD	♦RCA	79 - 26
CD4024AE	♦RCA	79 - 27
CD4024AF	♦RCA	78 - 64
CD4024AK	♦RCA	79 - 28
CD4024AT	♦RCA	79 - 29
CD4025AD	♦RCA	117 - 11
CD4025AE	♦RCA	117 - 12
CD4025AF	♦RCA	116 - 47
CD4025AK	♦RCA	117 - 13
CD4026AD	♦RCA	85 - 69
CD4026AE	♦RCA	85 - 70
CD4026AF	♦RCA	85 - 29
CD4026AK	♦RCA	85 - 71
CD4027AD	♦RCA	48 - 62
CD4027AE	♦RCA	48 - 63
CD4027AK	♦RCA	48 - 64
CD4028AD	♦RCA	90 - 61
CD4028AE	♦RCA	90 - 62
CD4028AF	♦RCA	90 - 48
CD4028AK	♦RCA	90 - 63
CD4029AD	♦RCA	86 - 5
CD4029AE	♦RCA	86 - 6
CD4029AK	♦RCA	86 - 7
CD4030AD	♦RCA	155 - 19
CD4030AE	♦RCA	155 - 20
CD4030AF	♦RCA	155 - 8
CD4030AK	♦RCA	155 - 21
CD4032AD	♦RCA	182 - 70
CD4032AE	♦RCA	182 - 71
CD4032AK	♦RCA	182 - 72
CD4033AD	♦RCA	73 - 52
CD4033AE	♦RCA	73 - 53
CD4033AF	♦RCA	73 - 15
CD4033AK	♦RCA	73 - 54
CD4037AD	♦RCA	102-105
CD4037AE	♦RCA	102-106
CD4037AF	♦RCA	102 - 92
CD4037AK	♦RCA	102-107
CD4038AD	♦RCA	182 - 73
CD4038AE	♦RCA	182 - 74
CD4038AK	♦RCA	182 - 75
CD4040AD	♦RCA	79 - 10
CD4040AE	♦RCA	79 - 11
CD4040AF	♦RCA	78 - 46
CD4040AK	♦RCA	79 - 12
CD4041AD	♦RCA	217 - 8
CD4041AE	♦RCA	217 - 9
CD4041AK	♦RCA	217 - 10
CD4043AD	♦RCA	250 - 97
CD4043AE	♦RCA	250 - 98
CD4043AK	♦RCA	250 - 99
CD4044AD	♦RCA	250-100
CD4044AE	♦RCA	250-101
CD4044AK	♦RCA	250-102
CD4045AD	♦RCA	167 - 78
CD4045AE	♦RCA	167 - 79
CD4045AK	♦RCA	167 - 80
CD4047AD	♦RCA	71 - 7
CD4047AE	♦RCA	71 - 8
CD4047AK	♦RCA	71 - 9
CD4048AD	♦RCA	203 - 86
CD4048AE	♦RCA	203 - 87
CD4048AK	♦RCA	203 - 88
CD4049AD	♦RCA	197 - 8
CD4049AE	♦RCA	197 - 9
CD4049AF	♦RCA	196 - 72
CD4049AK	♦RCA	197 - 10
CD4049BD	RCA	197 - 52
CD4049BE	RCA	197 - 53
CD4049BF	RCA	197 - 54
CD4049BK	RCA	197 - 55
CD4049BY	RCA	197 - 56
CD4050AD	♦RCA	197 - 11
CD4050AE	♦RCA	197 - 12
CD4050AF	♦RCA	196 - 73
CD4050AK	♦RCA	197 - 13
CD4050BD	RCA	197 - 57
CD4050BE	RCA	197 - 58
CD4050BF	RCA	197 - 59
CD4050BK	RCA	197 - 60
CD4050BY	RCA	197 - 61
CD4051AD	♦RCA	244 - 45
CD4051AE	♦RCA	244 - 46
CD4051AF	♦RCA	244 - 47
CD4051AK	♦RCA	244 - 48
CD4051BD	RCA	244 - 58
CD4051BE	RCA	244 - 59
CD4051BF	RCA	244 - 60
CD4051BK	RCA	244 - 61
CD4051BY	RCA	244 - 62
CD4052AD	♦RCA	244 - 48
CD4052AE	♦RCA	244 - 49
CD4052AK	♦RCA	244 - 50
CD4052BD	RCA	244 - 63
CD4052BE	RCA	244 - 64
CD4052BF	RCA	244 - 65
CD4052BK	RCA	244 - 66
CD4052BY	RCA	244 - 67
CD4053AD	♦RCA	244 - 51
CD4053AE	♦RCA	244 - 52
CD4053AK	♦RCA	244 - 53
CD4053BD	RCA	244 - 68
CD4053BE	RCA	244 - 69
CD4053BF	RCA	244 - 70
CD4053BK	RCA	244 - 71
CD4053BY	RCA	244 - 72
CD4054AD	♦RCA	201 - 33
CD4054AE	♦RCA	201 - 34
CD4054AK	♦RCA	201 - 35
CD4054BD	RCA	201 - 46
CD4054BE	RCA	201 - 47
CD4054BF	RCA	201 - 48
CD4054BK	RCA	201 - 49
CD4054BY	RCA	201 - 50
CD4055AD	♦RCA	94 - 10
CD4055AE	♦RCA	94 - 11
CD4055AK	♦RCA	94 - 12
CD4055BD	RCA	201 - 51
CD4055BE	RCA	201 - 52
CD4055BF	RCA	201 - 53
CD4055BK	RCA	201 - 54
CD4055BY	RCA	201 - 55
CD4056AD	♦RCA	94 - 13
CD4056AE	♦RCA	94 - 14
CD4056AK	♦RCA	94 - 15
CD4056BD	RCA	201 - 56
CD4056BE	RCA	201 - 57
CD4056BF	RCA	201 - 58
CD4056BK	RCA	201 - 59
CD4056BY	RCA	201 - 60
CD4057AD	♦RCA	246 - 3
CD4057AH	♦RCA	246 - 4
CD4057AK	♦RCA	246 - 5
CD4059AD	♦RCA	204 - 7
CD4060AD	♦RCA	79 - 7
CD4060AE	♦RCA	79 - 6
CD4060AF	♦RCA	79 - 8
CD4060AH	♦RCA	78 - 45
CD4060AK	♦RCA	79 - 9
CD4063BD	♦RCA	247 - 44
CD4063BE	♦RCA	247 - 45
CD4063BF	♦RCA	247 - 46
CD4063BH	♦RCA	247 - 37
CD4063BK	♦RCA	247 - 47
CD4066AD	♦RCA	205 - 40
CD4066AE	♦RCA	205 - 41
CD4066AH	♦RCA	205 - 42
CD4066AK	♦RCA	205 - 43
CD4067BD	♦RCA	234 - 84
CD4068BD	♦RCA	126 - 35
CD4068BE	♦RCA	126 - 36
CD4068BF	♦RCA	126 - 37
CD4068BH	♦RCA	125 - 79
CD4068BK	♦RCA	126 - 38
CD4069BD	♦RCA	195 - 26
CD4069BE	♦RCA	195 - 27
CD4069BF	♦RCA	195 - 28
CD4069BH	♦RCA	194-102
CD4069BK	♦RCA	195 - 29
CD4070BE	♦RCA	155 - 9
CD4071BD	♦RCA	112 - 25
CD4071BE	♦RCA	112 - 26
CD4071BF	♦RCA	112 - 27
CD4071BH	♦RCA	112 - 3
CD4071BK	♦RCA	112 - 28
CD4072BD	♦RCA	112 - 29
CD4072BE	♦RCA	112 - 30
CD4072BF	♦RCA	112 - 31
CD4072BH	♦RCA	112 - 4
CD4072BK	♦RCA	112 - 32
CD4073BD	♦RCA	98 - 32
CD4073BE	♦RCA	98 - 33
CD4073BF	♦RCA	98 - 34
CD4073BH	♦RCA	98 - 10
CD4073BK	♦RCA	98 - 35
CD4075BD	♦RCA	112 - 33
CD4075BE	♦RCA	112 - 34
CD4075BF	♦RCA	112 - 35
CD4075BH	♦RCA	112 - 5
CD4075BK	♦RCA	112 - 36
CD4077BE	♦RCA	161 - 94
CD4078BD	♦RCA	117 - 14
CD4078BE	♦RCA	117 - 15
CD4078BF	♦RCA	117 - 16
CD4078BH	♦RCA	116 - 48
CD4078BK	♦RCA	117 - 17
CD4081BD	♦RCA	98 - 36
CD4081BE	♦RCA	98 - 37
CD4081BF	♦RCA	98 - 38
CD4081BH	♦RCA	98 - 11
CD4081BK	♦RCA	98 - 39
CD4082BD	♦RCA	98 - 40
CD4082BE	♦RCA	98 - 41
CD4082BF	♦RCA	98 - 42
CD4082BH	♦RCA	98 - 12
CD4082BK	♦RCA	98 - 43
CD4085BD	♦RCA	104 - 28
CD4085BE	♦RCA	104 - 29
CD4085BF	♦RCA	104 - 30
CD4085BH	♦RCA	104 - 26
CD4085BK	♦RCA	104 - 31
CD4086BD	♦RCA	104 - 32
CD4086BE	♦RCA	104 - 33
CD4086BF	♦RCA	104 - 34
CD4086BH	♦RCA	104 - 27
CD4086BK	♦RCA	104 - 35
CD4089BE	♦RCA	234 - 44
CD4093BD	♦RCA	199 - 1
CD4093BE	♦RCA	199 - 2
CD4093BF	♦RCA	199 - 3
CD4093BH	♦RCA	198-106
CD4093BK	♦RCA	199 - 4
CD4095BD	♦RCA	48 - 70
CD4095BE	♦RCA	48 - 71
CD4095BF	♦RCA	48 - 72
CD4095BK	♦RCA	48 - 73
CD4096BD	♦RCA	48 - 59
CD4096BE	♦RCA	48 - 60
CD4096BF	♦RCA	48 - 74
CD4096BK	♦RCA	48 - 61
CD4097BD	♦RCA	234 - 85
CD4098BE	♦RCA	164 - 47
CD4099BE	♦RCA	248 - 63
CD4502AD	RCA	194 - 97
CD4502AE	RCA	194 - 98
CD4502AF	RCA	194 - 99
CD4502AK	RCA	194-100
CD4502AY	RCA	194-101
CD4502BE	♦RCA	195 - 30
CD4510BE	♦RCA	73 - 3
CD4511BE	♦RCA	93 - 94
CD4514BD	♦RCA	88 - 54
CD4514BH	♦RCA	88 - 47
CD4515BD	♦RCA	88 - 55
CD4515BH	♦RCA	88 - 48
CD4516BE	♦RCA	77 - 68
CD4518BD	♦RCA	73 - 60
CD4518BE	♦RCA	73 - 61
CD4518BF	♦RCA	73 - 62
CD4518BH	♦RCA	73 - 32
CD4518BK	♦RCA	73 - 63
CD4520BD	♦RCA	79 - 18
CD4520BE	♦RCA	79 - 19
CD4520BF	♦RCA	79 - 20
CD4520BH	♦RCA	78 - 54
CD4520BK	♦RCA	79 - 21
CD4527AD	RCA	234 - 55
CD4527AE	RCA	234 - 56
CD4527AF	RCA	234 - 57
CD4527AK	RCA	234 - 58
CD4527AY	RCA	234 - 59
CD4527BD	RCA	234 - 63
CD4527BE	♦RCA	234 - 64
CD4527BF	RCA	234 - 65
CD4527BK	RCA	234 - 66
CD4527BY	RCA	234 - 67
CD4532BD	♦RCA	251 - 68
CD4532BE	♦RCA	251 - 69
CD4532BF	♦RCA	251 - 70
CD4532BK	♦RCA	251 - 71
CD4555BD	♦RCA	88 - 56
CD4555BE	♦RCA	88 - 57
CD4555BF	♦RCA	88 - 58
CD4555BH	♦RCA	88 - 49
CD4555BK	♦RCA	88 - 59
CD4556BD	♦RCA	88 - 60
CD4556BE	♦RCA	88 - 61
CD4556BF	♦RCA	88 - 62
CD4556BH	♦RCA	88 - 63
CD4556BK	♦RCA	88 - 64
CD40101AD	RCA	248 - 53
CD40101AE	RCA	248 - 54
CD40101AF	RCA	248 - 55
CD40101AK	RCA	248 - 56
CD40101AY	RCA	248 - 57
CD40101BD	RCA	248 - 58
CD40101BE	RCA	248 - 59
CD40101BF	RCA	248 - 60
CD40101BK	RCA	248 - 61
CD40101BY	RCA	248 - 62
CD40102AD	RCA	73 - 10
CD40102AE	RCA	73 - 11
CD40102AF	RCA	73 - 12
CD40102AK	RCA	73 - 13
CD40102AY	RCA	73 - 14
CD40102BD	RCA	73 - 64
CD40102BE	RCA	73 - 65
CD40102BF	RCA	73 - 66
CD40102BK	RCA	73 - 67
CD40102BY	RCA	73 - 68
CD40103AD	RCA	78 - 38
CD40103AE	RCA	78 - 39
CD40103AF	RCA	78 - 40
CD40103AK	RCA	78 - 41
CD40103AY	RCA	78 - 42
CD40103BD	RCA	79 - 44
CD40103BE	RCA	79 - 45
CD40103BF	RCA	79 - 46
CD40103BK	RCA	79 - 47
CD40103BY	RCA	79 - 48
CD40107AD	RCA	219-110
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3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
DAC1132	♦ANA	175 - 66	DG121MDD	♦INL	205 - 47	DG151DD	♦INL	209 - 64	DG187AA	♦SIX	207 - 26	DG462DD	♦INL	210 - 54
DAC2531	♦DDC	172 - 84	DG121MFD	♦INL	205 - 48	DG151FD	♦INL	209 - 65	DG187AL	SIX	207 - 27	DG462FD	♦INL	210 - 55
DAC-E8BCD	♦DDC	175 - 67	DG123AL	SIX	206 - 38	DG152ADD	♦INL	209 - 66	DG187AP	♦INL	207 - 28	DG463ADD	♦INL	210 - 56
DAC-E8BIN	♦DDC	175 - 68	DG123AP	SIX	206 - 39	DG152AFD	♦INL	209 - 67		SIX		DG463AFD	♦INL	210 - 57
DAC-E10BCD	♦DDC	175 - 69	DG123BL	SIX	206 - 40	DG152AL	♦SIX	208 - 95	DG187BA	♦SIX	207 - 29	DG463DD	♦INL	210 - 58
DAC-E10BIN	♦DDC	175 - 70	DG123BP	SIX	206 - 41	DG152AP	SIX	208 - 96	DG187BL	SIX	207 - 30	DG463FD	♦INL	210 - 59
DAC-E12BCD	♦DDC	175 - 71	DG123MDD	♦INL	206 - 36	DG152BL	♦SIX	208 - 97	DG187BP	♦INL	207 - 31	DG464ADD	♦INL	210 - 60
DAC-E12BIN	♦DDC	175 - 72	DG123MFD	♦INL	206 - 37	DG152BP	SIX	208 - 98		SIX		DG464AFD	♦INL	210 - 61
DACCM8B	♦DTL	179 - 45	DG125AL	SIX	212 - 13	DG152DD	♦INL	209 - 68	DG188AA	♦SIX	207 - 32	DG464DD	♦INL	210 - 62
DACCM10B	♦DTL	179 - 46	DG125AP	SIX	212 - 14	DG152FD	♦INL	209 - 69	DG188AL	SIX	207 - 33	DG464FD	♦INL	210 - 63
DACCM12B	♦DTL	179 - 47	DG125BL	SIX	212 - 15	DG153ADD	♦INL	209 - 70	DG188AP	♦INL	207 - 34	DG501AP	SIX	243 - 53
DACFI8B	♦DTL	175 - 73	DG125BP	SIX	212 - 16	DG153AFD	♦INL	209 - 71		SIX		DG501BP	SIX	243 - 54
DACFI10B	♦DTL	175 - 74	DG125MDD	♦INL	205 - 49	DG153AL	♦SIX	208 - 99	DG188BA	♦SIX	207 - 35	DG501CJ	♦SIX	243 - 55
DACGI8B	♦DTL	175 - 75	DG125MFD	♦INL	205 - 50	DG153BL	♦SIX	208 -100	DG188BL	SIX	207 - 36	DG503AP	SIX	244 - 10
DACGI10B	♦DTL	175 - 76	DG126ADD	♦INL	209 - 14	DG153DD	♦INL	209 - 72	DG188BP	♦INL	207 - 37	DG503BP	SIX	244 - 11
DACHB8B	♦DTL	176 - 85	DG126AFD	♦INL	209 - 15	DG153FD	♦INL	209 - 73		SIX		DG506AR	SIX	236 - 93
DACHB10B	♦DTL	176 - 86	DG126AL	♦SIX	208 - 69	DG154ADD	♦INL	209 - 74	DG189AL	♦SIX	207 - 38	DG506BR	SIX	236 - 94
DACHB12B	♦DTL	176 - 87	DG126AP	SIX	208 - 70	DG154AFD	♦INL	209 - 75	DG189AP	SIX	207 - 39	DG506CJ	SIX	236 - 95
DACHB12D	♦DTL	176 - 88	DG126BL	SIX	208 - 71	DG154AL	♦SIX	208 -101	DG189BL	♦SIX	207 - 40	DG507AR	SIX	236 - 96
DACHI8B	♦DTL	175 - 77	DG126BP	SIX	208 - 72	DG154AP	♦SIX	208 -102	DG189BP	SIX	207 - 41	DG507BR	SIX	236 - 97
DACHI10B	♦DTL	175 - 78	DG126DD	♦INL	209 - 16	DG154BL	♦SIX	208 -103	DG190AL	SIX	207 - 42	DG507CJ	SIX	236 - 98
DACHI12B	♦DTL	175 - 79	DG126FD	♦INL	209 - 17	DG154BP	♦SIX	208 -104	DG190AP	♦INL	207 - 43	DG508AP	♦SIX	236 - 99
DACHR13B	♦DTL	173 - 86	DG129ADD	♦INL	209 - 18	DG154DD	♦INL	209 - 76		SIX		DG508BP	♦SIX	236 -100
DACHR14B	♦DTL	173 - 87	DG129AFD	♦INL	209 - 19	DG154FD	♦INL	209 - 77	DG190BL	SIX	207 - 44	DG508CJ	♦SIX	236 -101
DACHR15B	♦DTL	173 - 88	DG129AL	♦SIX	208 - 73	DG161ADD	♦INL	209 - 78	DG190BP	♦INL	207 - 45	DG509AP	♦SIX	236 -102
DACHR16B	♦DTL	173 - 89	DG129AP	♦SIX	208 - 74	DG161AFD	♦INL	209 - 79		SIX		DG509BP	♦SIX	236 -103
DACHV6B100	♦DTL	175 - 80	DG129BL	SIX	208 - 75	DG161AL	♦SIX	208 -105	DG191AL	SIX	207 - 46	DG509CJ	♦SIX	236 -104
DACHV8B100	♦DTL	175 - 81	DG129BP	SIX	208 - 76	DG161AP	♦SIX	208 -106	DG191AP	♦INL	207 - 47	DG511AP	♦SIX	236 -105
DACHV10B100	♦DTL	175 - 82	DG129DD	♦INL	209 - 20	DG161BL	♦SIX	208 -107		SIX		DG511BP	♦SIX	236 -106
DACHY12BC	♦DTL	175 - 83	DG129FD	♦INL	209 - 21	DG161BP	♦SIX	208 -108	DG191BL	SIX	207 - 48	DG515ADICE	♦SIX	179 - 21
DACHY12DC	♦DTL	175 - 84	DG133ADD	♦INL	209 - 22	DG161DD	♦INL	209 - 80	DG191BP	♦INL	207 - 49	DG515AP	♦SIX	179 - 22
DACI8B	♦DTL	175 - 85	DG133AFD	♦INL	209 - 23	DG161FD	♦INL	209 - 81		SIX		DG515BDICE	♦SIX	179 - 23
DACI8D	♦DTL	175 - 86	DG133AL	♦SIX	208 - 77	DG162ADD	♦INL	209 - 82	DG200AA	♦SIX	207 - 50	DG515BP	♦SIX	179 - 24
DACI10B	♦DTL	175 - 87	DG133AP	SIX	208 - 78	DG162AFD	♦INL	209 - 83	DG200AL	SIX	207 - 51	DG515CDICE	♦SIX	179 - 25
DACI12B	♦DTL	175 - 88	DG133BL	SIX	208 - 79	DG162AL	♦SIX	208 -109	DG200AP	♦INL	208 - 7	DG515CJ	♦SIX	179 - 26
DACI12D	♦DTL	175 - 89	DG133BP	SIX	208 - 80	DG162AP	♦SIX	208 -110		SIX		DG516ADICE	♦SIX	179 - 27
DACIC8BC	♦DTL	173 - 84	DG133DD	♦INL	209 - 24	DG162BL	♦SIX	209 - 1	DG200BA	♦SIX	207 - 52	DG516AR	♦SIX	179 - 28
DACIC8BM	♦DTL	173 - 85	DG133FD	♦INL	209 - 25	DG162BP	♦SIX	209 - 2	DG200BL	SIX	207 - 53	DG516BDICE	♦SIX	179 - 29
DACMI8B	♦DTL	176 - 62	DG134ADD	♦INL	209 - 26	DG162DD	♦INL	209 - 84	DG200BP	♦INL	208 - 8	DG516BR	♦SIX	179 - 30
DACMI8D	♦DTL	176 - 63	DG134AFD	♦INL	209 - 27	DG162FD	♦INL	209 - 85		SIX		DG516CDICE	♦SIX	179 - 31
DACMI10B	♦DTL	176 - 64	DG134AL	♦SIX	208 - 81	DG163ADD	♦INL	209 - 86	DG200CJ	SIX	208 - 9	DG516CJ	♦SIX	179 - 32
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DACMI12D	♦DTL	176 - 66	DG134BL	SIX	208 - 83	DG163AL	♦SIX	209 - 3	DG201BP	SIX	207 - 55	DGM111AP	SIX	206 - 43
DACMV8B	♦DTL	176 - 45	DG134BP	SIX	208 - 84	DG163BL	♦SIX	209 - 4	DG201CJ	♦SIX	207 - 56	DGM111BL	SIX	206 - 44
DACMV8D	♦DTL	176 - 46	DG134DD	♦INL	209 - 28	DG163DD	♦INL	209 - 88	DG426ADD	♦INL	209 - 94	DGM111BP	SIX	206 - 45
DACMV10B	♦DTL	176 - 47	DG134FD	♦INL	209 - 29	DG163FD	♦INL	209 - 89	DG426AFD	♦INL	209 - 95	DGM122AL	♦SIX	206 - 46
DACMV12B	♦DTL	176 - 48	DG139ADD	♦INL	209 - 30	DG164ADD	♦INL	209 - 90	DG426DD	♦INL	209 - 96	DGM122AP	♦SIX	206 - 47
DACMV12D	♦DTL	176 - 49	DG139AFD	♦INL	209 - 31	DG164AFD	♦INL	209 - 91	DG426FD	♦INL	209 - 97	DGM122BL	♦SIX	206 - 48
DACR8B	♦DTL	176 - 50	DG139AL	♦SIX	211 - 74	DG164AL	♦SIX	209 - 5	DG429ADD	♦INL	209 - 98	DGM122BP	♦SIX	206 - 49
DACR8D	♦DTL	176 - 51	DG139AP	SIX	211 - 75	DG164AP	♦SIX	209 - 6	DG429AFD	♦INL	209 - 99	DH0006CH	♦NSC	227 - 14
DACR10B	♦DTL	176 - 52	DG139BL	♦SIX	211 - 76	DG164BL	♦SIX	209 - 7	DG429DD	♦INL	209 -100	DH0006CN	♦NSC	227 - 15
DACR12B	♦DTL	176 - 53	DG139BP	SIX	211 - 77	DG164BP	♦SIX	209 - 8	DG429FD	♦INL	209 -101	DH0006H	♦NSC	227 - 16
DACR12D	♦DTL	176 - 54	DG139DD	♦INL	209 - 32	DG164DD	♦INL	209 - 92	DG433ADD	♦INL	209 -102	DH0008CH	♦NSC	227 - 17
DACTR8B	♦DTL	176 - 55	DG139FD	♦INL	209 - 33	DG164FD	♦INL	209 - 93	DG433AFD	♦INL	209 -103	DH0008CN	♦NSC	227 - 18
DACTR8D	♦DTL	176 - 56	DG140ADD	♦INL	209 - 34	DG170AP	SIX	209 - 9	DG433DD	♦INL	209 -104	DH0008H	♦NSC	227 - 19
DACTR10B	♦DTL	176 - 57	DG140AFD	♦INL	209 - 35	DG170BP	SIX	209 - 10	DG433FD	♦INL	209 -105	DH0011CH	♦NSC	226 - 93
DACTR12B	♦DTL	176 - 58	DG140AL	♦SIX	208 - 85	DG170CJ	♦SIX	209 - 11	DG434ADD	♦INL	209 -106	DH0011CN	♦NSC	226 - 94
DACTR12D	♦DTL	176 - 59	DG140BL	SIX	208 - 86	DG171AA	♦SIX	211 -109	DG434AFD	♦INL	209 -107	DH0011H	♦NSC	226 - 95
DACV8B	♦DTL	176 - 89	DG140DD	♦INL	209 - 36	DG171BA	♦SIX	211 -110	DG434DD	♦INL	209 -108	DH0016CN	♦NSC	226 - 87
DACV8D	♦DTL	176 - 90	DG140FD	♦INL	209 - 37	DG172AL	♦SIX	212 - 1	DG434FD	♦INL	209 -109	DH0017CN	♦NSC	226 - 88
DACV10B	♦DTL	176 - 91	DG141ADD	♦INL	209 - 38	DG172AP	SIX	212 - 2	DG439ADD	♦INL	209 -110	DH0018CN	♦NSC	226 - 89
DACV12B	♦DTL	176 - 92	DG141AFD	♦INL	209 - 39	DG172BL	♦SIX	212 - 3	DG439AFD	♦INL	210 - 1	DH0028CH	♦NSC	227 - 20
DACV12D	♦DTL	176 - 93	DG141AL	♦SIX	208 - 87	DG172BP	SIX	212 - 4	DG439DD	♦INL	210 - 2	DH0028CN	♦NSC	227 - 21
DACVR8B	♦DTL	176 - 94	DG141AP	SIX	208 - 88	DG172CJ	♦SIX	212 - 5	DG439FD	♦INL	210 - 3	DH0034CD	♦NSC	196 - 9
DACVR8D	♦DTL	176 - 95	DG141BL	SIX	208 - 89	DG173AL	♦SIX	212 - 6	DG440ADD	♦INL	210 - 4	DH0034CH	♦NSC	196 - 10
DACVR10B	♦DTL	176 - 96	DG141BP	SIX	208 - 90	DG173AP	SIX	212 - 7	DG440AFD	♦INL	210 - 5	DH0034D	♦NSC	196 - 11
DACVR12B	♦DTL	176 - 97	DG141DD	♦INL	209 - 40	DG173BL	♦SIX	212 - 8	DG440DD	♦INL	210 - 6	DH0034H	♦NSC	196 - 12
DACVR12D	♦DTL	176 - 98	DG141FD	♦INL	209 - 41	DG173BP	SIX	212 - 9	DG440FD	♦INL	210 - 7	DH0035CG	♦NSC	226 - 81
DAS8DLP12B	♦DTL	254 - 18	DG142ADD	♦INL	209 - 42	DG175AA	♦SIX	212 - 10	DG441ADD	♦INL	210 - 8	DH0035G	♦NSC	226 - 82
DAS16L8B	♦DTL	254 - 26	DG142AFD	♦INL	209 - 43	DG175BA	♦SIX	212 - 11	DG441AFD	♦INL	210 - 9	DH3467CD	♦NSC	226 - 4
DAS16L8D	♦DTL	254 - 27	DG142AL	♦SIX	211 - 78	DG180AA	♦SIX	206 -100	DG441DD	♦INL	210 - 10	DH3467CN	♦NSC	226 - 5
DAS16L10B	♦DTL	254 - 25	DG142AP	SIX	211 - 79	DG180AL	♦SIX	206 -101	DG441FD	♦INL	210 - 11	DH3468CN	♦NSC	224 - 47
DAS16L12B	♦DTL	254 - 23	DG142BL	♦SIX	211 - 80	DG180AP	SIX	206 -102	DG442ADD	♦INL	210 - 12	DH3724CD	♦NSC	224 - 48
DAS16L12D	♦DTL	254 - 24	DG142BP	SIX	211 - 81	DG180BA	♦SIX	206 -103	DG442AFD	♦INL	210 - 13	DH3724CN	♦NSC	224 - 49
DAS16LP12B	♦DTL	254 - 19	DG142DD	♦INL	209 - 44	DG180BL	♦SIX	206 -104	DG442DD	♦INL	210 - 14	DH3725CD	♦NSC	226 - 6
DAS16M8B	♦DTL	254 - 35	DG142FD	♦INL	209 - 45	DG180BP	SIX	206 -105	DG442FD	♦INL	210 - 15	DH3725CN	♦NSC	226 - 7
DAS16M8D	♦DTL	254 - 36	DG143ADD	♦INL	209 - 46	DG181AA	♦SIX	206 -106	DG443ADD	♦INL	210 - 16	DH6376CD	♦NSC	224 - 50
DAS16M10B	♦DTL	254 - 34	DG143AFD	♦INL	209 - 47	DG181AL	SIX	206 -107	DG443AFD	♦INL	210 - 17	DI-AN802RAD	FMI	176 - 99
DAS16M12B	♦DTL	254 - 28	DG143AL	♦SIX	211 - 82	DG181AP	♦INL	206 -108	DG443DD	♦INL	210 - 18	DI-AN1002RAD	FMI	176 -100
DAS16M12D	♦DTL	254 - 29	DG143AP	SIX	211 - 83		SIX		DG443FD	♦INL	210 - 19	DM54H00J	♦NSC	134 - 44
DAS400	♦HBC	254 - 20	DG143BL	♦SIX	211 - 84	DG181BA	♦SIX	206 -109	DG444ADD	♦INL	210 - 20	DM54H00N	♦NSC	134 - 45
DAS401	♦HBC	254 - 21	DG143BP	SIX	211 - 85	DG181BL	SIX	206 -110	DG444AFD	♦INL	210 - 21	DM54H01J	♦NSC	134 - 46
DAS450	♦HBC	254 - 39	DG143DD	♦INL	209 - 48	DG181BP	♦INL	207 - 1	DG444DD	♦INL	210 - 22	DM54H01N	♦NSC	134 - 47
DAS450HP	♦HBC	254 - 40	DG143FD	♦INL	209 - 49		SIX		DG444FD	♦INL	210 - 23	DM54H04J	♦NSC	187 - 56
DAS2107	SIE	212 - 43	DG144ADD	♦INL	209 - 50	DG182AA	♦SIX	207 - 2	DG445ADD	♦INL	210 - 24	DM54H04N	♦NSC	187 - 57
DAS2110	SIE	212 - 49	DG144AFD	♦INL	209 - 51	DG182AL	SIX	207 - 3	DG445AFD	♦INL	210 - 25	DM54H05J	♦NSC	187 - 58
DAS2114	SIE	212 - 44	DG144AL	♦SIX	211 - 86	DG182AP	♦INL	207 - 4	DG445DD	♦INL	210 - 26	DM54H05N	♦NSC	187 - 59
DAS2126B3	SIE	206 - 87	DG144AP	SIX	211 - 87		SIX		DG445FD	♦INL	210 - 27	DM54H08J	♦NSC	99 - 21
DAS2132B1	SIE	211 - 51	DG144BL	♦SIX	211 - 88	DG182BA	♦SIX	207 - 5	DG446ADD	♦INL	210 - 28	DM54H08N	♦NSC	99 - 22
DAS2133B1	SIE	211 - 53	DG144BP	SIX	211 - 89	DG182BL	SIX	207 - 6	DG446AFD	♦INL	210 - 29	DM54H10J	♦NSC	134 - 48
DAS2136B1	SIE	211 - 52	DG144DD	♦INL	209 - 52	DG182BP	♦INL	207 - 7	DG446DD	♦INL	210 - 30	DM54H10N	♦NSC	134 - 49
DAS2137B1	SIE	211 - 54	DG144FD	♦INL	209 - 53		SIX		DG446FD	♦INL	210 - 31	DM54H11J	♦NSC	99 - 23
DDAC10-1	♦DDC	172 - 85	DG145ADD	♦INL	209 - 54	DG183AL	♦SIX	207 - 8	DG451ADD	♦INL	210 - 32	DM54H11N	♦NSC	99 - 24
DDAC10-3	♦DDC	172 - 86	DG145AFD	♦INL	209 - 55	DG183AP	SIX	207 - 9	DG451AFD	♦INL	210 - 33	DM54H20J	♦NSC	134 - 50
DDAC11-1	♦DDC	172 - 87	DG145AL	♦SIX	211 - 90	DG183BL	♦SIX	207 - 10	DG451DD	♦INL	210 - 34	DM54H20N	♦NSC	134 - 51
DDAC11-3	♦DDC	172 - 88	DG145AP	SIX	211 - 91	DG183BP	SIX	207 - 11	DG451FD	♦INL	210 - 35	DM54H21J	♦NSC	99 - 25
DDAC12-1	♦DDC	172 - 89	DG145BL	♦SIX	211 - 92	DG184AL	SIX	207 - 12	DG452ADD	♦INL	210 - 36	DM54H21N	♦NSC	99 - 26
DDAC12-3	♦DDC	172 - 90	DG145BP	SIX	211 - 93	DG184AP	♦INL	207 - 13	DG452AFD	♦INL	210 - 37	DM54H22J	♦NSC	134 - 52
DF211CR	♦SIX	254 - 92	DG145DD	♦INL	209 - 56		SIX		DG452DD	♦INL	210 - 38	DM54H22N	♦NSC	134 - 53
DF211DICE	♦SIX	254 - 93	DG145FD	♦INL	209 - 57	DG184BL	SIX	207 - 14	DG452FD	♦INL	210 - 39	DM54H30J	♦NSC	134 - 54
DG111MDD	♦INL	206 - 28	DG146ADD	♦INL	209 - 58	DG184BP	♦INL	207 - 15	DG453ADD	♦INL	210 - 40	DM54H30N	♦NSC	134 - 55
DG111MFD	♦INL	206 - 29	DG146AFD	♦INL	209 - 59		SIX		DG453AFD	♦INL	210 - 41	DM54H40J	♦NSC	134 - 56
DG112MDD	♦INL	206 - 30	DG146AL	♦SIX	211 - 94	DG185AL	SIX	207 - 16	DG453DD	♦INL	210 - 42	DM54H40N	♦NSC	134 - 57
DG112MFD	♦INL	206 - 31	DG146AP	SIX	211 - 95	DG185AP	♦INL	207 - 17	DG453FD	♦INL	210 - 43	DM54H50J	♦NSC	105 - 54
DG116AL	SIX	253 - 22	DG146BL	♦SIX	211 - 96		SIX		DG454ADD	♦INL	210 - 44	DM54H50N	♦NSC	105 - 55
DG116AP	SIX	253 - 23	DG146BP	SIX	211 - 97	DG185BL	SIX	207 - 18	DG454AFD	♦INL	210 - 45	DM54H51J	♦NSC	105 - 56
DG116BL	SIX	253 - 24	DG146DD	♦INL	209 - 60	DG185BP	♦INL	207 - 19	DG454DD	♦INL	210 - 46	DM54H51N	♦NSC	105 - 57
DG116BP	SIX	253 - 25	DG146FD	♦INL	209 - 61		SIX		DG454FD	♦INL	210 - 47	DM54H52J	♦NSC	103 - 31
DG116MDD	♦INL	206 - 32	DG151ADD	♦INL	209 - 62	DG186AA	♦SIX	207 - 20	DG461ADD	♦INL	210 - 48	DM54H52N	♦NSC	103 - 32
DG116MFD	♦INL	206 - 33	DG151AFD	♦INL	209 - 63	DG186AL	♦SIX	207 - 21	DG461AFD	♦INL	210 - 49	DM54H53J	♦NSC	105 - 58
DG118MDD	♦INL	205 - 45	DG151AL	♦SIX	208 - 91	DG186AP	SIX	207 - 22	DG461DD	♦INL	210 - 50	DM54H53N	♦NSC	105 - 59
DG118MFD	♦INL	205 - 46	DG151AP	SIX	208 - 92	DG186BA	♦SIX	207 - 23	DG461FD	♦INL	210 - 51	DM54H54J	♦NSC	105 - 60
DG120MDD	♦INL	206 - 34	DG151BL	♦SIX	208 - 93	DG186BL	♦SIX	207 - 24	DG462ADD	♦INL	210 - 52	DM54H54N	♦NSC	105 - 61
DG120MFD	♦INL	206 - 35	DG151BP	SIX	208 - 94	DG186BP	SIX	207 - 25	DG462AFD	♦INL	210 - 53	DM54H55J	♦NSC	105 - 62

Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

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DM54H60N	♦NSC	159 - 37	DM74H20J	♦NSC	134 - 64	DM74S03N	♦NSC	134 - 73	DM5402W	♦NSC	119 - 80	DM5483J	♦NSC	179 - 88
DM54H61J	♦NSC	159 - 38	DM74H20N	♦NSC	134 - 65	DM74S04N	♦NSC	187 - 66	DM5403J	♦NSC	134 - 85	DM5483W	♦NSC	179 - 89
DM54H61N	♦NSC	159 - 39	DM74H21J	♦NSC	99 - 31	DM74S05N	♦NSC	187 - 67	DM5403N	♦NSC	134 - 86	DM5485N	♦NSC	246 - 41
DM54H62J	♦NSC	159 - 40	DM74H21N	♦NSC	99 - 32	DM74S10N	♦NSC	134 - 74	DM5404J	♦NSC	187 - 70	DM5486J	♦NSC	155 - 85
DM54H62N	♦NSC	159 - 41	DM74H22J	♦NSC	134 - 66	DM74S11N	♦NSC	99 - 33	DM5404N	♦NSC	187 - 71	DM5486N	♦NSC	155 - 86
DM54H71J	♦NSC	63 - 6	DM74H22N	♦NSC	134 - 67	DM74S15N	♦NSC	99 - 34	DM5404W	♦NSC	187 - 72	DM5486W	♦NSC	155 - 87
DM54H71N	♦NSC	63 - 7	DM74H30J	♦NSC	134 - 68	DM74S20N	♦NSC	134 - 75	DM5405J	♦NSC	187 - 73	DM5490J	♦NSC	77 - 22
DM54H72J	♦NSC	53 - 51	DM74H30N	♦NSC	134 - 69	DM74S22N	♦NSC	134 - 76	DM5405N	♦NSC	187 - 74	DM5490N	♦NSC	77 - 23
DM54H72N	♦NSC	53 - 52	DM74H40J	♦NSC	134 - 70	DM74S40N	♦NSC	134 - 77	DM5405W	♦NSC	187 - 75	DM5490W	♦NSC	77 - 24
DM54H73J	♦NSC	53 - 53	DM74H40N	♦NSC	134 - 71	DM74S64N	♦NSC	105 - 74	DM5406J	♦NSC	187 - 76	DM5492J	♦NSC	86 - 51
DM54H73N	♦NSC	53 - 54	DM74H50J	♦NSC	105 - 64	DM74S65N	♦NSC	105 - 75	DM5406N	♦NSC	187 - 77	DM5492N	♦NSC	86 - 52
DM54H74J	♦NSC	68 - 29	DM74H50N	♦NSC	105 - 65	DM74S74N	♦NSC	69 - 67	DM5406W	♦NSC	187 - 78	DM5492W	♦NSC	86 - 53
DM54H74N	♦NSC	68 - 30	DM74H51J	♦NSC	105 - 66	DM74S86N	♦NSC	155 - 84	DM5407J	♦NSC	187 - 79	DM5493J	♦NSC	83 - 42
DM54H76J	♦NSC	53 - 55	DM74H51N	♦NSC	105 - 67	DM74S112N	♦NSC	58 - 94	DM5407N	♦NSC	187 - 80	DM5493N	♦NSC	83 - 43
DM54H76N	♦NSC	53 - 56	DM74H52J	♦NSC	103 - 33	DM74S113N	♦NSC	58 - 95	DM5407W	♦NSC	187 - 81	DM5493W	♦NSC	83 - 44
DM54H78J	♦NSC	53 - 57	DM74H52N	♦NSC	103 - 34	DM74S114N	♦NSC	58 - 96	DM5408J	♦NSC	99 - 35	DM7090J	♦NSC	187 - 87
DM54H78N	♦NSC	53 - 58	DM74H53J	♦NSC	105 - 68	DM74S135N	♦NSC	157 - 44	DM5408N	♦NSC	99 - 36	DM7090N	♦NSC	187 - 88
DM54L00F	♦NSC	133 - 2	DM74H53N	♦NSC	105 - 69	DM74S140N	♦NSC	134 - 78	DM5408W	♦NSC	99 - 37	DM7090W	♦NSC	187 - 89
DM54L00J	♦NSC	133 - 3	DM74H54J	♦NSC	105 - 70	DM74S151N	♦NSC	236-107	DM5409J	♦NSC	99 - 38	DM7091J	♦NSC	134-105
DM54L00N	♦NSC	133 - 4	DM74H54N	♦NSC	105 - 71	DM74S153N	♦NSC	236-108	DM5409N	♦NSC	99 - 39	DM7091N	♦NSC	134-106
DM54L01F	♦NSC	133 - 5	DM74H55J	♦NSC	105 - 72	DM74S157N	♦NSC	236-109	DM5409W	♦NSC	99 - 40	DM7091W	♦NSC	134-107
DM54L02F	♦NSC	119 - 52	DM74H55N	♦NSC	105 - 73	DM74S158N	♦NSC	236-110	DM5410J	♦NSC	134 - 87	DM7092J	♦NSC	134-108
DM54L02J	♦NSC	119 - 53	DM74H60J	♦NSC	159 - 42	DM74S251N	♦NSC	237 - 1	DM5410N	♦NSC	134 - 88	DM7092N	♦NSC	134-109
DM54L02N	♦NSC	119 - 54	DM74H60N	♦NSC	159 - 43	DM74S253N	♦NSC	237 - 2	DM5410W	♦NSC	134 - 89	DM7092W	♦NSC	134-110
DM54L03J	♦NSC	133 - 6	DM74H61J	♦NSC	159 - 44	DM74S257N	♦NSC	237 - 3	DM5411J	♦NSC	99 - 41	DM7093J	♦NSC	215 - 72
DM54L03N	♦NSC	133 - 7	DM74H61N	♦NSC	159 - 45	DM74S258N	♦NSC	237 - 4	DM5411N	♦NSC	99 - 42	DM7093W	♦NSC	215 - 73
DM54L04F	♦NSC	187 - 22	DM74H62J	♦NSC	159 - 46	DM75L11D	♦NSC	68 - 16	DM5413J	♦NSC	197 - 85	DM7094J	♦NSC	215 - 74
DM54L04J	♦NSC	187 - 23	DM74H62N	♦NSC	159 - 47	DM75L11F	♦NSC	68 - 17	DM5413N	♦NSC	197 - 86	DM7094W	♦NSC	215 - 75
DM54L04N	♦NSC	187 - 24	DM74H71J	♦NSC	63 - 8	DM75L11N	♦NSC	68 - 18	DM5413W	♦NSC	197 - 87	DM7095J	♦NSC	215 - 76
DM54L10F	♦NSC	133 - 8	DM74H71N	♦NSC	63 - 9	DM75L12F	♦NSC	62 - 69	DM5414J	♦NSC	197 - 88	DM7095W	♦NSC	215 - 77
DM54L10J	♦NSC	133 - 9	DM74H72J	♦NSC	53 - 59	DM75L12J	♦NSC	62 - 70	DM5414N	♦NSC	197 - 89	DM7096J	♦NSC	187 - 90
DM54L10N	♦NSC	133 - 10	DM74H72N	♦NSC	53 - 60	DM75L12N	♦NSC	62 - 71	DM5414W	♦NSC	197 - 90	DM7096W	♦NSC	187 - 91
DM54L20F	♦NSC	133 - 11	DM74H73J	♦NSC	53 - 61	DM75L52F	♦NSC	77 - 53	DM5416J	♦NSC	187 - 82	DM7097J	♦NSC	215 - 78
DM54L20J	♦NSC	133 - 12	DM74H73N	♦NSC	53 - 62	DM75L52J	♦NSC	77 - 54	DM5416N	♦NSC	187 - 83	DM7097W	♦NSC	215 - 79
DM54L20N	♦NSC	133 - 13	DM74H74J	♦NSC	68 - 31	DM75L52N	♦NSC	77 - 55	DM5416W	♦NSC	187 - 84	DM7098J	♦NSC	187 - 92
DM54L30F	♦NSC	133 - 14	DM74H74N	♦NSC	68 - 32	DM75L54F	♦NSC	83 - 74	DM5417J	♦NSC	187 - 85	DM7098W	♦NSC	187 - 93
DM54L30J	♦NSC	133 - 15	DM74H76J	♦NSC	53 - 63	DM75L54J	♦NSC	83 - 75	DM5417N	♦NSC	187 - 86	DM7121J	♦NSC	237 - 5
DM54L30N	♦NSC	133 - 16	DM74H76N	♦NSC	53 - 64	DM75L54N	♦NSC	83 - 76	DM5420J	♦NSC	134 - 90	DM7121W	♦NSC	237 - 6
DM54L42AF	♦NSC	90 - 9	DM74H78J	♦NSC	53 - 65	DM76L24J	♦NSC	246 - 37	DM5420N	♦NSC	134 - 91	DM7123J	♦NSC	237 - 7
DM54L42AJ	♦NSC	90 - 10	DM74H78N	♦NSC	53 - 66	DM76L24N	♦NSC	246 - 38	DM5420W	♦NSC	134 - 92	DM7123W	♦NSC	237 - 8
DM54L42AN	♦NSC	90 - 11	DM74L00F	♦NSC	133 - 17	DM76L75F	♦NSC	74 - 30	DM5423J	♦NSC	119 - 81	DM7130D	♦NSC	246 - 52
DM54L51F	♦NSC	105 - 14	DM74L00J	♦NSC	133 - 18	DM76L75J	♦NSC	74 - 31	DM5423N	♦NSC	119 - 82	DM7130F	♦NSC	246 - 53
DM54L51J	♦NSC	105 - 15	DM74L00N	♦NSC	133 - 19	DM76L75N	♦NSC	74 - 32	DM5423W	♦NSC	119 - 83	DM7131J	♦NSC	246 - 54
DM54L51N	♦NSC	105 - 16	DM74L01F	♦NSC	133 - 20	DM76L76F	♦NSC	79 - 95	DM5425J	♦NSC	119 - 84	DM7131N	♦NSC	246 - 55
DM54L54F	♦NSC	105 - 17	DM74L02F	♦NSC	119 - 55	DM76L76J	♦NSC	79 - 96	DM5425N	♦NSC	119 - 85	DM7131W	♦NSC	246 - 56
DM54L54J	♦NSC	105 - 18	DM74L02J	♦NSC	119 - 56	DM76L76N	♦NSC	79 - 97	DM5425W	♦NSC	119 - 86	DM7136J	♦NSC	246 - 57
DM54L54N	♦NSC	105 - 19	DM74L02N	♦NSC	119 - 57	DM76L93F	♦NSC	79-107	DM5426J	♦NSC	183 - 75	DM7136W	♦NSC	246 - 58
DM54L55F	♦NSC	105 - 20	DM74L03J	♦NSC	133 - 21	DM76L93J	♦NSC	79-108	DM5426N	♦NSC	183 - 76	DM7160D	♦NSC	246 - 59
DM54L55J	♦NSC	105 - 21	DM74L03N	♦NSC	133 - 22	DM76L93N	♦NSC	79-109	DM5427J	♦NSC	119 - 87	DM7160W	♦NSC	246 - 60
DM54L55N	♦NSC	105 - 22	DM74L04F	♦NSC	187 - 25	DM78L12F	♦NSC	187 - 28	DM5427N	♦NSC	119 - 88	DM7200J	♦NSC	246 - 61
DM54L71F	♦NSC	65 - 17	DM74L04J	♦NSC	187 - 26	DM78L12J	♦NSC	187 - 29	DM5427W	♦NSC	119 - 89	DM7200N	♦NSC	246 - 62
DM54L71J	♦NSC	65 - 18	DM74L04N	♦NSC	187 - 27	DM78L12N	♦NSC	187 - 30	DM5430J	♦NSC	134 - 93	DM7200W	♦NSC	246 - 63
DM54L71N	♦NSC	65 - 19	DM74L10F	♦NSC	133 - 23	DM8OL95N	♦NSC	215 - 70	DM5430N	♦NSC	134 - 94	DM7210J	♦NSC	253 - 36
DM54L72F	♦NSC	53 - 17	DM74L10J	♦NSC	133 - 24	DM8OL96N	♦NSC	187 - 68	DM5430W	♦NSC	134 - 95	DM7210W	♦NSC	253 - 37
DM54L72J	♦NSC	53 - 18	DM74L10N	♦NSC	133 - 25	DM8OL97N	♦NSC	215 - 71	DM5432J	♦NSC	112 - 94	DM7211J	♦NSC	253 - 38
DM54L72N	♦NSC	53 - 19	DM74L20F	♦NSC	133 - 26	DM8OL98N	♦NSC	187 - 69	DM5432N	♦NSC	112 - 95	DM7211W	♦NSC	253 - 39
DM54L73F	♦NSC	53 - 20	DM74L20J	♦NSC	133 - 27	DM81L22F	♦NSC	236 - 16	DM5432W	♦NSC	112 - 96	DM7214J	♦NSC	237 - 9
DM54L73J	♦NSC	53 - 21	DM74L20N	♦NSC	133 - 28	DM81L22J	♦NSC	236 - 17	DM5437J	♦NSC	134 - 96	DM7214W	♦NSC	237 - 10
DM54L73N	♦NSC	53 - 22	DM74L30F	♦NSC	133 - 29	DM81L22N	♦NSC	236 - 18	DM5437N	♦NSC	134 - 97	DM7219D	♦NSC	237 - 11
DM54L74F	♦NSC	68 - 22	DM74L30J	♦NSC	133 - 30	DM81L23F	♦NSC	236 - 19	DM5437W	♦NSC	134 - 98	DM7219F	♦NSC	237 - 12
DM54L74J	♦NSC	68 - 23	DM74L30N	♦NSC	133 - 31	DM81L23J	♦NSC	236 - 20	DM5438J	♦NSC	134 - 99	DM7220J	♦NSC	247 - 74
DM54L74N	♦NSC	53 - 23	DM74L42AF	♦NSC	90 - 12	DM81L23N	♦NSC	236 - 21	DM5438N	♦NSC	134-100	DM7220N	♦NSC	247 - 75
DM54L78F	♦NSC	53 - 24	DM74L42AJ	♦NSC	90 - 13	DM85L11D	♦NSC	68 - 19	DM5438W	♦NSC	134-101	DM7220W	♦NSC	247 - 76
DM54L78J	♦NSC	53 - 25	DM74L42AN	♦NSC	90 - 14	DM85L11F	♦NSC	68 - 20	DM5440J	♦NSC	134-102	DM7223J	♦NSC	237 - 13
DM54L78N	♦NSC	53 - 26	DM74L51F	♦NSC	105 - 23	DM85L11N	♦NSC	68 - 21	DM5440N	♦NSC	134-103	DM7230J	♦NSC	237 - 14
DM54L85F	♦NSC	246 - 31	DM74L51J	♦NSC	105 - 24	DM85L12F	♦NSC	62 - 72	DM5440W	♦NSC	134-104	DM7230W	♦NSC	237 - 15
DM54L85J	♦NSC	246 - 32	DM74L51N	♦NSC	105 - 25	DM85L12J	♦NSC	62 - 73	DM5441AJ	♦NSC	91 - 15	DM7280J	♦NSC	82 - 51
DM54L85N	♦NSC	246 - 33	DM74L54F	♦NSC	105 - 26	DM85L12N	♦NSC	62 - 74	DM5441AW	♦NSC	91 - 16	DM7280W	♦NSC	82 - 52
DM54L86F	♦NSC	155 - 68	DM74L54J	♦NSC	105 - 27	DM85L52F	♦NSC	77 - 56	DM5442J	♦NSC	91 - 17	DM7281J	♦NSC	76 - 84
DM54L86J	♦NSC	155 - 69	DM74L54N	♦NSC	105 - 28	DM85L52J	♦NSC	77 - 57	DM5442W	♦NSC	91 - 18	DM7281W	♦NSC	76 - 85
DM54L86N	♦NSC	155 - 70	DM74L55F	♦NSC	105 - 29	DM85L52N	♦NSC	77 - 58	DM5445J	♦NSC	91 - 19	DM7288J	♦NSC	204 - 81
DM54L90F	♦NSC	74 - 14	DM74L55J	♦NSC	105 - 30	DM85L54F	♦NSC	83 - 77	DM5445W	♦NSC	91 - 20	DM7288W	♦NSC	204 - 82
DM54L90J	♦NSC	74 - 15	DM74L55N	♦NSC	105 - 31	DM85L54J	♦NSC	83 - 78	DM5446AJ	♦NSC	94 - 51	DM7400J	♦NSC	135 - 1
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DM54L93J	♦NSC	79-102	DM74L71N	♦NSC	65 - 22	DM86L24N	♦NSC	246 - 40	DM5447AJ	♦NSC	94 - 54	DM7401N	♦NSC	135 - 4
DM54L93N	♦NSC	79-103	DM74L72F	♦NSC	53 - 27	DM86L75F	♦NSC	74 - 33	DM5447AN	♦NSC	94 - 55	DM7402J	♦NSC	119 - 90
DM54L98F	♦NSC	236 - 45	DM74L72J	♦NSC	53 - 28	DM86L75J	♦NSC	74 - 34	DM5447AW	♦NSC	94 - 56	DM7402N	♦NSC	119 - 91
DM54L98J	♦NSC	236 - 46	DM74L72N	♦NSC	53 - 29	DM86L75N	♦NSC	74 - 35	DM5448J	♦NSC	94 - 57	DM7403J	♦NSC	135 - 5
DM54L98N	♦NSC	236 - 47	DM74L73F	♦NSC	53 - 30	DM86L76F	♦NSC	79 - 98	DM5448N	♦NSC	94 - 58	DM7403N	♦NSC	135 - 6
DM54L123N	♦NSC	163-101	DM74L73J	♦NSC	53 - 31	DM86L76J	♦NSC	79 - 99	DM5448W	♦NSC	94 - 59	DM7404J	♦NSC	187 - 94
DM54L154AD	♦NSC	89 - 10	DM74L73N	♦NSC	53 - 32	DM86L76N	♦NSC	79-100	DM5450J	♦NSC	105 - 76	DM7404N	♦NSC	187 - 95
DM54L154AF	♦NSC	89 - 11	DM74L74F	♦NSC	68 - 24	DM86L93F	♦NSC	79-110	DM5450N	♦NSC	105 - 77	DM7405J	♦NSC	187 - 96
DM54L154AN	♦NSC	89 - 12	DM74L74J	♦NSC	68 - 25	DM86L93J	♦NSC	80 - 1	DM5450W	♦NSC	105 - 78	DM7405N	♦NSC	187 - 97
DM54L192F	♦NSC	74 - 20	DM74L74N	♦NSC	68 - 26	DM86L93N	♦NSC	80 - 2	DM5451J	♦NSC	105 - 79	DM7406J	♦NSC	187 - 98
DM54L192J	♦NSC	74 - 21	DM74L78F	♦NSC	53 - 33	DM88L12F	♦NSC	185-108	DM5451N	♦NSC	105 - 80	DM7406N	♦NSC	187 - 99
DM54L192N	♦NSC	74 - 22	DM74L78J	♦NSC	53 - 34	DM88L12J	♦NSC	185-109	DM5451W	♦NSC	105 - 81	DM7407J	♦NSC	187-100
DM54L193F	♦NSC	79 - 85	DM74L78N	♦NSC	53 - 35	DM88L12N	♦NSC	185-110	DM5453J	♦NSC	105 - 82	DM7407N	♦NSC	187-101
DM54L193J	♦NSC	79 - 86	DM74L85F	♦NSC	246 - 34	DM930N	♦NSC	129 - 34	DM5453N	♦NSC	105 - 83	DM7408J	♦NSC	99 - 43
DM54L193N	♦NSC	79 - 87	DM74L85J	♦NSC	246 - 35	DM932N	♦NSC	129 - 35	DM5453W	♦NSC	105 - 84	DM7408N	♦NSC	99 - 44
DM7OL95N	♦NSC	215 - 68	DM74L85N	♦NSC	246 - 36	DM933N	♦NSC	158 - 37	DM5454J	♦NSC	105 - 85	DM7409J	♦NSC	99 - 45
DM7OL96N	♦NSC	187 - 60	DM74L86F	♦NSC	155 - 71	DM935N	♦NSC	193 - 15	DM5454N	♦NSC	105 - 86	DM7409N	♦NSC	99 - 46
DM7OL97N	♦NSC	215 - 69	DM74L86J	♦NSC	155 - 72	DM936N	♦NSC	193 - 16	DM5454W	♦NSC	105 - 87	DM7410J	♦NSC	135 - 7
DM7OL98N	♦NSC	187 - 61	DM74L86N	♦NSC	155 - 73	DM937N	♦NSC	193 - 17	DM5460J	♦NSC	159 - 48	DM7410N	♦NSC	135 - 8
DM71L22F	♦NSC	236 - 10	DM74L90F	♦NSC	74 - 17	DM944N	♦NSC	129 - 36	DM5460N	♦NSC	159 - 49	DM7411J	♦NSC	99 - 47
DM71L22J	♦NSC	236 - 11	DM74L90J	♦NSC	74 - 18	DM945N	♦NSC	64 - 65	DM5460W	♦NSC	159 - 50	DM7411N	♦NSC	99 - 48
DM71L22N	♦NSC	236 - 12	DM74L90N	♦NSC	74 - 19	DM946N	♦NSC	129 - 37	DM5470J	♦NSC	63 - 23	DM7413J	♦NSC	197 - 91
DM71L23F	♦NSC	236 - 13	DM74L93F	♦NSC	79-104	DM948N	♦NSC	64 - 66	DM5470N	♦NSC	63 - 24	DM7413N	♦NSC	197 - 92
DM71L23J	♦NSC	236 - 14	DM74L93J	♦NSC	79-105	DM949N	♦NSC	129 - 38	DM5470W	♦NSC	63 - 25	DM7414J	♦NSC	197 - 93
DM71L23N	♦NSC	236 - 15	DM74L93N	♦NSC	79-106	DM957N	♦NSC	129 - 39	DM5472J	♦NSC	63 - 40	DM7414N	♦NSC	197 - 94
DM74H00J	♦NSC	134 - 58	DM74L98F	♦NSC	236 - 48	DM958N	♦NSC	129 - 40	DM5472N	♦NSC	63 - 41	DM7414W	♦NSC	197 - 95
DM74H00N	♦NSC	134 - 59	DM74L98J	♦NSC	236 - 49	DM961N	♦NSC	129 - 41	DM5472W	♦NSC	63 - 42	DM7416J	♦NSC	187-102
DM74H01J	♦NSC	134 - 60	DM74L98N	♦NSC	236 - 50	DM962N	♦NSC	129 - 42	DM5473J	♦NSC	56 - 50	DM7416N	♦NSC	187-103
DM74H01N	♦NSC	134 - 61	DM74L123N	♦NSC	163-102	DM963N	♦NSC	129 - 43	DM5473N	♦NSC	56 - 51	DM7417J	♦NSC	187-104
DM74H04J	♦NSC	187 - 62	DM74L154AD	♦NSC	89 - 13	DM1800N	♦NSC	129 - 44	DM5473W	♦NSC	56 - 52	DM7417N	♦NSC	188 - 1
DM74H04N	♦NSC	187 - 63	DM74L154AF	♦NSC	89 - 14	DM1801N	♦NSC	129 - 45	DM5474J	♦NSC	69 - 23	DM7420J	♦NSC	135 - 9
DM74H05J	♦NSC	187 - 64	DM74L154AN	♦NSC	89 - 15	DM5400J	♦NSC	134 - 79	DM5474N	♦NSC	69 - 24	DM7420N	♦NSC	135 - 10
DM74H05N	♦NSC	187 - 65	DM74L192F	♦NSC	74 - 23	DM5400N	♦NSC	134 - 80	DM5474W	♦NSC	69 - 25	DM7423J	♦NSC	119 - 92
DM74H08J	♦NSC	99 - 27	DM74L192J	♦NSC	74 - 24	DM5400W	♦NSC	134 - 81	DM5475J	♦NSC	249 - 23	DM7423N	♦NSC	119 - 93
DM74H08N	♦NSC	99 - 28	DM74L192N	♦NSC	74 - 25	DM5401J	♦NSC	134 - 82	DM5475N	♦NSC	249 - 24	DM7423W	♦NSC	119 - 94
DM74H10J	♦NSC	134 - 62	DM74L193F	♦NSC	79 - 88	DM5401N	♦NSC	134 - 83	DM5475W	♦NSC	249 - 25	DM7425J	♦NSC	119 - 95
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3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line
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DM7426J	♦NSC	183 - 77
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DM7430J	♦NSC	135 - 11
DM7430N	♦NSC	135 - 12
DM7432J	♦NSC	112 - 97
DM7432N	♦NSC	112 - 98
DM7437J	♦NSC	135 - 13
DM7437N	♦NSC	135 - 14
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DM7438J	♦NSC	135 - 16
DM7438N	♦NSC	135 - 17
DM7438W	♦NSC	135 - 18
DM7440J	♦NSC	135 - 19
DM7440N	♦NSC	135 - 20
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DM7441AN	♦NSC	91 - 22
DM7442J	♦NSC	91 - 23
DM7442N	♦NSC	91 - 24
DM7445J	♦NSC	91 - 25
DM7445N	♦NSC	91 - 26
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DM7446AJ	♦NSC	94 - 60
DM7446AN	♦NSC	94 - 61
DM7446AW	♦NSC	94 - 62
DM7447AJ	♦NSC	94 - 63
DM7447AN	♦NSC	94 - 64
DM7447AW	♦NSC	94 - 65
DM7448J	♦NSC	94 - 66
DM7448N	♦NSC	94 - 67
DM7448W	♦NSC	94 - 68
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DM7450N	♦NSC	105 - 89
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DM7451N	♦NSC	105 - 91
DM7453J	♦NSC	105 - 92
DM7453N	♦NSC	105 - 93
DM7454J	♦NSC	105 - 94
DM7454N	♦NSC	105 - 95
DM7460J	♦NSC	159 - 51
DM7460N	♦NSC	159 - 52
DM7470J	♦NSC	63 - 26
DM7470N	♦NSC	63 - 27
DM7472J	♦NSC	63 - 43
DM7472N	♦NSC	63 - 44
DM7473J	♦NSC	56 - 56
DM7473N	♦NSC	56 - 57
DM7474J	♦NSC	69 - 26
DM7474N	♦NSC	69 - 27
DM7475J	♦NSC	249 - 26
DM7475N	♦NSC	249 - 27
DM7476J	♦NSC	56 - 58
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DM7485N	♦NSC	246 - 42
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DM7486N	♦NSC	155 - 89
DM7490J	♦NSC	77 - 25
DM7490N	♦NSC	77 - 26
DM7492J	♦NSC	86 - 54
DM7492N	♦NSC	86 - 55
DM7493J	♦NSC	86 - 31
DM7493N	♦NSC	86 - 32
DM7511J	♦NSC	69 - 56
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DM7511W	♦NSC	69 - 58
DM7512J	♦NSC	62 - 75
DM7512N	♦NSC	62 - 76
DM7512W	♦NSC	62 - 77
DM7520J	♦NSC	204 - 63
DM7520W	♦NSC	204 - 64
DM7552J	♦NSC	77 - 48
DM7552W	♦NSC	77 - 49
DM7553J	♦NSC	249 - 28
DM7553W	♦NSC	249 - 29
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DM7555N	♦NSC	75 -107
DM7556N	♦NSC	81 - 96
DM7560J	♦NSC	75 - 45
DM7560W	♦NSC	75 - 46
DM7563J	♦NSC	81 - 32
DM7563W	♦NSC	81 - 33
DM7800H	♦NSC	196 - 26
DM7802J	♦NSC	196 - 13
DM7806J	♦NSC	196 - 14
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DM7819W	♦NSC	99 - 51
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DM7820J	♦AMV	223 - 61
	♦NSC	
DM7820W	♦AMV	223 - 62
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DM7831W	AMV	217 - 94
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DM7832J	AMV	217 - 95
	♦NSC	
DM7832W	AMV	217 - 96
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DM7835	♦NSC	222 -103
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DM7858W	♦NSC	200 - 27
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DM8130N	♦NSC	246 - 66
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DM8160J	♦NSC	246 - 70
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DM8200N	♦NSC	246 - 74
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DM8211J	♦NSC	253 - 42
DM8211N	♦NSC	253 - 43
DM8214J	♦NSC	253 - 44
DM8214N	♦NSC	237 - 22
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DM8220J	♦NSC	247 - 77
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DM8223N	♦NSC	237 - 28
DM8230J	♦NSC	237 - 29
DM8230N	♦NSC	237 - 30
DM8280J	♦NSC	82 - 53
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DM8288J	♦NSC	204 - 83
DM8288N	♦NSC	204 - 84
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DM8301N	♦NSC	91 - 29
DM8301W	♦NSC	91 - 30
DM8309J	♦NSC	237 - 31
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DM8309W	♦NSC	237 - 33
DM8312J	♦NSC	237 - 34
DM8312N	♦NSC	237 - 35
DM8312W	♦NSC	237 - 36
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DM8322N	♦NSC	237 - 38
DM8322W	♦NSC	237 - 39
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DM8334N	♦NSC	249 - 31
DM8334W	♦NSC	249 - 32
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DM8553J	♦NSC	249 - 33
DM8553N	♦NSC	249 - 34
DM8553W	♦NSC	249 - 35
DM8554J	♦NSC	83 - 65
DM8554N	♦NSC	83 - 66
DM8554W	♦NSC	83 - 67
DM8555N	♦NSC	75 -108
DM8556N	♦NSC	81 - 97
DM8560J	♦NSC	75 - 47
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DM8563J	♦NSC	81 - 34
DM8563N	♦NSC	81 - 35
DM8601J	♦NSC	165 - 46
DM8601N	♦NSC	165 - 47
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DM8602N	♦NSC	165 - 50
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DM8806J	♦NSC	196 - 18
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DM8810J	♦NSC	183 - 84
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		183 - 85
DM8811J	♦NSC	183 - 86
DM8811N	♦NSC	150 - 88
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DM8819W	♦NSC	99 - 54
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DM8820J	AMV	223 - 65
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DM8820N	AMV	223 - 66
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DM8822N	♦NSC	223 - 68
DM8830J	AMV	217 - 99
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DM8832J	AMV	217 -105
	♦NSC	
DM8832N	AMV	217 -106
	♦NSC	
DM8832W	♦NSC	217 -107
DM8833	♦NSC	222 -105
DM8834	♦NSC	222 -106
DM8835	♦NSC	222 -107
DM8836J	♦NSC	222 - 84
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DM8837N	♦NSC	222 - 88
DM8837W	♦NSC	222 - 89
DM8838J#1	♦NSC	217 -108
DM8838J#2	♦NSC	221 - 32
DM8838N#1	♦NSC	217 -109
DM8838N#2	♦NSC	222 - 90
DM8838W#1	♦NSC	217 -110
DM8838W#2	♦NSC	221 - 33
DM8839	♦NSC	222 -108
DM8853J	♦NSC	165 - 77
DM8853N	♦NSC	165 - 78
DM8853W	♦NSC	165 - 79
DM8856J	♦NSC	200 - 29
DM8856N	♦NSC	200 - 30
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DM8857J	♦NSC	200 - 32
DM8858J	♦NSC	200 - 33
DM8858N	♦NSC	200 - 34
DM8858W	♦NSC	200 - 35
DM8859J	♦NSC	200 - 36
DM8859N	♦NSC	200 - 37
DM8861N	♦NSC	201 - 42
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DM8865N	♦NSC	200 -102
DM8866N	♦NSC	200 -103
DM8869J	♦NSC	200 - 38
DM8869N	♦NSC	200 - 39
DM8875AJ	♦NSC	234 - 2
DM8875AN	♦NSC	234 - 3
DM8875BJ	♦NSC	234 - 4
DM8875BN	♦NSC	234 - 5
DM8880J	♦NSC	200 - 40
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DM8880N	♦NSC	200 - 42
DM8884AN	♦NSC	200 - 78
DM8885J	♦NSC	200 - 43
DM8885N	♦NSC	183 - 89
DM8887J	♦NSC	201 - 25
DM8887N	♦NSC	201 - 26
DM8889J	♦NSC	201 - 68
DM8889N	♦NSC	201 - 69
DM8897J	♦NSC	199 - 59
DM8897N	♦NSC	199 - 60
DM9002CJ	♦NSC	131 - 89
DM9002CN	♦NSC	131 - 90
DM9003CJ	♦NSC	131 - 91
DM9003CN	♦NSC	131 - 92
DM9004CJ	♦NSC	131 - 93
DM9004CN	♦NSC	131 - 94
DM9005CJ	♦NSC	104 - 84
DM9005CN	♦NSC	104 - 85
DM9006CJ	♦NSC	159 - 1
DM9006CN	♦NSC	159 - 2
DM9008CJ	♦NSC	104 - 86
DM9008CN	♦NSC	104 - 87
DM9009CJ	♦NSC	131 - 95
DM9009CN	♦NSC	131 - 96
DM9012CJ	♦NSC	131 - 97
DM9012CN	♦NSC	131 - 98
DM9016CJ	♦NSC	186 - 3
DM9016CN	♦NSC	186 - 4
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DM9094N	♦NSC	50 - 34
DM9097N	♦NSC	50 - 35
DM9099N	♦NSC	50 - 36
DM9301J	♦NSC	91 - 31
DM9301N	♦NSC	91 - 32
DM9301W	♦NSC	90 - 21
DM9309J	♦NSC	237 - 40
DM9309N	♦NSC	237 - 41
DM9309W	♦NSC	237 - 42
DM9312J	♦NSC	237 - 43
DM9312N	♦NSC	237 - 44
DM9312W	♦NSC	237 - 45
DM9322J	♦NSC	237 - 46
DM9322N	♦NSC	237 - 47
DM9322W	♦NSC	237 - 48
DM9334J	♦NSC	249 - 36
DM9334W	♦NSC	249 - 37
DM9601J	♦NSC	165 - 20
DM9601N	♦NSC	165 - 21
DM9601W	♦NSC	165 - 22
DM9602J	♦NSC	165 - 23
DM9602N	♦NSC	165 - 24
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DM10105J	♦NSC	115 - 32
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DM10107J	♦NSC	157 - 61
DM10109J	♦NSC	115 - 33
DM10110J	♦NSC	112 - 71
DM10111J	♦NSC	123 - 54
DM10112J	♦NSC	115 - 34
DM10115J	♦NSC	220 - 70
DM10116J	♦NSC	220 - 71
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DM10118J	♦NSC	103 - 21
DM10119J	♦NSC	103 - 22
DM10121J	♦NSC	104 - 21
DM10124J	♦NSC	196 - 21
DM54107J	♦NSC	53 - 97
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DM54125J	♦NSC	215 - 90
DM54125W	♦NSC	215 - 91
DM54126J	♦NSC	215 - 92
DM54126W	♦NSC	215 - 93
DM54132J	♦NSC	197 - 96
DM54132N	♦NSC	197 - 97
DM54132W	♦NSC	197 - 98
DM54141J	♦NSC	91 - 33
DM54141W	♦NSC	91 - 34
DM54145J	♦NSC	91 - 35
DM54145W	♦NSC	91 - 36
DM54150F	♦NSC	237 - 49
DM54150J	♦NSC	237 - 50
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DM54151W	♦NSC	237 - 52
DM54153J	♦NSC	237 - 53
DM54153W	♦NSC	237 - 54
DM54154F	♦NSC	93 - 47
DM54154J	♦NSC	93 - 48
DM54155J	♦NSC	237 - 55
DM54155W	♦NSC	237 - 56
DM54156J	♦NSC	237 - 57
DM54156W	♦NSC	237 - 58
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DM54177W	♦NSC	76 - 87
DM54180J	♦NSC	247 - 79
DM54180W	♦NSC	247 - 80
DM54181J	♦NSC	245 - 25
DM54182J	♦NSC	252 - 57
DM54190J	♦NSC	74 - 84
DM54190W	♦NSC	74 - 85
DM54191J	♦NSC	80 - 46
DM54191W	♦NSC	80 - 47
DM54192J	♦NSC	75 - 49
DM54192W	♦NSC	75 - 50
DM54193J	♦NSC	81 - 36
DM54193W	♦NSC	81 - 37
DM54196J	♦NSC	75 -109
DM54196N	♦NSC	75 -110
DM54197J	♦NSC	76 - 1
DM54197N	♦NSC	76 - 2
DM74107J	♦NSC	56 - 61
DM74107N	♦NSC	56 - 62
DM74121J	♦NSC	167 - 11
DM74121N	♦NSC	167 - 12
DM74123N	♦NSC	163 -104
DM74125J	♦NSC	215 - 94
DM74125N	♦NSC	215 - 95
DM74126J	♦NSC	215 - 96
DM74126N	♦NSC	215 - 97
DM74132J	♦NSC	197 - 99
DM74132N	♦NSC	197 -100
DM74132W	♦NSC	197 -101
DM74141J	♦NSC	91 - 37
DM74141N	♦NSC	91 - 38
DM74141W	♦NSC	91 - 39
DM74145J	♦NSC	91 - 40
DM74145N	♦NSC	91 - 41
DM74145W	♦NSC	91 - 42
DM74150J	♦NSC	237 - 62
DM74150N	♦NSC	237 - 63
DM74151J	♦NSC	237 - 64
DM74151N	♦NSC	237 - 65
DM74151W	♦NSC	237 - 66
DM74153J	♦NSC	237 - 67
DM74153N	♦NSC	237 - 68
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DM74176J	♦NSC	82 - 58
DM74176N	♦NSC	82 - 59
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DM74177W	♦NSC	76 - 90
DM74180J	♦NSC	247 - 81
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DM74192J	♦NSC	75 - 51
DM74192N	♦NSC	75 - 52
DM74193J	♦NSC	81 - 38
DM74193N	♦NSC	81 - 39
DM74196J	♦NSC	76 - 3
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DM74197J	♦NSC	76 - 5
DM74197N	♦NSC	76 - 6
DM75491J	♦NSC	199 - 94
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DM75492N	♦NSC	201 - 41
DM75493J	♦NSC	199 - 61
DM75493N	♦NSC	199 - 62
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DM75494N	♦NSC	199 - 64
DN803T	MATJ	232 - 11
DN804	MATJ	231 -104
DN805	MATJ	66 -105
DN806	MATJ	231 -105
DN807	MATJ	233 - 46
DN811	MATJ	86 - 13
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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DS1633H	♦NSC	230- 84	DS3690J	♦NSC	221- 38	DS8642J	♦NSC	221- 53	DS8974N	♦NSC	200- 99	E300D7	SGAI	66- 93
DS1633J	♦NSC	230- 85	DS3690N	♦NSC	221- 39	DS8642N	♦NSC	221- 54	DS8976N	♦NSC	200-100	E300F2	SGAI	66- 94
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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G117MDD	♦INL	226 - 52
G117MFD	♦INL	226 - 53
G118AL	♦SIX	253 - 87
G118BL	♦SIX	253 - 88
G118CDD	♦INL	226 - 54
G118CFD	♦INL	226 - 55
G118MDD	♦INL	226 - 56
G118MFD	♦INL	226 - 57
G119AL	♦SIX	253 - 89
G119BL	♦SIX	253 - 90
G119CDD	♦INL	226 - 58
G119CFD	♦INL	226 - 59
G119MDD	♦INL	226 - 60
G119MFD	♦INL	226 - 61
G122AL	SIX	253 - 91
G122BL	SIX	253 - 92
G123AL	SIX	253 - 93
G123AP	SIX	253 - 94
G123BL	♦SIX	253 - 95
G123BP	SIX	253 - 96
G123IDD	♦INL	212 - 70
G123IFD	♦INL	212 - 71
G124AL	SIX	253 - 97
G124BL	SIX	253 - 98
G125AF	♦SIX	253 - 99
G125IFD	♦INL	212 - 26
G125MFD	♦INL	212 - 27
G126AF	♦SIX	253 - 100
G126IFD	♦INL	212 - 57
G126MFD	♦INL	212 - 58
G127AF	♦SIX	253 - 101
G127IFD	♦INL	212 - 28
G127MFD	♦INL	212 - 29
G128AF	♦SIX	253 - 102
G128AP	♦SIX	253 - 103
G128BP	♦SIX	253 - 104
G128IFD	♦INL	212 - 59
G128MFD	♦INL	212 - 60
G129AF	♦SIX	253 - 105
G129IFD	♦INL	212 - 30
G129MFD	♦INL	212 - 31
G130AF	♦SIX	253 - 106
G130IFD	♦INL	212 - 61
G130MFD	♦INL	212 - 62
G131AF	♦SIX	253 - 107
G131IFD	♦INL	212 - 32
G131MFD	♦INL	212 - 33
G132AF	♦SIX	253 - 108

Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line
G132IFD	♦INL	212 - 63
G132MFD	♦INL	212 - 64
G1330IFD	♦INL	212 - 34
G1330MFD	♦INL	212 - 35
G1340IFD	♦INL	212 - 65
G1340MFD	♦INL	212 - 66
G1350IFD	♦INL	212 - 36
G1350MFD	♦INL	212 - 37
G1360IFD	♦INL	212 - 67
G1360MFD	♦INL	212 - 68
GFB7400	RTCF	135 - 65
GFB7401	RTCF	135 - 66
GFB7401S1	RTCF	135 - 67
GFB7402	RTCF	120 - 16
GFB7403	RTCF	135 - 68
GFB7404	RTCF	188 - 45
GFB7405	RTCF	188 - 46
GFB7405S1	RTCF	188 - 47
GFB7408	RTCF	99 - 61
GFB7410	RTCF	135 - 69
GFB7413	RTCF	197 -106
GFB7420	RTCF	135 - 70
GFB7426	RTCF	135 - 71
GFB7430	RTCF	135 - 72
GFB7440	RTCF	135 - 73
GFB7442	RTCF	91 - 49
GFB7450	RTCF	105 -102
GFB7451	RTCF	105 -103
GFB7453	RTCF	105 -104
GFB7454	RTCF	105 -105
GFB7460	RTCF	159 - 56
GFB7470	RTCF	55 - 35
GFB7472	RTCF	54 - 54
GFB7473	RTCF	54 - 55
GFB7474	RTCF	68 - 55
GFB7475	RTCF	249 - 39
GFB7476	RTCF	54 - 56
GFB7486	RTCF	155 - 94
GFB7490	RTCF	77 - 1
GFB7493	RTCF	82 -103
GFB74107	RTCF	54 - 57
GFB74116	RTCF	249 - 40
GFB74121	RTCF	167 - 38
GFB74141	RTCF	91 - 50
GFB74150	♦RTCF	237 - 98
GFB74151	RTCF	237 - 99
GFB74153	♦RTCF	237 -100
GFB74154	RTCF	89 - 30
GFB74155	♦RTCF	237 -101
GFB74157	♦RTCF	237 -102
GFB74180	RTCF	247 - 86
GFB74181	♦RTCF	245 - 30
GFB74193	♦RTCF	81 - 46
GJB74H00P	RTCF	135 - 74
GJB74H01P	RTCF	135 - 75
GJB74H04P	RTCF	188 - 48
GJB74H05P	RTCF	188 - 49
GJB74H10P	RTCF	135 - 76
GJB74H11P	RTCF	99 - 62
GJB74H20P	RTCF	135 - 77
GJB74H30P	RTCF	135 - 78
GJB74H40P	RTCF	135 - 79
GJB74H50P	RTCF	105 -106
GJB74H51P	RTCF	105 -107
GJB74H53P	RTCF	105 -108
GJB74H54P	RTCF	105 -109
GJB74H72P	RTCF	57 - 95
GJB74H74P	RTCF	69 - 28
GTB74S00P	RTCF	131 - 46
GTB74S03P	RTCF	131 - 47
GTB74S04P	RTCF	185 - 27
GTB74S05P	RTCF	185 - 28
GTB74S10P	RTCF	131 - 48
GTB74S11P	RTCF	98 - 93
GTB74S64P	RTCF	105 -110
GTB74S74	RTCF	67 - 97
GTB74S86P	RTCF	112 - 90
GTB74S112	RTCF	51 - 90
GTB74S151	RTCF	234 - 86
GTB74S153	RTCF	234 - 87
GTB74S157	RTCF	234 - 88
GTB74S180	RTCF	247 - 87
GTB74S181	RTCF	245 - 31
GXB10101	♦MULB	114 - 99
	♦RTCF	
GXB10102	♦MULB	118 - 47
	♦RTCF	
GXB10105	♦MULB	114 -100
	♦RTCF	
GXB10106	♦MULB	118 - 48
	♦RTCF	
GXB10107	♦MULB	157 - 37
	♦RTCF	
GXB10109	♦MULB	114 -101
	♦RTCF	
GXB10110	♦MULB	112 - 70
	♦RTCF	
GXB10111	♦MULB	118 - 49
	♦RTCF	
GXB10115	♦MULB	220 - 57
	♦RTCF	
GXB10117	♦MULB	114 - 83
	♦RTCF	
GXB10118	♦MULB	114 - 56
	♦RTCF	
GXB10119	♦MULB	114 - 57
	♦RTCF	
GXB10121	♦MULB	114 - 84
	♦RTCF	
GXB10130	♦MULB	248 - 70
	♦RTCF	
GXB10131	♦MULB	67 - 63
	♦RTCF	

TYPE No.	MFRS	Pg&Line
GXB10132	♦MULB	235 - 40
	RTCF	
GXB10134	♦MULB	67 - 57
	RTCF	
GXB10136	RTCF	86 - 77
GXB10137	RTCF	84 - 38
GXB10160	♦MULB	247 - 54
	♦RTCF	
GXB10161	♦MULB	88 - 77
	♦RTCF	
GXB10162	♦MULB	88 - 78
	♦RTCF	
GXB10164	♦MULB	235 - 41
	♦RTCF	
GXB10172	RTCF	88 - 79
GXB10173	♦MULB	67 - 58
	RTCF	
GXB10174	RTCF	235 - 42
GXB10179	RTCF	252 - 42
GXB10181	RTCF	244 - 95
GZF1200	♦RTCF	203 - 43
GZF1201	♦RTCF	243 - 61
GZF1202	♦RTCF	203 - 44
H102D1	♦SGAI	152 - 51
H102D2	♦SGAI	152 - 52
H102D6	♦SGAI	152 - 53
H103D1	♦SGAI	152 - 54
H103D2	♦SGAI	152 - 55
H103D6	SGAI	152 - 56
H104D1	♦SGAI	152 - 57
H104D2	♦SGAI	152 - 58
H104D6	SGAI	152 - 59
H105D1	♦SGAI	103 - 17
H105D2	SGAI	103 - 18
H105D6	♦SGAI	103 - 19
H109D1	♦SGAI	98 - 73
H109D2	♦SGAI	98 - 74
H109D6	SGAI	98 - 75
H110D1	♦SGAI	50 - 92
H110D2	SGAI	50 - 93
H110D6	SGAI	50 - 94
H111D1	♦SGAI	50 - 95
H111D2	SGAI	50 - 96
H111D6	SGAI	50 - 97
H112D1	♦SGAI	194 - 80
H112D2	SGAI	194 - 81
H112D6	♦SGAI	194 - 82
H113D1	♦SGAI	184 -102
H113D2	SGAI	184 -103
H113D6	SGAI	184 -104
H114D1	♦SGAI	183 - 64
H114D2	SGAI	183 - 65
H114D6	SGAI	183 - 66
H115D1	♦SGAI	194 - 83
H115D2	SGAI	194 - 84
H115D6	♦SGAI	194 - 85
H117D1#1	♦SGAI	71 - 16
H117D1#2	♦SGAI	164 - 94
H117D2#1	♦SGAI	71 - 17
H117D2#2	♦SGAI	164 - 95
H117D6#1	♦SGAI	71 - 18
H117D6#2	♦SGAI	164 - 96
H118D1	♦SGAI	194 - 86
H118D2	SGAI	194 - 87
H118D6	♦SGAI	194 - 88
H119D1	♦SGAI	194 - 89
H119D2	SGAI	194 - 90
H119D6	♦SGAI	194 - 91
H122D1	♦SGAI	130 -100
H122D2	♦SGAI	130 -101
H122D6	♦SGAI	130 -102
H124D1	♦SGAI	130 -103
H124D2	♦SGAI	130 -104
H124D6	♦SGAI	130 -105
H156D1	♦SGAI	79 - 60
H156D2	♦SGAI	79 - 61
H156D6	♦SGAI	79 - 62
H157D1	♦SGAI	73 -106
H157D2	♦SGAI	73 -107
H157D6	SGAI	73 -108
H158D1	♦SGAI	90 -105
H158D2	SGAI	90 -106
H158D6	SGAI	90 -107
H159D1	SGAI	50 - 89
H165D1	SGAI	50 - 90
H166D1	SGAI	50 - 91
H167D1	SGAI	155 - 43
H202B1	SGAI	152 - 60
H203B1	SGAI	152 - 61
H204B1	SGAI	152 - 62
H205B1	SGAI	103 - 20
H209B1	SGAI	98 - 76
H210B1	SGAI	50 - 98
H211B1	SGAI	50 - 99
H212B1	SGAI	194 - 92
H213B1	SGAI	184 -105
H214B1	SGAI	183 - 67
H215B1	SGAI	194 - 93
H218B1	SGAI	194 - 94
H219B1	SGAI	194 - 95
H222B1	SGAI	130 -106
H224B1	SGAI	130 -107
H227B1	SGAI	71 - 19
H256B1	SGAI	79 - 63
H257B1	SGAI	73 -109
H258B1	SGAI	90 -108
HADC9-1	♦DDC	169 - 30
HADC9-3	♦DDC	169 - 31
HADC10-1	♦DDC	169 - 32
HADC10-3	♦DDC	169 - 33
HADC11-1	♦DDC	169 - 34
HADC11-3	♦DDC	169 - 35
HAG20011	FSC	123 - 6
HAG20019	FSC	123 - 4

TYPE No.	MFRS	Pg&Line
HAG20021	FSC	122 -110
HAG20029	FSC	123 - 1
HBC4000AD	SGAI	117 - 18
HBC4000AF	SGAI	117 - 19
HBC4000AK	SGAI	117 - 20
HBC4001AD	SGAI	117 - 21
HBC4001AF	SGAI	117 - 22
HBC4001AK	SGAI	117 - 23
HBC4002AD	SGAI	117 - 24
HBC4002AF	SGAI	117 - 25
HBC4002AK	SGAI	117 - 26
HBC4007AD	SGAI	232 - 94
HBC4007AF	SGAI	232 - 95
HBC4007AK	SGAI	232 - 96
HBC4008AD	SGAI	182 - 60
HBC4008AF	SGAI	182 - 61
HBC4008AK	SGAI	182 - 62
HBC4009AD	SGAI	195 - 35
HBC4009AF	SGAI	195 - 36
HBC4009AK	SGAI	195 - 37
HBC4010AD	SGAI	197 - 23
HBC4010AF	SGAI	197 - 24
HBC4010AK	SGAI	197 - 25
HBC4011AD	SGAI	126 - 39
HBC4011AF	SGAI	126 - 40
HBC4011AK	SGAI	126 - 41
HBC4012AD	SGAI	126 - 42
HBC4012AF	SGAI	126 - 43
HBC4012AK	SGAI	126 - 44
HBC4013AD	SGAI	67 - 42
HBC4013AF	SGAI	67 - 43
HBC4013AK	SGAI	67 - 44
HBC4016AD	SGAI	253 - 73
HBC4016AF	SGAI	253 - 74
HBC4016AK	SGAI	253 - 75
HBC4017AD	SGAI	85 - 72
HBC4017AF	SGAI	85 - 73
HBC4017AK	SGAI	85 - 74
HBC4018AD	SGAI	85 - 75
HBC4018AF	SGAI	85 - 76
HBC4018AK	SGAI	85 - 77
HBC4019AD	SGAI	102 -110
HBC4019AF	SGAI	103 - 1
HBC4019AK	SGAI	103 - 2
HBC4020AD	SGAI	79 - 30
HBC4020AF	SGAI	79 - 31
HBC4020AK	SGAI	79 - 32
HBC4022AD	SGAI	85 - 78
HBC4022AF	SGAI	85 - 79
HBC4022AK	SGAI	85 - 80
HBC4023AD	SGAI	126 - 45
HBC4023AF	SGAI	126 - 46
HBC4023AK	SGAI	126 - 47
HBC4024AD	SGAI	79 - 33
HBC4024AF	SGAI	79 - 34
HBC4024AK	SGAI	79 - 35
HBC4025AD	SGAI	117 - 27
HBC4025AF	SGAI	117 - 28
HBC4025AK	SGAI	117 - 29
HBC4026AD	SGAI	85 - 81
HBC4026AF	SGAI	85 - 82
HBC4026AK	SGAI	85 - 83
HBC4027AD	SGAI	48 - 65
HBC4027AF	SGAI	48 - 66
HBC4027AK	SGAI	48 - 67
HBC4028AD	SGAI	90 - 66
HBC4028AF	SGAI	90 - 67
HBC4028AK	SGAI	90 - 68
HBC4029AD	SGAI	86 - 8
HBC4029AF	SGAI	86 - 9
HBC4029AK	SGAI	86 - 10
HBC4030AD	SGAI	155 - 22
HBC4030AF	SGAI	155 - 23
HBC4030AK	SGAI	155 - 24
HBC4033AD	SGAI	73 - 55
HBC4033AF	SGAI	73 - 56
HBC4033AK	SGAI	73 - 57
HBC4037AD	SGAI	103 - 3
HBC4037AF	SGAI	103 - 4
HBC4037AK	SGAI	103 - 5
HBC4038AD	SGAI	182 - 63
HBC4038AF	SGAI	182 - 64
HBC4038AK	SGAI	182 - 65
HBC4040AD	SGAI	79 - 13
HBC4040AF	SGAI	79 - 14
HBC4040AK	SGAI	79 - 15
HBC4041AD	SGAI	217 - 11
HBC4041AF	SGAI	217 - 12
HBC4041AK	SGAI	217 - 13
HBC4045AD	SGAI	79 - 40
HBC4045AK	SGAI	79 - 41
HBC4046AD	SGAI	247 - 48
HBC4046AF	SGAI	247 - 49
HBC4046AK	SGAI	247 - 50
HBC4047AD	SGAI	71 - 13
HBC4047AK	SGAI	71 - 14
HBC4049AD	SGAI	197 - 26
HBC4049AF	SGAI	197 - 27
HBC4049AK	SGAI	197 - 28
HBC4050AD	SGAI	197 - 29
HBC4050AF	SGAI	197 - 30
HBC4050AK	SGAI	197 - 31
HBC4057AD	SGAI	246 - 6
HBC4057AK	SGAI	246 - 7
HBC4066AD	SGAI	253 - 76
HBC4066AF	SGAI	253 - 77
HBC4066AK	SGAI	253 - 78
HBF4000AE	SGAI	117 - 30
HBF4000AF	SGAI	117 - 31
HBF4001AE	SGAI	117 - 32
HBF4001AF	SGAI	117 - 33
HBF4002AE	SGAI	117 - 34
HBF4002AF	SGAI	117 - 35
HBF4007AE	SGAI	232 - 97

TYPE No.	MFRS	Pg&Line
HBF4007AF	SGAI	232 - 98
HBF4008AE	SGAI	182 - 66
HBF4008AF	SGAI	182 - 67
HBF4009AE	SGAI	195 - 38
HBF4009AF	SGAI	195 - 39
HBF4010AE	SGAI	197 - 32
HBF4010AF	SGAI	197 - 33
HBF4011AE	SGAI	126 - 48
HBF4011AF	SGAI	126 - 49
HBF4012AE	SGAI	126 - 50
HBF4012AF	SGAI	126 - 51
HBF4013AE	SGAI	67 - 45
HBF4013AF	SGAI	67 - 46
HBF4016AE	SGAI	253 - 79
HBF4016AF	SGAI	253 - 80
HBF4017AE	SGAI	85 - 84
HBF4017AF	SGAI	85 - 85
HBF4018AE	SGAI	85 - 86
HBF4018AF	SGAI	85 - 87
HBF4019AE	SGAI	103 - 6
HBF4019AF	SGAI	103 - 7
HBF4020AE	SGAI	79 - 36
HBF4020AF	SGAI	79 - 37
HBF4022AE	SGAI	85 - 88
HBF4022AF	SGAI	85 - 89
HBF4023AE	SGAI	126 - 52
HBF4023AF	SGAI	126 - 53
HBF4024AE	SGAI	79 - 38
HBF4024AF	SGAI	79 - 39
HBF4025AE	SGAI	117 - 36
HBF4025AF	SGAI	117 - 37
HBF4026AE	SGAI	85 - 90
HBF4026AF	SGAI	85 - 91
HBF4027AE	SGAI	48 - 68
HBF4027AF	SGAI	48 - 69
HBF4028AE	SGAI	90 - 69
HBF4028AF	SGAI	90 - 70
HBF4029AE	♦SGAI	86 - 11
HBF4029AF	♦SGAI	86 - 12
HBF4030AE	SGAI	155 - 25
HBF4030AF	SGAI	155 - 26
HBF4033AE	SGAI	73 - 58
HBF4033AF	SGAI	73 - 59
HBF4037AE	SGAI	103 - 8
HBF4037AF	SGAI	103 - 9
HBF4038AE	SGAI	182 - 68
HBF4038AF	SGAI	182 - 69
HBF4040AE	SGAI	79 - 16
HBF4040AF	SGAI	79 - 17
HBF4041AE	SGAI	217 - 14
HBF4041AF	SGAI	217 - 15
HBF4045AE	SGAI	79 - 42
HBF4046AE	SGAI	247 - 51
HBF4046AF	SGAI	247 - 52
HBF4047AE	SGAI	71 - 15
HBF4049AE	SGAI	197 - 34
HBF4049AF	SGAI	197 - 35
HBF4050AE	SGAI	197 - 36
HBF4050AF	SGAI	197 - 37
HBF4066AE	SGAI	253 - 81
HBF4066AF	SGAI	253 - 82
HBG20011	FSC	123 - 7
HBG20019	FSC	123 - 5
HBG20021	FSC	123 - 2
HBG20029	FSC	123 - 3
HBY80801	FSC	244 - 80
HBY80809	FSC	244 - 81
HD1-54C00	♦HAS	125 - 60
HD1-54C02	♦HAS	116 - 40
HD1-54C04	♦HAS	194 - 68
HD1-54C08	♦HAS	98 - 6
HD1-54C10	♦HAS	125 - 61
HD1-54C107	♦HAS	48 - 35
HD1-54C14	♦HAS	198 -102
HD1-54C151	♦HAS	243 -109
HD1-54C154	♦HAS	88 - 43
HD1-54C157	♦HAS	243 -110
HD1-54C160	♦HAS	84 - 8
HD1-54C161	♦HAS	78 - 26
HD1-54C162	♦HAS	84 - 9
HD1-54C163	♦HAS	78 - 27
HD1-54C192	♦HAS	84 - 10
HD1-54C193	♦HAS	78 - 28
HD1-54C20	♦HAS	125 - 62
HD1-54C221	♦HAS	163 - 10
HD1-54C30	♦HAS	125 - 63
HD1-54C42	♦HAS	90 - 36
HD1-54C48	♦HAS	93 -105
HD1-54C73	♦HAS	48 - 36
HD1-54C74	♦HAS	67 - 25
HD1-54C76	♦HAS	48 - 37
HD1-54C83	♦HAS	182 - 36
HD1-54C85	♦HAS	247 - 33
HD1-54C86	♦HAS	155 - 4
HD1-54C901	♦HAS	194 - 69
HD1-54C902	♦HAS	184 - 86
HD1-54C903	♦HAS	194 - 70
HD1-54C904	♦HAS	184 - 87
HD1-70C95	♦HAS	184 - 88
HD1-70C97	♦HAS	184 - 89
HD1-74C00	♦HAS	125 - 64
HD1-74C02	♦HAS	116 - 41
HD1-74C04	♦HAS	194 - 71
HD1-74C08	♦HAS	98 - 7
HD1-74C10	♦HAS	125 - 65
HD1-74C107	♦HAS	48 - 38
HD1-74C14	♦HAS	198 -103
HD1-74C151	♦HAS	244 - 1
HD1-74C154	♦HAS	88 - 44
HD1-74C157	♦HAS	244 - 2
HD1-74C160	♦HAS	84 - 10
HD1-74C161	♦HAS	78 - 28
HD1-74C162	♦HAS	84 - 11
HD1-74C163	♦HAS	78 - 29

TYPE No.	MFRS	Pg&Line
HD1-74C192	♦HAS	84 - 17
HD1-74C193	♦HAS	78 - 35
HD1-74C20	♦HAS	125 - 66
HD1-74C221	♦HAS	163 - 11
HD1-74C30	♦HAS	125 - 67
HD1-74C42	♦HAS	90 - 37
HD1-74C48	♦HAS	93 -106
HD1-74C73	♦HAS	48 - 39
HD1-74C74	♦HAS	67 - 26
HD1-74C76	♦HAS	48 - 40
HD1-74C83	♦HAS	182 - 37
HD1-74C85	♦HAS	247 - 34
HD1-74C86	♦HAS	155 - 5
HD1-74C901	♦HAS	194 - 72
HD1-74C902	♦HAS	184 - 90
HD1-74C903	♦HAS	194 - 73
HD1-74C904	♦HAS	184 - 91
HD1-80C95	♦HAS	184 - 92
HD1-80C97	♦HAS	184 - 93
HD1-4000A2	♦HAS	116 - 49
HD1-4000A9	♦HAS	116 - 50
HD1-4001A2	♦HAS	116 - 51
HD1-4001A9	♦HAS	116 - 52
HD1-4002A2	♦HAS	116 - 53
HD1-4002A9	♦HAS	116 - 54
HD1-4007A2	♦HAS	232 - 80
HD1-4007A9	♦HAS	232 - 81
HD1-4011A2	♦HAS	125 - 80
HD1-4011A9	♦HAS	125 - 81
HD1-4012A2	♦HAS	125 - 82
HD1-4012A9	♦HAS	125 - 83
HD1-4013A2	♦HAS	67 - 30
HD1-4013A9	♦HAS	67 - 31
HD1-4017A2	♦HAS	85 - 30
HD1-4017A9	♦HAS	85 - 31
HD1-4018A2	♦HAS	85 - 32
HD1-4018A9	♦HAS	85 - 33
HD1-4019A2	♦HAS	102 - 93
HD1-4019A9	♦HAS	102 - 94
HD1-4020A2	♦HAS	78 - 65
HD1-4020A9	♦HAS	78 - 66
HD1-4022A2	♦HAS	85 - 34
HD1-4022A9	♦HAS	85 - 35
HD1-4023A2	♦HAS	125 - 84
HD1-4023A9	♦HAS	125 - 85
HD1-4024A2	♦HAS	78 - 67
HD1-4024A9	♦HAS	78 - 68
HD1-4025A2	♦HAS	116 - 55
HD1-4025A9	♦HAS	116 - 56
HD1-4027A2	♦HAS	48 - 52
HD1-4027A9	♦HAS	48 - 53
HD1-4028A2	♦HAS	90 - 49
HD1-4028A9	♦HAS	90 - 50
HD1-4029A2	♦HAS	85 -106
HD1-4029A9	♦HAS	85 -107
HD1-4030A2	♦HAS	155 - 10
HD1-4030A9	♦HAS	155 - 11
HD1-4040A2	♦HAS	78 - 47
HD1-4040A9	♦HAS	78 - 48
HD1-4043A2	♦HAS	250 - 75
HD1-4043A9	♦HAS	250 - 76
HD1-4044A2	♦HAS	250 - 77
HD1-4044A9	♦HAS	250 - 78
HD1-4049A2	♦HAS	196 - 74
HD1-4049A9	♦HAS	196 - 75
HD1-4050A2	♦HAS	196 - 76
HD1-4050A9	♦HAS	196 - 77
HD1-4066A2	♦HAS	205 - 51
HD1-4066A9	♦HAS	205 - 52
HD1-4819-5	♦HAS	254 - 60
HD1A1488	♦HAS	219 -104
HD1A1489	♦HAS	220 - 97
HD1A1489A	♦HAS	220 -110
HD1A6600-2	♦HAS	227 - 76
HD1A6600-5	♦HAS	227 - 77
HD1A6605-2	HAS	227 - 78
HD1A6605-5	HAS	227 - 79
HD1J0140-2	♦HAS	93 - 87
HD1J0140-5	♦HAS	93 - 88
HD1J0140A2	♦HAS	93 - 89
HD1J0140A5	♦HAS	93 - 90
HD1S234	HAS	194 - 22
HD1S235	HAS	195 - 57
HD1S245	♦HAS	219 - 41
HD1S246	♦HAS	223 - 78
HD1S248	♦HAS	223 - 79
HD1S249	♦HAS	223 - 80
HD1S534	HAS	193 - 59
HD1S535	HAS	195 - 58
HD1S536	HAS	193 - 63
HD1S545	♦HAS	219 - 42
HD1S546	♦HAS	223 - 81
HD1S548	♦HAS	223 - 82
HD1S549	♦HAS	223 - 83
HD1W4019-2	♦HAS	103 - 11
HD1W4019-9	♦HAS	103 - 10
HD9-54C00	♦HAS	125 - 68
HD9-54C02	♦HAS	116 - 42
HD9-54C04	♦HAS	194 - 74
HD9-54C08	♦HAS	98 - 8
HD9-54C10	♦HAS	125 - 69
HD9-54C107	♦HAS	48 - 41
HD9-54C14	♦HAS	198 -104
HD9-54C151	♦HAS	244 - 3
HD9-54C154	♦HAS	88 - 45
HD9-54C157	♦HAS	244 - 4
HD9-54C160	♦HAS	84 - 12
HD9-54C161	♦HAS	78 - 30
HD9-54C162	♦HAS	84 - 13
HD9-54C163	♦HAS	78 - 31
HD9-54C192	♦HAS	84 - 18
HD9-54C193	♦HAS	78 - 36
HD9-54C20	♦HAS	125 - 70
HD9-54C221	♦HAS	163 - 12

Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

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HD9-54C48	♦HAS	93 -107
HD9-54C73	♦HAS	48 - 42
HD9-54C74	♦HAS	67 - 27
HD9-54C76	♦HAS	48 - 43
HD9-54C83	♦HAS	182 - 38
HD9-54C85	♦HAS	247 - 35
HD9-54C86	♦HAS	155 - 6
HD9-54C901	♦HAS	194 - 75
HD9-54C902	♦HAS	184 - 94
HD9-54C903	♦HAS	194 - 76
HD9-54C904	♦HAS	184 - 95
HD9-70C95	♦HAS	184 - 96
HD9-70C97	♦HAS	184 - 97
HD9-74C00	♦HAS	125 - 72
HD9-74C02	♦HAS	116 - 43
HD9-74C04	♦HAS	194 - 77
HD9-74C08	♦HAS	98 - 9
HD9-74C10	♦HAS	125 - 73
HD9-74C107	♦HAS	48 - 44
HD9-74C14	♦HAS	198 -105
HD9-74C151	♦HAS	244 - 5
HD9-74C154	♦HAS	88 - 46
HD9-74C157	♦HAS	244 - 6
HD9-74C160	♦HAS	84 - 14
HD9-74C161	♦HAS	78 - 32
HD9-74C162	♦HAS	84 - 15
HD9-74C163	♦HAS	78 - 33
HD9-74C192	♦HAS	84 - 19
HD9-74C193	♦HAS	78 - 37
HD9-74C20	♦HAS	125 - 74
HD9-74C221	♦HAS	163 - 13
HD9-74C30	♦HAS	125 - 75
HD9-74C42	♦HAS	90 - 39
HD9-74C48	♦HAS	93 -108
HD9-74C73	♦HAS	48 - 45
HD9-74C74	♦HAS	67 - 28
HD9-74C76	♦HAS	48 - 46
HD9-74C83	♦HAS	182 - 39
HD9-74C85	♦HAS	247 - 36
HD9-74C86	♦HAS	155 - 7
HD9-74C901	♦HAS	194 - 78
HD9-74C902	♦HAS	184 - 98
HD9-74C903	♦HAS	194 - 79
HD9-74C904	♦HAS	184 - 99
HD9-80C95	♦HAS	184 -100
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HD9-4000A9	♦HAS	116 - 58
HD9-4001A2	♦HAS	116 - 59
HD9-4001A9	♦HAS	116 - 60
HD9-4002A2	♦HAS	116 - 61
HD9-4002A9	♦HAS	116 - 62
HD9-4007A2	♦HAS	232 - 82
HD9-4007A9	♦HAS	232 - 83
HD9-4011A2	♦HAS	125 - 86
HD9-4011A9	♦HAS	125 - 87
HD9-4012A2	♦HAS	125 - 88
HD9-4012A9	♦HAS	125 - 89
HD9-4013A2	♦HAS	67 - 32
HD9-4013A9	♦HAS	67 - 33
HD9-4017A2	♦HAS	85 - 36
HD9-4017A9	♦HAS	85 - 37
HD9-4018A2	♦HAS	85 - 38
HD9-4018A9	♦HAS	85 - 39
HD9-4019A2	♦HAS	102 - 95
HD9-4019A9	♦HAS	102 - 96
HD9-4020A2	♦HAS	78 - 69
HD9-4020A9	♦HAS	78 - 70
HD9-4022A2	♦HAS	85 - 40
HD9-4022A9	♦HAS	85 - 41
HD9-4023A2	♦HAS	125 - 90
HD9-4023A9	♦HAS	125 - 91
HD9-4024A2	♦HAS	78 - 71
HD9-4024A9	♦HAS	78 - 72
HD9-4025A2	♦HAS	116 - 63
HD9-4025A9	♦HAS	116 - 64
HD9-4027A2	♦HAS	48 - 54
HD9-4027A9	♦HAS	48 - 55
HD9-4028A2	♦HAS	90 - 51
HD9-4028A9	♦HAS	90 - 52
HD9-4029A2	♦HAS	85 -108
HD9-4029A9	♦HAS	85 -109
HD9-4030A2	♦HAS	155 - 12
HD9-4030A9	♦HAS	155 - 13
HD9-4040A2	♦HAS	78 - 49
HD9-4040A9	♦HAS	78 - 50
HD9-4043A2	♦HAS	250 - 79
HD9-4043A9	♦HAS	250 - 80
HD9-4044A2	♦HAS	250 - 81
HD9-4044A9	♦HAS	250 - 82
HD9-4049A2	♦HAS	196 - 78
HD9-4049A9	♦HAS	196 - 79
HD9-4050A2	♦HAS	196 - 80
HD9-4050A9	♦HAS	196 - 81
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HD9V249	♦HAS	223 - 86
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HD9V535	HAS	195 - 60
HD9V536	HAS	193 - 64
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HD9V548	♦HAS	223 - 88
HD9V549	♦HAS	223 - 89
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HEPC0905P-RT	♦MOTA	131 - 7
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HEPC3401P-RT	♦MOTA	51 - 30
HEPC3800P-RT	♦MOTA	84 - 73
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HI-1F1800-5	♦HAS	211-104
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HI-1F1818-2	♦HAS	243 - 64
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HM1A041	♦HAS	231 - 73
HM1A044	♦HAS	231 - 54
HM1A050	♦HAS	231-109
HM1A051	♦HAS	231 - 74
HM1A055	♦HAS	231 - 55
HM1A074	♦HAS	231-110
HM1A075	♦HAS	231 - 75
HM1A077	♦HAS	231 - 56
HM1A080	♦HAS	232 - 1
HM1A081	♦HAS	231 - 76
HM1A084	♦HAS	231 - 57
HM1A090	♦HAS	232 - 2
HM1A091	♦HAS	231 - 77
HM1A093	♦HAS	231 - 58
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HM1A0110	HAS	231 - 22
HM1A0168	HAS	231 - 23
HM1A0186	HAS	231 - 24
HM9H010	♦HAS	232 - 3
HM9H012	♦HAS	231 - 78
HM9H013	♦HAS	231 - 59
HM9H030	♦HAS	232 - 4
HM9H031	♦HAS	231 - 79
HM9H034	♦HAS	231 - 60
HM9H040	♦HAS	232 - 5
HM9H041	♦HAS	231 - 80
HM9H044	♦HAS	231 - 61
HM9H050	♦HAS	232 - 6
HM9H051	♦HAS	231 - 81
HM9H055	♦HAS	231 - 62
HM9H074	♦HAS	232 - 7
HM9H075	♦HAS	231 - 82
HM9H077	♦HAS	231 - 63
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I202	♦ABA	130 - 19
I203	♦ABA	130 - 20
I204	♦ABA	130 - 21
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I207	♦ABA	130 - 23
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I210	♦ABA	90 - 30
I211	ABA	155 - 40
I300	♦ABA	194 - 42
I301	♦ABA	163 - 34
I302	♦ABA	164 - 76
I306	♦ABA	71 - 55
I311	♦ABA	164 - 77
I312	♦ABA	71 - 82
I313	♦ABA	201 - 5
I400	♦ABA	158 - 45
I401	♦ABA	199 - 32
I402	♦ABA	90 - 31
I403	♦ABA	184 - 55
I404	♦ABA	184 - 56
I405	♦ABA	201 - 94
I406	♦ABA	201 - 6
I407	♦ABA	158 - 46
I408	♦ABA	184 - 57
I409	♦ABA	184 - 58
I410	♦ABA	203 - 63
I413	♦ABA	184 - 59
I414	♦ABA	219 - 93
I415	♦ABA	224 - 43
I416	♦ABA	184 - 60
I417	♦ABA	88 - 11
I418	♦ABA	90 - 32
I419	♦ABA	201 - 92
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IH5048MFD	♦INL	208 - 52
IH5048MTW	♦INL	208 - 53
IH5049CDE	♦INL	208 - 54
IH5049CPE	♦INL	208 - 55
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IH5049MFD	♦INL	208 - 57
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ITT7470J	INTG	62 - 66
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ITT7472J	INTG	55 - 2
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MOTA	NSC	
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JANM38510/00102CCC		
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ITT	MOTA	136 - 42
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FSC	ITT	136 - 44
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JANM38510/00104CAB		
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FSC	ITT	137 - 2
MOTA	NSC	
JANM38510/00104CCA		
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JANM38510/00104CCB		
FSC	ITT	137 - 4
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MOTA	NSC	
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JANM38510/00107BDC		
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JANM38510/00107CAB		
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FSC	ITT	137 - 21
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JANM38510/00107CCA		
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FSC	ITT	137 - 23
MOTA	NSC	
SIC	TII	
JANM38510/00107CCC		
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	ITT MOTA	54 - 3
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	TII	
JANM38510/00201BCC		
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JANM38510/00201CAB		
	ITT MOTA	54 - 7
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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JANM38510/03005BCC	ITT	127 - 76
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JANM38510/03005CAB	ITT	127 - 78
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JANM38510/03005CCC	ITT	128 - 2
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JANM38510/04001BDB	SIC TII	107 - 10
JANM38510/04001CCB	SIC TII	107 - 11
JANM38510/04001CDB	SIC TII	107 - 12
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JANM38510/04003BDB	SIC TII	107 - 18
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JANM38510/04005BDB	SIC TII	107 - 26
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MC307G	♦MOTA	115 - 71
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MC309F	♦MOTA	124 - 16
MC309G	♦MOTA	124 - 17
MC310F	♦MOTA	124 - 18
MC310G	♦MOTA	124 - 19
MC311F	♦MOTA	124 - 20
MC311G	♦MOTA	124 - 21
MC312AF	♦MOTA	118 - 45
MC312AG	♦MOTA	118 - 46
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MC312G	MOTA	124 - 23
MC313F	♦MOTA	118 - 2
MC314F	♦MOTA	51 - 4
MC314G	♦MOTA	51 - 5
MC315F	♦MOTA	115 - 47
MC315G	♦MOTA	115 - 48
MC316F	♦MOTA	199 - 7
MC316G	♦MOTA	199 - 8
MC317F	♦MOTA	195 - 80
MC317G	♦MOTA	195 - 81
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MC318G	♦MOTA	195 - 83
MC351F	♦MOTA	115 - 35
MC351G	♦MOTA	115 - 36
MC352AF	♦MOTA	65 - 57
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MC359G	♦MOTA	118 - 36
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MC368G	♦MOTA	195 - 87
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MC400F	♦MOTA	148 - 41
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MC401L,P%	♦MOTA	110 - 74
MC402F	♦MOTA	148 - 43
MC402L,P%	♦MOTA	148 - 44
MC403F	♦MOTA	150 - 60
MC403L,P%	♦MOTA	150 - 61
MC404F	♦MOTA	110 - 75
MC404L,P%	♦MOTA	110 - 76
MC405F	♦MOTA	110 - 77
MC405L,P%	♦MOTA	110 - 78
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MC407F	♦MOTA	148 - 47
MC407L,P%	♦MOTA	148 - 48
MC408F	♦MOTA	148 - 49
MC408L,P%	♦MOTA	148 - 50
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MC410F	♦MOTA	160 - 51
MC410L,P%	♦MOTA	160 - 52
MC411F	♦MOTA	160 - 53
MC411L,P%	♦MOTA	160 - 54
MC412F	♦MOTA	148 - 51
MC412L,P%	♦MOTA	148 - 52
MC413F	♦MOTA	65 - 24
MC413L,P%	♦MOTA	65 - 25
MC414F	♦MOTA	65 - 59
MC414L,P%	♦MOTA	65 - 60
MC415F	♦MOTA	60 - 64
MC415L,P%	♦MOTA	60 - 65
MC416F	♦MOTA	60 - 66
MC416L,P%	♦MOTA	60 - 67
MC419F	♦MOTA	219 - 29
MC419L,P%	♦MOTA	219 - 30
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MC421F	♦MOTA	65 - 33
MC421L,P%	♦MOTA	65 - 34
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MC423L,P%	♦MOTA	59 - 51
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MC452F	♦MOTA	148 - 55
MC452L,P%	♦MOTA	148 - 56
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MC453L,P%	♦MOTA	150 - 62
MC454F	♦MOTA	110 - 83
MC454L,P%	♦MOTA	110 - 84
MC455F	♦MOTA	110 - 85
MC455L,P%	♦MOTA	110 - 86
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MC456L,P%	♦MOTA	148 - 58
MC457F	♦MOTA	148 - 59
MC457L,P%	♦MOTA	148 - 60
MC458F	♦MOTA	148 - 61
MC458L,P%	♦MOTA	148 - 62
MC459F	♦MOTA	161 - 76
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MC460F	♦MOTA	160 - 55
MC460L,P%	♦MOTA	160 - 56
MC461F	♦MOTA	160 - 57
MC461L,P%	♦MOTA	160 - 58
MC462F	♦MOTA	148 - 63
MC462L,P%	♦MOTA	148 - 64
MC463F	♦MOTA	65 - 26
MC463L,P%	♦MOTA	65 - 27
MC464F	♦MOTA	65 - 61
MC464L,P%	♦MOTA	65 - 62
MC465F	♦MOTA	60 - 68
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MC471F	♦MOTA	65 - 35
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MC474F	♦MOTA	59 - 56
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MC477F	♦MOTA	102 - 14
MC477L,P%	♦MOTA	102 - 15
MC478F	♦MOTA	161 - 49
MC478L,P%	♦MOTA	161 - 50
MC479F	♦MOTA	193 - 73
MC479L,P%	♦MOTA	193 - 74
MC500F	♦MOTA	148 - 65
MC500L	♦MOTA	148 - 66
MC501F	♦MOTA	110 - 89
MC501L	♦MOTA	110 - 90
MC502F	♦MOTA	148 - 67
MC502L	♦MOTA	148 - 68
MC503F	♦MOTA	150 - 63
MC503L	♦MOTA	150 - 64
MC504F	♦MOTA	110 - 91
MC504L	♦MOTA	110 - 92
MC505F	♦MOTA	110 - 93
MC505L	♦MOTA	110 - 94
MC506F	♦MOTA	148 - 69
MC506L	♦MOTA	148 - 70
MC507F	♦MOTA	148 - 71
MC507L	♦MOTA	148 - 72
MC508F	♦MOTA	148 - 73
MC508L	♦MOTA	148 - 74
MC509F	♦MOTA	161 - 78
MC509L	♦MOTA	161 - 79
MC510F	♦MOTA	160 - 59
MC510L	♦MOTA	160 - 60
MC511F	♦MOTA	160 - 61
MC511L	♦MOTA	160 - 62
MC512F	♦MOTA	148 - 75
MC512L	♦MOTA	148 - 76
MC513F	♦MOTA	65 - 28
MC513L	♦MOTA	65 - 29
MC514F	♦MOTA	65 - 63
MC514L	♦MOTA	65 - 64
MC515F	♦MOTA	60 - 72
MC516F	♦MOTA	60 - 73
MC516L	♦MOTA	60 - 74
MC519F	♦MOTA	219 - 33
MC519L	♦MOTA	219 - 34
MC520F	♦MOTA	110 - 95
MC520L	♦MOTA	110 - 96
MC521F	♦MOTA	65 - 37
MC521L	♦MOTA	65 - 38
MC522F	♦MOTA	70 - 1
MC522L	♦MOTA	70 - 2
MC523F	♦MOTA	59 - 58
MC523L	♦MOTA	59 - 59
MC524F	♦MOTA	59 - 60
MC524L	♦MOTA	59 - 61
MC526F	♦MOTA	102 - 27
MC526L	♦MOTA	102 - 28
MC527F	♦MOTA	102 - 16
MC527L	♦MOTA	102 - 17
MC528F	♦MOTA	161 - 51
MC528L	♦MOTA	161 - 52
MC529F	♦MOTA	193 - 75
MC529L	♦MOTA	193 - 76
MC550F	♦MOTA	148 - 77
MC550L	♦MOTA	148 - 78
MC551F	♦MOTA	110 - 97
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MC552F	♦MOTA	148 - 79
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MC553F	♦MOTA	150 - 65
MC553L	♦MOTA	150 - 66
MC554F	♦MOTA	110 - 99
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MC555F	♦MOTA	110 -101
MC555L	♦MOTA	110 -102
MC556F	♦MOTA	148 - 81
MC556L	♦MOTA	148 - 82
MC557F	♦MOTA	148 - 83
MC557L	♦MOTA	148 - 84
MC558F	♦MOTA	148 - 85
MC558L	♦MOTA	148 - 86
MC559F	♦MOTA	161 - 80
MC559L	♦MOTA	161 - 81
MC560F	♦MOTA	160 - 63
MC560L	♦MOTA	160 - 64
MC561F	♦MOTA	160 - 65
MC561L	♦MOTA	160 - 66
MC562F	♦MOTA	148 - 87
MC562L	♦MOTA	148 - 88
MC563F	♦MOTA	65 - 30
MC563L	♦MOTA	65 - 31
MC564F	♦MOTA	65 - 65
MC564L	♦MOTA	65 - 66
MC565F	♦MOTA	60 - 75
MC565L	♦MOTA	60 - 76
MC566F	♦MOTA	60 - 77
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MC569L	♦MOTA	219 - 36
MC570F	♦MOTA	110 -103
MC570L	♦MOTA	110 -104
MC571F	♦MOTA	65 - 39
MC571L	♦MOTA	65 - 40
MC572F	♦MOTA	70 - 3
MC572L	♦MOTA	70 - 4
MC573F	♦MOTA	59 - 62
MC573L	♦MOTA	59 - 63
MC574F	♦MOTA	59 - 64
MC574L	♦MOTA	59 - 65
MC576F	♦MOTA	102 - 29
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MC577F	♦MOTA	102 - 18
MC577L	♦MOTA	102 - 19
MC578F	♦MOTA	161 - 53
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MC579F	♦MOTA	193 - 77
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MC660L,P%	♦MOTA	131 - 9
MC661L,P%	♦MOTA	131 - 10
MC662L,P%	♦MOTA	131 - 11
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MC665L,P%	♦MOTA	196 - 53
MC666L,P%	♦MOTA	197 - 39
MC667L,P%	♦MOTA	163 - 35
MC668L,P%	♦MOTA	131 - 12
MC669L,P%	♦MOTA	158 - 52
MC670L,P%	♦MOTA	131 - 13
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MC672L,P%	♦MOTA	131 - 15
MC673L,P%	♦MOTA	104 - 76
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MC676P	♦MOTA	90 - 79
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MC679BL,P%	♦MOTA	199 - 5
MC679L,P%	♦MOTA	199 - 6
MC680L,P%	♦MOTA	195 - 45
MC681L,P%	♦MOTA	195 - 46
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MC682P	♦MOTA	250 -105
MC683L,P%	♦MOTA	155 - 44
MC684L	♦MOTA	84 - 33
MC684P	♦MOTA	84 - 34
MC685L	♦MOTA	79 - 64
MC685P	♦MOTA	79 - 65
MC688L	♦MOTA	50 -101
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MC689L,P%	♦MOTA	195 - 47
MC690L,P%	♦MOTA	195 - 48
MC691L,P#1%	♦MOTA	192 - 74
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MC703G	♦MOTA	124 - 65
MC704F	♦MOTA	183 - 1
MC704G	♦MOTA	183 - 2
MC705F	♦MOTA	66 - 86
MC705G	♦MOTA	66 - 87
MC706F	♦MOTA	66 - 75
MC706G	♦MOTA	66 - 76
MC707F	♦MOTA	124 - 66
MC707G	♦MOTA	124 - 67
MC708F	♦MOTA	183 - 3
MC708G	♦MOTA	183 - 4
MC709F	♦MOTA	185 - 99
MC709G	♦MOTA	185 -100
MC710F	♦MOTA	124 - 59
MC710G	♦MOTA	124 - 60
MC711F	♦MOTA	124 - 83
MC711G	♦MOTA	124 - 84
MC712F	♦MOTA	183 - 5
MC712G	♦MOTA	183 - 6
MC713F	♦MOTA	67 - 94
MC713G	♦MOTA	67 - 95
MC714F	♦MOTA	124 - 68
MC714G	♦MOTA	124 - 69
MC715F	♦MOTA	124 - 70
MC715G	♦MOTA	124 - 71
MC715P	♦MOTA	118 -108
MC717F	♦MOTA	119 - 11
MC717P	♦MOTA	118 -109
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MC718P	♦MOTA	119 - 1
MC719F	♦MOTA	119 - 14
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MC720F	♦MOTA	51 - 77
MC720G	♦MOTA	51 - 78
MC721F	♦MOTA	158 - 85
MC721G	♦MOTA	158 - 86
MC722F	♦MOTA	51 - 79
MC722G	♦MOTA	51 - 80
MC722P	♦MOTA	51 - 51
MC723F	♦MOTA	51 - 84
MC723G	♦MOTA	51 - 85
MC723P	♦MOTA	51 - 69
MC724AP	♦MOTA	119 - 18
MC724F	♦MOTA	124 - 72
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MC725F	♦MOTA	124 - 73
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MC727G	♦MOTA	185 -102
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MC728G	♦MOTA	152 - 65
MC729F	♦MOTA	124 - 61
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MC767AP	♦MOTA	250 - 66
MC767P	♦MOTA	250 - 67
MC770P	♦MOTA	91 - 2
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MC771P	♦MOTA	155 - 63
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MC776P	♦MOTA	51 - 68
MC777P	♦MOTA	79 - 72
MC778F	♦MOTA	67 - 96
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MC779P	♦MOTA	62 - 84
MC780P	♦MOTA	84 - 44
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MC783P	♦MOTA	66 - 73
MC784F	♦MOTA	66 - 78
MC784P	♦MOTA	66 - 79
MC785AP	♦MOTA	158 - 89
MC785F	♦MOTA	158 - 87
MC785P	♦MOTA	158 - 90
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MC786P	♦MOTA	158 - 79
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MC789F	♦MOTA	185 -105
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MC791F	♦MOTA	51 - 82
MC791P	♦MOTA	51 - 72
MC792F	♦MOTA	119 - 15
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MC793F	♦MOTA	119 - 16
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MC798F	♦MOTA	123 - 19
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MC800F	♦MOTA	185 - 84
MC800G	♦MOTA	185 - 85
MC801G	♦MOTA	202 - 40
MC802G	♦MOTA	64 -107
MC803F	♦MOTA	124 - 49
MC803G	♦MOTA	124 - 50
MC804F	♦MOTA	182 -102
MC804G	♦MOTA	182 -103
MC805F	♦MOTA	66 - 84
MC805G	♦MOTA	66 - 85
MC806F	♦MOTA	66 - 69
MC806G	♦MOTA	66 - 70
MC807F	♦MOTA	124 - 51
MC807G	♦MOTA	124 - 52
MC808F	♦MOTA	182 - 95
MC808G	♦MOTA	182 - 96
MC809F	♦MOTA	185 - 73
MC809G	♦MOTA	185 - 74
MC810F	♦MOTA	124 - 35
MC810G	♦MOTA	124 - 36
MC811F	♦MOTA	124 - 81
MC811G	♦MOTA	124 - 82
MC812F	♦MOTA	182 - 97
MC812G	♦MOTA	182 - 98
MC813F	♦MOTA	67 - 89
MC813G	♦MOTA	67 - 90
MC814F	♦MOTA	124 - 53
MC814G	♦MOTA	124 - 54
MC815F	♦MOTA	124 - 55
MC815G	♦MOTA	124 - 56
MC815P	♦MOTA	119 - 9
MC816F	♦MOTA	51 - 60
MC816G	♦MOTA	51 - 61
MC816P	♦MOTA	51 - 73
MC817F	♦MOTA	118 - 94
MC817P	♦MOTA	118 - 95
MC818F	♦MOTA	118 - 96
MC818G	♦MOTA	118 - 97
MC818P	♦MOTA	118 - 98
MC819F	♦MOTA	119 - 6
MC819P	♦MOTA	118 - 99
MC820F	♦MOTA	51 - 45
MC820G	♦MOTA	51 - 46
MC821F	♦MOTA	158 - 69
MC821G	♦MOTA	158 - 70
MC822F	♦MOTA	51 - 47
MC822G	♦MOTA	51 - 48
MC822P	♦MOTA	51 - 67
MC824AP	♦MOTA	119 - 20
MC824F	♦MOTA	118 -104
MC824P	♦MOTA	119 - 21
MC825F	♦MOTA	118 -105
MC825P	♦MOTA	119 - 10
MC826F	♦MOTA	51 - 65
MC826G	♦MOTA	51 - 66
MC826P	♦MOTA	51 - 74
MC827F	♦MOTA	185 - 86
MC827G	♦MOTA	185 - 87
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MC828G	♦MOTA	124 - 38
MC829F	♦MOTA	124 - 57
MC829G	♦MOTA	124 - 58
MC830F	♦MOTA	129 - 47
MC830G	♦MOTA	129 - 48
MC830L,P%	♦MOTA	129 - 49
MC832F	♦MOTA	129 - 50
MC832G	♦MOTA	129 - 51
MC832L,P%	♦MOTA	129 - 52
MC833F	♦MOTA	157 - 99
MC833G	♦MOTA	157 -100
MC833L,P%	♦MOTA	157 -101
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MC834L,P%	♦MOTA	193 - 21
MC835F	♦MOTA	193 - 40
MC835L,P%	♦MOTA	193 - 41
MC836F	♦MOTA	193 - 22
MC836L,P%	♦MOTA	193 - 23
MC837F	♦MOTA	193 - 24
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MC838F	♦MOTA	73 - 77
MC838L,P%	♦MOTA	73 - 78
MC839F	♦MOTA	85 - 94
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MC840F	♦MOTA	193 - 42
MC840L,P%	♦MOTA	193 - 43
MC841F	♦MOTA	193 - 44
MC841L,P%	♦MOTA	193 - 45
MC843G	♦MOTA	183 - 74
MC844F	♦MOTA	129 - 53
MC844G	♦MOTA	129 - 54
MC844L,P%	♦MOTA	129 - 55
MC845F	♦MOTA	66 - 31
MC845G	♦MOTA	66 - 32
MC845L,P%	♦MOTA	66 - 33
MC846F	♦MOTA	129 - 56
MC846G	♦MOTA	193 - 26
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MC850G	♦MOTA	64 - 68
MC850L,P%	♦MOTA	64 - 69
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MC851L,P%	♦MOTA	164 - 72
MC852F	♦MOTA	50 - 38
MC852L,P%	♦MOTA	50 - 39
MC853F	♦MOTA	50 - 40
MC853L,P%	♦MOTA	50 - 41
MC855F	♦MOTA	50 - 42
MC855L,P%	♦MOTA	50 - 43
MC856F	♦MOTA	50 - 44
MC856L,P%	♦MOTA	50 - 45
MC857F	♦MOTA	129 - 72
MC857L,P%	♦MOTA	129 - 73
MC858F	♦MOTA	129 - 74
MC858L,P%	♦MOTA	129 - 75
MC861F	♦MOTA	129 - 60
MC861G	♦MOTA	129 - 61
MC861L,P%	♦MOTA	129 - 62
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MC867AP	♦MOTA	250 - 68
MC867P	♦MOTA	250 - 69
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MC871F	♦MOTA	155 - 61
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MC878F	♦MOTA	67 - 91
MC878P	♦MOTA	67 - 92
MC879P	♦MOTA	62 - 85
MC880P	♦MOTA	84 - 45
MC881G	♦MOTA	123 - 10
MC882G	♦MOTA	51 - 50
MC883F	♦MOTA	66 - 71
MC883P	♦MOTA	66 - 74
MC884F	♦MOTA	66 - 77
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MC885AP	♦MOTA	158 - 91
MC885F	♦MOTA	158 - 76
MC885P	♦MOTA	158 - 92
MC886F	♦MOTA	158 - 77
MC886P	♦MOTA	158 - 83
MC887P	♦MOTA	62 - 83
MC888F	♦MOTA	123 - 14
MC888P	♦MOTA	123 - 16
MC889AP	♦MOTA	193 - 31
MC889F	♦MOTA	185 - 88
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MC890P	♦MOTA	51 - 75
MC891F	♦MOTA	51 - 64
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MC897P	♦MOTA	244 - 84
MC898F	♦MOTA	123 - 11
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MC899P	♦MOTA	185 - 76
MC900F	♦MOTA	185 - 77
MC900G	♦MOTA	185 - 78
MC901G	♦MOTA	202 - 39
MC902G	♦MOTA	64 -106
MC903F	♦MOTA	124 - 39
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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MC908G	♦MOTA	182- 92
MC909F	♦MOTA	185- 71
MC909G	♦MOTA	185- 72
MC910F	♦MOTA	124- 31
MC910G	♦MOTA	124- 32
MC911F	♦MOTA	124- 79
MC911G	♦MOTA	124- 80
MC912F	♦MOTA	182- 93
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MC918G	♦MOTA	118- 92
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MC953F	♦MOTA	50- 23
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MC1816L,P%	♦MOTA	66- 42
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MC1903F	♦MOTA	129- 97
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MC1904F	♦MOTA	129- 99
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MC1905F	♦MOTA	129-101
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MC2011L,P%	♦MOTA	147- 46
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MC2050F	♦MOTA	110- 50
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MC2051F	♦MOTA	149- 84
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MC2053F	♦MOTA	149- 86
MC2053L,P%	♦MOTA	149- 87
MC2054F	♦MOTA	110- 52
MC2054L,P%	♦MOTA	110- 53
MC2055F	♦MOTA	149- 88
MC2055L,P%	♦MOTA	149- 89
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MC2074L,P%	♦MOTA	59- 73
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MC2075L,P%	♦MOTA	63- 91
MC2076F	♦MOTA	63- 92
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MC2106F	♦MOTA	161- 43
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MC2125F	♦MOTA	63- 78
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MC2126F	♦MOTA	63- 80
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MC2151F	♦MOTA	149-100
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
MC2153L	♦MOTA	149-103	MC3063L,P%	♦MOTA	59- 35	MC3556L#2	♦MOTA	167- 33	MC5410F	♦MOTA	147- 23	MC7440F	♦MOTA	147- 42
MC2154F	♦MOTA	111- 31	MC3100F	♦MOTA	146- 83	MC4000F	♦MOTA	241-109	MC5410L	♦MOTA	147- 24	MC7440L,P%	♦MOTA	147- 43
MC2154L	♦MOTA	111- 32	MC3100L	♦MOTA	146- 84	MC4000L,P%	♦MOTA	241-110	MC5416L	♦MOTA	192- 93	MC7441AL	♦MOTA	91- 6
MC2155F	♦MOTA	149-104	MC3101F	♦MOTA	101-110	MC4001L#1	♦MOTA	90- 7	MC5417L	♦MOTA	192- 94	MC7441AP	♦MOTA	91- 7
MC2155L	♦MOTA	149-105	MC3101L	♦MOTA	102- 1	MC4001L#2	♦MOTA	88- 9	MC5420F	♦MOTA	147- 25	MC7442L	♦MOTA	92- 84
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MC2156L	♦MOTA	161- 48	MC3102L	♦MOTA	122- 48	MC4001P#2	♦MOTA	88- 10	MC5426L	♦MOTA	150- 21	MC7443L	♦MOTA	96- 66
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MC2161L	♦MOTA	146- 78	MC3104L	♦MOTA	146- 86	MC4006L,P%	♦MOTA	89- 96	MC5437L	♦MOTA	146-100	MC7445L	♦MOTA	93- 6
MC2162F	♦MOTA	110- 3	MC3105F	♦MOTA	146- 87	MC4007L	♦MOTA	89- 97	MC5438F	♦MOTA	146-101	MC7445P	♦MOTA	93- 7
MC2162L	♦MOTA	110- 4	MC3105L	♦MOTA	146- 88	MC4007P	♦MOTA	89- 98	MC5438L	♦MOTA	146-102	MC7446L	♦MOTA	95-107
MC2163F	♦MOTA	111- 33	MC3106F	♦MOTA	102- 2	MC4008F	♦MOTA	248- 38	MC5440F	♦MOTA	147- 29	MC7446P	♦MOTA	95-108
MC2163L	♦MOTA	111- 34	MC3106L	♦MOTA	102- 3	MC4008L,P%	♦MOTA	248- 39	MC5440L	♦MOTA	147- 30	MC7447L	♦MOTA	95-109
MC2165F	♦MOTA	219- 97	MC3107F	♦MOTA	131- 67	MC4010F	♦MOTA	248- 40	MC5441AL	♦MOTA	91- 5	MC7447P	♦MOTA	95-110
MC2165L	♦MOTA	219- 98	MC3107L	♦MOTA	131- 68	MC4010L,P%	♦MOTA	248- 41	MC5442L	♦MOTA	92- 83	MC7448L	♦MOTA	96- 1
MC2166F	♦MOTA	193- 67	MC3108F	♦MOTA	192- 87	MC4015L	♦MOTA	70- 9	MC5443L	♦MOTA	96- 65	MC7448P	♦MOTA	96- 2
MC2166L	♦MOTA	193- 68	MC3108L	♦MOTA	192-109	MC4015P	♦MOTA	70- 10	MC5444L	♦MOTA	97- 57	MC7449F	♦MOTA	96- 3
MC2173F	♦MOTA	59- 78	MC3109F	♦MOTA	185- 48	MC4016L	♦MOTA	85- 12	MC5445L	♦MOTA	93- 5	MC7450F	♦MOTA	110- 36
MC2173L	♦MOTA	59- 79	MC3109L	♦MOTA	192-110	MC4016P	♦MOTA	85- 13	MC5446L	♦MOTA	95-103	MC7450L,P%	♦MOTA	110- 37
MC2174F	♦MOTA	59- 80	MC3110F	♦MOTA	146- 89	MC4018L	♦MOTA	87- 23	MC5447L	♦MOTA	95-104	MC7451F	♦MOTA	110- 38
MC2174L	♦MOTA	59- 81	MC3110L	♦MOTA	146- 90	MC4018P	♦MOTA	87- 24	MC5448L	♦MOTA	95-105	MC7451L,P%	♦MOTA	110- 39
MC2175F	♦MOTA	63- 82	MC3111F	♦MOTA	102- 4	MC4021P	♦MOTA	247- 3	MC5449F	♦MOTA	95-106	MC7453F	♦MOTA	110- 40
MC2175L	♦MOTA	63- 83	MC3111L	♦MOTA	102- 5	MC4022P	♦MOTA	247- 4	MC5450F	♦MOTA	110- 28	MC7453L,P%	♦MOTA	110- 41
MC2176F	♦MOTA	63- 84	MC3112F	♦MOTA	131- 69	MC4023F	♦MOTA	86- 33	MC5450L	♦MOTA	110- 29	MC7454F	♦MOTA	110- 42
MC2176L	♦MOTA	63- 85	MC3112L	♦MOTA	131- 70	MC4023L,P%	♦MOTA	86- 34	MC5451F	♦MOTA	110- 30	MC7454L,P%	♦MOTA	110- 43
MC2178F	♦MOTA	62- 3	MC3115F	♦MOTA	146- 91	MC4024F	♦MOTA	71- 67	MC5451L	♦MOTA	110- 31	MC7460F	♦MOTA	160- 43
MC2178L	♦MOTA	62- 4	MC3115L	♦MOTA	146- 92	MC4024L,P%	♦MOTA	71- 25	MC5453F	♦MOTA	110- 32	MC7460L,P%	♦MOTA	160- 44
MC2255L	♦MOTA	203- 84	MC3116F	♦MOTA	146- 93	MC4026F	♦MOTA	181- 67	MC5453L	♦MOTA	110- 33	MC7470L,P%	♦MOTA	59- 41
MC2257L	♦MOTA	220- 5	MC3116L	♦MOTA	146- 94	MC4026L,P%	♦MOTA	181- 68	MC5454F	♦MOTA	110- 34	MC7472F	♦MOTA	59- 30
MC2259L	♦MOTA	224- 44	MC3118F	♦MOTA	160- 33	MC4027F	♦MOTA	181- 69	MC5454L	♦MOTA	110- 35	MC7472L,P%	♦MOTA	59- 31
MC2260L	♦MOTA	220- 6	MC3118L	♦MOTA	160- 34	MC4027L,P%	♦MOTA	181- 70	MC5460F	♦MOTA	160- 41	MC7473F	♦MOTA	59- 19
MC3000F	♦MOTA	146- 79	MC3119F	♦MOTA	160- 35	MC4028F	♦MOTA	181- 71	MC5460L	♦MOTA	160- 42	MC7473L,P%	♦MOTA	59- 20
MC3000L,P%	♦MOTA	146- 80	MC3119L	♦MOTA	160- 36	MC4028L,P%	♦MOTA	181- 72	MC5470L	♦MOTA	59- 40	MC7475L	♦MOTA	250- 46
MC3001F	♦MOTA	101-108	MC3120F	♦MOTA	103- 91	MC4029F	♦MOTA	181- 73	MC5472F	♦MOTA	59- 28	MC7475P	♦MOTA	250- 47
MC3001L,P%	♦MOTA	101-109	MC3120L	♦MOTA	110- 12	MC4029L,P%	♦MOTA	181- 74	MC5472L	♦MOTA	59- 29	MC7476P	♦MOTA	59- 21
MC3002F	♦MOTA	122- 45	MC3121F	♦MOTA	156- 74	MC4030F	♦MOTA	181- 75	MC5473F	♦MOTA	59- 17	MC7477F	♦MOTA	250- 48
MC3002L,P%	♦MOTA	122- 46	MC3121L	♦MOTA	156- 75	MC4030L,P%	♦MOTA	181- 76	MC5473L	♦MOTA	59- 18	MC7479F	♦MOTA	69- 89
MC3003F	♦MOTA	113- 46	MC3122F	♦MOTA	162- 8	MC4031F	♦MOTA	181- 77	MC5475L	♦MOTA	250- 44	MC7479L,P%	♦MOTA	69- 90
MC3003L,P%	♦MOTA	113- 47	MC3122L	♦MOTA	162- 9	MC4031L,P%	♦MOTA	181- 78	MC5477F	♦MOTA	250- 45	MC7480F	♦MOTA	181- 45
MC3004F	♦MOTA	146- 81	MC3123F	♦MOTA	103- 92	MC4032F	♦MOTA	251- 2	MC5479F	♦MOTA	69- 87	MC7480L,P%	♦MOTA	181- 46
MC3004L,P%	♦MOTA	146- 82	MC3123L	♦MOTA	110- 13	MC4032L,P%	♦MOTA	251- 3	MC5479L	♦MOTA	69- 88	MC7483L	♦MOTA	181- 47
MC3005F	♦MOTA	147- 49	MC3124F	♦MOTA	146- 95	MC4035F	♦MOTA	202- 98	MC5480F	♦MOTA	181- 92	MC7483P	♦MOTA	181- 48
MC3005L,P%	♦MOTA	147- 50	MC3124L	♦MOTA	146- 96	MC4035L,P%	♦MOTA	202- 99	MC5480L	♦MOTA	181- 43	MC7486F	♦MOTA	156- 78
MC3006F	♦MOTA	102- 20	MC3125F	♦MOTA	146- 97	MC4037F	♦MOTA	202-100	MC5483L	♦MOTA	181- 44	MC7486L,P%	♦MOTA	156- 79
MC3006L,P%	♦MOTA	102- 21	MC3125L	♦MOTA	146- 98	MC4037L,P%	♦MOTA	202-101	MC5486F	♦MOTA	156- 76	MC7490F	♦MOTA	84- 79
MC3007F	♦MOTA	131- 63	MC3126F	♦MOTA	102- 6	MC4038P	♦MOTA	89- 85	MC5486L	♦MOTA	156- 77	MC7490L,P%	♦MOTA	84- 80
MC3007L,P%	♦MOTA	131- 64	MC3126L	♦MOTA	102- 7	MC4040P	♦MOTA	90- 1	MC5490F	♦MOTA	84- 77	MC7492F	♦MOTA	204- 69
MC3008F	♦MOTA	192-106	MC3128F	♦MOTA	111-107	MC4041P	♦MOTA	202- 91	MC5490L	♦MOTA	84- 78	MC7492L,P%	♦MOTA	204- 70
MC3008L,P%	♦MOTA	192-107	MC3128L	♦MOTA	111-108	MC4042F	♦MOTA	202- 35	MC5492F	♦MOTA	204- 67	MC7493F	♦MOTA	81-109
MC3009F	♦MOTA	185- 47	MC3129F	♦MOTA	154- 90	MC4042L,P%	♦MOTA	202- 36	MC5492L	♦MOTA	204- 68	MC7493L,P%	♦MOTA	81-110
MC3009L,P%	♦MOTA	192-108	MC3129L	♦MOTA	154- 91	MC4043F	♦MOTA	235- 25	MC5493F	♦MOTA	81-107	MC7522L	♦MOTA	213- 82
MC3010F	♦MOTA	147- 51	MC3130F	♦MOTA	160- 37	MC4043L,P%	♦MOTA	235- 26	MC5493L	♦MOTA	81-108	MC7522P	♦MOTA	213- 83
MC3010L,P%	♦MOTA	147- 52	MC3130L	♦MOTA	160- 38	MC4044F	♦MOTA	203- 9	MC5522L	♦MOTA	213- 72	MC7523L	♦MOTA	213- 84
MC3011F	♦MOTA	102- 22	MC3131F	♦MOTA	103- 93	MC4044L,P%	♦MOTA	203- 10	MC5523L	♦MOTA	213- 73	MC7523P	♦MOTA	213- 85
MC3011L,P%	♦MOTA	102- 23	MC3131L	♦MOTA	103- 94	MC4048P	♦MOTA	89- 99	MC5524L	♦MOTA	213- 74	MC7524L	♦MOTA	213- 86
MC3012F	♦MOTA	131- 65	MC3132F	♦MOTA	110- 14	MC4050F	♦MOTA	76- 46	MC5525L	♦MOTA	213- 75	MC7524P	♦MOTA	213- 87
MC3012L,P%	♦MOTA	131- 66	MC3132L	♦MOTA	110- 15	MC4050L	♦MOTA	76- 35	MC5528L	♦MOTA	213- 76	MC7525L	♦MOTA	213- 88
MC3015F	♦MOTA	147- 53	MC3133F	♦MOTA	103- 95	MC4050P	♦MOTA	76- 36	MC5529L	♦MOTA	213- 77	MC7525P	♦MOTA	213- 89
MC3015L,P%	♦MOTA	147- 54	MC3133L	♦MOTA	110- 16	MC4051F	♦MOTA	76- 44	MC5534L	♦MOTA	213- 78	MC7528L	♦MOTA	213- 90
MC3016F	♦MOTA	147- 55	MC3134F	♦MOTA	110- 17	MC4051L	♦MOTA	76- 45	MC5535L	♦MOTA	213- 79	MC7528P	♦MOTA	213- 91
MC3016L,P%	♦MOTA	147- 56	MC3134L	♦MOTA	110- 18	MC4051P	♦MOTA	76- 37	MC5538L	♦MOTA	213- 80	MC7529L	♦MOTA	213- 92
MC3018F	♦MOTA	160- 45	MC3150F	♦MOTA	63- 66	MC4062P	♦MOTA	202- 92	MC5539L	♦MOTA	213- 81	MC7529P	♦MOTA	213- 93
MC3018L,P%	♦MOTA	160- 46	MC3150L	♦MOTA	63- 67	MC4300F	♦MOTA	242- 1	MC6860L	♦MOTA	254- 41	MC7534L	♦MOTA	213- 94
MC3019F	♦MOTA	160- 47	MC3151F	♦MOTA	63- 70	MC4300L	♦MOTA	242- 2	MC7241F	♦MOTA	156- 95	MC7534P	♦MOTA	213- 95
MC3019L,P%	♦MOTA	160- 48	MC3151L	♦MOTA	63- 71	MC4306F	♦MOTA	89- 86	MC7241L,P%	♦MOTA	156- 96	MC7535L	♦MOTA	213- 96
MC3020F	♦MOTA	103- 96	MC3152F	♦MOTA	63- 68	MC4306L	♦MOTA	89- 87	MC7242F	♦MOTA	161-105	MC7535P	♦MOTA	213- 97
MC3020L,P%	♦MOTA	110- 5	MC3152L	♦MOTA	63- 69	MC4307L	♦MOTA	89- 88	MC7242L,P%	♦MOTA	161-106	MC7538L	♦MOTA	213- 98
MC3021F	♦MOTA	156- 81	MC3153F	♦MOTA	69- 78	MC4308F	♦MOTA	248- 26	MC7250L,P%	♦MOTA	89-100	MC7538P	♦MOTA	213- 99
MC3021L,P%	♦MOTA	156- 82	MC3153L	♦MOTA	69- 79	MC4308L	♦MOTA	248- 27	MC7251L	♦MOTA	89-101	MC7539L	♦MOTA	213-100
MC3022F	♦MOTA	162- 10	MC3154F	♦MOTA	63- 62	MC4310F	♦MOTA	248- 28	MC7251P	♦MOTA	89-102	MC7539P	♦MOTA	213-101
MC3022L,P%	♦MOTA	162- 11	MC3154L	♦MOTA	63- 63	MC4310L	♦MOTA	248- 29	MC7260F	♦MOTA	245- 92	MC8241F	♦MOTA	156- 97
MC3023F	♦MOTA	103- 97	MC3155F	♦MOTA	63- 64	MC4316L	♦MOTA	85- 5	MC7260L	♦MOTA	245- 93	MC8241L	♦MOTA	157- 1
MC3023L,P%	♦MOTA	110- 6	MC3155L	♦MOTA	63- 65	MC4318L	♦MOTA	87- 16	MC7260P	♦MOTA	245- 94	MC8242F	♦MOTA	161-107
MC3024F	♦MOTA	147- 57	MC3160F	♦MOTA	69- 85	MC4324F	♦MOTA	71- 66	MC7261F	♦MOTA	203- 12	MC8242L	♦MOTA	161-108
MC3024L,P%	♦MOTA	147- 58	MC3160L	♦MOTA	69- 86	MC4324L	♦MOTA	71- 24	MC7261L,P%	♦MOTA	203- 13	MC8250L	♦MOTA	89-103
MC3025F	♦MOTA	147- 59	MC3161F	♦MOTA	59- 42	MC4326F	♦MOTA	181- 79	MC7266F	♦MOTA	242- 97	MC8251L	♦MOTA	89-104
MC3025L,P%	♦MOTA	147- 60	MC3161L	♦MOTA	59- 43	MC4326L	♦MOTA	181- 80	MC7266L	♦MOTA	242- 98	MC8260F	♦MOTA	245- 95
MC3026F	♦MOTA	102- 24	MC3162F	♦MOTA	59- 44	MC4327F	♦MOTA	181- 81	MC7266P	♦MOTA	242- 99	MC8260L	♦MOTA	245- 96
MC3026L,P%	♦MOTA	102- 25	MC3162L	♦MOTA	59- 45	MC4327L	♦MOTA	181- 82	MC7267F	♦MOTA	242-100	MC8261F	♦MOTA	203- 14
MC3028F	♦MOTA	111-109	MC3163F	♦MOTA	59- 36	MC4328F	♦MOTA	181- 83	MC7267L	♦MOTA	242-101	MC8261L	♦MOTA	203- 15
MC3028L,P%	♦MOTA	111-110	MC3163L	♦MOTA	59- 37	MC4328L	♦MOTA	181- 84	MC7267P	♦MOTA	242-102	MC8266F	♦MOTA	242-103
MC3029F	♦MOTA	154- 92	MC3302P	♦MOTA	246- 19	MC4329F	♦MOTA	181- 85	MC7280F	♦MOTA	84-105	MC8266L	♦MOTA	242-104
MC3029L,P%	♦MOTA	154- 93	MC3380P	♦MOTA	71- 56	MC4329L	♦MOTA	181- 86	MC7280L,P%	♦MOTA	84-106	MC8267F	♦MOTA	234- 90
MC3030F	♦MOTA	160- 49	MC3437L	♦MOTA	223- 27	MC4330F	♦MOTA	181- 87	MC7281F	♦MOTA	82- 47	MC8267L	♦MOTA	234- 91
MC3030L,P%	♦MOTA	160- 50	MC3437P	♦MOTA	223- 28	MC4330L	♦MOTA	181- 88	MC7281L,P%	♦MOTA	82- 48	MC8280F	♦MOTA	84-107
MC3031F	♦MOTA	103- 98	MC3438L#1	♦MOTA	218- 44	MC4331F	♦MOTA	181- 89	MC7400F	♦MOTA	147- 31	MC8280L	♦MOTA	84-108
MC3031L,P%	♦MOTA	103- 89	MC3438L#2	♦MOTA	223- 29	MC4331L	♦MOTA	181- 90	MC7400L,P%	♦MOTA	147- 32	MC8281F	♦MOTA	82- 49
MC3032F	♦MOTA	110- 7	MC3438P#1	♦MOTA	218- 45	MC4332F	♦MOTA	251- 4	MC7401F	♦MOTA	147- 33	MC8281L	♦MOTA	82- 50
MC3032L,P%	♦MOTA	110- 8	MC3438P#2	♦MOTA	223- 30	MC4332L	♦MOTA	251- 5	MC7401L,P%	♦MOTA	147- 34	MC8301F	♦MOTA	92- 86
MC3033F	♦MOTA	103- 90	MC3440P	♦MOTA	221- 87	MC4335F	♦MOTA	202-102	MC7402F	♦MOTA	122- 53	MC8301L	♦MOTA	92- 87
MC3033L,P%	♦MOTA	110- 9	MC3441P	♦MOTA	221- 88	MC4335L	♦MOTA	202-103	MC7402L,P%	♦MOTA	122- 54	MC8301P	♦MOTA	92- 88
MC3034F	♦MOTA	110- 10	MC3443P	♦MOTA	221- 89	MC4337F	♦MOTA	202-104	MC7403L,P%	♦MOTA	147- 35	MC8304F	♦MOTA	181- 49
MC3034L,P%	♦MOTA	110- 11	MC3450L	♦MOTA	223- 31	MC4337L	♦MOTA	202-105	MC7404F	♦MOTA	192- 95	MC8304L	♦MOTA	181- 50
MC3050F	♦MOTA	63- 72	MC3450P	♦MOTA	223- 32	MC4344F	♦MOTA	202-106	MC7404L,P%	♦MOTA	192- 96	MC8304P	♦MOTA	181- 51
MC3050L,P%	♦MOTA	63- 73	MC3452L	♦MOTA	223- 33	MC4344L	♦MOTA	202-107	MC7405L,P%	♦MOTA	192- 97	MC8306L	♦MOTA	84- 74
MC3051F	♦MOTA	63- 76	MC3452P	♦MOTA	223- 34	MC4350F	♦MOTA	76- 47	MC7406L,P%	♦MOTA	192- 98	MC8306P	♦MOTA	84- 75
MC3051L,P%	♦MOTA	63- 77	MC3453L	♦MOTA	218- 46	MC4350L	♦MOTA	76- 38	MC7407L,P%	♦MOTA	192- 99	MC8307F	♦MOTA	96- 7
MC3052F	♦MOTA	63- 74	MC3453P	♦MOTA	218- 47	MC5400F	♦MOTA	147- 18	MC7408L,P%	♦MOTA	102- 9	MC8307L	♦MOTA	96- 8
MC3052L,P%	♦MOTA	63- 75	MC3456L#1	♦MOTA	71- 68	MC5400L	♦MOTA	147- 19	MC7409L,P%	♦MOTA	98- 95	MC8307P	♦MOTA	96- 9
MC3053F	♦MOTA	70- 5	MC3456L#2	♦MOTA	167- 25	MC5401F	♦MOTA	147- 20	MC7410F	♦MOTA	147- 36	MC8308F	♦MOTA	248- 95
MC3053L,P%	♦MOTA	70- 6	MC3456P#1	♦MOTA	71- 69	MC5401L	♦MOTA	147- 21	MC7410L,P%	♦MOTA	147- 37	MC8308L	♦MOTA	248- 96
MC3054F	♦MOTA	63- 58	MC3456P#2	♦MOTA	167- 26	MC5402F	♦MOTA	122- 51	MC7416L,P%	♦MOTA	192-100	MC8308P	♦MOTA	248- 97
MC3054L,P%	♦MOTA	63- 59	MC3459L,P%	♦MOTA	218- 48	MC5402L	♦MOTA	122- 52	MC7417L,P%	♦MOTA	192-101	MC8309F	♦MOTA	242- 3
MC3055F	♦MOTA	63- 60	MC3460L	♦MOTA	225- 48	MC5403L	♦MOTA	147- 22	MC7420F	♦MOTA	147- 38	MC8309L	♦MOTA	242- 4
MC3055L,P%	♦MOTA	63- 61	MC3460P	♦MOTA	225- 49	MC5404F	♦MOTA	192- 88	MC7420L,P%	♦MOTA	147- 39	MC8309P	♦MOTA	242- 5
MC3060F	♦MOTA	70- 7	MC3461L	♦MOTA	212- 83	MC5404L	♦MOTA	192- 89	MC7426L,P%	♦MOTA	150- 22	MC8310F	♦MOTA	84- 51
MC3060L,P%	♦MOTA	70- 8	MC3466L	♦MOTA	225- 50	MC5405F	♦MOTA	185- 49	MC7430F	♦MOTA	147- 40	MC8310L	♦MOTA	84- 52
MC3061F	♦MOTA	59- 82	MC3466P	♦MOTA	225- 51	MC5405L	♦MOTA	192- 90	MC7430L,P%	♦MOTA	147- 41	MC8310P	♦MOTA	84- 53
MC3061L,P%	♦MOTA	59- 83	MC3490P	♦MOTA	201- 32	MC5406L	♦MOTA	192- 91	MC7437F	♦MOTA	146-103	MC8311F	♦MOTA	93- 24
MC3062F	♦MOTA	59- 84	MC3491P	♦MOTA	200- 91	MC5407L	♦MOTA	192- 92	MC7437L,P%	♦MOTA	146-104	MC8311L	♦MOTA	93- 25
MC3062L,P%	♦MOTA	59- 85	MC3494P	♦MOTA	200- 7	MC5408L	♦MOTA	102- 8	MC7438F	♦MOTA	146-105	MC8311P	♦MOTA	93- 26
MC3063F	♦MOTA	59- 34	MC3556L#1	♦MOTA	71- 70	MC5409L	♦MOTA	98- 94	MC7438L,P%	♦MOTA	146-106	MC8312F	♦MOTA	242- 76

△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line
MC8312L	♦MOTA	242 - 77
MC8312P	♦MOTA	242 - 78
MC8314F	♦MOTA	250 - 49
MC8314L	♦MOTA	250 - 50
MC8314P	♦MOTA	250 - 51
MC8316F	♦MOTA	84 - 54
MC8316L	♦MOTA	84 - 55
MC8316P	♦MOTA	84 - 56
MC8318F	♦MOTA	251 - 45
MC8318L	♦MOTA	251 - 46
MC8318P	♦MOTA	251 - 47
MC8322F	♦MOTA	242 - 6
MC8322L	♦MOTA	242 - 7
MC8322P	♦MOTA	242 - 8
MC8324F	♦MOTA	246 -108
MC8324L	♦MOTA	246 -109
MC8324P	♦MOTA	246 -110
MC8345L	♦MOTA	93 - 8
MC8345P	♦MOTA	93 - 9
MC8352L	♦MOTA	92 - 89
MC8352P	♦MOTA	92 - 90
MC8353L	♦MOTA	96 - 68
MC8353P	♦MOTA	96 - 69
MC8354L	♦MOTA	97 - 60
MC8354P	♦MOTA	97 - 61
MC8358L	♦MOTA	96 - 4
MC8358P	♦MOTA	96 - 5
MC8359F	♦MOTA	94 - 22
MC8375L	♦MOTA	250 - 52
MC8375P	♦MOTA	250 - 53
MC8377F	♦MOTA	250 - 54
MC8380F	♦MOTA	181 - 52
MC8380L,P%	♦MOTA	181 - 53
MC8383L	♦MOTA	181 - 54
MC8383P	♦MOTA	181 - 55
MC8390F	♦MOTA	84 - 81
MC8390L,P%	♦MOTA	84 - 82
MC8392F	♦MOTA	204 - 71
MC8392L,P%	♦MOTA	204 - 72
MC8503P	♦MOTA	203 - 4
MC8504P	♦MOTA	202 - 69
MC8505P	♦MOTA	226 - 80
MC8506P	♦MOTA	203 - 8
MC8601F	♦MOTA	165 - 52
MC8601L,P%	♦MOTA	165 - 53
MC8602F	♦MOTA	166 - 89
MC8602L	♦MOTA	166 - 90
MC8602P	♦MOTA	166 - 91
MC8603F	♦MOTA	166 - 92
MC8603L,P%	♦MOTA	166 - 93
MC9301F	♦MOTA	92 - 91
MC9301L	♦MOTA	92 - 92
MC9304F	♦MOTA	181 - 56
MC9304L	♦MOTA	181 - 57
MC9306L	♦MOTA	84 - 76
MC9307F	♦MOTA	96 - 10
MC9307L	♦MOTA	96 - 11
MC9308F	♦MOTA	248 - 98
MC9308L	♦MOTA	250 - 55
MC9309F	♦MOTA	242 - 9
MC9309L	♦MOTA	242 - 10
MC9310F	♦MOTA	84 - 47
MC9310L	♦MOTA	84 - 48
MC9311F	♦MOTA	93 - 27
MC9311L	♦MOTA	93 - 28
MC9312F	♦MOTA	242 - 11
MC9312L	♦MOTA	242 - 12
MC9314F	♦MOTA	250 - 56
MC9314L	♦MOTA	250 - 57
MC9316F	♦MOTA	84 - 49
MC9316L	♦MOTA	84 - 50
MC9318F	♦MOTA	251 - 48
MC9318L	♦MOTA	251 - 49
MC9322F	♦MOTA	242 - 13
MC9322L	♦MOTA	242 - 14
MC9324F	♦MOTA	247 - 1
MC9324L	♦MOTA	247 - 2
MC9345L	♦MOTA	93 - 10
MC9352L	♦MOTA	92 - 93
MC9353L	♦MOTA	96 - 70
MC9354L	♦MOTA	97 - 62
MC9358L	♦MOTA	96 - 6
MC9359F	♦MOTA	94 - 23
MC9375L	♦MOTA	250 - 58
MC9377F	♦MOTA	250 - 59
MC9380F	♦MOTA	181 - 58
MC9380L	♦MOTA	181 - 59
MC9383L	♦MOTA	181 - 60
MC9390F	♦MOTA	84 - 83
MC9390L	♦MOTA	84 - 84
MC9392F	♦MOTA	204 - 73
MC9392L	♦MOTA	204 - 74
MC9601F	♦MOTA	165 - 26
MC9601L	♦MOTA	165 - 27
MC9602F	♦MOTA	166 - 69
MC9602L	♦MOTA	166 - 70
MC9603F	♦MOTA	166 - 71
MC9603L	♦MOTA	166 - 72
MC9701P	♦MOTA	234 -106
MC9702P	♦MOTA	51 - 35
MC9704P	♦MOTA	179 - 52
MC9707P	♦MOTA	234 - 92
MC9709P	♦MOTA	197 - 66
MC9713P	♦MOTA	98 - 89
MC9714P	♦MOTA	131 - 38
MC9715P	♦MOTA	112 - 84
MC9718P	♦MOTA	185 - 92
MC9719AP	♦MOTA	158 - 93
MC9719F	♦MOTA	158 - 80
MC9719P	♦MOTA	158 - 94
MC9720P	♦MOTA	158 - 63
MC9721F	♦MOTA	158 - 81
MC9721P	♦MOTA	158 - 82
MC9722P	♦MOTA	51 - 36
MC9723P	♦MOTA	98 - 87
MC9724P	♦MOTA	131 - 40
MC9725P	♦MOTA	112 - 86
MC9801P	♦MOTA	234 -107
MC9802P	♦MOTA	51 - 37
MC9804P	♦MOTA	179 - 53
MC9807P	♦MOTA	234 - 93
MC9809P	♦MOTA	197 - 67
MC9813P	♦MOTA	98 - 90
MC9814P	♦MOTA	131 - 39
MC9815P	♦MOTA	112 - 85
MC9818P	♦MOTA	185 - 75
MC9819AP	♦MOTA	158 - 95
MC9819F	♦MOTA	158 - 78
MC9819P	♦MOTA	158 - 96
MC9820P	♦MOTA	158 - 64
MC9821F	♦MOTA	158 - 71
MC9821P	♦MOTA	158 - 72
MC9822P	♦MOTA	51 - 38
MC9823P	♦MOTA	98 - 88
MC9824P	♦MOTA	131 - 41
MC9825P	♦MOTA	112 - 87
MC9919F	♦MOTA	158 - 75
MC9921F	♦MOTA	158 - 68
MC10100L	♦MOTA	118 - 57
MC10100P	♦MOTA	118 - 58
MC10101L	♦MOTA	115 - 1
MC10101P	♦MOTA	115 - 2
MC10102L	♦MOTA	118 - 59
MC10102P	♦MOTA	118 - 60
MC10103L	♦MOTA	115 - 72
MC10103P	♦MOTA	115 - 73
MC10104L	♦MOTA	98 - 82
MC10104P	♦MOTA	98 - 83
MC10105L	♦MOTA	115 - 3
MC10105P	♦MOTA	115 - 4
MC10106L	♦MOTA	118 - 61
MC10106P	♦MOTA	118 - 62
MC10107L	♦MOTA	157 - 40
MC10107P	♦MOTA	157 - 41
MC10109L	♦MOTA	115 - 5
MC10109P	♦MOTA	115 - 6
MC10110L	♦MOTA	112 - 74
MC10110P	♦MOTA	112 - 75
MC10111L	♦MOTA	118 - 63
MC10111P	♦MOTA	118 - 64
MC10113L	♦MOTA	155 - 52
MC10113P	♦MOTA	155 - 53
MC10114L	♦MOTA	220 - 74
MC10114P	♦MOTA	220 - 75
MC10115L	♦MOTA	220 - 76
MC10115P	♦MOTA	220 - 77
MC10116L	♦MOTA	220 - 78
MC10116P	♦MOTA	220 - 79
MC10117L	♦MOTA	114 - 77
MC10117P	♦MOTA	114 - 78
MC10118L	♦MOTA	114 - 64
MC10118P	♦MOTA	114 - 65
MC10119L	♦MOTA	114 - 66
MC10119P	♦MOTA	114 - 67
MC10121L	♦MOTA	114 - 79
MC10121P	♦MOTA	114 - 80
MC10123L	♦MOTA	217 - 36
MC10123P	♦MOTA	217 - 37
MC10124L	♦MOTA	196 - 2
MC10124P	♦MOTA	196 - 3
MC10125L	♦MOTA	196 - 35
MC10125P	♦MOTA	196 - 36
MC10128L	♦MOTA	219 - 45
MC10129L	♦MOTA	220 - 80
MC10130L	♦MOTA	248 - 77
MC10130P	♦MOTA	248 - 78
MC10131L	♦MOTA	67 - 70
MC10131P	♦MOTA	67 - 71
MC10132L	♦MOTA	235 - 51
MC10132P	♦MOTA	235 - 52
MC10133L	♦MOTA	248 - 79
MC10133P	♦MOTA	248 - 80
MC10134L	♦MOTA	235 - 53
MC10134P	♦MOTA	235 - 54
MC10135L	♦MOTA	51 - 23
MC10135P	♦MOTA	51 - 24
MC10136L	♦MOTA	86 - 78
MC10136P	♦MOTA	86 - 79
MC10137L	♦MOTA	84 - 41
MC10137P	♦MOTA	84 - 42
MC10138L	♦MOTA	86 - 14
MC10138P	♦MOTA	86 - 15
MC10153L	♦MOTA	248 - 81
MC10158L	♦MOTA	235 - 55
MC10159L	♦MOTA	235 - 56
MC10160L	♦MOTA	247 - 59
MC10160P	♦MOTA	247 - 60
MC10161L	♦MOTA	88 - 88
MC10161P	♦MOTA	88 - 89
MC10162L	♦MOTA	88 - 90
MC10162P	♦MOTA	88 - 91
MC10163L	♦MOTA	202 - 49
MC10164L	♦MOTA	235 - 57
MC10164P	♦MOTA	235 - 58
MC10165L	♦MOTA	251 - 7
MC10165P	♦MOTA	251 - 8
MC10166L	♦MOTA	246 - 24
MC10168L	♦MOTA	248 - 82
MC10170L	♦MOTA	247 - 61
MC10171L	♦MOTA	88 - 92
MC10171P	♦MOTA	88 - 93
MC10172L	♦MOTA	88 - 94
MC10172P	♦MOTA	88 - 95
MC10173L	♦MOTA	235 - 59
MC10173P	♦MOTA	235 - 60
MC10174L	♦MOTA	235 - 61
MC10174P	♦MOTA	235 - 62
MC10177L	♦MOTA	184 - 38
MC10178L	♦MOTA	79 - 66
MC10178P	♦MOTA	79 - 67
MC10179L	♦MOTA	252 - 47
MC10179P	♦MOTA	252 - 48
MC10180L	♦MOTA	244 -101
MC10180P	♦MOTA	244 -102
MC10181L	♦MOTA	244 -103
MC10181P	♦MOTA	244 -104
MC10182L	♦MOTA	244 -105
MC10183L	♦MOTA	233 - 82
MC10190L	♦MOTA	202 - 50
MC10191L	♦MOTA	202 - 38
MC10193L	♦MOTA	202 - 51
MC10194L#1	♦MOTA	217 - 35
MC10194L#2	♦MOTA	220 - 81
MC10195L	♦MOTA	185 - 93
MC10197L	♦MOTA	98 - 84
MC10210L	♦MOTA	112 - 76
MC10210P	♦MOTA	112 - 77
MC10211L	♦MOTA	118 - 65
MC10211P	♦MOTA	118 - 66
MC10212L	♦MOTA	115 - 7
MC10212P	♦MOTA	115 - 8
MC10216L	♦MOTA	220 - 82
MC10216P	♦MOTA	220 - 83
MC10231L	♦MOTA	67 - 74
MC10231P	♦MOTA	67 - 75
MC10287L	♦MOTA	233 - 83
MC10501F	♦MOTA	114 -102
MC10501L	♦MOTA	114 -103
MC10502F	♦MOTA	118 - 50
MC10502L	♦MOTA	118 - 51
MC10504F	♦MOTA	98 - 80
MC10504L	♦MOTA	98 - 81
MC10505F	♦MOTA	114 -104
MC10505L	♦MOTA	114 -105
MC10506F	♦MOTA	118 - 52
MC10506L	♦MOTA	118 - 53
MC10507F	♦MOTA	157 - 38
MC10507L	♦MOTA	157 - 39
MC10509F	♦MOTA	114 -106
MC10509L	♦MOTA	114 -107
MC10514F	♦MOTA	220 - 58
MC10514L	♦MOTA	220 - 59
MC10515F	♦MOTA	220 - 60
MC10515L	♦MOTA	220 - 61
MC10516F	♦MOTA	220 - 62
MC10516L	♦MOTA	220 - 63
MC10517F	♦MOTA	114 - 75
MC10517L	♦MOTA	114 - 76
MC10518F	♦MOTA	114 - 58
MC10518L	♦MOTA	114 - 59
MC10519F	♦MOTA	114 - 60
MC10519L	♦MOTA	114 - 61
MC10521F	♦MOTA	114 - 62
MC10521L	♦MOTA	114 - 63
MC10523F	♦MOTA	217 - 34
MC10524F	♦MOTA	195 -109
MC10524L	♦MOTA	195 -110
MC10525F	♦MOTA	196 - 37
MC10525L	♦MOTA	196 - 38
MC10530F	♦MOTA	248 - 71
MC10530L	♦MOTA	248 - 72
MC10531F	♦MOTA	67 - 64
MC10531L	♦MOTA	67 - 65
MC10533F	♦MOTA	248 - 73
MC10533L	♦MOTA	248 - 74
MC10535F	♦MOTA	51 - 20
MC10535L	♦MOTA	51 - 21
MC10537F	♦MOTA	84 - 39
MC10537L	♦MOTA	84 - 40
MC10560F	♦MOTA	247 - 55
MC10560L	♦MOTA	247 - 56
MC10561F	♦MOTA	88 - 80
MC10561L	♦MOTA	88 - 81
MC10562F	♦MOTA	88 - 82
MC10562L	♦MOTA	88 - 83
MC10564F	♦MOTA	235 - 43
MC10564L	♦MOTA	235 - 44
MC10571F	♦MOTA	88 - 84
MC10571L	♦MOTA	88 - 85
MC10572F	♦MOTA	88 - 86
MC10572L	♦MOTA	88 - 87
MC10574F	♦MOTA	235 - 45
MC10574L	♦MOTA	235 - 46
MC10579F	♦MOTA	252 - 43
MC10579L	♦MOTA	252 - 44
MC10580F	♦MOTA	244 - 96
MC10580L	♦MOTA	244 - 97
MC10581F	♦MOTA	244 - 98
MC10581L	♦MOTA	244 - 99
MC10616F	♦MOTA	220 - 64
MC10616L	♦MOTA	220 - 65
MC10631F	♦MOTA	67 - 66
MC10631L	♦MOTA	67 - 67
MC12000L#1	♦MOTA	203 - 49
MC12000L#2	♦MOTA	202 - 55
MC12012L#1	♦MOTA	202 - 54
MC12012L#2	♦MOTA	203 - 52
MC12013L#1	♦MOTA	184 -107
MC12013L#2	♦MOTA	185 - 9
MC12013L#3	♦MOTA	184 - 53
MC12013L#4	♦MOTA	184 - 36
MC12013P#1	♦MOTA	205 - 7
MC12013P#2	♦MOTA	205 - 19
MC12013P#3	♦MOTA	204 - 88
MC12013P#4	♦MOTA	204 - 78
MC12014L	♦MOTA	203 - 5
MC12020L,P	♦MOTA	203 - 6
MC12021L	♦MOTA	242 - 85
MC12021P	♦MOTA	242 - 86
MC12040L#1	♦MOTA	202 - 52
MC12040L#2	♦MOTA	203 - 50
MC12040P#1	♦MOTA	202 - 53
MC12040P#2	♦MOTA	203 - 51
MC12060L	♦MOTA	71 -102
MC12060P	♦MOTA	71 -103
MC12061L	♦MOTA	71 -105
MC12061P	♦MOTA	71 -106
MC12513L#1	♦MOTA	183 - 55
MC12513L#2	♦MOTA	185 - 8
MC12513L#3	♦MOTA	184 - 54
MC12513L#4	♦MOTA	184 - 37
MC12513P#1	♦MOTA	204 - 51
MC12513P#2	♦MOTA	205 - 18
MC12513P#3	♦MOTA	204 - 89
MC12513P#4	♦MOTA	204 - 79
MC12520L	♦MOTA	203 - 7
MC12521L	♦MOTA	242 - 87
MC12540L#1	♦MOTA	202 - 48
MC12540L#2	♦MOTA	203 - 53
MC12560L	♦MOTA	71 -104
MC12561L	♦MOTA	71 -107
MC12663L,P%	♦MOTA	50 -100
MC14000AL	♦MOTA	116 - 65
MC14000CL,P%	♦MOTA	116 - 66
MC14001AL	♦MOTA	116 - 67
MC14001CL,P%	♦MOTA	116 - 68
MC14002AL	♦MOTA	116 - 69
MC14002CL,P%	♦MOTA	116 - 70
MC14007AL	♦MOTA	194 - 25
MC14007CL,P%	♦MOTA	194 - 26
MC14008AL	♦MOTA	182 - 28
MC14008CL	♦MOTA	182 - 29
MC14008CP	♦MOTA	182 - 30
MC14009AL	♦MOTA	194 - 27
MC14009CL	♦MOTA	194 - 28
MC14009CP	♦MOTA	194 - 29
MC14010AL	♦MOTA	194 - 30
MC14010CL	♦MOTA	194 - 31
MC14010CP	♦MOTA	194 - 32
MC14011AL	♦MOTA	125 - 92
MC14011CL,P%	♦MOTA	126 - 1
MC14012AL	♦MOTA	126 - 2
MC14012CL,P%	♦MOTA	126 - 3
MC14013AL	♦MOTA	67 - 15
MC14013CL,P%	♦MOTA	67 - 16
MC14016AL	♦MOTA	244 - 17
MC14016CL,P%	♦MOTA	244 - 18
MC14017AL	♦MOTA	204 -106
MC14017CL	♦MOTA	204 -107
MC14017CP	♦MOTA	204 -108
MC14020AL	♦MOTA	78 - 93
MC14020CL	♦MOTA	78 - 94
MC14020CP	♦MOTA	78 - 95
MC14022AL	♦MOTA	85 - 57
MC14022CL	♦MOTA	85 - 58
MC14022CP	♦MOTA	85 - 59
MC14023AL	♦MOTA	126 - 4
MC14023CL,P%	♦MOTA	126 - 5
MC14024AL	♦MOTA	78 - 44
MC14024CL,P%	♦MOTA	78 - 43
MC14025AL	♦MOTA	116 - 71
MC14025CL,P%	♦MOTA	116 - 72
MC14027AL	♦MOTA	48 - 56
MC14027CL	♦MOTA	48 - 57
MC14027CP	♦MOTA	48 - 58
MC14028AL#1	♦MOTA	90 - 53
MC14028AL#2	♦MOTA	88 - 16
MC14028CL#1	♦MOTA	90 - 54
MC14028CL#2	♦MOTA	88 - 17
MC14028CP#1	♦MOTA	90 - 55
MC14028CP#2	♦MOTA	88 - 18
MC14032AL	♦MOTA	182 - 49
MC14032CL	♦MOTA	182 - 50
MC14032CP	♦MOTA	182 - 51
MC14038AL	♦MOTA	182 - 52
MC14038CL	♦MOTA	182 - 53
MC14038CP	♦MOTA	182 - 54
MC14040AL	♦MOTA	78 - 96
MC14040CL	♦MOTA	78 - 97
MC14040CP	♦MOTA	78 - 98
MC14042AL	♦MOTA	250 - 83
MC14042CL	♦MOTA	250 - 84
MC14042CP	♦MOTA	250 - 85
MC14049AL	♦MOTA	194 -103
MC14049CL	♦MOTA	194 -104
MC14049CP	♦MOTA	194 -105
MC14050AL	♦MOTA	194 -106
MC14050CL	♦MOTA	194 -107
MC14050CP	♦MOTA	194 -108
MC14071AL	♦MOTA	112 - 6
MC14071CL,P%	♦MOTA	112 - 7
MC14081AL	♦MOTA	98 - 13
MC14081CL,P%	♦MOTA	98 - 14
MC14410L	♦MOTA	251 - 63
MC14410P	♦MOTA	251 - 64
MC14411L	♦MOTA	204 - 75
MC14411P	♦MOTA	204 - 76
MC14412FL	♦MOTA	254 - 44
MC14412VL	♦MOTA	254 - 45
MC14415EFL	♦MOTA	167 - 70
MC14415EVL	♦MOTA	167 - 67
MC14415FL	♦MOTA	167 - 71
MC14415FP	♦MOTA	167 - 72
MC14415VL	♦MOTA	167 - 68
MC14415VP	♦MOTA	167 - 69
MC14419L	♦MOTA	250 -106
MC14419P	♦MOTA	250 -107
MC14435EFL	♦MOTA	172 - 60
MC14435EVL	♦MOTA	172 - 61
MC14435FL	♦MOTA	172 - 62
MC14435FP	♦MOTA	172 - 63
MC14435VL	♦MOTA	172 - 56
MC14435VP	♦MOTA	172 - 57
MC14440L	♦MOTA	254 - 89
MC14440Z	♦MOTA	254 - 90
MC14450L	♦MOTA	204 - 60
MC14450P	♦MOTA	203 - 51
MC14451L	♦MOTA	204 - 57
MC14451P	♦MOTA	204 - 58
MC14490EFL	♦MOTA	203 - 66
MC14490EVL	♦MOTA	203 - 56
MC14490FL	♦MOTA	203 - 67
MC14490FP	♦MOTA	203 - 68
MC14490VL	♦MOTA	203 - 57
MC14490VP	♦MOTA	203 - 58
MC14501AL	♦MOTA	150 - 67
MC14501CL	♦MOTA	150 - 68
MC14501CP	♦MOTA	150 - 69
MC14502AL	♦MOTA	194 -109
MC14502CL	♦MOTA	194 -110
MC14502CP	♦MOTA	195 - 1
MC14506AL	♦MOTA	104 - 17
MC14506CL	♦MOTA	104 - 18
MC14506CP	♦MOTA	104 - 19
MC14507AL	♦MOTA	154 -103
MC14507CL,P%	♦MOTA	154 -104
MC14508AL	♦MOTA	250 - 72
MC14508CL	♦MOTA	250 - 73
MC14508CP	♦MOTA	250 - 74
MC14510AL	♦MOTA	73 - 33
MC14510CL	♦MOTA	73 - 34
MC14510CP	♦MOTA	73 - 35
MC14511AL	♦MOTA	93 - 99
MC14511CL	♦MOTA	93 -100
MC14511CP	♦MOTA	93 -101
MC14512AL	♦MOTA	244 - 19
MC14512CL	♦MOTA	244 - 20
MC14512CP	♦MOTA	244 - 21
MC14514AL	♦MOTA	88 - 50
MC14514CL	♦MOTA	88 - 51
MC14514CP	♦MOTA	88 - 52
MC14515AL	♦MOTA	88 - 53
MC14515CL	♦MOTA	88 - 54
MC14516AL	♦MOTA	73 - 36
MC14516CL	♦MOTA	73 - 37
MC14516CP	♦MOTA	73 - 38
MC14518AL	♦MOTA	73 - 39
MC14518CL	♦MOTA	73 - 40
MC14518CP	♦MOTA	73 - 41
MC14519AL#1	♦MOTA	244 - 22
MC14519AL#2	♦MOTA	161 - 95
MC14519AL#3	♦MOTA	161 - 96
MC14519CL#1	♦MOTA	244 - 23
MC14519CL#2	♦MOTA	161 - 97
MC14519CL#3	♦MOTA	161 - 98
MC14519CP#1	♦MOTA	244 - 24
MC14519CP#2	♦MOTA	161 - 99
MC14519CP#3	♦MOTA	161 -100
MC14520AL	♦MOTA	78 - 55
MC14520CL	♦MOTA	78 - 56
MC14520CP	♦MOTA	78 - 57
MC14521AL	♦MOTA	204 -109
MC14521CL	♦MOTA	204 -110
MC14521CP	♦MOTA	205 - 1
MC14522AL	♦MOTA	73 - 16
MC14522CL	♦MOTA	73 - 17
MC14522CP	♦MOTA	73 - 18
MC14526AL	♦MOTA	78 - 51
MC14526CL	♦MOTA	78 - 52
MC14526CP	♦MOTA	78 - 53
MC14527AL	♦MOTA	234 - 60
MC14527CL	♦MOTA	234 - 61
MC14527CP	♦MOTA	234 - 62
MC14528AL	♦MOTA	164 - 27
MC14528CL	♦MOTA	164 - 28
MC14528CP	♦MOTA	164 - 29
MC14529AL	♦MOTA	244 - 34
MC14529CL	♦MOTA	244 - 35
MC14529CP	♦MOTA	244 - 36
MC14530AL	♦MOTA	203 - 69
MC14530CL	♦MOTA	203 - 70
MC14530CP	♦MOTA	203 - 71
MC14531AL	♦MOTA	248 - 48
MC14531CL	♦MOTA	248 - 49
MC14531CP	♦MOTA	248 - 50
MC14532AL	♦MOTA	251 - 65
MC14532CL	♦MOTA	251 - 66
MC14532CP	♦MOTA	251 - 67
MC14534AL	♦MOTA	84 - 22
MC14534CL	♦MOTA	84 - 20
MC14534CP	♦MOTA	84 - 21
MC14536AL	♦MOTA	86 - 56
MC14536CL	♦MOTA	86 - 57
MC14536CP	♦MOTA	86 - 58
MC14539AL	♦MOTA	244 - 25
MC14539CL	♦MOTA	244 - 26
MC14539CP	♦MOTA	244 - 27
MC14541AL	♦MOTA	167 - 73
MC14541CL	♦MOTA	167 - 74
MC14541CP	♦MOTA	167 - 75
MC14543AL	♦MOTA	93 -109
MC14543CL	♦MOTA	93 -110
MC14543CP	♦MOTA	94 - 1
MC14553AL	♦MOTA	73 - 19
MC14553CL	♦MOTA	73 - 20
MC14553CP	♦MOTA	73 - 21
MC14554AL	♦MOTA	234 - 41
MC14554CL	♦MOTA	234 - 42
MC14554CP	♦MOTA	234 - 43
MC14555AL	♦MOTA	244 - 28
MC14555CL	♦MOTA	244 - 29
MC14555CP	♦MOTA	244 - 30
MC14556AL	♦MOTA	244 - 31
MC14556CL	♦MOTA	244 - 32
MC14556CP	♦MOTA	244 - 33
MC14558AL	♦MOTA	94 - 2
MC14558CL	♦MOTA	94 - 3
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MC14560CL	♦MOTA	182 - 42
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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IN TYPE NUMBER SEQUENCE

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MC14566CL	♦MOTA	203 - 73
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MC14570AL	♦MOTA	112 - 8
MC14570CL,P%	♦MOTA	112 - 9
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MC14572CL	♦MOTA	195 - 3
MC14572CP	♦MOTA	195 - 4
MC14581AL	♦MOTA	246 - 1
MC14581CL	♦MOTA	246 - 2
MC14582AL	♦MOTA	252 -106
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MC14582CP	♦MOTA	253 - 2
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MC14583CL	♦MOTA	198 -108
MC14583CP	♦MOTA	198 -109
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MC14585CL	♦MOTA	247 - 39
MC14585CP	♦MOTA	247 - 40
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MC17482F	♦MOTA	180 - 30
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MC54150L	♦MOTA	242 - 15
MC54151L	♦MOTA	242 - 16
MC54152F	♦MOTA	242 - 17
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MC54153L	♦MOTA	242 - 20
MC54155F	♦MOTA	242 - 21
MC54155L	♦MOTA	242 - 22
MC54156F	♦MOTA	242 - 23
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MC54177F	♦MOTA	203 - 2
MC54177L	♦MOTA	203 - 3
MC54180L	♦MOTA	248 - 30
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MC54181L	♦MOTA	245 - 86
MC54182F	♦MOTA	252 - 96
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MC54192F	♦MOTA	84 - 88
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MC54193L	♦MOTA	82 - 8
MC54406F	♦MOTA	89 - 89
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MC54408F	♦MOTA	248 - 31
MC54408L	♦MOTA	248 - 32
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MC54417L	♦MOTA	85 - 7
MC54418L	♦MOTA	87 - 17
MC54419L	♦MOTA	87 - 18
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MC74151P	♦MOTA	242 - 30
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MC74153F	♦MOTA	242 - 33
MC74153L	♦MOTA	242 - 34
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MC74155L	♦MOTA	242 - 37
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MC74193F	♦MOTA	82 - 9
MC74193L	♦MOTA	82 - 10
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MC74406F	♦MOTA	89 - 91
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MC74417L	♦MOTA	85 - 10
MC74417P	♦MOTA	85 - 11
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MC74418P	♦MOTA	87 - 20
MC74419L	♦MOTA	87 - 21
MC74419P	♦MOTA	87 - 22
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MC75113L	♦MOTA	217 - 55
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MC75365L	♦MOTA	225 - 52
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MC83150P	♦MOTA	242 - 46
MC83151L	♦MOTA	242 - 47
MC83151P	♦MOTA	242 - 48
MC83152F	♦MOTA	242 - 49
MC83152L	♦MOTA	242 - 50
MC83152L,P%	♦MOTA	242 - 51
MC83153F	♦MOTA	242 - 52
MC83153L	♦MOTA	242 - 53
MC83153P	♦MOTA	242 - 54
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MC93150L	♦MOTA	242 - 55
MC93151L	♦MOTA	242 - 56
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MC93152L	♦MOTA	242 - 58
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MCB5430F	♦MOTA	147 - 3
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MCBC5430	♦MOTA	147 - 9
MCBC5440	♦MOTA	147 - 10
MCBC5450	♦MOTA	110 - 23
MCBC5451	♦MOTA	110 - 24
MCBC5453	♦MOTA	110 - 25
MCBC5454	♦MOTA	110 - 26
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MCE54H73F	♦MOTA	59 - 38
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MCE933F	♦MOTA	158 - 1
MCE936F	♦MOTA	193 - 14
MCE944F	♦MOTA	126 - 60
MCE945F	♦MOTA	66 - 15
MCE946F	♦MOTA	129 - 33
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MCE7005F	♦MOTA	231 - 29
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MDD1A	♦WLD	93 - 2
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MEM780P	♦GIC	254 - 1
MEM851D	♦GIC	254 - 9
MEM851F	♦GIC	254 - 10
MEM851P	♦GIC	254 - 11
MEM853D	♦GIC	254 - 3
MEM853F	♦GIC	254 - 4
MEM853P	♦GIC	254 - 5
MEM855D	♦GIC	254 - 12
MEM855F	♦GIC	254 - 13
MEM855P	♦GIC	254 - 14
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MEM856F	♦GIC	254 - 16
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MIC74H21J	ITTB	100 - 8
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MIC74H30J	ITTB	140 - 5
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MIC74H50J	ITTB	107 - 32
MIC74H51J	ITTB	107 - 33
MIC74H53J	ITTB	107 - 34
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MIC312-5D	ITTB	48 - 81
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MIC321-5D1	ITTB	126 - 77
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MIC322-1D1	ITTB	126 - 79
MIC322-5D	ITTB	126 - 80
MIC322-5D1	ITTB	126 - 81
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MIC323-5D1	ITTB	126 - 85
MIC324-1D	ITTB	126 - 86
MIC324-1D1	ITTB	126 - 87
MIC324-5D	ITTB	126 - 88
MIC324-5D1	ITTB	126 - 89
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MIC325-1D1	ITTB	126 - 91
MIC325-5D	ITTB	126 - 92
MIC325-5D1	ITTB	126 - 93
MIC326-1D	ITTB	126 - 94
MIC326-1D1	ITTB	126 - 95
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MIC331-5D	ITTB	158 - 4
MIC331-5D1	ITTB	158 - 5
MIC332-1D	ITTB	185 - 32
MIC332-1D1	ITTB	185 - 33
MIC332-5D	ITTB	185 - 34
MIC332-5D1	ITTB	185 - 35
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MIC333-5D	ITTB	185 - 38
MIC333-5D1	ITTB	185 - 39
MIC334-1D	ITTB	185 - 40
MIC334-1D1	ITTB	185 - 41
MIC334-5D	ITTB	185 - 42
MIC334-5D1	ITTB	185 - 43
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MIC335-5D	ITTB	194 - 65
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MIC341-1D1	ITTB	155 - 29
MIC341-5D	ITTB	155 - 30
MIC341-5D1	ITTB	155 - 31
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MIC342-5D	ITTB	164 - 50
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MIC343-5D	ITTB	247 - 31
MIC343-5D1	ITTB	247 - 32
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MIC361-5D	ITTB	184 - 24
MIC361-5D1	ITTB	184 - 25
MIC362-1D	ITTB	183 - 8
MIC362-1D1	ITTB	183 - 9
MIC362-5D	ITTB	183 - 10
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MIC370-5D	ITTB	66 - 90
MIC370-5D1	ITTB	66 - 91
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MIC371-5D	ITTB	73 - 96
MIC371-5D1	ITTB	73 - 97
MIC372-1D	ITTB	73 - 98
MIC372-1D1	ITTB	73 - 99
MIC372-5D	ITTB	73 -100
MIC372-5D1	ITTB	73 -101
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MIC380-5D1	ITTB	90 - 74
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MIC930-1C	ITT	128 - 4
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	ITT	♦ITTB
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	ITT	
MIC930-5C	ITT	128 - 7
MIC930-5D	INTG	128 - 8
	ITT	♦ITTB
MIC930R3D	ITTB	150 - 27
MIC930R6D	ITTB	150 - 28
MIC930R7D	ITTB	150 - 29
MIC932-1B	INTG	132 - 87
	ITT	
MIC932-1C	ITT	128 - 9
MIC932-1D	INTG	128 - 10
	ITT	♦ITTB
MIC932-5B	INTG	132 - 88
	ITT	
MIC932-5C	ITT	128 - 11
MIC932-5D	INTG	128 - 12
	ITT	♦ITTB
MIC932R3D	ITTB	150 - 30
MIC932R6D	ITTB	150 - 31
MIC932R7D	ITTB	150 - 32
MIC933-1B	INTG	158 - 25
	ITT	
MIC933-1C	ITT	158 - 26
MIC933-1D	INTG	128 - 13
	ITT	♦ITTB
MIC933-5B	INTG	158 - 27
	ITT	
MIC933-5C	ITT	158 - 28
MIC933-5D	INTG	128 - 14
	ITT	♦ITTB
MIC933R3D	ITTB	158 - 29
MIC933R6D	ITTB	158 - 30
MIC933R7D	ITTB	158 - 31
MIC935-1D	ITTB	193 - 52
MIC935-5D	ITTB	193 - 53
MIC936-1B	INTG	186 - 85
	ITT	

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♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line
MIC936-1D	INTG	186 - 86
	ITT	♦ITTB
MIC936-5B	INTG	186 - 87
	ITT	
MIC936-5D	INTG	186 - 88
	ITT	♦ITTB
MIC936R3D	ITTB	150 - 33
MIC936R6D	ITTB	150 - 34
MIC936R7D	ITTB	150 - 35
MIC937-1B	INTG	186 - 89
	ITT	
MIC937-1D	INTG	186 - 90
	ITT	♦ITTB
MIC937-5B	INTG	187 - 1
	ITT	
MIC937-5D	INTG	187 - 2
	ITT	♦ITTB
MIC941-1B	ITT	163 - 14
MIC941-1D	ITT	163 - 15
	ITTB	
MIC941-5B	ITT	163 - 16
MIC941-5D	ITT	163 - 17
	ITTB	
MIC944-1B	INTG	132 - 89
	ITT	
MIC944-1C	ITT	128 - 15
MIC944-1D	INTG	128 - 16
	ITT	♦ITTB
MIC944-5B	INTG	132 - 90
	ITT	
MIC944-5C	ITT	128 - 17
MIC944-5D	INTG	128 - 18
	ITT	♦ITTB
MIC944R3D	ITTB	150 - 36
MIC944R6D	ITTB	150 - 37
MIC944R7D	ITTB	150 - 38
MIC945-1B	INTG	62 - 48
	ITT	
MIC945-1C	ITT	62 - 49
MIC945-1D	INTG	62 - 50
	ITT	♦ITTB
MIC945-5B	INTG	62 - 51
	ITT	
MIC945-5C	ITT	62 - 52
MIC945-5D	INTG	62 - 53
	ITT	♦ITTB
MIC945R3D	ITTB	62 - 54
MIC945R6D	ITTB	62 - 55
MIC945R7D	ITTB	62 - 56
MIC946-1B	INTG	128 - 19
	ITT	
MIC946-1C	ITT	128 - 20
MIC946-1D	INTG	128 - 21
	ITT	♦ITTB
MIC946-5B	INTG	128 - 22
	ITT	
MIC946-5C	ITT	128 - 23
MIC946-5D	INTG	128 - 24
	ITT	♦ITTB
MIC946R3D	ITTB	150 - 39
MIC946R6D	ITTB	150 - 40
MIC946R7D	ITTB	150 - 41
MIC948-1B	INTG	62 - 57
	ITT	
MIC948-1C	ITT	62 - 58
MIC948-1D	INTG	62 - 59
	ITT	♦ITTB
MIC948-5B	INTG	62 - 60
	ITT	
MIC948-5C	ITT	62 - 61
MIC948-5D	INTG	62 - 62
	ITT	♦ITTB
MIC949-1B	INTG	128 - 25
	ITT	
MIC949-1C	ITT	128 - 26
MIC949-1D	INTG	128 - 27
	ITT	♦ITTB
MIC949-5B	INTG	128 - 28
	ITT	
MIC949-5C	ITT	128 - 29
MIC949-5D	INTG	128 - 30
	ITT	♦ITTB
MIC950-1B	INTG	62 - 44
	ITT	
MIC950-1C	ITT	62 - 45
MIC950-1D	INTG	62 - 46
	ITT	♦ITTB
MIC950-5B	INTG	62 - 41
	ITT	
MIC950-5C	ITT	62 - 42
MIC950-5D	INTG	62 - 43
	ITT	♦ITTB
MIC951-1B	INTG	163 - 18
	ITT	
MIC951-1C	ITT	163 - 19
MIC951-1D	INTG	163 - 26
	ITT	♦ITTB
MIC951-5B	INTG	163 - 20
	ITT	
MIC951-5C	ITT	163 - 21
MIC951-5D	INTG	163 - 27
	ITT	♦ITTB
MIC961-1B	INTG	128 - 31
	ITT	
MIC961-1C	ITT	128 - 32
MIC961-1D	INTG	128 - 33
	ITT	♦ITTB
MIC961-5B	INTG	128 - 34
	ITT	
MIC961-5C	ITT	128 - 35
MIC961-5D	INTG	128 - 36
	ITT	♦ITTB
MIC962-1B	INTG	128-104
	ITT	
MIC962-1C	ITT	128 - 37
MIC962-1D	INTG	128 - 38
	♦ITTB	
MIC962-5B	INTG	128 - 39
	ITT	
MIC962-5C	ITT	128 - 40
MIC962-5D	INTG	128 - 41
	ITT	♦ITTB
MIC962R3D	ITTB	150 - 42
MIC962R6D	ITTB	150 - 43
MIC962R7D	ITTB	150 - 44
MIC963-1B	INTG	128-105
	ITT	
MIC963-1C	ITT	128 - 42
MIC963-1D	INTG	128-106
	ITT	♦ITTB
MIC963-5B	INTG	128 - 43
	ITT	
MIC963-5C	ITT	128 - 44
MIC963-5D	INTG	128 - 45
	ITT	♦ITTB
MIC5400J	INTG	140 - 7
	♦ITTB	
MIC5401AJ	INTG	140 - 8
	♦ITTB	
MIC5401J	INTG	140 - 9
	♦ITTB	
MIC5402J	INTG	121 - 7
	♦ITTB	
MIC5403AJ	INTG	140 - 10
	♦ITTB	
MIC5403J	INTG	140 - 11
	♦ITTB	
MIC5404J	INTG	190 - 25
	♦ITTB	
MIC5405AJ	INTG	190 - 26
	♦ITTB	
MIC5405J	INTG	190 - 27
	♦ITTB	
MIC5406J	INTG	195 - 61
	♦ITTB	
MIC5407J	INTG	195 - 62
	♦ITTB	
MIC5408J	INTG	100 - 9
	♦ITTB	
MIC5409AJ	♦ITTB	100 - 10
MIC5409J	INTG	100 - 11
	♦ITTB	
MIC5410J	INTG	140 - 12
	♦ITTB	
MIC5411J	INTG	100 - 12
	♦ITTB	
MIC5412AJ	INTG	140 - 13
	♦ITTB	
MIC5412J	INTG	140 - 14
	♦ITTB	
MIC5413J	INTG	198 - 11
	♦ITTB	
MIC5416J	INTG	195 - 49
	♦ITTB	
MIC5417J	INTG	195 - 50
	♦ITTB	
MIC5420J	INTG	140 - 15
	♦ITTB	
MIC5421J	INTG	100 - 13
	♦ITTB	
MIC5425J	♦ITTB	121 - 8
MIC5426J	INTG	140 - 16
	♦ITTB	
MIC5428J	INTG	121 - 9
	♦ITTB	
MIC5430J	INTG	140 - 17
	♦ITTB	
MIC5432J	♦ITTB	112-103
MIC5433AJ	INTG	121 - 10
	♦ITTB	
MIC5433J	INTG	121 - 11
	♦ITTB	
MIC5437J	INTG	140 - 18
	♦ITTB	
MIC5438AJ	♦ITTB	140 - 19
MIC5438J	INTG	140 - 20
	♦ITTB	
MIC5440J	INTG	140 - 21
	♦ITTB	
MIC5441AJ	INTG	91 - 67
	♦ITTB	
MIC5442J	INTG	91 - 68
	♦ITTB	
MIC5443J	INTG	96 - 41
	♦ITTB	
MIC5444J	INTG	96 - 72
	♦ITTB	
MIC5445J	INTG	91 - 69
	♦ITTB	
MIC5446AJ	♦ITTB	94 - 87
MIC5446J	INTG	94 - 88
	♦ITTB	
MIC5447AJ	♦ITTB	94 - 89
MIC5447J	INTG	94 - 90
	♦ITTB	
MIC5448J	INTG	94 - 91
	♦ITTB	
MIC5450J	INTG	107 - 37
	♦ITTB	
MIC5451J	INTG	107 - 38
	♦ITTB	
MIC5453J	INTG	107 - 39
	♦ITTB	
MIC5454J	INTG	107 - 40
	♦ITTB	
MIC5460J	INTG	159 - 63
	♦ITTB	
MIC5470J	INTG	63 - 47
	♦ITTB	
MIC5472J	INTG	55 - 59
	♦ITTB	
MIC5473J	INTG	55 - 60
	♦ITTB	
MIC5474J	INTG	68 - 73
	♦ITTB	
MIC5475J	INTG	68 - 33
	♦ITTB	249 - 64
MIC5476J	INTG	55 - 61
	♦ITTB	
MIC5480J	ITTB	180 - 36
MIC5482J	INTG	180 - 37
	♦ITTB	
MIC5483J	INTG	180 - 38
	♦ITTB	
MIC5486J	INTG	156 - 15
	♦ITTB	
MIC5490J	INTG	77 - 11
	♦ITTB	
MIC5492J	INTG	86 - 47
	♦ITTB	
MIC5493J	INTG	83 - 13
	♦ITTB	
MIC6400J	INTG	140 - 22
	♦ITTB	
MIC6401AJ	INTG	140 - 23
	♦ITTB	
MIC6401J	INTG	140 - 24
	♦ITTB	
MIC6402J	INTG	121 - 12
	♦ITTB	
MIC6403AJ	INTG	140 - 25
	♦ITTB	
MIC6403J	INTG	140 - 26
	♦ITTB	
MIC6404J	INTG	190 - 28
	♦ITTB	
MIC6405AJ	INTG	190 - 29
	♦ITTB	
MIC6405J	INTG	190 - 30
	♦ITTB	
MIC6406J	INTG	195 - 63
	♦ITTB	
MIC6407J	INTG	195 - 64
	♦ITTB	
MIC6408J	INTG	100 - 14
	♦ITTB	
MIC6409AJ	♦ITTB	100 - 15
MIC6409J	INTG	100 - 16
	♦ITTB	
MIC6410J	INTG	140 - 27
	♦ITTB	
MIC6411J	INTG	100 - 17
	♦ITTB	
MIC6412AJ	INTG	140 - 28
	♦ITTB	
MIC6412J	INTG	140 - 29
	♦ITTB	
MIC6413J	INTG	198 - 12
	♦ITTB	
MIC6416J	INTG	195 - 51
	♦ITTB	
MIC6417J	INTG	195 - 52
	♦ITTB	
MIC6420J	INTG	140 - 30
	♦ITTB	
MIC6421J	INTG	100 - 18
	♦ITTB	
MIC6425J	ITTB	121 - 13
MIC6426J	INTG	140 - 31
	♦ITTB	
MIC6428J	INTG	112-104
	♦ITTB	
MIC6430J	INTG	140 - 32
	♦ITTB	
MIC6432J	♦ITTB	112-105
MIC6433AJ	INTG	121 - 14
	♦ITTB	
MIC6433J	INTG	121 - 15
	♦ITTB	
MIC6437J	INTG	140 - 33
	♦ITTB	
MIC6438AJ	♦ITTB	140 - 34
MIC6438J	INTG	140 - 35
	♦ITTB	
MIC6440J	INTG	140 - 36
	♦ITTB	
MIC6441AJ	INTG	91 - 70
	♦ITTB	
MIC6442J	INTG	91 - 71
	♦ITTB	
MIC6443J	INTG	96 - 42
	♦ITTB	
MIC6444J	INTG	96 - 73
	♦ITTB	
MIC6445J	INTG	91 - 72
	♦ITTB	
MIC6446AJ	♦ITTB	94 - 92
MIC6446J	INTG	94 - 93
	♦ITTB	
MIC6447AJ	♦ITTB	94 - 94
MIC6447J	INTG	95 - 1
	♦ITTB	
MIC6448J	INTG	95 - 2
	♦ITTB	
MIC6450J	INTG	107 - 41
	♦ITTB	
MIC6451J	INTG	107 - 42
	♦ITTB	
MIC6453J	INTG	107 - 43
	♦ITTB	
MIC6454J	INTG	107 - 44
	♦ITTB	
MIC6460J	INTG	159 - 64
	♦ITTB	
MIC6470J	INTG	63 - 48
	♦ITTB	
MIC6472J	INTG	55 - 62
	♦ITTB	
MIC6473J	INTG	55 - 63
	♦ITTB	
MIC6474J	INTG	68 - 74
	♦ITTB	
MIC6475J	INTG	68 - 34
	♦ITTB	
MIC6476J	INTG	55 - 64
	♦ITTB	
MIC6480J	ITTB	180 - 39
MIC6482J	INTG	180 - 40
	♦ITTB	
MIC6483J	INTG	180 - 41
	♦ITTB	
MIC6486J	INTG	156 - 16
	♦ITTB	
MIC6490J	INTG	77 - 12
	♦ITTB	
MIC6492J	INTG	86 - 48
	♦ITTB	
MIC6493J	INTG	83 - 14
	♦ITTB	
MIC7400J	INTG	140 - 37
	♦ITTB	
MIC7400N	♦ITTB	140 - 38
MIC7401AJ	INTG	140 - 39
	♦ITTB	
MIC7401AN	♦ITTB	140 - 40
MIC7401J	INTG	140 - 41
	♦ITTB	
MIC7401N	♦ITTB	140 - 42
MIC7402J	INTG	121 - 16
	♦ITTB	
MIC7402N	♦ITTB	121 - 17
MIC7403AJ	INTG	140 - 43
	♦ITTB	
MIC7403AN	♦ITTB	140 - 44
MIC7403J	INTG	140 - 45
	♦ITTB	
MIC7403N	♦ITTB	140 - 46
MIC7404J	INTG	190 - 31
	♦ITTB	
MIC7404N	♦ITTB	190 - 32
MIC7405AJ	INTG	190 - 33
	♦ITTB	
MIC7405AN	♦ITTB	190 - 34
MIC7405J	INTG	190 - 35
	♦ITTB	
MIC7405N	♦ITTB	190 - 36
MIC7406J	INTG	195 - 65
	♦ITTB	
MIC7406N	♦ITTB	195 - 66
MIC7407J	INTG	195 - 67
	♦ITTB	
MIC7407N	♦ITTB	195 - 68
MIC7408J	INTG	100 - 19
	♦ITTB	
MIC7408N	♦ITTB	100 - 20
MIC7409AJ	♦ITTB	100 - 21
MIC7409AN	♦ITTB	100 - 22
MIC7409J	INTG	100 - 23
	♦ITTB	
MIC7409N	♦ITTB	100 - 24
MIC7410J	INTG	140 - 47
	♦ITTB	
MIC7410N	♦ITTB	140 - 48
MIC7411J	INTG	100 - 25
	♦ITTB	
MIC7411N	♦ITTB	100 - 26
MIC7412AJ	INTG	140 - 49
	♦ITTB	
MIC7412AN	♦ITTB	140 - 50
MIC7412J	INTG	140 - 51
	♦ITTB	
MIC7412N	♦ITTB	140 - 52
MIC7413J	INTG	198 - 13
	♦ITTB	
MIC7413N	♦ITTB	198 - 14
MIC7416J	INTG	195 - 53
	♦ITTB	
MIC7416N	♦ITTB	195 - 54
MIC7417J	INTG	195 - 55
	♦ITTB	
MIC7417N	♦ITTB	195 - 56
MIC7420J	INTG	140 - 53
	♦ITTB	
MIC7420N	♦ITTB	140 - 54
MIC7421J	INTG	100 - 27
	♦ITTB	
MIC7421N	♦ITTB	100 - 28
MIC7425J	♦ITTB	121 - 18
MIC7425N	♦ITTB	121 - 19
MIC7426J	INTG	140 - 55
	♦ITTB	
MIC7426N	♦ITTB	140 - 56
MIC7428J	INTG	121 - 20
	♦ITTB	
MIC7428N	♦ITTB	121 - 21
MIC7430J	INTG	140 - 57
	♦ITTB	
MIC7430N	♦ITTB	140 - 58
MIC7432J	♦ITTB	112-106
MIC7432N	♦ITTB	112-107
MIC7433AJ	INTG	121 - 22
	♦ITTB	
MIC7433AN	♦ITTB	121 - 23
MIC7433J	INTG	121 - 24
	♦ITTB	
MIC7433N	♦ITTB	121 - 25
MIC7437J	INTG	140 - 59
	♦ITTB	
MIC7437N	♦ITTB	140 - 60
MIC7438AJ	♦ITTB	140 - 61
MIC7438AN	♦ITTB	140 - 62
MIC7438J	INTG	140 - 63
	♦ITTB	
MIC7438N	♦ITTB	140 - 64
MIC7440J	INTG	140 - 65
	♦ITTB	
MIC7440N	♦ITTB	140 - 66
MIC7441AJ	INTG	91 - 73
	♦ITTB	
MIC7441AN	♦ITTB	91 - 74
MIC7442J	INTG	91 - 75
	♦ITTB	
MIC7442N	♦ITTB	91 - 76
MIC7443J	INTG	96 - 43
	♦ITTB	
MIC7443N	♦ITTB	96 - 44
MIC7444J	INTG	96 - 74
	♦ITTB	
MIC7444N	♦ITTB	96 - 75
MIC7445J	INTG	91 - 77
	♦ITTB	
MIC7445N	♦ITTB	91 - 78
MIC7446AJ	♦ITTB	95 - 3
MIC7446AN	♦ITTB	93 - 52
MIC7446J	INTG	95 - 4
	♦ITTB	
MIC7446N	♦ITTB	93 - 53
MIC7447AJ	♦ITTB	95 - 5
MIC7447AN	♦ITTB	93 - 54
MIC7447J	INTG	95 - 6
	♦ITTB	
MIC7447N	♦ITTB	93 - 55
MIC7448J	INTG	95 - 7
	♦ITTB	
MIC7448N	♦ITTB	93 - 56
MIC7450J	INTG	107 - 45
	♦ITTB	
MIC7450N	♦ITTB	107 - 46
MIC7451J	INTG	107 - 47
	♦ITTB	
MIC7451N	♦ITTB	107 - 48
MIC7453J	INTG	107 - 49
	♦ITTB	
MIC7453N	♦ITTB	107 - 50
MIC7454J	INTG	107 - 51
	♦ITTB	
MIC7454N	♦ITTB	107 - 52
MIC7460J	INTG	159 - 65
	♦ITTB	
MIC7460N	♦ITTB	159 - 66
MIC7470J	INTG	63 - 49
	♦ITTB	
MIC7470N	♦ITTB	63 - 50
MIC7472J	INTG	55 - 65
	♦ITTB	
MIC7472N	♦ITTB	55 - 66
MIC7473J	INTG	55 - 67
	♦ITTB	
MIC7473N	♦ITTB	55 - 68
MIC7474J	INTG	68 - 75
	♦ITTB	
MIC7474N	♦ITTB	68 - 76
MIC7475J	INTG	249 - 65
	♦ITTB	
MIC7475N	♦ITTB	249 - 66
MIC7476J	INTG	55 - 69
	♦ITTB	
MIC7476N	♦ITTB	55 - 70
MIC7480J	ITTB	180 - 42
MIC7480N	ITTB	180 - 43
MIC7482J	INTG	180 - 44
	♦ITTB	
MIC7482N	♦ITTB	180 - 45
MIC7483J	INTG	180 - 46
	♦ITTB	
MIC7483N	♦ITTB	180 - 47
MIC7486J	INTG	156 - 17
	♦ITTB	
MIC7486N	♦ITTB	156 - 18
MIC7490J	INTG	77 - 13
	♦ITTB	
MIC7490N	♦ITTB	77 - 14
MIC7492J	INTG	86 - 49
	♦ITTB	
MIC7492N	♦ITTB	86 - 50
MIC7493J	INTG	83 - 15
	♦ITTB	
MIC7493N	♦ITTB	83 - 16
MIC9000-1B	♦ITT	53 - 69
MIC9000-1D	INTG	53 - 70
	♦ITT	ITTB
MIC9000-5B	♦ITT	52 - 97
MIC9000-5D	INTG	52 - 98
	♦ITT	ITTB
MIC9001-1B	♦ITT	53 - 71
MIC9001-1D	INTG	53 - 72
	♦ITT	ITTB
MIC9001-5B	♦ITT	52 - 99
MIC9001-5D	INTG	52-100
	♦ITT	ITTB
MIC9002-1B	♦ITT	140 - 67
MIC9002-1D	INTG	140 - 68
	♦ITT	ITTB
MIC9002-5B	♦ITT	132 - 75
MIC9002-5D	INTG	132 - 76
	♦ITT	ITTB
MIC9003-1B	♦ITT	140 - 69

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IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line
MIC9003-1D	INTG	140 - 70
	♦ITT	ITTB
MIC9003-5B	♦ITT	132 - 77
MIC9003-5D	INTG	132 - 78
	♦ITT	ITTB
MIC9004-1B	♦ITT	140 - 71
MIC9004-1D	INTG	140 - 72
	♦ITT	ITTB
MIC9004-5B	♦ITT	132 - 79
MIC9004-5D	INTG	132 - 80
	♦ITT	ITTB
MIC9005-1D	ITTB	98 -108
MIC9005-5D	ITTB	99 - 6
MIC9007-1B	♦ITT	140 - 73
MIC9007-1D	INTG	140 - 74
	♦ITT	♦ITT
MIC9007-5B	♦ITT	132 - 81
MIC9007-5D	INTG	132 - 82
	♦ITT	ITTB
MIC9008-1D	ITTB	99 - 1
MIC9008-5D	ITTB	99 - 7
MIC9009-1B	♦ITT	140 - 75
MIC9009-1D	INTG	140 - 76
	♦ITT	ITTB
MIC9009-5B	♦ITT	132 - 83
MIC9009-5D	INTG	132 - 84
	♦ITT	ITTB
MIC9012-1D	ITTB	132 - 27
MIC9012-5D	ITTB	132 - 49
MIC9016-1B	♦ITT	140 - 77
MIC9016-1D	INTG	140 - 78
	♦ITT	ITTB
MIC9016-5B	♦ITT	132 - 85
MIC9016-5D	INTG	132 - 86
	♦ITT	ITTB
MIC9020-1D	ITTB	52 - 16
MIC9020-5D	ITTB	52 - 54
MIC9022-1D	ITTB	52 - 17
MIC9022-5D	ITTB	52 - 55
MIC9024-1D	ITTB	52 - 9
MIC9024-5D	ITTB	52 - 43
MIC9093-1B	INTG	49 - 39
	ITT	·
MIC9093-1D	INTG	49 - 40
	ITT	♦ITTB
MIC9093-5B	INTG	49 - 41
	ITT	
MIC9093-5D	INTG	49 - 42
	ITT	♦ITTB
MIC9093R3D	ITTB	49 - 43
MIC9093R6D	ITTB	49 - 44
MIC9093R7D	ITTB	49 - 45
MIC9093X1D	ITTB	49 - 46
MIC9093X5D	ITTB	49 - 47
MIC9093XR3D	ITTB	49 - 48
MIC9093XR6D	ITTB	49 - 49
MIC9093XR7D	ITTB	49 - 50
MIC9094-1B	INTG	49 - 51
	ITT	
MIC9094-1D	INTG	49 - 52
	ITT	♦ITTB
MIC9094-5B	INTG	49 - 53
	ITT	
MIC9094-5D	INTG	49 - 54
	ITT	♦ITTB
MIC9094X1D	ITTB	49 - 55
MIC9094X5D	ITTB	49 - 56
MIC9097-1B	INTG	49 - 57
	ITT	
MIC9097-1D	INTG	49 - 58
	ITT	♦ITTB
MIC9097-5B	INTG	49 - 59
	ITT	
MIC9097-5D	INTG	49 - 60
	ITT	♦ITTB
MIC9097X1D	ITTB	49 - 61
MIC9097X5D	ITTB	49 - 62
MIC9099-1B	INTG	49 - 63
	ITT	
MIC9099-1D	INTG	49 - 64
	ITT	♦ITTB
MIC9099-5B	INTG	49 - 65
	ITT	
MIC9099-5D	INTG	49 - 66
	ITT	♦ITTB
MIC9099R3D	ITTB	49 - 67
MIC9099R6D	ITTB	49 - 68
MIC9099R7D	ITTB	49 - 69
MIC9099X1D	ITTB	49 - 70
MIC9099X5D	ITTB	49 - 71
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MIC9309-5B	♦ITT	242 - 79
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MIC9311-1D	ITTB	92 - 99
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MIC9312-1D	♦ITT	242 - 64
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MIC9312-5B	♦ITT	242 - 81
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MIC9316-5B	♦ITT	82 - 12
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MIC9322-5D	ITTB	235 - 87
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MIC9601-1D	INTG	163 - 53
	♦ITT	ITTB
MIC9601-5B	♦ITT	163 - 54
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	♦ITT	ITTB
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MIC54105J	INTG	63 - 11
	♦ITTB	
MIC54107J	INTG	55 - 71
	♦ITTB	
MIC54109J	ITTB	56 - 67
MIC54121J	INTG	166 - 16
	♦ITTB	
MIC54122AJ	ITTB	163 - 79
MIC54122J	♦ITTB	163 - 80
MIC54123AJ	ITTB	163 - 81
MIC54123J	♦ITTB	163 - 82
MIC54124J	♦ITTB	166 - 17
MIC54130J	♦ITTB	100 - 29
MIC54131J	♦ITTB	100 - 30
MIC54135J	♦ITTB	190 - 37
MIC54137J	♦ITTB	190 - 38
MIC54138J	♦ITTB	112 -108
MIC54139J	♦ITTB	113 - 1
MIC54145J	INTG	91 - 79
	♦ITTB	
MIC54150J	INTG	238 - 52
	♦ITTB	
MIC54151J	INTG	238 - 53
	♦ITTB	
MIC54153J	♦ITTB	238 - 54
MIC54154J	INTG	89 - 31
	♦ITTB	
MIC54155J	INTG	89 - 32
	♦ITTB	
MIC54156J	INTG	89 - 33
	♦ITTB	
MIC54157J	♦ITTB	238 - 55
MIC54160J	♦ITTB	74 - 92
MIC54161J	♦ITTB	80 - 56
MIC54162J	♦ITTB	74 - 93
MIC54163J	♦ITTB	80 - 57
MIC54174J	ITTB	68 - 77
MIC54180J	INTG	247 - 89
	♦ITTB	
MIC54181J	ITTB	245 - 43
MIC54182J	ITTB	252 - 68
MIC54190J	ITTB	74 - 94
MIC54191J	ITTB	80 - 58
MIC54192J	INTG	75 - 65
	♦ITTB	
MIC54193J	INTG	81 - 47
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MIC64104J	INTG	62 - 88
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MIC64105J	INTG	62 - 89
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MIC64107J	INTG	55 - 72
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MIC64109J	ITTB	56 - 68
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MIC64122AJ	ITTB	163 - 83
MIC64123AJ	ITTB	163 - 84
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MIC64131J	♦ITTB	100 - 32
MIC64135J	♦ITTB	186 - 12
MIC64137J	♦ITTB	186 - 13
MIC64138J	♦ITTB	113 - 2
MIC64139J	♦ITTB	113 - 3
MIC64141J	ITTB	91 - 80
MIC64145J	INTG	91 - 81
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MIC64150J	INTG	238 - 56
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MIC64151J	INTG	238 - 57
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MIC64153J	♦ITTB	238 - 58
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MIC64155J	INTG	89 - 34
	♦ITTB	
MIC64156J	INTG	89 - 35
	♦ITTB	
MIC64157J	♦ITTB	238 - 59
MIC64160J	ITTB	74 - 4
MIC64161J	ITTB	79 - 75
MIC64162J	ITTB	74 - 95
MIC64163J	ITTB	80 - 59
MIC64174J	ITTB	68 - 78
MIC64180J	INTG	247 - 90
	♦ITTB	
MIC64181J	ITTB	245 - 44
MIC64182J	ITTB	252 - 69
MIC64190J	ITTB	74 - 96
MIC64191J	ITTB	80 - 60
MIC64192J	INTG	75 - 66
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MIC64193J	INTG	81 - 48
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MIC74104J	INTG	63 - 12
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MIC74105N	♦ITTB	63 - 15
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MIC74107N	♦ITTB	55 - 74
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MIC74151N	♦ITTB	238 - 63
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MIC74160J	♦ITTB	74 - 97
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MIC74161N	♦ITTB	80 - 62
MIC74162J	♦ITTB	75 - 1
MIC74162N	♦ITTB	75 - 2
MIC74163J	♦ITTB	80 - 63
MIC74163N	♦ITTB	80 - 64
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MIC74180N	♦ITTB	247 - 92
MIC74181J	ITTB	245 - 45
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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R002	♦DEC	157- 84	RF61D	♦RTN	61- 25	RF3232D	RTN	67-104	RG171D	♦RTN	161- 13	RG283K	RTN	102- 66
R107	♦DEC	195- 18	RF61K	♦RTN	61- 26	RF3232K	RTN	68- 1	RG171K	♦RTN	161- 14	RG290D	RTN	161- 19
R111	♦DEC	152- 63	RF62D	♦RTN	61- 27	RF8601DC	♦RTN	165- 55	RG172D	♦RTN	161- 15	RG290K	RTN	161- 20
R113	♦DEC	150- 94	RF62K	♦RTN	61- 28	RF8601K	♦RTN	165- 56	RG172K	♦RTN	161- 16	RG291D	RTN	161- 21
R121#	♦DEC	127- 20	RF63D	♦RTN	61- 29	RF8601P	♦RTN	165- 57	RG173D	♦RTN	161- 17	RG291K	RTN	161- 22
R122	♦DEC	117- 45	RF63K	♦RTN	61- 30	RF9601DC	♦RTN	165- 29	RG173K	♦RTN	161- 18	RG292D	RTN	161- 23
R123	♦DEC	150- 95	RF100BL	♦RTN	60- 28	RF9601K	♦RTN	165- 30	RG180D	♦RTN	102- 51	RG292K	RTN	161- 24
R131	♦DEC	155- 32	RF100D	♦RTN	61- 40	RF9601P	♦RTN	165- 31	RG180K	♦RTN	102- 52	RG293D	RTN	161- 25
R141	♦DEC	111-104	RF100K	♦RTN	61- 41	RG40D	♦RTN	148- 89	RG181D	♦RTN	102- 53	RG293K	RTN	161- 26
R151	♦DEC	88- 14	RF101BL	♦RTN	60- 29	RG40K	♦RTN	148- 90	RG181K	♦RTN	102- 54	RG300D	♦RTN	114- 32
R181	♦DEC	203- 76	RF101D	♦RTN	61- 42	RG41D	♦RTN	148- 91	RG182D	♦RTN	102- 55	RG300K	♦RTN	114- 33
R200	♦DEC	64- 25	RF101K	♦RTN	61- 43	RG41K	♦RTN	148- 92	RG182K	♦RTN	102- 56	RG301D	♦RTN	114- 34
R201#	♦DEC	65- 53	RF102BL	♦RTN	60- 30	RG42D	♦RTN	148- 93	RG183D	♦RTN	102- 57	RG301K	♦RTN	114- 35
R202	♦DEC	65- 54	RF102D	♦RTN	61- 44	RG42K	♦RTN	148- 94	RG183K	♦RTN	102- 58	RG302D	♦RTN	114- 36
R203	♦DEC	65- 55	RF102K	♦RTN	61- 45	RG43D	♦RTN	148- 95	RG190D	♦RTN	149- 7	RG302K	♦RTN	114- 37
R204	♦DEC	64- 26	RF103BL	♦RTN	60- 31	RG43K	♦RTN	148- 96	RG190K	♦RTN	149- 8	RG303D	♦RTN	114- 38
R205	♦DEC	65- 56	RF103D	♦RTN	61- 46	RG50D	♦RTN	113- 52	RG191D	♦RTN	149- 9	RG303K	♦RTN	114- 39
R302	♦DEC	167- 35	RF103K	♦RTN	61- 47	RG50K	♦RTN	113- 53	RG191K	♦RTN	149- 10	RG310D	♦RTN	114- 40
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RC8T13M	♦RTN	219- 51	RF111BL	♦RTN	60- 33	RG52K	♦RTN	113- 49	RG193K	♦RTN	149- 14	RG312D	♦RTN	114- 44
RC8T13MP	♦RTN	219- 52	RF111D	♦RTN	61- 50	RG53D	♦RTN	113- 50	RG200D	♦RTN	147-107	RG312K	♦RTN	114- 45
RC8T14M	♦RTN	224- 4	RF111K	♦RTN	61- 51	RG53K	♦RTN	113- 51	RG200K	♦RTN	147-108	RG313D	♦RTN	114- 46
RC8T14MP	♦RTN	224- 5	RF112BL	♦RTN	60- 34	RG60D	♦RTN	148- 97	RG200P	RTN	149- 27	RG313K	♦RTN	114- 47
RC8T23M	♦RTN	219- 62	RF112D	♦RTN	61- 52	RG60K	♦RTN	148- 98	RG201D	♦RTN	147-109	RG320D	♦RTN	148- 21
RC8T23MP	♦RTN	219- 63	RF112K	♦RTN	61- 53	RG61D	♦RTN	148- 99	RG201K	♦RTN	147-110	RG320K	♦RTN	148- 22
RC8T24M	♦RTN	224- 33	RF113BL	♦RTN	60- 35	RG61K	♦RTN	148-100	RG202D	♦RTN	147- 91	RG321D	♦RTN	148- 23
RC8T24MP	♦RTN	224- 34	RF113D	♦RTN	61- 54	RG62D	♦RTN	148-101	RG202K	♦RTN	147- 92	RG321K	♦RTN	148- 24
RC555DN#1	♦RTN	71- 28	RF113K	♦RTN	61- 55	RG62K	♦RTN	148-102	RG203D	♦RTN	147- 93	RG322D	♦RTN	148- 1
RC555DN#2	♦RTN	163- 62	RF120BL	♦RTN	60- 36	RG63D	♦RTN	148-103	RG203K	♦RTN	147- 94	RG322K	♦RTN	148- 2
RC555T#1	♦RTN	71- 29	RF120D	♦RTN	61- 57	RG63K	♦RTN	148-104	RG210BL	♦RTN	110- 69	RG323D	♦RTN	148- 3
RC555T#2	♦RTN	163- 63	RF120K	♦RTN	61- 58	RG70D	♦RTN	113- 86	RG210D	♦RTN	113-110	RG323K	♦RTN	148- 4
RC556D#1	♦RTN	71- 30	RF121BL	♦RTN	60- 37	RG70K	♦RTN	113- 87	RG210K	♦RTN	114- 1	RG340D	RTN	122- 84
RC556D#2	♦RTN	163- 64	RF121D	♦RTN	61- 59	RG71D	♦RTN	113- 88	RG211BL	♦RTN	110- 70	RG340K	RTN	122- 85
RC556DP#1	♦RTN	71- 31	RF121K	♦RTN	61- 60	RG71K	♦RTN	113- 89	RG211D	♦RTN	114- 2	RG341D	RTN	122- 86
RC556DP#2	♦RTN	163- 65	RF122BL	♦RTN	60- 38	RG72D	♦RTN	113- 90	RG211K	♦RTN	114- 3	RG341K	RTN	122- 87
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RC1489AD	♦RTN	224- 39	RF122K	♦RTN	61- 62	RG73D	♦RTN	113- 92	RG212D	♦RTN	114- 4	RG342K	RTN	122- 89
RC1489D	♦RTN	224- 40	RF123BL	♦RTN	60- 39	RG73K	♦RTN	113- 93	RG212K	♦RTN	114- 5	RG343D	RTN	122- 90
RC6172T	RTN	150- 45	RF123D	♦RTN	61- 63	RG80D	RTN	102- 43	RG213BL	♦RTN	110- 62	RG343K	RTN	122- 91
RC6175G	RTN	128- 86	RF123K	♦RTN	61- 64	RG80K	RTN	102- 44	RG213D	♦RTN	114- 6	RG370D	♦RTN	193- 82
RC6176G	RTN	128- 87	RF130BL	♦RTN	60- 40	RG81D	RTN	102- 45	RG213K	♦RTN	114- 7	RG370K	♦RTN	193- 83
RC6178T	RTN	151- 61	RF130D	♦RTN	61- 65	RG81K	RTN	102- 46	RG220BL	♦RTN	150- 53	RG371D	♦RTN	193- 84
RC6179T	RTN	151- 62	RF130K	♦RTN	61- 66	RG82D	RTN	102- 47	RG220D	♦RTN	149- 28	RG371K	♦RTN	193- 85
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RC6185T	RTN	151- 66	RF132BL	♦RTN	60- 42	RG90D	♦RTN	157- 71	RG221K	♦RTN	149- 31	RG373K	♦RTN	193- 89
RC7520DD	♦RTN	213-102	RF132D	♦RTN	61- 69	RG90K	♦RTN	157- 72	RG222BL	♦RTN	150- 47	RG380D	♦RTN	193- 90
RC7520MP	♦RTN	213-103	RF132K	♦RTN	61- 70	RG91D	♦RTN	157- 73	RG222D	♦RTN	149- 32	RG380K	♦RTN	193- 91
RC7521DD	♦RTN	213-104	RF133BL	♦RTN	60- 43	RG91K	♦RTN	157- 74	RG222K	♦RTN	149- 33	RG381D	♦RTN	193- 92
RC7521MP	♦RTN	213-105	RF133D	♦RTN	61- 71	RG92D	♦RTN	157- 67	RG223BL	♦RTN	150- 48	RG381K	♦RTN	193- 93
RC7522DD	♦RTN	213-106	RF133K	♦RTN	61- 72	RG92K	♦RTN	157- 68	RG223D	♦RTN	149- 34	RG382D	♦RTN	193- 94
RC7522MP	♦RTN	213-107	RF200BL	♦RTN	60- 44	RG93D	♦RTN	157- 69	RG223K	♦RTN	149- 35	RG382K	♦RTN	193- 95
RC7523DD	♦RTN	213-108	RF200D	♦RTN	61- 73	RG93K	♦RTN	157- 70	RG230D	♦RTN	114- 8	RG383D	♦RTN	193- 96
RC7523MP	♦RTN	213-109	RF200K	♦RTN	61- 74	RG100D	♦RTN	113- 94	RG230K	♦RTN	114- 9	RG383K	♦RTN	193- 97
RC7524DD	♦RTN	213-110	RF201BL	♦RTN	60- 45	RG100K	♦RTN	113- 95	RG231D	♦RTN	114- 10	RG3180D	♦RTN	102- 67
RC7524MP	♦RTN	214- 1	RF201D	♦RTN	61- 75	RG101D	♦RTN	113- 96	RG231K	♦RTN	114- 11	RG3180K	♦RTN	102- 68
RC7525DD	♦RTN	214- 2	RF201K	♦RTN	61- 76	RG101K	♦RTN	113- 97	RG232D	♦RTN	114- 12	RG3182D	♦RTN	102- 69
RC7525MP	♦RTN	214- 3	RF202BL	♦RTN	60- 46	RG102D	♦RTN	113- 98	RG232K	♦RTN	114- 13	RG3182K	♦RTN	102- 70
RC9621D	♦RTN	217- 52	RF202D	♦RTN	61- 77	RG102K	♦RTN	113- 99	RG233D	♦RTN	114- 14	RG3182P	RTN	98- 44
RC9622D	♦RTN	224- 28	RF202K	♦RTN	61- 78	RG103D	♦RTN	113-100	RG233K	♦RTN	114- 15	RG3200D	RTN	126- 98
RC75107AD	♦RTN	221- 94	RF203BL	♦RTN	60- 47	RG103K	♦RTN	113-101	RG240BL	♦RTN	150- 55	RG3200K	RTN	126- 99
RC75107ADP	♦RTN	221- 95	RF203D	♦RTN	61- 79	RG110D	♦RTN	113-102	RG240D	♦RTN	149- 36	RG3202D	RTN	126-100
RC75108AD	♦RTN	221- 96	RF203K	♦RTN	61- 80	RG110K	♦RTN	113-103	RG240K	♦RTN	149- 37	RG3202K	RTN	126-101
RC75108ADP	♦RTN	221- 97	RF210D	♦RTN	61- 81	RG111D	♦RTN	113-104	RG241BL	♦RTN	150- 56	RG3210D	RTN	104- 36
RC75109D	♦RTN	218- 51	RF210K	♦RTN	61- 82	RG111K	♦RTN	113-105	RG241D	♦RTN	149- 38	RG3210K	RTN	104- 37
RC75109DP	♦RTN	218- 52	RF211D	♦RTN	61- 83	RG112D	♦RTN	113-106	RG241K	♦RTN	149- 39	RG3212D	RTN	104- 38
RC75110D	♦RTN	218- 53	RF211K	♦RTN	61- 84	RG112K	♦RTN	113-107	RG242BL	♦RTN	150- 49	RG3212K	RTN	104- 39
RC75110DP	♦RTN	218- 54	RF212D	♦RTN	61- 85	RG113D	♦RTN	113-108	RG242D	♦RTN	149- 40	RG3220D	♦RTN	148- 5
RDAC10-1	♦DDC	173- 78	RF212K	♦RTN	61- 86	RG113K	♦RTN	113-109	RG242K	♦RTN	149- 41	RG3220K	♦RTN	148- 6
RDAC10-2	♦DDC	173- 79	RF213D	♦RTN	61- 87	RG120D	♦RTN	148- 25	RG243BL	♦RTN	150- 50	RG3222D	♦RTN	147- 95
RDAC11-1	♦DDC	173- 80	RF213K	♦RTN	61- 88	RG120K	♦RTN	148- 26	RG243D	♦RTN	149- 42	RG3222K	♦RTN	147- 96
RDAC11-2	♦DDC	173- 81	RF250D	♦RTN	60- 60	RG121D	♦RTN	148- 27	RG243K	♦RTN	149- 43	RG3230D	RTN	104- 40
RDAC12-1	♦DDC	173- 82	RF250K	♦RTN	60- 61	RG121K	♦RTN	148- 28	RG250BL	♦RTN	110- 71	RG3230K	RTN	104- 41
RDAC12-2	♦DDC	173- 83	RF251D	♦RTN	60- 62	RG122D	♦RTN	148- 17	RG250D	♦RTN	114- 16	RG3232D	RTN	104- 42
RDC500H1	♦DDC	168- 68	RF251K	♦RTN	60- 63	RG122K	♦RTN	148- 18	RG250K	♦RTN	114- 17	RG3232K	RTN	104- 43
RDC500H3	♦DDC	168- 69	RF251P	RTN	61- 31	RG123D	♦RTN	148- 19	RG251BL	♦RTN	110- 72	RG3240D	♦RTN	148- 7
RDC500L1	♦DDC	168- 70	RF252D	♦RTN	60- 52	RG123K	♦RTN	148- 20	RG251D	♦RTN	114- 18	RG3240K	♦RTN	148- 8
RDC500L3	♦DDC	168- 71	RF252K	♦RTN	60- 53	RG130D	♦RTN	148-105	RG251K	♦RTN	114- 19	RG3242D	♦RTN	147- 97
RDC500M1	♦DDC	168- 72	RF253D	♦RTN	60- 54	RG130K	♦RTN	148-106	RG252BL	♦RTN	110- 63	RG3242K	♦RTN	147- 98
RDC500M3	♦DDC	168- 73	RF253K	♦RTN	60- 55	RG131D	♦RTN	148-107	RG252D	♦RTN	114- 20	RG3250D	RTN	104- 44
RDC510H1	♦DDC	168- 74	RF260D	♦RTN	61- 32	RG131K	♦RTN	148-108	RG252K	♦RTN	114- 21	RG3250K	RTN	104- 45
RDC510H3	♦DDC	168- 75	RF260K	♦RTN	61- 33	RG132D	♦RTN	154- 38	RG253BL	♦RTN	110- 64	RG3252D	RTN	104- 46
RDC510L1	♦DDC	168- 76	RF261D	♦RTN	61- 34	RG132K	♦RTN	154- 39	RG253D	♦RTN	114- 22	RG3252K	RTN	104- 47
RDC510L3	♦DDC	168- 77	RF261K	♦RTN	61- 35	RG133D	♦RTN	154- 40	RG253K	♦RTN	114- 23	RG3260D	♦RTN	148- 9
RDC510M1	♦DDC	168- 78	RF262D	♦RTN	61- 36	RG133K	♦RTN	154- 41	RG260BL	♦RTN	150- 57	RG3260K	♦RTN	148- 10
RDC510M3	♦DDC	168- 79	RF262K	♦RTN	61- 37	RG140D	♦RTN	148-109	RG260D	♦RTN	149- 44	RG3262D	♦RTN	147- 99
RDC511H1	♦DDC	168- 80	RF263D	♦RTN	61- 38	RG140K	♦RTN	148-110	RG260K	♦RTN	149- 45	RG3262K	♦RTN	147-100
RDC511H3	♦DDC	168- 81	RF263K	♦RTN	61- 39	RG141D	♦RTN	149- 1	RG261BL	♦RTN	150- 58	RG3270D	RTN	104- 48
RDC511L1	♦DDC	168- 82	RF400P	RTN	61- 56	RG141K	♦RTN	149- 2	RG261D	♦RTN	149- 46	RG3270K	RTN	104- 49
RDC511L3	♦DDC	168- 83	RF3120D	RTN	48- 92	RG142D	♦RTN	149- 3	RG261K	♦RTN	149- 47	RG3272D	RTN	104- 50
RDC511M1	♦DDC	168- 84	RF3120K	RTN	48- 93	RG142K	♦RTN	149- 4	RG262BL	♦RTN	150- 51	RG3272K	RTN	104- 51
RDC511M3	♦DDC	168- 85	RF3122D	RTN	48- 94	RG143D	♦RTN	149- 5	RG262D	♦RTN	149- 48	RG3300D	RTN	104- 52
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RF31D	♦RTN	66- 6	RF3132D	RTN	51- 93	RG151D	♦RTN	161- 5	RG263K	♦RTN	149- 51	RG3310D	RTN	104- 56
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

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RG3382D	♦RTN	193- 61
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RG3390K	RTN	98- 46
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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S5406F	♦SIC	191 - 2
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S5407A	♦SIC	191 - 4
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S8416J	♦SIC	130 - 8
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S8822A	SIC	59 - 98
S8822F	SIC	59 - 99
S8822J	SIC	59-100
S8824B	SIC	59-101
S8825A	♦SIC	59-102
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S8825J	♦SIC	59-104
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S8826F	SIC	60 - 5
S8826J	♦SIC	60 - 6
S8827A	♦SIC	60 - 7
S8827F	SIC	60 - 8
S8827J	♦SIC	60 - 9
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S8828F	SIC	70 - 21
S8828J	SIC	70 - 22
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S54154Y	SIC	239-109
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S54155W	♦SIC	240 - 2
S54156B	♦SIC	240 - 3
S54156F	♦SIC	240 - 4
S54156W	♦SIC	240 - 5
S54157B	♦SIC	240 - 6
S54157F	♦SIC	240 - 7
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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SN74H11W	FSC	101 - 30
SN74H15J	♦TII	101 - 31
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SN74H15N	♦TII	101 - 32
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SN74H20J	FSC	143 - 63
	♦TII	♦TIIB
SN74H20N	FSC	143 - 64
	♦TII	♦TIIB
SN74H20W	FSC	143 - 65
SN74H21J	FSC	101 - 33
	♦TII	♦TIIB
SN74H21N	FSC	101 - 34
	♦TII	♦TIIB
SN74H21W	FSC	101 - 35
SN74H22J	FSC	143 - 66
	♦TII	TIIB
SN74H22N	FSC	143 - 67
	♦TII	TIIB
SN74H22W	FSC	143 - 68
SN74H30J	FSC	143 - 69
	♦TII	♦TIIB
SN74H30N	FSC	143 - 70
	♦TII	♦TIIB
SN74H30W	FSC	143 - 71
SN74H40J	FSC	143 - 72
	♦TII	♦TIIB
SN74H40N	FSC	143 - 73
	♦TII	♦TIIB
SN74H40W	FSC	143 - 74
SN74H50J	FSC	108 - 59
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SN74H50N	FSC	108 - 60
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SN74H50W	FSC	108 - 61
SN74H51J	FSC	108 - 62
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SN74H51N	FSC	108 - 63
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SN74H51W	FSC	108 - 64
SN74H52J	FSC	103 - 79
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SN74H52N	FSC	103 - 80
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SN74H52W	FSC	103 - 81
SN74H53J	FSC	108 - 65
	♦TII	♦TIIB
SN74H53N	FSC	108 - 66
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SN74H54J	FSC	108 - 67
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SN74H55J	FSC	108 - 70
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SN74H55N	FSC	108 - 71
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SN74H55W	FSC	108 - 72
SN74H60J	FSC	159-103
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SN74H60N	FSC	159-104
	♦TII	♦TIIB
SN74H60W	FSC	159-105
SN74H61J	FSC	159-106
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SN74H61N	FSC	159-107
	♦TII	♦TIIB
SN74H61W	FSC	159-108
SN74H62J	FSC	159-109
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SN74H62N	FSC	159-110
	♦TII	♦TIIB
SN74H62W	FSC	160 - 1
SN74H71J	FSC	57 - 47
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SN74H72J	FSC	57 - 50
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SN74H72N	FSC	57 - 51
	♦TII	♦TIIB
SN74H72W	FSC	57 - 52
SN74H73J	FSC	57 - 53
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SN74H78J	FSC	57 - 58
	♦TII	TIIB
SN74H78N	FSC	57 - 59
	♦TII	TIIB
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SN74H106J	FSC	58 - 48
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SN74H106N	FSC	58 - 49
	♦TII	TIIB
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SN74L03N	♦TII	133 - 1
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SN74L04J	♦TII	187 - 54
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SN74L04N	♦TII	187 - 55
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SN74L10J	♦TII	134 - 36
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SN74L10N	♦TII	134 - 37
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SN74L20J	♦TII	134 - 38
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SN74L42J	♦TII	92 - 26
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SN74L73N	♦TII TIIB	63 - 5
SN74L74J	♦TII TIIB	68 - 14
SN74L74N	♦TII TIIB	68 - 15
SN74L75J	♦TII TIIB	249 - 83
SN74L75N	♦TII TIIB	249 - 84
SN74L78J	♦TII TIIB	53 - 15
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SN74LS05J	♦TII TIIB	191 - 64
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SN74LS20J	♦TII TIIB	143 - 85
SN74LS20N	♦TII TIIB	143 - 86
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SN74LS40N	♦TII TIIB	143 - 98
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SN74LS74J	♦TII TIIB	69 - 2
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SN74LS145J	♦TII TIIB	92 - 30
SN74LS145N	♦TII TIIB	92 - 31
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SN74LS153N	♦AMV ♦TII	240 - 51
SN74LS155J	♦TII TIIB	89 - 48
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SN74LS156N	♦TII TIIB	89 - 51
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SN74LS158N	♦AMV ♦TII	240 - 55
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SN74LS160N	AMV ♦TII	75 - 14
SN74LS161J	AMV ♦TII	80 - 84
SN74LS161N	AMV ♦TII	80 - 85
SN74LS162J	AMV ♦TII	75 - 15
SN74LS162N	AMV ♦TII	75 - 16
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SN74LS258N	♦AMV TIIB	240 - 63
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SN74LS352J	♦TII TIIB	240 - 66
SN74LS352N	♦TII TIIB	240 - 67
SN74LS353J	♦TII TIIB	240 - 68
SN74LS353N	♦TII TIIB	240 - 69
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SN74LS365N	♦TII TIIB	216 - 15
SN74LS366J	♦TII TIIB	216 - 16
SN74LS366N	♦TII TIIB	216 - 17
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SN74LS367N	♦TII TIIB	216 - 19
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SN74S00W	FSC	143-101
SN74S03J	FSC ♦TII	143-102 TIIB
SN74S03N	FSC ♦TII	143-103 TIIB
SN74S03W	FSC	143-104
SN74S04J	FSC ♦TII	191 - 66 TIIB
SN74S04N	FSC ♦TII	191 - 67 TIIB
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SN74S05J	FSC ♦TII	191 - 69 TIIB
SN74S05N	FSC ♦TII	191 - 70 TIIB
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SN74S09J	♦TII TIIB	101 - 48
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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SN54284W	♦TII	234 - 30
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SN55326SB	♦TII	228 - 9
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SN55326W	FSC	228 - 10
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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ZN5476E	♦FERB	61- 95
ZN5482E	FERB	176- 31
ZN5482J	FERB	181- 33
ZN5483AE	FERB	181- 34
ZN5483AJ	FERB	181- 35
ZN5485E	FERB	246-104
ZN5485J	FERB	246-105
ZN5486E	FERB	156- 70
ZN5486J	FERB	156- 71
ZN5492AE	FERB	87- 41
ZN5492AJ	FERB	87- 42
ZN5493AE	FERB	83- 3
ZN5493AJ	FERB	83- 4
ZN7400E	♦FERB	149- 64
ZN7400F	♦FERB	149- 65
ZN7401E	♦FERB	149- 66
ZN7401F	♦FERB	149- 67
ZN7402E	♦FERB	122- 94
ZN7402F	♦FERB	122- 95
ZN7403E	FERB	146- 65
ZN7403J	FERB	146- 66
ZN7404E	♦FERB	193-102
ZN7404F	♦FERB	193-103
ZN7405E	♦FERB	193-104
ZN7405F	♦FERB	193-105
ZN7408E	FERB	153- 12
ZN7408J	FERB	153- 13
ZN7409E	FERB	153- 14
ZN7409J	FERB	153- 15
ZN7410E	♦FERB	149- 68
ZN7410F	♦FERB	149- 69
ZN7412E	FERB	146- 67
ZN7412J	FERB	146- 68
ZN7413E	FERB	198- 53
ZN7413J	FERB	198- 54
ZN7420E	♦FERB	149- 70
ZN7420F	♦FERB	149- 71
ZN7425E	FERB	122- 39
ZN7425J	FERB	122- 40
ZN7427E	FERB	122- 41
ZN7427J	FERB	122- 42
ZN7428E	FERB	122- 43
ZN7428J	FERB	122- 44
ZN7430E	♦FERB	149- 72
ZN7430F	♦FERB	149- 73
ZN7432E	FERB	113- 42
ZN7432J	FERB	113- 43
ZN7437E	FERB	146- 69
ZN7437J	FERB	146- 70
ZN7438E	FERB	146- 71
ZN7438J	FERB	146- 72
ZN7440E	♦FERB	149- 74
ZN7440F	♦FERB	149- 75
ZN7441AE	♦FERB	92- 96
ZN7442E	FERB	92- 81
ZN7442J	FERB	92- 82
ZN7450E	♦FERB	157- 30
ZN7450F	♦FERB	157- 31
ZN7451E	♦FERB	157- 32
ZN7451F	♦FERB	157- 33
ZN7453E	♦FERB	104- 7
ZN7453F	♦FERB	104- 8
ZN7454E	♦FERB	104- 9
ZN7454F	♦FERB	104- 10
ZN7460E	♦FERB	161- 31
ZN7460F	♦FERB	161- 32
ZN7470E	♦FERB	61- 96
ZN7470F	♦FERB	61- 97
ZN7472E	♦FERB	61- 98
ZN7472F	♦FERB	61- 99
ZN7473E	♦FERB	61-100
ZN7473F	♦FERB	61-101
ZN7474E	♦FERB	70- 33
ZN7474F	♦FERB	70- 34
ZN7475E	♦FERB	70- 35
ZN7476E	♦FERB	61-102
ZN7482E	FERB	181- 36
ZN7482J	FERB	181- 37
ZN7483AE	FERB	181- 38
ZN7483AJ	FERB	181- 39
ZN7485E	FERB	246-106
ZN7485J	FERB	246-107
ZN7486E	FERB	156- 72
ZN7486J	FERB	156- 73
ZN7490E	♦FERB	74- 74
ZN7490F	♦FERB	74- 75
ZN7492AE	FERB	87- 43
ZN7492AJ	FERB	87- 44
ZN7492E	♦FERB	86- 29
ZN7492F	♦FERB	86- 30
ZN7493AE	FERB	83- 5
		181- 40
ZN7493AJ	FERB	83- 6
ZN7493E	♦FERB	80- 36
ZN7493F	♦FERB	80- 37
ZN54107E	♦FERB	61-103
ZN54107F	♦FERB	61-104
ZN54121E	FERB	167- 48
ZN54121J	FERB	167- 49
ZN54122E	FERB	164- 6
ZN54122J	FERB	164- 7
ZN54123E	FERB	164- 8
ZN54123J	FERB	164- 9
ZN54150E	FERB	241- 81
ZN54150J	FERB	241- 82
ZN54151E	FERB	241- 83
ZN54151J	FERB	241- 84
ZN54153E	FERB	241- 85
ZN54153J	FERB	241- 86
ZN54154E	FERB	89- 75
ZN54154J	FERB	89- 76
ZN54155E	FERB	89- 77
ZN54155J	FERB	89- 78
ZN54157E	FERB	241- 87
ZN54157J	FERB	241- 88
ZN54161E	FERB	81- 19
ZN54161J	FERB	81- 20
ZN54163E	FERB	81- 21
ZN54163J	FERB	81- 22
ZN54180E	FERB	248- 22
ZN54180J	FERB	248- 23
ZN54181E	FERB	245- 81
ZN54181J	FERB	245- 82
ZN54191E	FERB	81- 23
ZN54191J	FERB	81- 24
ZN54192E	FERB	75- 91
ZN54192J	FERB	75- 92
ZN54193E	FERB	81- 81
ZN54193J	FERB	81- 82
ZN54197E	FERB	76- 13
ZN54197J	FERB	76- 14
ZN74107E	♦FERB	61-105
ZN74107F	♦FERB	61-106
ZN74121E	FERB	167- 50
ZN74121J	FERB	167- 51
ZN74122E	FERB	164- 10
ZN74122J	FERB	164- 11
ZN74123E	FERB	164- 12
ZN74123J	FERB	164- 13
ZN74150E	FERB	241- 89
ZN74150J	FERB	241- 90
ZN74151E	FERB	241- 91
ZN74151J	FERB	241- 92
ZN74153E	FERB	241- 93
ZN74153J	FERB	241- 94
ZN74154E	FERB	89- 79
ZN74154J	FERB	89- 80
ZN74155E	FERB	89- 81
ZN74155J	FERB	89- 82
ZN74157E	FERB	241- 95
ZN74157J	FERB	241- 96
ZN74161E	FERB	81- 25
ZN74161J	FERB	81- 26
ZN74163E	FERB	81- 27
ZN74163J	FERB	81- 28
ZN74180E	FERB	248- 24
ZN74180J	FERB	248- 25
ZN74181E	FERB	245- 83
ZN74181J	FERB	245- 84
ZN74191E	FERB	81- 29
ZN74191J	FERB	81- 30
ZN74192E	FERB	75- 93
ZN74192J	FERB	75- 94
ZN74193E	FERB	81- 83
ZN74193J	FERB	81- 84
ZN74197E	FERB	76- 15
ZN74197J	FERB	76- 16
ZSD51A	♦FERB	158- 22
ZSD81A	♦FERB	117- 73
ZSD111A	♦FERB	158- 23
ZSD131A	♦FERB	158- 24
ZSF51B	♦FERB	49- 5
ZSF51CT	FERB	49- 6
ZSF81B	♦FERB	49- 7
ZSF81CT	FERB	49- 8
ZSF111B	♦FERB	49- 9
ZSF111CT	♦FERB	49- 10
ZSF131B	♦FERB	49- 11
ZSF131CT	♦FERB	49- 12
ZSM1A	FERB	117- 81
ZSM1B	FERB	117- 82
ZSS1A	♦FERB	117- 83
ZSS1B	♦FERB	117- 84
ZSS2A	♦FERB	117- 85
ZSS2B	♦FERB	117- 86
ZSS3A	♦FERB	117- 87
ZSS3B	♦FERB	117- 88
ZSS51A	♦FERB	123- 62
ZSS51B	♦FERB	123- 63
ZSS53A	♦FERB	123- 64
ZSS53B	♦FERB	123- 65
ZSS54A	♦FERB	185- 63
ZSS54B	♦FERB	185- 64
ZSS55A	♦FERB	123- 66
ZSS55B	♦FERB	123- 67
ZSS56B	♦FERB	123- 68
ZSS57B	♦FERB	123- 69
ZSS58	FERB	183- 46
ZSS59A	FERB	117- 74
ZSS59B	FERB	117- 75
ZSS81A	♦FERB	123- 70
ZSS81B	♦FERB	123- 71
ZSS83A	♦FERB	123- 72
ZSS83B	♦FERB	123- 73
ZSS84A	♦FERB	185- 65
ZSS84B	♦FERB	185- 66
ZSS85A	♦FERB	123- 74
ZSS85B	♦FERB	123- 75
ZSS86B	♦FERB	123- 76
ZSS87B	♦FERB	123- 77
ZSS88	FERB	183- 47
ZSS89A	FERB	117- 76
ZSS89B	FERB	117- 77
ZSS111A	♦FERB	123- 78
ZSS111B	♦FERB	123- 79
ZSS113A	♦FERB	123- 80
ZSS113B	♦FERB	123- 81
ZSS114A	♦FERB	185- 67
ZSS114B	♦FERB	185- 68
ZSS115A	♦FERB	123- 82
ZSS115B	♦FERB	123- 83
ZSS116B	♦FERB	123- 84
ZSS117B	♦FERB	123- 85
ZSS118	♦FERB	183- 48
ZSS119A	♦FERB	117- 78
ZSS119B	♦FERB	117- 79
ZSS131A	♦FERB	123- 86
ZSS131B	♦FERB	123- 87
ZSS133A	♦FERB	123- 88
ZSS133B	♦FERB	123- 89
ZSS134A	♦FERB	185- 69
ZSS134B	♦FERB	185- 70
ZSS135A	♦FERB	123- 90
ZSS135B	♦FERB	123- 91
ZSS136B	♦FERB	123- 92
ZSS137B	♦FERB	123- 93
ZST2	♦FERB	199- 15
ZST51A	♦FERB	123- 94
ZST52A	♦FERB	123- 95
ZST52B	♦FERB	123- 96
ZST53A	♦FERB	123- 97
ZST53B	♦FERB	123- 98
ZST54A	♦FERB	123- 99
ZST81A	♦FERB	123-100
ZST82A	♦FERB	123-101
ZST82B	♦FERB	123-102
ZST83A	♦FERB	123-103
ZST83B	♦FERB	123-104
ZST84A	♦FERB	123-105
ZST111A	♦FERB	123-106
ZST112A	♦FERB	112- 49
ZST112B	♦FERB	112- 50
ZST113A	♦FERB	123-107
ZST113B	♦FERB	123-108
ZST114A	♦FERB	123-109
ZST131A	♦FERB	123-110
ZST132A	♦FERB	112- 51
ZST132B	♦FERB	112- 52
ZST133A	♦FERB	124- 1
ZST133B	♦FERB	124- 2
ZST134A	♦FERB	124- 3

Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	ZN297E			MON	.20	4.0	DTL		8	0.0	4.5	9.0n			19m	1.0	0	70			M126
2#	ZN394E			MON	.20	4.0	DTL		8	0.0	4.5	15n			19m	1.0	0	70			M126
3#	ZN397E			MON	.20	4.0	DTL		8	0.0	4.5	15n			19m	1.0	0	70			M126
4▼	TMUF3	2	15M	PCB	3.3	.22			8	0.0	5.0	50n			120m	1.0	0	70	3		CB53
5▼	TMUF4	2	15M	PCB	3.3	.22		7	8	0.0	5.0	50n			160m	1.0	0	70	4		CB53
6	FCJ131	2	7.0M		6.0	0.0		4	8		6.0				100m	1.2	0	75	2	B02188	M126c
7	FCJ191	2	7.0M		6.0	0.0		6†	8		6.0				100m	1.2	0	75	2	B02188a	M126c
8	FCJ211	2	7.0M		6.0	0.0		5	8		6.0				100m	1.2	0	75	2	B02188b	M126c
9	SS4027AE	2	8.0M%		9.8%	.20*†				0.0	10	400nΔ				4.5 Δ	-30	85	2	B02290	
10	CM4027AD	2	8.0M†%	MOS	10	0.0†		5		0.0	10	110nΔ	5.0uΔ	5.0uΔ	200m	4.5 Δ	-55	125	2	B02247	M210b
11	CM4027AE	2	8.0M†%	MOS	10	0.0†		5		0.0	10	150nΔ	5.0uΔ	5.0uΔ	200m	4.5 Δ	-40	85	2	B02247	M210b
12	M100	2	8.0M	PCB	10	0.0		4	50	0.0	10	110n	5.0u	5.0u	60u	4.5	-55	95	6		CB☑
13	MM54C73D	2	4.0M†%	MOS	3.5%	1.5*	CMS	4		0.0	5.0	250n			500m	450mΔ	-55	125	2	B02274	M297a
14	MM54C76D	2	4.0M†%	MOS	3.5%	1.5*	CMS	5		0.0	5.0	250n			500m	450mΔ	-55	125	2	B02275	M297a
15	MM54C107D	2	4.0M†%	MOS	3.5%	1.5*	CMS	4		0.0	5.0	250n			500m	450mΔ	-55	125	2	B02276	M297a
16	MM74C73N	2	4.0M†%	MOS	3.5%	1.5*	CMS	4		0.0	5.0	250n			500m	450mΔ	0	70	2	B02274	M344
17	MM74C76N	2	4.0M†%	MOS	3.5%	1.5*	CMS	5		0.0	5.0	250n			500m	450mΔ	0	70	2	B02275	M344
18	MM74C107N	2	4.0M†%	MOS	3.5%	1.5*	CMS	4		0.0	5.0	250n			500m	450mΔ	0	70	2	B02276	M344
19▼#	MSM531	2	2.0M%Δ	MOS	3.6%	.80*	CMS	5	15	0.0	5.0	500nΔ			50u§		-20	70	2	B02301	M256a
20♦	JANM38510/05102AEA	2	700kΔØ	MON	3.65%	1.25*	CMS	5	7	0.0	5.0	790nΔ			200m		-55	125	2	B02247	M393
21	JANM38510/05102AFA	2	700kΔØ	MON	3.65%	1.25*	CMS	5	7	0.0	5.0	790nΔ			200m		-55	125	2	B02247	FP117
22♦	JANM38510/05102BEA	2	700kΔØ	MON	3.65%	1.25*	CMS	5	7	0.0	5.0	790nΔ			200m		-55	125	2	B02247	M393
23	JANM38510/05102BFA	2	700kΔØ	MON	3.65%	1.25*	CMS	5	7	0.0	5.0	790nΔ			200m		-55	125	2	B02247	FP117
24♦	JANM38510/05102CEA	2	700kΔØ	MON	3.65%	1.25*	CMS	5	7	0.0	5.0	790nΔ			200m		-55	125	2	B02247	M393
25	JANM38510/05102CFA	2	700kΔØ	MON	3.65%	1.25*	CMS	5	7	0.0	5.0	790nΔ			200m		-55	125	2	B02247	FP117
26	MM4627AD	2	3.0MΔ%	MOS	4.99%	.01*†	CMS	5		0.0	5.0	175n			500m	450mΔ	-55	125	2	B02297	M346a
27	MM4627AF	2	3.0MΔ%	MOS	4.99%	.01*†	CMS	5		0.0	5.0	175n			500m	450mΔ	-55	125	2	B02297	FP98
28	MM5627AN	2	3.0MΔ%	MOS	4.99%	.01*†	CMS	5		0.0	5.0	175n			500m	450mΔ	-40	80	2	B02297	M345
29	SW4027A	2	3.0MΔ%	MOS	5.0	0.0	CMS	5	50	0.0	5.0	150n			200m		-40	85	2	B02247	M117z
30	4027B	2		MOS	7.1%	2.9*	CMS	5	2	0.0	10	250nΔ	5.0u	5.0u	200mΔ		-40	85	2	B02290	M256
31▼	TF4027AJ	2	8.0M†%	MOS	7.1%	2.9*	CMS	5		0.0	10	185nΔ			1.2m%		-55	125	2	B02290	M153d
32▼	TF4027AN	2	8.0M†%	MOS	7.1%	2.9*	CMS	5		0.0	10	185nΔ			1.2m%		-55	125	2	B02290	M117x
33▼	TP4027AJ	2	8.0M†%	MOS	7.1%	2.9*	CMS	5		0.0	10	250nΔ			2.8m%		-40	85	2	B02290	M153d
34▼	TP4027AN	2	8.0M†%	MOS	7.1%	2.9*	CMS	5		0.0	10	250nΔ			2.8m%		-40	85	2	B02290	M117x
35	HD1-54C107	2	11M%	MOS	8.0%	2.0*	CMS			0.0	10	130nΔ	5.0u	5.0u	50n%	4.5 Δ	-55	125	2	B0276	M126v
36	HD1-54C73	2	11M%Δ	MOS	8.0%	2.0*	CMS			0.0	10	130nΔ	5.0u	5.0u	50n%	4.5 Δ	-55	125	2	B02274	M126v
37	HD1-54C76	2	11M%Δ	MOS	8.0%	2.0*	CMS			0.0	10	130nΔ	5.0uΔ	5.0uΔ	50n%	4.5 Δ	-55	125	2	B02241	M200q
38	HD1-74C107	2	11M%	MOS	8.0%	2.0*	CMS			0.0	10	130nΔ	5.0u	5.0u	50n%	4.5 Δ	-40	85	2	B0276	M126v
39	HD1-74C73	2	11M%Δ	MOS	8.0%	2.0*	CMS			0.0	10	130nΔ	5.0u	5.0u	50n%	4.5 Δ	-40	85	2	B02274	M126v
40	HD1-74C76	2	11M%Δ	MOS	8.0%	2.0*	CMS			0.0	10	130nΔ	5.0u	5.0u	50n%	4.5 Δ	-40	85	2	B02241	M200q
41	HD9-54C107	2	11M%	MOS	8.0%	2.0*	CMS			0.0	10	130nΔ	5.0u	5.0u	50n%	4.5 Δ	-55	125	2	B0276	TO86
42	HD9-54C73	2	11M%Δ	MOS	8.0%	2.0*	CMS			0.0	10	130nΔ	5.0u	5.0u	50n%	4.5 Δ	-55	125	2	B02274	TO86
43	HD9-54C76	2	11M%Δ	MOS	8.0%	2.0*	CMS			0.0	10	130nΔ	5.0uΔ	5.0uΔ	50n%	4.5 Δ	-55	125	2	B02241	FP103
44	HD9-74C107	2	11M%	MOS	8.0%	2.0*	CMS			0.0	10	130nΔ	5.0u	5.0u	50n%	4.5 Δ	-40	85	2	B0276	TO86
45	HD9-74C73	2	11M%Δ	MOS	8.0%	2.0*	CMS			0.0	10	130nΔ	5.0u	5.0u	50n%	4.5 Δ	-40	85	2	B02274	TO86
46	HD9-74C76	2	11M%Δ	MOS	8.0%	2.0*	CMS			0.0	10	130nΔ	5.0u	5.0u	50n%	4.5 Δ	-40	85	2	B02241	FP103
47	SCL4027AC	2	6.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	150nΔ	5.0u	5.0u	20u%	4.5	-55	125	2	B02295	M475d
48	SCL4027AD	2	6.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	150nΔ	5.0u	5.0u	20u%	4.5	-55	125	2	B02295	M475e
49	SCL4027AE	2	6.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	150nΔ	5.0u	5.0u	20u%	4.5	-40	85	2	B02295	M475f
50	SCL4027AF	2	6.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	150nΔ	5.0u	5.0u	20u%	4.5	-55	125	2	B02295	FP111
51	SCL4027AH	2	6.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	150nΔ	5.0u	5.0u	20u%	4.5	-55	125	2	B02295	FC☑
52	HD1-4027A2	2	8.0M%Δ	MOS	9.99%	.01*†	CMS			0.0	10	110nΔ	5.0u	5.0u	20u%	4.5 Δ	-55	125	2	B02247	M200q
53	HD1-4027A9	2	8.0M%Δ	MOS	9.99%	.01*†	CMS			0.0	10	150nΔ	5.0u	5.0u	200u%	4.5 Δ	-40	85	2	B02247	M200q
54	HD9-4027A2	2	8.0M%Δ	MOS	9.99%	.01*†	CMS			0.0	10	110nΔ	5.0u	5.0u	20u%	4.5 Δ	-55	125	2	B02247	FP103
55	HD9-4027A9	2	8.0M%Δ	MOS	9.99%	.01*†	CMS			0.0	10	150nΔ	5.0u	5.0u	200u%	4.5 Δ	-40	85	2	B02247	FP103
56	MC14027AL	2	9.0M†%	MOS	9.99%	.01*†	CMS	5		0.0	10	110nΔ	5.0u	5.0u	20u		-55	125	2	B02269	M191
57	MC14027CL	2	9.0M†%	MOS	9.99%	.01*†	CMS	5		0.0	10	150nΔ	5.0u	5.0u	200u		-40	85	2	B02269	M191
58	MC14027CP	2	9.0M†%	MOS	9.99%	.01*†	CMS	5		0.0	10	150nΔ	5.0u	5.0u	200u		-40	85	2	B02269	M278
59	CD4096BD	2	12MΔ	MOS	10	0	CMS			3	18	150nΔ	20n†	20n†	200m§		-55	125			Δ001AD
60	CD4096BE	2	12MΔ	MOS	10	0	CMS			3	18	150nΔ	20n†	20n†	200m§		-40	85			Δ001AB
61	CD4096BK	2	12MΔ	MOS	10	0	CMS			3	18	150nΔ	20n†	20n†	200m§		-55	125			Δ004AF
62♦	CD4027AD	2	8.0MΔ%	MOS	10	0.0†	CMS	4	50	0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B02247	Δ001AE
63♦	CD4027AE	2	8.0MΔ%	MOS	10	0.0†	CMS	4	50	0.0	10	150nΔ	5.0uΔ	5.0uΔ	200u%	4.5 Δ	-40	85	2	B02247	Δ001AC
64♦	CD4027AK	2	8.0MΔ%	MOS	10	0.0†	CMS	4	50	0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B02247	Δ004AG
65#	HBC4027AD	2	8.0M%Δ	MOS	10	0.0†	CMS	4	50	0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B02247	Δ001AE
66#	HBC4027AF	2	8.0M%Δ	MOS	10	0.0†	CMS	4	50	0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B02247	Δ001AE
67#	HBC4027AK	2	8.0M%Δ	MOS	10	0.0†	CMS	4	50	0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B02247	Δ004AG
68#	HBF4027AE	2	8.0M%Δ	MOS	10	0.0†	CMS	4	50	0.0	10	150nΔ	5.0uΔ	5.0uΔ	200u%	4.5 Δ	-40	85	2	B02247	Δ001AC
69#	HBF4027AF	2	8.0M%Δ	MOS	10	0.0†	CMS	4	50	0.0	10	150nΔ	5.0uΔ	5.0uΔ	200u%	4.5 Δ	-40	85	2	B02247	Δ001AE
70	CD4095BD	2	12MΔ	MOS	10	0.0	CMS			3.0	18	150nΔ	20n†	20n†	200m§		-55	125		B0294c	Δ001AD
71	CD4095BE	2	12MΔ	MOS	10	0.0	CMS			3.0	18	150nΔ	20n†	20n†	200m§		-40	85		B0294c	Δ001AB
72	CD4095BF	2	12MΔ	MOS	10	0.0	CMS			3.0	18	150nΔ	20n†	20n†	200m§		-55	125		B0294c	Δ001AB
73	CD4095BK	2	12MΔ	MOS	10	0.0	CMS			3.0	18	150nΔ	20n†	20n†	200m§		-55	125		B0294c	Δ004AF
74	CD4096BF	2	12MΔ	MOS	10	0.0	CMS			3.0	18	150nΔ	20n†	20n†	200m§		-55	125			Δ001AB
75#	MIC311-1D	2		MON			DTL	10	5	0.0	12						-55	125	1	B02148	M200d
76#	MIC311-1D1	2		MON			DTL	10	5	0.0	15						-55	125	1	B02148	M200d
77#	MIC311-5D	2		MON			DTL	10	5	0.0	12						-30	85	1	B02148	M200d
78#	MIC311-5D1	2		MON			DTL	10	5	0.0	15						-30	70	1	B02148	M200d
79#	MIC312-1D	2		MON			DTL			0.0	12						-55	125	2		M153a
80#	MIC312-1D1	2		MON			DTL			0.0	15						-55	125	2		M153a
81#	MIC312-5D	2		MON			DTL			0.0	12						-30	85	2		M153a
82#	MIC312-5D1	2		MON			DTL			0.0	15						-30	85	2		M153a
83#	SFC472HE	2		MON			DTL	8	2	0	7	6n			20m†	400m	0	70	1	B0294b	TO116
84#	SFC472HPM	2		MON			DTL	6	2	0	7	6n			20m†	400m	-55	125	1	B0288	ZB165
85#	SFC472PM	2		MON			DTL	6	2	0	7	13n			10m†	400m	-55	125	1	B0288	ZB165
86#	SFC473PM	2		MON			DTL	6	2	0	7	13n			10m†	400m	-55	125	2	B0291	ZB165
87♦	HEPC0901P-RT	2	3.0M				DTL		10	0.0	15				200m				2		TO116
88♦	9926FC	2	20M%Δ	MON			DTL	3	11	4.0	12				500mΔ		0	70	1	B0262	FP28b
89♦	9926FM	2	20M%Δ	MON			DTL	3	11	4.0	12				500mΔ		-55	125	1	B0262	FP28b
90♦	9926HC	2	20M%Δ	MON			DTL	3	11	4.0	12				500mΔ		0	70	1	B0262	TO100
91♦	9926HM	2	20M%Δ	MON			DTL	3	11	4.0	12				500mΔ		-55	125	1	B0262	TO100
92	RF3120D	2	75M†	MON			DTL	3	11	0	5				110m†	1.1	-55	125	2		M105m
93	RF3120K	2	75M†	MON			DTL	3	11	0	5				110m†	1.1	-55	125	2		FP21b
94	RF3122D	2	75M†	MON			DTL	3	9	0	5				110m†	1.1	0	75	2		M105m
95	RF3122K	2	75M†	MON			DTL	3	9	0	5				110m†	1.1	0	75	2		FP21b
96#	ZN221	2		MON	.20	4.0	DTL	8	6	0.0	5.0	50n			19m		-55	125	1		TO88
97#	ZN221E	2		MON	.20	4.0	DTL	8	6	0.0	5.0	50n			19m		0	70	1		M126
98#	ZN222	2		MON	.20	4.0	DTL	4	6	0.0	5.0	50n			19m		-55	125	2		TO88
99#	ZN222E	2		MON	.20	4.0	DTL	4	6	0.0	5.0	50n			19m		0	70	2		M126
100#	ZN248	2		MON	.20	4.0	DTL	7	6	0.0	5.0	50n			19m		-55	125	1		TO88
101#	ZN248E	2		MON	.20	4.0	DTL	7	6	0.0	5.0	50n			19m		0	70	1		M126
102♦#	ZN294E	2		MON	.20	4.0	DTL		8	0.0	4.5	9.0n			19m	1.0	0	70	2		M126
103#	ZN321	2		MON	.20	4.0	DTL	8	6	0.0	5.0	15n			19m	1.0	-55	125	1		TO88
104#	ZN321E	2		MON	.20	4.0	DTL	8	6	0.0	5.0	15n			19m	1.0	0	70	1		M126

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPA-GATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	ZN322	2		MON	.20	4.0	DTL	4	6	0.0	5.0	15n			19m	1.0	-55	125	2		TO88
2#	ZN322E	2		MON	.20	4.0	DTL	4	6	0.0	5.0	15n			19m	1.0	0	70	2		M126
3#	ZN348	2		MON	.20	4.0	DTL	7	6	0.0	5.0	15n			19m	1.0	-55	125	1		TO88
4#	ZN348E	2		MON	.20	4.0	DTL	7	6	0.0	5.0	15n			19m	1.0	0	70	1		M126
5#	ZSF51B	2		MON	.20	4.0	DTL	4	6	0.0	5.0	50n			19m		-55	125	1		CN2
6#	ZSF51CT	2		MON	.20	4.0	DTL		8	0.0	4.5	9.0n			19m	1.0	-55	125			TO5
7#	ZSF81B	2		MON	.20	4.0	DTL	4	6	0.0	5.0	50n			19m		0	70	1		CN2
8#	ZSF81CT	2		MON	.20	4.0	DTL		8	0.0	4.5	9.0n			19m	1.0	0	70			TO5
9#	ZSF111B	2		MON	.20	4.0	DTL	4	6	0.0	5.0	50n			19m		-55	125	1		CN2
10#	ZSF111CT	2		MON	.20	4.0	DTL		6	0.0	5.0	50n			19m		-55	125			
11#	ZSF131B	2		MON	.20	4.0	DTL	4	6	0.0	5.0	50n			19m		0	70	1		CN2
12#	ZSF131CT	2		MON	.20	4.0	DTL		6	0.0	5.0	50n			19m		0	70			
13#	9093DM	2		MON	1.7%	1.4*	DTL	4	10	0.0	5.0	75nΔ			140m§	1.0 Δ	-55	125	2	B02201	M294
14#	9093FM	2		MON	1.7%	1.4*	DTL	4	10	0.0	5.0	75nΔ			140m§	1.0 Δ	-55	125	2	B02201	FP28g
15#	9099DM	2		MON	1.7%	1.4*	DTL	4	10	0.0	5.0	75nΔ			140m§	1.0 Δ	-55	125	2	B02201a	M294
16#	9099FM	2		MON	1.7%	1.4*	DTL	4	10	0.0	5.0	75nΔ			140m§	1.0 Δ	-55	125	2	B02201a	FP28g
17#	9093BC	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	90nΔ			150m§	1.0 Δ	0	75	2	B02201	M126u
18#	9093DC	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	90nΔ			150m§	1.0 Δ	0	75	2	B02201	M294
19#	9093FC	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	90nΔ			150m§	1.0 Δ	0	75	2	B02201	FP28g
20#	9094BC	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	80nΔ			175m§	1.0 Δ	0	75	2	B02200	M126u
21#	9094DC	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	80nΔ			175m§	1.0 Δ	0	75	2	B02200	M294
22#	9094DM	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	80nΔ			162m§	1.0 Δ	-55	125	2	B02200	M294
23#	9094FC	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	80nΔ			175m§	1.0 Δ	0	75	2	B02200	FP28g
24#	9094FM	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	80nΔ			162m§	1.0 Δ	-55	125	2	B02200	FP28g
25#	9097BC	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	80nΔ			162m§	1.0 Δ	0	75	2	B02200a	M126u
26#	9097DC	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	80nΔ			162m§	1.0 Δ	0	75	2	B02200a	M294
27#	9097DM	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	80nΔ			162m§	1.0 Δ	-55	125	2	B02200a	M294
28#	9097FC	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	80nΔ			162m§	1.0 Δ	0	75	2	B02200a	FP28g
29#	9097FM	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	80nΔ			162m§	1.0 Δ	-55	125	2	B02200a	FP28g
30#	9099BC	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	90nΔ			140m§	1.0 Δ	0	75	2	B02201a	M126u
31#	9099DC	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	90nΔ			140m§	1.0 Δ	0	75	2	B02201a	M294
32#	9099FC	2		MON	1.8%	1.2*	DTL	4	10	0.0	5.0	90nΔ			140m§	1.0 Δ	0	75	2	B02201a	FP28g
33	SW705-1P	2	15M†	MON	1.8%	1.2*	DTL	4	10	0.0	5.0	50n%			80m†	1.0	-55	125	2	B02110	TO116
34	SW705-2M	2	15M†	MON	1.8%	1.2*	DTL	4	12	0.0	5.0	50n%			80m†	1.0	0	75	2	B02110	M105n
35	SW705-2P	2	15M†	MON	1.8%	1.2*	DTL	4	12	0.0	5.0	50n%			80m†	1.0	0	75	2	B02110	TO116
36	SW708-1P	2	18M†	MON	1.8%	1.2*	DTL	4	9	0.0	5.0	40n%			100m†	1.0	-55	125	2	B02110	TO116
37	SW708-2M	2	18M†	MON	1.8%	1.2*	DTL	4	11	0.0	5.0	40n%			100m†	1.0	0	75	2	B02110	M105n
38	SW708-2P	2	18M†	MON	1.8%	1.2*	DTL	4	11	0.0	5.0	40n%			100m†	1.0	0	75	2	B02110	TO116
39	MIC9093-1B	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0	5.5	75nΔ			70m	350m*	-55	125	2	B02190	FP32
40♦	MIC9093-1D	2	5.0M	MON	1.9%	1.1*	DTL	4	9	0.0	5.5	75nΔ			140m	350m*	-55	125	2	B02302	M313b
41	MIC9093-5B	2	5.0M	MON	1.9%	1.1*	DTL	4	12	0.0	5.0	75nΔ			75m	350m*	0	75	2	B02190	FP32
42♦	MIC9093-5D	2	5.0M	MON	1.9%	1.1*	DTL	4	11	0.0	5.0	75nΔ			150m	350m*	0	75	2	B02302	M313b
43#	MIC9093R3D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			140m§	650m	-40	85	2	B02190	M294b
44#	MIC9093R6D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			140m§	650m	-20	75	2	B02190	M294b
45#	MIC9093R7D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			150m§	650m	0	75	2	B02190	M294b
46#	MIC9093X1D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			140m§	650m	-55	125	2	B02190	M294b
47#	MIC9093X5D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			150m§	650m	0	75	2	B02190	M294b
48#	MIC9093XR3D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			140m§	650m	-40	85	2	B02190	M294b
49#	MIC9093XR6D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			140m§	650m	-20	75	2	B02190	M294b
50#	MIC9093XR7D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			150m§	650m	0	75	2	B02190	M294b
51	MIC9094-1B	2	5.0M	MON	1.9%	1.1*	DTL	4	9	0	5.5	65nΔ			81m	350m*	-55	125	2		FP32
52♦	MIC9094-1D	2	5.0M	MON	1.9%	1.1*	DTL	4	8	0.0	5.5	65nΔ			162m	350m*	-55	125	2	B02302	M313b
53	MIC9094-5B	2	5.0M	MON	1.9%	1.1*	DTL	4	11	0	5.0	65nΔ			87m	350m*	0	75	2		FP32
54♦	MIC9094-5D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	65nΔ			175m	350m*	0	75	2	B02302	M313b
55#	MIC9094X1D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			162m§	650m	-55	125	2	B02190	M294b
56#	MIC9094X5D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			175m§	650m	0	75	2	B02190	M294b
57	MIC9097-1B	2	5.0M	MON	1.9%	1.1*	DTL	5	9	0	5.5	65nΔ			81m	350m*	-55	125	2	B02191	FP32
58♦	MIC9097-1D	2	5.0M	MON	1.9%	1.1*	DTL	5	8	0.0	5.5	65nΔ			162m	350m*	-55	125	2	B02302a	M313b
59	MIC9097-5B	2	5.0M	MON	1.9%	1.1*	DTL	5	11	0	5.0	65nΔ			87m	350m*	0	75	2	B02191	FP32
60♦	MIC9097-5D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	65nΔ			175m	350m*	0	75	2	B02302a	M313b
61#	MIC9097X1D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			162m§	650m	-55	125	2	B02191	M294b
62#	MIC9097X5D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			162m§	650m	0	75	2	B02191	M294b
63	MIC9099-1B	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0	5.5	75nΔ			70m	350m*	-55	125	2		FP32
64♦	MIC9099-1D	2	5.0M	MON	1.9%	1.1*	DTL	5	9	0	5.5	75nΔ			140m	350m*	-55	125	2	B02302a	M313b
65	MIC9099-5B	2	5.0M	MON	1.9%	1.1*	DTL	5	12	0	5.0	75nΔ			75m	350m*	0	75	2		FP32
66♦	MIC9099-5D	2	5.0M	MON	1.9%	1.1*	DTL	5	11	0	5.0	75nΔ			150m	350m*	0	75	2	B02302a	M313b
67#	MIC9099R3D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			140m§	650m	-40	85	2	B02191	M294b
68#	MIC9099R6D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			140m§	650m	-20	75	2	B02191	M294b
69#	MIC9099R7D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			150m§	650m	0	75	2	B02191	M294b
70#	MIC9099X1D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			140m§	650m	-55	125	2	B02191	M294b
71#	MIC9099X5D	2	5.0M	MON	1.9%	1.1*	DTL	5	12	0.0	5.0	75nΔ			150m§	650m	0	75	2	B02191	M294b
72#	MIC9099XR3D	2	5.0M	MON	1.9%	1.1*	DTL	5	11	0.0	5.0	75nΔ			140m§	650m	-40	85	2	B02191	M294b
73#	MIC9099XR6D	2	5.0M	MON	1.9%	1.1*	DTL	5	11	0.0	5.0	75nΔ			140m§	650m	-20	75	2	B02191	M294b
74#	MIC9099XR7D	2	5.0M	MON	1.9%	1.1*	DTL	5	11	0.0	5.0	75nΔ			150m§	650m	0	75	2	B02191	M294b
75#	M5952P	2	7.0M*	MON	1.9%	1.1*	DTL	5	24	0.0	8.0	50n%			48m†	1.0 Δ	0	75	2	B02101	M105j
76#	M5953P	2	7.0M*	MON	1.9%	1.1*	DTL	4	24	0.0	8.0	50n%			48m†	1.0 Δ	0	75	2	B02102	M105j
77	SN158093F	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	12	0	8	75nΔ			80mΔ		0	75	2	B0291a	TO84
78	SN158093J	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	12	0	8	75nΔ			80mΔ		0	75	2	B0291a	TO116
79	SN158093N	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	12	0	8	75nΔ			80mΔ		0	75	2	B0291a	M126
80	SN158093R	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	12	0	8	75nΔ			80mΔ		0	75	2	B0291a	TO84
81	SN158094F	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0291a	TO84
82	SN158094J	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0291a	TO116
83	SN158094N	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0291a	M126
84	SN158094R	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0291a	TO84
85	SN158097F	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0292a	TO84
86	SN158097J	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0292a	TO116
87	SN158097N	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0292a	M126
88	SN158097R	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0292a	TO84
89	SN158099F	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	12	0	8	75nΔ			80mΔ		0	75	2	B0292a	TO84
90	SN158099J	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	12	0	8	75nΔ			80mΔ		0	75	2	B0292a	TO116
91	SN158099N	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	12	0	8	75nΔ			80mΔ		0	75	2	B0292a	M126
92	SN158099R	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	12	0	8	75nΔ			80mΔ		0	75	2	B0292a	TO84
93	SN159093F	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	10	0	8	75nΔ			70mΔ		-55	125	2	B0291a	TO84
94	SN159093J	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	10	0	8	75nΔ			70mΔ		-55	125	2	B0291a	TO116
95	SN159093N	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	10	0	8	75nΔ			70mΔ		-55	125	2	B0291a	M126
96	SN159093R	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	10	0	8	75nΔ			70mΔ		-55	125	2	B0291a	TO84
97	SN159094F	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	9	0	8	70nΔ			80mΔ		-55	125	2	B0291a	TO84
98	SN159094J	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	9	0	8	70nΔ			80mΔ		-55	125	2	B0291a	TO116
99	SN159094N	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	9	0	8	70nΔ			80mΔ		-55	125	2	B0291a	M126
100	SN159094R	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	9	0	8	70nΔ			80mΔ		-55	125	2	B0291a	TO84
101	SN159097F	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	9	0	8	70nΔ			80mΔ		-55	125	2	B0292a	TO84
102	SN159097J	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	9	0	8	70nΔ			80mΔ		-55	125	2	B0292a	TO116
103	SN159097N	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	9	0	8	70nΔ			80mΔ		-55	125	2	B0292a	M126
104	SN159097R	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	9	0	8	70nΔ			80mΔ		-55	125	2	B0292a	TO84
105	SN159099F	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	10	0	8	75nΔ			70mΔ		-55	125	2	B0292a	TO84
106	SN159099J	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	10	0	8	75nΔ			70mΔ		-55	125	2	B0292a	TO116
107	SN159099N	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	10	0	8	75nΔ			70mΔ		-55	125	2	B0292a	M126
108	SN159099R	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	10	0	8	75nΔ			70mΔ		-55	125	2	B0292a	TO84
109#	M5955P	2	9.0M*	MON	1.9%	1.1*	DTL	5	22	0.0	8.0	40n%			52m†	1.0 Δ	0	75	2	B02101b	M105j
110#	M5956P	2	9.0M*	MON	1.9%	1.1*	DTL	4	22	0.0	8.0	40n%			52m†	1.0 Δ	0	75	2	B02102a	M105j

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPA-GATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	FCJ201	2		MON	2.0%	1.0*	DTL	6	10	0	6					1.0	0	75	2		TO116
2	RM993D	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	40n			280mt	500m	-55	125	2		M105m
3	RM993J	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	40n			280mt	500m	-55	125	2		FP28
4	RM994D	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	35n			324mt	500m	-55	125	2		M105m
5	RM994J	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	35n			324mt	500m	-55	125	2		FP28
6	RM997D	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	35n			324mt	500m	-55	125	2		M105m
7	RM997J	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	35n			324mt	500m	-55	125	2		FP28
8	RM999D	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	40n			280mt	500m	-55	125	2		M105m
9	RM999J	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	40n			280mt	500m	-55	125	2		FP28
10#	FCJ121	2	5.0M	MON	2.0%	1.0*	DTL	5†	8	0	8				100m		0	75	2	B02139	TO116
11	RM215D	2	5.0M†	MON	2.0%	1.0*	DTL	8	15	0	6.0				55mt	550m	-55	125	1	B0255	M105k
12	RM215G	2	5.0M†	MON	2.0%	1.0*	DTL	8	15	0	6.0				55mt	550m	-55	125	1	B0255	TO84
13	RM215T	2	5.0M†	MON	2.0%	1.0*	DTL	8	15	0	6.0				55mt	550m	-55	125	1	B0255	TO101
14	RM225D	2	14M†	MON	2.0%	1.0*	DTL	8	10	0	6.0				55mt	550m	-55	125	1		M105m
15	RM225G	2	14M	MON	2.0%	1.0*	DTL	8	10†	0.0	6.0	60n%			35m	550m*	-55	125	1	B0267a	FP21e
16	RM225T	2	14M	MON	2.0%	1.0*	DTL	8	10†	0.0	6.0	60n%			35m	550m*	-55	125	1	B0267a	CN18
17#	FCJ101	2	5.0M	MON	2.3%	.80*	DTL	7	7	0	6				81m	1.2 Δ	0	75	1	B0267a	TO116
18	SN15931	2	7.0MΔ	MON	2.4%	.4*†	DTL	7	14	0	8	75nΔ			20m		-55	125	1	B0287	TO84
19	SN15945	2	7.0MΔ	MON	2.4%	.4*†	DTL	7	20	0	8	75nΔ			20m		-55	125	1	B02103	TO84
20	SN15948	2	7.0MΔ	MON	2.4%	.4*†	DTL	7	18	0	8	75nΔ			20m		-55	125	1	B02103a	TO84
21	MC952F	2		MON	2.6%	.40*	DTL	4	20	0.0	5.0	40n			120mt		-55	125	2	B02101	TO86
22	MC952L	2		MON	2.6%	.40*	DTL	4	20	0.0	5.0	40n			120mt		-55	125	2	B02101	TO116
23	MC953F	2		MON	2.6%	.40*	DTL	4	20	0.0	5.0	40n			120mt		-55	125	2	B02101a	TO86
24	MC953L	2		MON	2.6%	.40*	DTL	4	20	0.0	5.0	40n			120mt		-55	125	2	B02101a	TO116
25	MC955F	2		MON	2.6%	.40*	DTL	4	18	0.0	5.0	40n			140mt		-55	125	2	B02101b	TO86
26	MC955L	2		MON	2.6%	.40*	DTL	4	18	0.0	5.0	40n			140mt		-55	125	2	B02101b	TO116
27	MC956F	2		MON	2.6%	.40*	DTL	4	18	0.0	5.0	40n			140mt		-55	125	2	B02101c	TO86
28	MC956L	2		MON	2.6%	.40*	DTL	4	18	0.0	5.0	40n			140mt		-55	125	2	B02101c	TO116
29#	DN1093	2	7.0MΔ	MON	2.6%	.40*	DTL	4	12	0.0	5.0	50n%			48mt	1.0 Δ	0	75	2	B02102	TO116
30#	DN1099	2	7.0MΔ	MON	2.6%	.40*	DTL	5	12	0.0	5.0	50n%			48mt	1.0 Δ	0	75	2	B02101	TO116
31#	DN1094	2	8.0MΔ	MON	2.6%	.40*	DTL	4	11	0.0	5.0	40n%			52mt	1.0 Δ	0	75	2	B02102a	TO116
32#	DN1097	2	8.0MΔ	MON	2.6%	.40*	DTL	5	11	0.0	5.0	40n%			52mt	1.0 Δ	0	75	2	B02101b	TO116
33	DM9093N	2		MON	2.6%	.45†*	DTL	4		0.0	5.0	100nΔ			180m%		0	75	2	B02190	M344
34	DM9094N	2		MON	2.6%	.45†*	DTL	4		0.0	5.0	100nΔ			225m%		0	75	2	B02190a	M344
35	DM9097N	2		MON	2.6%	.45†*	DTL	8		0.0	5.0	100nΔ			225m%		0	75	1	B02191a	M344
36	DM9099N	2		MON	2.6%	.45†*	DTL	8		0.0	5.0	100nΔ			180m%		0	75	1	B02191b	M344
37	HEPC1052P-RT	2		MON	2.60%	.45*†	DTL	4		0.0	5.0	40n			120mt		0	75	2	B02254	TO116
38	MC852F	2		MON	2.6%	.45*	DTL	4	24	0.0	5.0	40n			120mt		0	75	2	B02101	TO86
39	MC852L,P%	2		MON	2.6%	.45*	DTL	4	24	0.0	5.0	40n			120mt		0	75	2	B02101	TO116
40	MC853F	2		MON	2.6%	.45*	DTL	4	24	0.0	5.0	40n			120mt		0	75	2	B02101a	TO86
41	MC853L,P%	2		MON	2.6%	.45*	DTL	4	24	0.0	5.0	40n			120mt		0	75	2	B02101a	TO116
42	MC855F	2		MON	2.6%	.45*	DTL	4	22	0.0	5.0	40n			140mt		0	75	2	B02101b	TO86
43	MC855L,P%	2		MON	2.6%	.45*	DTL	4	22	0.0	5.0	40n			140mt		0	75	2	B02101b	TO116
44	MC856F	2		MON	2.6%	.45*	DTL	4	22	0.0	5.0	40n			140mt		0	75	2	B02101c	TO86
45	MC856L,P%	2		MON	2.6%	.45*	DTL	4	22	0.0	5.0	40n			140mt		0	75	2	B02101c	TO116
46	SN15831	2	7.0MΔ	MON	2.6%	.45*†	DTL	7	14	0	8	75nΔ			30mt		0	75	1	B0287	TO84
47	SN15831N	2	7.0MΔ	MON	2.6%	.45*†	DTL	7	14	0	8	75nΔ			30mt		0	75	1	B0287	M126
48	SN15845	2	7.0MΔ	MON	2.6%	.45*†	DTL	7	24	0	8	75nΔ			20mt		0	75	1	B02103	TO84
49	SN15845N	2	7.0MΔ	MON	2.6%	.45*†	DTL	7	24	0	8	75nΔ			20mt		0	75	1	B02103	M126
50	SN15848	2	7.0MΔ	MON	2.6%	.45*†	DTL	7	22	0	8	70n%			20mt		0	75	1	B02103a	TO84
51	SN15848N	2	7.0MΔ	MON	2.6%	.45*†	DTL	7	22	0	8	75nΔ			20mt		0	75	1	B02103a	M126
52	SN530	2		MON	2.7	.30	DTL	6	10	0	4	60n	45n	40n	27m	200m	-55	125	1	B024c	ZB5
53#	FQJ121	2	5.0M%	MON	3.1%	.45†*	DTL	3†	12	0.0	5.0	25n%	75n	75n	150m	1.0 Δ	0	75	2	B02201	TO116
54#	FQJ141	2	5.0M%	MON	3.1%	.45†*	DTL	3†	12	0.0	5.0	25n%	75n	75n	150m	1.0 Δ	0	75	2	B02200	TO116
55	SP322B	2		MON	3.6%	.60†*	DTL	5	9	0.0	5.0					1.1 *	0	75	2	B02250	M256
56#	FQJ131	2	5.0M%	MON	4.3%	.45†*	DTL	3†	11	0.0	5.0	25n%	75n	65n	127m	1.0 Δ	0	75	2	B02201a	TO116
57#	FQJ151	2	5.0M%	MON	4.3%	.45†*	DTL	3†	11	0.0	5.0	25n%	75n	65n	175m	1.0 Δ	0	75	2	B02200a	TO116
58	K202	2	100k	PCB	5.0	0.0	DTL	2	15	0.0	5.0	5.0u	240u	120u	550m	1.6	0	65	2		
59	I100	2	5.0M	PCB	5.0	0.0	DTL	7	10	4.8	5.2	50n	50n	25n	450m	1.0	0	70	6		CBØ
60	I106	2	5.0M	PCB	5.0	0.0	DTL	5	10	4.8	5.2	50n	50n	25n	600m	1.0	0	70	8		CBØ
61	I107	2	5.0M	PCB	5.0	0.0	DTL	4	10	4.8	5.2	50n	50n	25n	600m	1.0	0	70	8		CBØ
62#	FCJ111	2	3.0M	MON	5.3%	.4†*	DTL	5	8	0	8	140n			73m		0	75	1	B038v	TO116
63	312CJ	2		MON	6.5*	5.0%	DTL	5	5	0.0	12	80nΔ			280m	3.5	-35	80	2	B038q	M319
64	ITT312-1D	2			6.5	5.0	DTL	5		0.0	12	80nΔ					-55	125	2	B02259	M200d
65	ITT312-5D	2			6.5	5.0	DTL	5		0.0	12	80nΔ					-30	85	2	B02259	M200d
66	311CJ	2	2.0M†Ø	MON	6.5*	5.0%	DTL	10	5	0.0	12	255nΔ			180m	3.5	-35	80	1	B02148	M319
67	312AJ	2	5.0M†%	MON	6.5*	5.0%	DTL	5	5	0.0	15	600nΔ			620mt	3.2	-30	70	2	B038q	M319
68	312AL	2	5.0M†%	MON	6.5*	5.0%	DTL	5	5	0.0	15	600nΔ			620mt	3.2	-30	70	2	B038q	M200j
69	312BL	2	5.0M†%	MON	6.5*	5.0%	DTL	5	5	0.0	12	600nΔ			360mt	3.5	-55	125	2	B038q	M200j
70	312CL	2	5.0M†%	MON	6.5*	5.0%	DTL	5	5	0.0	12	600nΔ			360mt	3.5	-30	85	2	B038q	M200j
71	312ML	2	5.0M†%	MON	6.5*	5.0%	DTL	5	5	0.0	15	600nΔ			620mt	3.2	-55	125	2	B038q	M200j
72	313AJ	2	5.0M†%	MON	6.5*	5.0%	DTL	5	5	0.0	15	600nΔ			620mt	3.2	-30	70	2	B038q	M319
73	313AL	2	5.0M†%	MON	6.5*	5.0%	DTL	5	5	0.0	15	600nΔ			620mt	3.2	-30	70	2	B038q	M200j
74	313BL	2	5.0M†%	MON	6.5*	5.0%	DTL	5	5	0.0	12	600nΔ			360mt	3.5	-55	125	2	B038q	M200j
75	313CJ	2	5.0M†%	MON	6.5*	5.0%	DTL	5	5	0.0	12	600nΔ			360mt	3.5	-30	85	2	B038q	M319
76	313CL	2	5.0M†%	MON	6.5*	5.0%	DTL	5	5	0.0	12	600nΔ			360mt	3.5	-30	85	2	B038q	M200j
77	313ML	2	5.0M†%	MON	6.5*	5.0%	DTL	5	5	0.0	15	600nΔ			620mt	3.2	-55	125	2	B038q	M200j
78	311AJ	2		MON	7.0*	5.0%	DTL	10	6	0.0	15	820nΔ			375mt	3.2	-30	70	1	B02148	M319
79	311AL	2		MON	7.0*	5.0%	DTL	10	6	0.0	15	820nΔ			375mt	3.2	-30	70	1	B02148	M200j
80	311BL	2		MON	7.0*	5.0%	DTL	10	6	0.0	12	820nΔ			216mt	3.5	-55	125	1	B02148	M200j
81	311CL	2		MON	7.0*	5.0%	DTL	10	6	0.0	12	820nΔ			216mt	3.5	-30	85	1	B02148	M200j
82	311ML	2		MON	7.0*	5.0%	DTL	10	6	0.0	15	820nΔ			375mt	3.2	-55	125	1	B02148	M200j
83♦#	FZJ121	2	500k%	MON	7.5%	4.0*	DTL	5	10	0.0	12				288m§	5.0 Δ	0	70	2	B02266	M117aa
84♦#	FZJ125	2	500k%	MON	7.5%	4.0*	DTL	5	10	0.0	12				288m§	5.0 Δ	-25	85	2	B02266	M117aa
85♦#	FZJ101	2	500k%	MON	7.5%	4.5*	DTL	7	10	0.0	12	770nΔ	340nt	120nt	168m§	5.0 Δ	0	70	1	B02242	M117aa
86♦#	FZJ105	2	500k%	MON	7.5%	4.5*	DTL	7	10	0.0	12	770nΔ	340nt	120nt	168m§	5.0 Δ	-25	85	1	B02242	M117aa
87♦#	FZJ111	2	500k%	MON	7.5%	4.5*	DTL	10	10	0.0	12	770nΔ	340nt	120nt	168m§	5.0 Δ	0	70	1	B02242a	M117aa
88♦#	FZJ115	2	500k%	MON	7.5%	4.5*	DTL	10	10	0.0	12	770nΔ	340nt	120nt	168m§	5.0 Δ	-25	85	1	B02242a	M117aa
89♦#	H159D1	2		MON	8.0%	6.0*	DTL	2	25	0.0	20	770nΔ				5.0 Δ	0	75			
90♦#	H165D1	2		MON	8.0%	6.0*	DTL	2	25	0.0	20					5.0 Δ	0	75			
91♦#	H166D1	2		MON	8.0%	6.0*	DTL	2	25	0.0	20					5.0 Δ	0	75			
92♦#	H110D1	2	1.0M†%	MON	8.0%	6.0*	DTL	4	25	0.0	20	600nΔ			700m§	5.0 Δ	0	75	2	B02245	M294
93♦#	H110D2	2	1.0M†%	MON	8.0%	6.0*	DTL	4	16	0.0	20	600nΔ			384m§	5.0 Δ	-55	125	2	B02245	M294
94♦#	H110D6	2	1.0M†%	MON	8.0%	6.0*	DTL	4	16	0.0	20	600nΔ			448m§	5.0 Δ	-40	85	2	B02245	M443a
95♦#	H111D1	2	1.0M†%	MON	8.0%	6.0*	DTL	4	25	0.0	20	600nΔ			700m§	5.0 Δ	0	75	2	B02245a	M200c
96♦#	H111D2	2	1.0M†%	MON	8.0%	6.0*	DTL	4	16	0.0	20	600nΔ			384m§	5.0 Δ	-55	125	2	B02245a	M200c
97♦#	H111D6	2	1.0M†%	MON	8.0%	6.0*	DTL	4	16	0.0	20	600nΔ			448m§	5.0 Δ	-40	85	2	B02245a	M200c
98♦#	H210B1	2	1.0M†%	MON	8.0%	6.0*	DTL	2	25	0.0	16	600nΔ			700m%	5.0 Δ	0	75	2	B02245	M443
99♦#	H211B1	2	1.0M†%	MON	8.0%	6.0*	DTL	2	25	0.0	16	600nΔ			700m%	5.0 Δ	0	75	2	B02245a	M200c
100	MC12663L,P%	2	3.0M†%	MON	11%	1.8*†	DTL	4	9	0.0	12	180n	4.0n	4.0n	200mt		-30	75	2	B038t	TO116
101	MC688L	2	2.5M†Ø	MON	12.5%	1.50*†	DTL	5	10	0.0	15	450n			375mt		-30	75	2	B02271	M191
102	MC688P	2	2.5M†Ø	MON	12.5%	1.50*†	DTL	5	10	0.0	15	450n			375mt		-30	75	2	B02271	M278
103	MC663L,P%	2	3.0M†%	MON	12.5%	1.5*†	DTL	4	9	0.0	15	180n	36nt	5.0nt	200mt		-30	75	2	B038t	TO116
104♦	SP321A	2	10M†		38	.60	DTL		13	0	6	35n			90mt	800m		75	2		M114c
105	HEP558-RT	2					ECT		5	0.0	6.0	15n			87m						CN8
106	MC308F	2	30M	MON	.75	-1.6	ECT	3	25	5.2	0	12n	16n	18n	85m		-55	125	1	B0231	TO91
107	MC308G	2	30M	MON	.75	-1.6	ECT	3	25	5.2	0	12n	16n	18n	85m		-55	125	1	B0231	CN9
108	MC1032P	2	75M†Ø	MON	-.70	-1.8	ECT	5	25	5.2	0.0	5.0n%	8.5n	8.5n	180mt		0	75	2	B02214	M278
109	MC1232F	2	75M†Ø	MON	-.70	-1.8	ECT	5	25	5.2	0.0	5.0n%	8.5n	8.5n	180mt		-55	125	2	B02214	TO86
110	MC1232L	2	75M†Ø	MON	-.70	-1.8	ECT	5	25	5.2	0.0	5.0n%	8.5n	8.5n	180mt		-55	125	2	B02214	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC1027P	2	100Mt Ø	MON	-.70	-1.8	ECT	10	25	5.2	0.0	4.0n%	6.0n	6.0n	250mt		0	75	1	B02104	TO116
2	MC1227F	2	100Mt Ø	MON	-.70	-1.8	ECT	10	25	5.2	0.0	4.0n%	6.0n	6.0n	250mt		0	75	1	B02104	TO86
3	MC1227L	2	100Mt Ø	MON	-.70	-1.8	ECT	10	25	5.2	0.0	4.0n%	6.0n	6.0n	250mt		-55	125	1	B02104	TO116
4	MC314F	2	30M	MON	-.75	-1.6	ECT	2	25	5.2	0	16n	16n	16n	150m		-55	125		B0276	TO91
5	MC314G	2	30M	MON	-.75	-1.6	ECT	2	25	5.2	0	16n	16n	16n	150m		-55	125		B0276	CN9
6	MC364F	2	30M	MON	-.75	-1.6	ECT	2	25	5.2	0	16n	16n	16n	150m		0	75		B0277	TO91
7	MC364G	2	30M	MON	-.75	-1.6	ECT	2	25	5.2	0	16n	16n	16n	150m		0	75		B0277	CN9
8	MC358F	2	40M	MON	-.75	-1.6	ECT	6		5.2	0	16nΔ	16n	16n	48m		0	75	1	B027	TO91
9	MC358G	2	40M	MON	-.75	-1.6	ECT	6		5.2	0	16nΔ	16n	16n	48m		0	75	1	B027	CN9
10♦#	SP1213	2	85M	MON	-.75	-1.6†	ECT	10	25	5.2	0.0	6.0n			125mt		-55	125	1	B02104	M257a
11♦#	SP1032	2	100M	MON	-.75	-1.6†	ECT	5	25	5.2	0.0	4.5n			180mt		0	75	2	B02299	M200g
12♦#	SP1232	2	100M	MON	-.75	-1.6†	ECT	5	25	5.2	0.0	4.5n			180mt		-55	125	2	B02299	M200g
13♦#	SP1027	2	120M	MON	-.75	-1.6†	ECT	10	25	5.2	0.0	4.0n			250mt		0	75	1	B02298	M257a
14♦#	SP1227	2	120M	MON	-.75	-1.6†	ECT	10	25	5.2	0.0	4.0n			250mt		-55	125	1	B02298	M257a
15	MC1013P	2	70Mt Ø	MON	-.85%	-1.5*†	ECT	10	25	5.2	0.0	6.0n	7.5n	7.5n	125mt		0	75	1	B02202	TO116
16	MC1213F	2	70Mt Ø	MON	-.85%	-1.5*†	ECT	10	25	5.2	0.0	6.0n	7.5n	7.5n	125mt		-55	125	1	B02202	TO86
17	MC1213L	2	70Mt Ø	MON	-.85%	-1.5*†	ECT	10	25	5.2	0.0	6.0n	7.5n	7.5n	125mt		-55	125	1	B02202	TO116
18	N1027A	2			-.85	-1.8	ECT	4	25	5.2	0.0	4.0n	8.5n	8.5n	250m	400m	0	75			M153a
19	N1013A	2	85M		-.85	-1.8	ECT	4	25	5.2	0.0	6.0n	8.5n	8.5n	125m	400m	0	75			M153a
20	MC10535F	2	140Mt%	MON	-.93%	1.6*†	ECT	5		5.2	0.0	4.5nΔ	5.0n	5.0n	280mt		-55	125	2	B02278	FP85
21	MC10535L	2	140Mt%	MON	-.93%	1.6*†	ECT	5		5.2	0.0	4.5nΔ	5.0n	5.0n	280mt		-55	125	2	B02278	M191
22	10135F	2	140Mt%	MON	-.96%	-1.6*†	ECT	5		5.2	0.0	3.0n	4.5n	45n	235mt		-30	85	2	B02268	M153e
23	MC10135L	2	140Mt%	MON	-.96%	-1.6*†	ECT	5		5.2	0.0	3.0n%	2.0nt	2.0nt	280mt		-30	85	2	B02268	M191
24	MC10135P	2	140Mt%	MON	-.96%	-1.6*†	ECT	5		5.2	0.0	3.0n%	2.0nt	2.0nt	280mt		-30	85	2	B02268	M278
25	SN10135J	2	125MØ	MON	-.98%	-1.6*	ECT	5		5.2	0.0	3.5n			208mt		0	85	2	B02296	M153d
26	SN10135N	2	125MØ	MON	-.98%	-1.6*	ECT	5		5.2	0.0	3.5n			208mt		0	85	2	B02296	M117x
27▼	SN10302J	2	150Mt%	MON	-.98%	-1.6*	ECT			5.2	0.0	3.5n			268m		0	85	2	B02296	M153d
28▼	SN10302N	2	150Mt%	MON	-.98%	-1.6*	ECT			5.2	0.0	3.5n			268m		0	85	2	B02296	M117x
29	HEPC3400P-RT	2		MON	-1.8%	-.70*†	ECT	10	25	5.2	0.0	8.5nΔ	7.5n	7.5n	125mt		0	75	1	B02202	TO116
30	HEPC3401P-RT	2		MON	-1.8%	-.70*†	ECT	10	25	5.2	0.0	6.0nΔ	6.0n	6.0n	250mt		0	75	1	B02202	TO116
31	9923EC	2		MON			RTL	4	20	0.0	3.6	15n					15	55	1	B0221	CN34
32	HEP572-RT	2					RTL	4	10	0.0	4.0	36n			250m				2		TO116
33	HEP583-RT	2					RTL	4	2	0.0	4.0	80n			23m				1		TO99
34	9923HC	2	2.0M	MON			RTL	4	20	0.0	3.6	15n					0	70	1	B0221	TO99
35	MC9702P	2	4.0Mt	MON			RTL	4	3	0.0	3.6	55n			182m		15	55	2	B02246	TO116
36	MC9722P	2	4.0Mt	MON			RTL	4	4	0.0	3.6	75n			24mt		15	55	2	B02198	TO116
37	MC9802P	2	4.0Mt	MON			RTL	4	3	0.0	3.6	55n			182m		0	75	2	B02246	TO116
38	MC9822P	2	4.0Mt	MON			RTL	4	4	0.0	3.6	75n			24mt		0	75	2	B02198	TO116
39	MC920F	2		MON	.75%	.45*	RTL	4	4	0.0	4	50n			15mt		-55	125	1	B0230a	TO91
40	MC920G	2		MON	.75%	.45*	RTL	4	4	0.0	4	50n			15mt		-55	125	1	B0230a	TO99
41	MC922F	2		MON	.75%	.45*	RTL	5	8	0.0	4	70n			17mt		-55	125	1	B0227	TO91
42	MC922G	2		MON	.75%	.45*	RTL	5	8	0.0	4	70n			17mt		-55	125	1	B0227	TO100
43	MC976F	2		MON	.75%	.45*	RTL	4	4	0	4	50n			31mt		-55	125	2	B02119	TO86
44	MC982G	2		MON	.75%	.45*	RTL	4	4	0	4				15mt		-55	125	1	B02120	TO99
45	MC820F	2		MON	.80%	.46*	RTL	4	4	0.0	4	50n			20mt		0	75	1	B0230a	TO91
46	MC820G	2		MON	.80%	.46*	RTL	4	4	0.0	4	50n			20mt		0	75	1	B0230a	TO99
47	MC822F	2		MON	.80%	.46*	RTL	5	8	0	4	70n			24mt		0	75	1	B0227	TO91
48	MC822G	2		MON	.80%	.46*	RTL	5	8	0	4	70n			24mt		0	75	1	B0227	TO100
49	MC876F	2		MON	.80%	.46*	RTL	4	4	0	4	50n			41mt		0	75	2	B02119	TO86
50	MC882G	2		MON	.80%	.46*	RTL	4	4	0	4				23mt		0	75	1	B02120	TO99
51	MC722P	2	1.0Mt	MON	.80%	.46*	RTL	5	8	0.0	3.6				35mt		15	55	1	B0227a	TO116
52	MC876P	2	3.0Mt Ø	MON	.80%	.46*	RTL	4	4	0.0	3.6				41m		0	75	2	B02113	TO116
53	MC916F	2		MON	.82%	.57*	RTL	4	6	0	4	35n			54mt		-55	125	1	B0230	TO91
54	MC916G	2		MON	.82%	.57*	RTL	4	6	0	4	30n			54mt		-55	125	1	B0230	TO99
55	MC974G	2		MON	.82%	.57*	RTL	4	10	0	4	35n			65mt		-55	125	1	B02118	TO99
56	MC990F	2		MON	.82%	.57*	RTL	4	6	0	4	35n			108mt		-55	125	2	B02121	TO86
57	MC991F	2	4.0Mt	MON	.82%	.57*	RTL	4	10	0	4	40n			115mt		-55	125	2	B02118b	TO86
58	MC926F	2	8Mt%	MON	.82%	.57*	RTL	5	5	0	4	35n			130mt	100m	-55	125	1	B0227	TO91
59	MC926G	2	8Mt%	MON	.82%	.57*	RTL	5	5	0	4	35n			130mt	100m	-55	125	1	B0227	TO100
60	MC816F	2		MON	.84%	.55*	RTL	4	6	0	4	35n			54mt		0	100	1	B0230	TO91
61	MC816G	2		MON	.84%	.55*	RTL	4	6	0	4	30n			54mt		0	100	1	B0230	TO99
62	MC874G	2		MON	.84%	.55*	RTL	4	10	0	4	35n			65mt		0	100	1	B02118	TO99
63	MC890F	2		MON	.84%	.55*	RTL	4	6	0	4	35n			108mt		0	100	2	B02121	TO86
64	MC891F	2	4.0Mt	MON	.84%	.55*	RTL	4	10	0	4	40n			115mt		0	100	2	B02118b	TO86
65	MC826F	2	8Mt%	MON	.84%	.55*	RTL	5	5	0	4	35n			130mt	100m	0	100	1	B0227	TO91
66	MC826G	2	8Mt%	MON	.84%	.55*	RTL	5	5	0	4	35n			130mt	100m	0	100	1	B0227	TO100
67	MC822P	2	1.0Mt	MON	.85%	.46*	RTL	5	8	0.0	3.6				35mt		0	75	1	B0227a	TO116
68	MC776P	2	3.0Mt Ø	MON	.85%	.46*	RTL	4	4	0.0	3.6				41m		15	55	2	B02113	TO116
69	MC723P	2	4.0Mt	MON	.85%	.46*	RTL	4	20	0.0	3.6				91m		15	55	2	B0230b	TO116
70	MC726P	2	4.0Mt	MON	.85%	.46*	RTL	5	32	0.0	3.6				100mt	300m	15	55	2	B0227a	TO116
71	MC790P	2	4.0Mt	MON	.85%	.46*	RTL	4	20	0.0	3.6				182mt		15	55	2	B02121a	TO116
72	MC791P	2	4.0Mt	MON	.85%	.46*	RTL	4	32	0.0	3.6	40n			115mt		15	55	2	B02118a	TO116
73	MC816P	2	4.0Mt	MON	.88%	.50*	RTL	4	20	0.0	3.6				91mt		0	75	1	B0230b	TO116
74	MC826P	2	4.0Mt	MON	.88%	.50*	RTL	5	32	0.0	3.6				100mt	300m	0	75	1	B0227a	TO116
75	MC890P	2	4.0Mt	MON	.88%	.50*	RTL	4	20	0.0	3.6				182mt		0	75	2	B02121a	TO116
76	MC891P	2	4.0Mt	MON	.88%	.50*	RTL	4	32	0.0	3.6	40n			115mt		0	75	2	B02118a	TO116
77	MC720F	2		MON	1.1	.10	RTL	4	4	0.0	4	50n			20mt		15	55	1	B0230	TO91
78	MC720G	2		MON	1.1	.10	RTL	4	4	0.0	4	50n			20mt		15	55	1	B0230	TO99
79	MC722F	2		MON	1.1	.10	RTL	5	8	0	4	70n			24mt		15	55	1	B0227	TO91
80	MC722G	2		MON	1.1	.10	RTL	5	8	0	4	70n			24mt		15	55	1	B0227	TO100
81	MC782G	2		MON	1.1	.10	RTL	4	4	0	4	80n			23mt		15	55	1	B02120	TO99
82	MC791F	2		MON	1.1	.10	RTL	4	22	0	4	40n			190mt		15	55	2	B02118b	TO86
83	MC776F	2	3.0M	MON	1.1	.10	RTL	4	4	0	4	50n			82mt		15	55	2	B02119	TO86
84	MC723F	2	4.0Mt	MON	1.1	.10	RTL	4	20	0.0	3.6	35n			91mt		15	55	1	B0230	TO91
85	MC723G	2	4.0Mt	MON	1.1	.10	RTL	4	20	0.0	3.6	35n			91mt		15	55	1	B0230	TO99
86	MC726F	2	4.0M	MON	1.1	.10	RTL	5	32	0	4	36n			100mt		15	55	1	B0227	TO91
87	MC726G	2	4.0M	MON	1.1	.10	RTL	5	32	0	4	36n			100mt		15	55	1	B0227	TO100
88	MC790F	2	4.0M	MON	1.1	.10	RTL	4	20	0	4	35n			182mt		15	55	2	B02121	TO86
89	9967DC	2	35M	MON	2.5	.50†	RTL	8	12	2.0	4.5				1.0	500m	15	55	1	B02149	TO116
90#	GTB74S112	2		MON			TTL	5	10	0.0	5.0	3.0n			37mΔ		0	70	2	B02257	
91	RF3130D	2	75Mt	MON			TTL	3	11	0	5				110mt	1.1	-55	125	2		M105m
92	RF3130K	2	75Mt	MON			TTL	3	11	0	5				110mt	1.1	-55	125	2		FP21b
93	RF3132D	2	75Mt	MON			TTL	3	9	0	5				110mt	1.1	0	75	2		M105m
94	RF3132K	2	75Mt	MON			TTL	3	9	0	5				110mt	1.1	0	75	2		FP21b
95♦#	FLJ271-74107	2	20M%	ΔMON	1.4%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m§	1.0 Δ	0	70	2	B02211	M126p
96♦#	FLJ275-84107	2	20MΔ%	MON	1.4%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m§	1.0 Δ	-25	85	2	B02211	M126p
97#	T100D2	2	20Mt%	MON	1.4%	.90*	TTL	10	10	0.0	5.0	30nΔ			115m§	1.0 Δ	-55	125	1	B02167	M294
98#	T100F2	2	20Mt%	MON	1.4%	.90*	TTL	10	10	0.0	5.0	30nΔ			115m§	1.0 Δ	-55	125	1	B02167	FP28g
99#	T101D2	2	50Mt%	MON	1.4%	.90*	TTL	10	10	0.0	5.0	30nΔ			140m§	1.0 Δ	-55	125	1	B02168	M294
100#	T101F2	2	50Mt%	MON	1.4%	.90*	TTL	10	10	0.0	5.0	30nΔ			140m§	1.0 Δ	-55	125	1	B02168	FP28g
101#	T120D2	2	50Mt%	MON	1.4%	.90*	TTL	5	10	0.0	5.0	32nΔ			300m§	1.0 Δ	-55	125	2	B02224	M200m
102#	T121D2	2	50Mt%	MON	1.4%	.90*	TTL	5	10	0.0	5.0	32nΔ			300m§	1.0 Δ	-55	125	2	B02225	M200m
103#	T100B1	2	20Mt%	MON	1.6%	.85*	TTL	10	10	0.0	5.0	30nΔ			140m§	1.0 Δ	0	75	1	B02167	M126u
104#	T100D1	2	20Mt%	MON	1.6%	.85*	TTL	10	10	0.0	5.0	30nΔ			140m§	1.0 Δ	0	75	1	B02167	M294
105#	T100F1	2	20Mt%	MON	1.6%	.85*	TTL	10	10	0.0	5.0	30nΔ			140m§	1.0 Δ	0	75	1	B02167	FP28g
106#	T101B1	2	50Mt%	MON	1.6%	.85*	TTL	10	10	0.0	5.0	30nΔ			165m§	1.0 Δ	0	75	1	B02168	M126u
107#	T101D1	2	50Mt%	MON	1.6%	.85*	TTL	10	10	0.0	5.0	30nΔ			165m§	1.0 Δ	0	75	1	B02168	M294
108#	T101F1	2	50Mt%	MON	1.6%	.85*	TTL	10	10	0.0	5.0	30nΔ			165m§	1.0 Δ	0	75	1	B02168	FP28g
109#	T120B1	2	50Mt%	MON	1.6%	.85*	TTL	5	10	0.0	5.0	32nΔ			300m§	1.0 Δ	0	75	2	B02224	M267
110#	T120D1	2	50Mt%	MON	1.6%	.85*	TTL	5	10	0.0	5.0	32nΔ			300m§	1.0 Δ	0	75	2	B02224	M200m

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPA-GATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	T121B1	2	50Mt%	MON	1.6%	.85*	TTL	5	10	0.0	5.0	32nΔ			300m§	1.0 Δ	0	75	2	B02225	M267
2#	T121D1	2	50Mt%	MON	1.6%	.85*	TTL	5	10	0.0	5.0	32nΔ			300m§	1.0 Δ	0	75	2	B02225	M200m
3#	T176D2	2		MON	1.7%	.90*	TTL	10	10	0.0	5.0					400m	-55	125			M200m
4#	T176F2	2		MON	1.7%	.90*	TTL	10	10	0.0	5.0					400m	-55	125			
5	9000DM	2	20Mt%	MON	1.7%	.90*	TTL	8		0.0	5.0	12n					-55	125	1	B02185	M157
6	9000FM	2	20Mt%	MON	1.7%	.90*	TTL	8		0.0	5.0	12n					-55	125	1	B02185	FP28b
7	9024DM	2	25Mt%	MON	1.7%	.90*	TTL			0.0	5.0	25n			140m	400m	-55	125	1	B02185	M153a
8	9024FM	2	25Mt%	MON	1.7%	.90*	TTL			0.0	5.0	25n			140m	400m	-55	125	1	B02185	FP47a
9#	MIC9024-1D	2	25Mt%	MON	1.7%	.90*	TTL			0.0	5.0	25n			140m	400m	0	75	1	B02185	M153a
10	9001DM	2	50Mt%	MON	1.7%	.90*	TTL	8		0.0	5.0	12n					-55	125	1	B02185	M157
11	9001FM	2	50Mt%	MON	1.7%	.90*	TTL	8		0.0	5.0	12n					-55	125	1	B02185	FP28b
12	9020DM	2	50Mt%	MON	1.7%	.90*	TTL	4		0.0	5.0	12n					-55	125	2	B02187	M153a
13	9020FM	2	50Mt%	MON	1.7%	.90*	TTL	5		0.0	5.0	12n					-55	125	2	B02187	FP47a
14	9022DM	2	50Mt%	MON	1.7%	.90*	TTL	4		0.0	5.0	12n					-55	125	2	B02187	M153a
15	9022FM	2	50Mt%	MON	1.7%	.90*	TTL	4		0.0	5.0	12n					-55	125	2	B02187	FP47a
16#	MIC9020-1D	2	50Mt%	MON	1.7%	.90*	TTL	5		0.0	5.0	12n					0	75	2	B02187	M153a
17#	MIC9022-1D	2	50Mt%	MON	1.7%	.90*	TTL	4		0.0	5.0	12n					0	75	2	B02187	M153a
18	TF50F	2	30MΔ%	MON	1.7%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0242	FP21c
19	TF50J	2	30MΔ%	MON	1.7%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0242	TO116
20	TF51F	2	30MΔ%	MON	1.7%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0242	FP21c
21	TF51J	2	30M%Δ	MON	1.7%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0242	TO116
22	TF60F	2	30M%Δ	MON	1.7%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0257	FP21c
23	TF60J	2	30M%Δ	MON	1.7%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0257	TO116
24	TF61F	2	30M%Δ	MON	1.7%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0257	FP21c
25	TF61J	2	30M%Δ	MON	1.7%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0257	TO116
26	TF250F	2	40M%Δ	MON	1.7%	1.2*	TTL	10	10	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0242	FP21c
27	TF250J	2	40M%Δ	MON	1.7%	1.2*	TTL	10	10	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0242	TO116
28	TF251F	2	40M%Δ	MON	1.7%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0242	FP21c
29	TF251J	2	40M%Δ	MON	1.7%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0242	TO116
30	TF260F	2	40M%Δ	MON	1.7%	1.2*	TTL	10	10	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0257	FP21c
31	TF260J	2	40M%Δ	MON	1.7%	1.2*	TTL	10	10	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0257	TO116
32	TF261F	2	40M%Δ	MON	1.7%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0257	FP21c
33	TF261J	2	40M%Δ	MON	1.7%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0257	TO116
34#	T176B1	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0					400m	0	75			M267
35#	T176D1	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0					400m	0	75			M200m
36#	T176F1	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0					400m	0	75			
37	SN29000J	2	15MΔ	MON	1.8%	.85*	TTL	9		0.0	5.0	35nΔ			140m%		0	75	1	B02167	M157b
38	SN29000N	2	15MΔ	MON	1.8%	.85*	TTL	9		0.0	5.0	35nΔ			140m%		0	75	1	B02167	M126e
39	9000DC	2	20Mt%	MON	1.8%	.85*	TTL	8		0.0	5.0	12n					0	75	1	B02151	M157
40	9000FC	2	20Mt%	MON	1.8%	.85*	TTL	8		0.0	5.0	12n					0	75	1	B02151	FP28b
41	9024DC	2	25Mt%	MON	1.8%	.85*	TTL			0.0	5.0	25n			140m	400m	0	75	1	B02185	M153a
42	9024FC	2	25Mt%	MON	1.8%	.85*	TTL			0.0	5.0	25n			140m	400m	0	75	1	B02185	FP47a
43#	MIC9024-5D	2	25Mt%	MON	1.8%	.85*	TTL			0.0	5.0	25n			140m	400m	0	75	1	B02185	M153a
44	SN29024J	2	25MΔ	MON	1.8%	.85*	TTL	4		0.0	5.0	35nΔ			140m%		0	75	2		M157b
45	SN29024N	2	25MΔ	MON	1.8%	.85*	TTL	4		0.0	5.0	35nΔ			140m%		0	75	2		M126e
46	SN29001J	2	30MΔ	MON	1.8%	.85*	TTL	9		0.0	5.0	35nΔ			165m%		0	75	1		M157b
47	SN29001N	2	30MΔ	MON	1.8%	.85*	TTL	9		0.0	5.0	35nΔ			165m%		0	75	1		M126e
48	9001DC	2	50Mt%	MON	1.8%	.85*	TTL	8		0.0	5.0	12n					0	75	1	B02151	M157
49	9001FC	2	50Mt%	MON	1.8%	.85*	TTL	8		0.0	5.0	12n					0	75	1	B02151	FP28b
50	9020DC	2	50Mt%	MON	1.8%	.85*	TTL	5		0.0	5.0	12n					0	75	2	B02187	M153a
51	9020FC	2	50Mt%	MON	1.8%	.85*	TTL	5		0.0	5.0	12n					0	75	2	B02187	FP47a
52	9022DC	2	50Mt%	MON	1.8%	.85*	TTL	4		0.0	5.0	12n					0	75	2	B02187	M153a
53	9022FC	2	50Mt%	MON	1.8%	.85*	TTL	4		0.0	5.0	12n					0	75	2	B02187	FP47a
54#	MIC9020-5D	2	50Mt%	MON	1.8%	.85*	TTL	5		0.0	5.0	12n					0	75	2	B02187	M153a
55#	MIC9022-5D	2	50Mt%	MON	1.8%	.85*	TTL	4		0.0	5.0	12n					0	75	2	B02187	M153a
56	TF120F	2	50Mt	MON	1.8%	1.1*	TTL	4	11	0.0	5.0	15n					-55	125	2		
57	TF120J	2	50Mt	MON	1.8%	1.1*	TTL	4	11	0.0	5.0	15n					-55	125	2		
58	TF121F	2	50Mt	MON	1.8%	1.1*	TTL	4	6	0.0	5.0	15n					-55	125	2		
59	TF121J	2	50Mt	MON	1.8%	1.1*	TTL	4	6	0.0	5.0	15n					-55	125	2		
60	TF122F	2	50Mt	MON	1.8%	1.1*	TTL	4	9	0.0	5.0	15n					0	75	2		
61	TF122J	2	50Mt	MON	1.8%	1.1*	TTL	4	9	0.0	5.0	15n					0	75	2		
62	TF123F	2	50Mt	MON	1.8%	1.1*	TTL	4	5	0.0	5.0	15n					0	75	2		
63	TF123J	2	50Mt	MON	1.8%	1.1*	TTL	4	5	0.0	5.0	15n					0	75	2		
64	TF200F	2	50Mt	MON	1.8%	1.1*	TTL	10	11	0.0	5.0	15n			55m		-55	125	1		
65	TF200J	2	50Mt	MON	1.8%	1.1*	TTL	10	11	0.0	5.0	15n			55m		-55	125	1		
66	TF201F	2	50Mt	MON	1.8%	1.1*	TTL	10	6	0.0	5.0	15n			55m		-55	125	1		
67	TF201J	2	50Mt	MON	1.8%	1.1*	TTL	10	6	0.0	5.0	15n			55m		-55	125	1		
68	TF202F	2	50Mt	MON	1.8%	1.1*	TTL	10	9	0.0	5.0	15n			55m		0	75	1		
69	TF202J	2	50Mt	MON	1.8%	1.1*	TTL	10	9	0.0	5.0	15n			55m		0	75	1		
70	TF203F	2	50Mt	MON	1.8%	1.1*	TTL	10	5	0.0	5.0	15n			55m		0	75	1		
71	TF203J	2	50Mt	MON	1.8%	1.1*	TTL	10	5	0.0	5.0	15n			55m		0	75	1		
72	TF210F	2	50Mt	MON	1.8%	1.1*	TTL	10	11	0.0	5.0	15n			65m		-55	125	1		
73	TF210J	2	50Mt	MON	1.8%	1.1*	TTL	10	11	0.0	5.0	15n			65m		-55	125	1		
74	TF211F	2	50Mt	MON	1.8%	1.1*	TTL	10	6	0.0	5.0	15n			65m		-55	125	1		
75	TF211J	2	50Mt	MON	1.8%	1.1*	TTL	10	6	0.0	5.0	15n			65m		-55	125	1		
76	TF212F	2	50Mt	MON	1.8%	1.1*	TTL	10	9	0.0	5.0	15n			65m		0	75	1		
77	TF212J	2	50Mt	MON	1.8%	1.1*	TTL	10	9	0.0	5.0	15n			65m		0	75	1		
78	TF213F	2	50Mt	MON	1.8%	1.1*	TTL	10	5	0.0	5.0	15n			65m		0	75	1		
79	TF213J	2	50Mt	MON	1.8%	1.1*	TTL	10	5	0.0	5.0	15n			65m		0	75	1		
80	TF52F	2	30M%Δ	MON	1.8%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	0	75	1	B0242	FP21c
81	TF52J	2	30M%Δ	MON	1.8%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	0	75	1	B0242	TO116
82	TF53F	2	30M%Δ	MON	1.8%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	0	75	1	B0242	FP21c
83	TF53J	2	30M%Δ	MON	1.8%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	0	75	1	B0242	TO116
84	TF62F	2	30M%Δ	MON	1.8%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	0	75	1	B0257	FP21c
85	TF62J	2	30M%Δ	MON	1.8%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	0	75	1	B0257	TO116
86	TF63F	2	30M%Δ	MON	1.8%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	0	75	1	B0257	FP21c
87	TF63J	2	30M%Δ	MON	1.8%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	0	75	1	B0257	TO116
88	TF252F	2	40M%	MON	1.8%	1.2*	TTL	10	10	0.0	7.0	17n			60mt	500mΔ	0	75	1	B0242	FP21c
89	TF252J	2	40M%	MON	1.8%	1.2*	TTL	10	10	0.0	7.0	17n			60mt	500mΔ	0	75	1	B0242	TO116
90	TF253F	2	40M%Δ	MON	1.8%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	0	75	1	B0242	FP21c
91	TF253J	2	40M%Δ	MON	1.8%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	0	75	1	B0242	TO116
92	TF262F	2	40M%Δ	MON	1.8%	1.2*	TTL	10	10	0.0	7.0	17n			60mt	500mΔ	0	75	1	B0257	FP21c
93	TF262J	2	40M%Δ	MON	1.8%	1.2*	TTL	10	10	0.0	7.0	17n			60mt	500mΔ	0	75	1	B0257	TO116
94	TF263F	2	40M%Δ	MON	1.8%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	0	75	1	B0257	FP21c
95	TF263J	2	40M%Δ	MON	1.8%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	0	75	1	B0257	TO116
96	RSN54L72H	2	3.0MΔ%	MON	1.9%	.80*	TTL	9		0.0	5.0	150nΔ			7.2m%		-55	125	1	B02283a	FP69b
97	MIC9000-5B	2		MON	1.9%	.85*	TTL	7	10	0	5.5						0	75	1	B02167	TO86
98	MIC9000-5D	2		MON	1.9%	.85*	TTL	7	10	0	5.5						0	75	1	B02167	TO116
99	MIC9001-5B	2		MON	1.9%	.85*	TTL	7	10	0	5.5						0	75	1	B02168	TO86
100	MIC9001-5D	2		MON	1.9%	.85*	TTL	7	10	0	5.5						0	75	1	B02168	TO116
101	JANM38510/02102BAA	2	2.5MΔØ	MON	2.0%	.60*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B02255	FP115
102	JANM38510/02102BAC	2	2.5MΔØ	MON	2.0%	.60*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B02255	FP115
103	JANM38510/02102BCB	2	2.5MΔØ	MON	2.0%	.60*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B02255	M314
104	JANM38510/02102CAA	2	2.5MΔØ	MON	2.0%	.60*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B02255	FP115
105	JANM38510/02102CAC	2	2.5MΔØ	MON	2.0%	.60*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B02255	FP115

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/02102CCB	2	2.5MΔØ	MON	2.0%	.60*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B02255	M314
2	JANM38510/02103BAA	2	2.5MΔØ	MON	2.0%	.60*	TTL	4	10	0.0	5.5	250nΔ			22m		-55	125	2	B02203	FP115
3	JANM38510/02103BAC	2	2.5MΔØ	MON	2.0%	.60*	TTL	4	10	0.0	5.5	250nΔ			22m		-55	125	2	B02203	FP115
4	JANM38510/02103CAA	2	2.5MΔØ	MON	2.0%	.60*	TTL	4	10	0.0	5.5	250nΔ			22m		-55	125	2	B02203	FP115
5	JANM38510/02103CAC	2	2.5MΔØ	MON	2.0%	.60*	TTL	4	10	0.0	5.5	250nΔ			22m		-55	125	2	B02203	FP115
6	JANM38510/02104BAA	2	2.5MΔØ	MON	2.0%	.70*	TTL	8	10	0.0	5.5	250nΔ			22m		-55	125	2	B02256	FP115
7	JANM38510/02104BAC	2	2.5MΔØ	MON	2.0%	.70*	TTL	8	10	0.0	5.5	250nΔ			22m		-55	125	2	B02256	FP115
8	JANM38510/02104CAA	2	2.5MΔØ	MON	2.0%	.70*	TTL	8	10	0.0	5.5	250nΔ			22m		-55	125	2	B02256	FP115
9	JANM38510/02104CAC	2	2.5MΔØ	MON	2.0%	.70*	TTL	8	10	0.0	5.5	250nΔ			22m		-55	125	2	B02256	FP115
10	NC74L72N	2	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	200nΔ				1.0 Δ	0	70	1	B0288	TO116
11#	SFC472LE	2	3.0M%Δ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	200nΔ				1.0 Δ	0	70	1	B0288	TO116
12#	SFC472LEM	2	3.0M%Δ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	200nΔ				1.0 Δ	-55	125	1	B0288	TO116
13#	SFC473LE	2	3.0M%Δ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	200nΔ				1.0 Δ	0	70	2	B02205	TO116
14#	SFC473LEM	2	3.0M%Δ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	200nΔ				1.0 Δ	-55	125	2	B02205	TO116
15	SN74L78J	2	3.0M%Δ	MON	2.0%	.70*	TTL	5	20	0.0	5.0	200nΔ				1.0 Δ	0	70	2	B02154	M157b
16	SN74L78N	2	3.0M%Δ	MON	2.0%	.70*	TTL	5	20	0.0	5.0	200nΔ				1.0 Δ	0	70	2	B02154	M126e
17	DM54L72F	2	11M†%	MON	2.0%	.70*	TTL	9	20	0.0	5.0	150nΔ			5.0m†		-55	125	1	B02285a	FP87a
18	DM54L72J	2	11M†%	MON	2.0%	.70*	TTL	9	20	0.0	5.0	150nΔ			5.0m†		-55	125	1	B02285a	M294b
19	DM54L72N	2	11M†%	MON	2.0%	.70*	TTL	9	20	0.0	5.0	150nΔ			5.0m†		-55	125	1	B02285a	M344
20	DM54L73F	2	11M†%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	150nΔ			10m†		-55	125	2	B02286	FP87a
21	DM54L73J	2	11M†%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	150nΔ			10m†		-55	125	2	B02286	M294b
22	DM54L73N	2	11M†%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	150nΔ			10m†		-55	125	2	B02286	M344
23	DM54L74N	2	11M†%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	120nΔ			10m†		-55	125	2	B0874	M344
24	DM54L78F	2	11M†%	MON	2.0%	.70*	TTL	8	10	0.0	5.0	150nΔ			5.0m†		-55	125	1	B02286a	FP87a
25	DM54L78J	2	11M†%	MON	2.0%	.70*	TTL	8	10	0.0	5.0	150nΔ			5.0m†		-55	125	1	B02286a	M294b
26	DM54L78N	2	11M†%	MON	2.0%	.70*	TTL	8	10	0.0	5.0	150nΔ			5.0m†		-55	125	1	B02286a	M344
27	DM74L72F	2	11M†%	MON	2.0%	.70*	TTL	9	20	0.0	5.0	150nΔ			5.0m†		0	70	1	B02285	FP87a
28	DM74L72J	2	11M†%	MON	2.0%	.70*	TTL	9	20	0.0	5.0	150nΔ			5.0m†		0	70	1	B02285a	M294a
29	DM74L72N	2	11M†%	MON	2.0%	.70*	TTL	9	20	0.0	5.0	150nΔ			5.0m†		0	70	1	B02285a	M344
30	DM74L73F	2	11M†%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	150nΔ			10m†		0	70	2	B02286	FP87a
31	DM74L73J	2	11M†%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	150nΔ			10m†		0	70	2	B02286	M294b
32	DM74L73N	2	11M†%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	150nΔ			10m†		0	70	2	B02286	M344
33	DM74L78F	2	11M†%	MON	2.0%	.70*	TTL	8	10	0.0	5.0	150nΔ			5.0m†		0	70	1	B02286a	FP87a
34	DM74L78J	2	11M†%	MON	2.0%	.70*	TTL	8	10	0.0	5.0	150nΔ			5.0m†		0	70	1	B02286a	M294b
35	DM74L78N	2	11M†%	MON	2.0%	.70*	TTL	8	10	0.0	5.0	150nΔ			5.0m†		0	70	1	B02286a	M344
36▼	SN54LS109J	2	25MØ	MON	2.0%	.70*	TTL	5	11	0.0	5.0	40nΔ			20mΔ	1.0 *	-55	125	2	B02300	M153d
37▼	SN54LS109W	2	25MØ	MON	2.0%	.70*	TTL	5	11	0.0	5.0	40nΔ			20mΔ	1.0 *	-55	125	2	B02300	FP98b
38▼	SN54LS73J	2	30MØ	MON	2.0%	.70*	TTL	4	11	0.0	5.0	30nΔ			20mΔ	1.0 *	-55	125	2	B02274	M157b
39▼	SN54LS73W	2	30MØ	MON	2.0%	.70*	TTL	4	11	0.0	5.0	30nΔ			20mΔ	1.0 *	-55	125	2	B02274	FP97a
40▼	SN54LS76J	2	30MØ	MON	2.0%	.70*	TTL	5	11	0.0	5.0	30nΔ			20mΔ	1.0 *	-55	125	2	B02275	M153d
41▼	SN54LS76W	2	30MØ	MON	2.0%	.70*	TTL	5	11	0.0	5.0	30nΔ			20mΔ	1.0 *	-55	125	2	B02275	FP98b
42▼	SN54LS78J	2	30MØ	MON	2.0%	.70*	TTL	5	11	0.0	5.0	30nΔ			20mΔ	1.0 *	-55	125	2	B02154	M157b
43▼	SN54LS78W	2	30MØ	MON	2.0%	.70*	TTL	5	11	0.0	5.0	30nΔ			20mΔ	1.0 *	-55	125	2	B02154	FP97a
44▼	SN54LS112J	2	30MØ	MON	2.0%	.70*	TTL	5	11	0.0	5.0	30nΔ			20mΔ	1.0 *	-55	125	2	B02257	M153d
45▼	SN54LS112W	2	30MØ	MON	2.0%	.70*	TTL	5	11	0.0	5.0	30nΔ			20mΔ	1.0 *	-55	125	2	B02257	FP98b
46▼	SN54LS113J	2	30MØ	MON	2.0%	.70*	TTL	4	11	0.0	5.0	30nΔ			20mΔ	1.0 *	-55	125	2	B02258	M157b
47▼	SN54LS113W	2	30MØ	MON	2.0%	.70*	TTL	4	11	0.0	5.0	30nΔ			20mΔ	1.0 *	-55	125	2	B02258	FP97a
48▼	SN54LS114J	2	30MØ	MON	2.0%	.70*	TTL	5	11	0.0	5.0	30nΔ			20mΔ	1.0 *	-55	125	2	B02258a	M157b
49▼	SN54LS114W	2	30MØ	MON	2.0%	.70*	TTL	5	11	0.0	5.0	30nΔ			20mΔ	1.0 *	-55	125	2	B02258a	FP97a
50♦	6N133	2			2.0%	.80*	TTL	3		0.0	5.0	40nΔ					-55	125	2	B02203	TO84
51	DM54H72J	2		MON	2.0%	.80*	TTL	9	10	0.0	5.0	27nΔ			125m%				1	B0295	M294b
52	DM54H72N	2		MON	2.0%	.80*	TTL	9	10	0.0	5.0	27nΔ			125m%				1	B0295	M344
53	DM54H73J	2		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			250m%				2	B02205	M294b
54	DM54H73N	2		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			250m%				2	B02205	M344
55	DM54H76J	2		MON	2.0%	.80*	TTL	5	10	0.0	5.0	27nΔ			250m%		-55	125	2	B02205a	M294b
56	DM54H76N	2		MON	2.0%	.80*	TTL	5	10	0.0	5.0	27nΔ			250m%		-55	125	2	B02205a	M344
57	DM54H78J	2		MON	2.0%	.80*	TTL	5	10	0.0	5.0	27nΔ			250m%		-55	125	2	B02155	M294b
58	DM54H78N	2		MON	2.0%	.80*	TTL	5	10	0.0	5.0	27nΔ			250m%		-55	125	2	B02155	M344
59	DM74H72J	2		MON	2.0%	.80*	TTL	9	10	0.0	5.0	27nΔ			125m%				1	B0295	M294b
60	DM74H72N	2		MON	2.0%	.80*	TTL	9	10	0.0	5.0	27nΔ			125m%				1	B0295	M344
61	DM74H73J	2		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			250m%				2	B02205	M294b
62	DM74H73N	2		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			250m%				2	B02205	M344
63	DM74H76J	2		MON	2.0%	.80*	TTL	5	10	0.0	5.0	27nΔ			250m%		0	70	2	B02205a	M294b
64	DM74H76N	2		MON	2.0%	.80*	TTL	5	10	0.0	5.0	27nΔ			250m%		0	70	2	B02205a	M344
65	DM74H78J	2		MON	2.0%	.80*	TTL	5	10	0.0	5.0	27nΔ			250m%		0	70	2	B02155	M294b
66	DM74H78N	2		MON	2.0%	.80*	TTL	5	10	0.0	5.0	27nΔ			250m%		0	70	2	B02155	M344
67#	FLJ281-74104	2		MON	2.0%	.80*	TTL	10	10	0.0	5.0	25nΔ			120m§	1.0	0	70	1	B02167	M126p
68#	FLJ291-74105	2		MON	2.0%	.80*	TTL	10	10	0.0	5.0	25nΔ			140m§	1.0	0	70	1	B02172	M126p
69	MIC9000-1B	2		MON	2.0%	.80*	TTL	7	10	0	5.5						-55	125	1	B02167	TO86
70	MIC9000-1D	2		MON	2.0%	.80*	TTL	7	10	0	5.5						-55	125	1	B02167	TO116
71	MIC9001-1B	2		MON	2.0%	.80*	TTL	7	10	0	5.5						-55	125	1	B02168	TO86
72	MIC9001-1D	2		MON	2.0%	.80*	TTL	7	10	0	5.5						-55	125	1	B02168	TO116
73▼	N74109B	2		MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ			150m§	1.0 †	0	70	2	B02185	M317
74▼	N74109F	2		MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ			150m§	1.0 †	0	70	2	B02185	M200v
75▼	N74109W	2		MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ			150m§	1.0 †	0	70	2	B02185	FP47g
76▼	S54109B	2		MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ			150m§	1.0 †	-55	125	2	B02185	M317
77▼	S54109F	2		MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ			150m§	1.0 †	-55	125	2	B02185	M200v
78▼	S54109W	2		MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ			150m§	1.0 †	-55	125	2	B02185	FP47g
79	SN54S113N	2		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02258	M126e
80	SN54S114N	2		MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02258a	M126e
81	SN74S113W	2		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02258	Δ004AA
82	SN74S114W	2		MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02258a	Δ004AA
83	SN74109W	2		MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ			140m%	1.0 Δ	0	70	2	B02260	Δ004AG
84	SW7473J	2		MON	2.0%	.80*	TTL	4	10	0.0	5.25	50nΔ			40m†	1.0	0	70	2	B02130a	M114
85	SW7473N	2		MON	2.0%	.80*	TTL	4	10	0.0	5.25	50nΔ			40m†	1.0	0	70	2	B02130a	M105n
86#	T74H71B1	2		MON	2.0%	.80*	TTL		10	0.0	5.0				100m	1.0 Δ	0	70			
87#	T74H71D1	2		MON	2.0%	.80*	TTL		10	0.0	5.0				100m	1.0 Δ	0	70			
88#	T74H71D2	2		MON	2.0%	.80*	TTL		10	0.0	5.0				100m	1.0 Δ	-55	125			
89#	T74H72B1	2		MON	2.0%	.80*	TTL		10	0.0	5.0				90m	1.0 Δ	0	70			
90#	T74H72D1	2		MON	2.0%	.80*	TTL		10	0.0	5.0				90m	1.0 Δ	0	70			
91#	T74H72D2	2		MON	2.0%	.80*	TTL		10	0.0	5.0				90m	1.0 Δ	-55	125			
92#	TL74104N	2		MON	2.0%	.80*	TTL	10	25	0.0	5.0	25nΔ			120m†		0	70	1	B02167	M126n
93#	TL74105N	2		MON	2.0%	.80*	TTL	10	25	0.0	5.0	25nΔ			120m†		0	70	1	B02172	M126n
94#	TL74107N	2		MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			210m†		0	70	1	B02211	M126n
95#	T74107B1	2	20m%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m%	1.0 Δ	0	70	2	B02203a	M126u
96#	T74107D2	2	20m%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m§	1.0 Δ	-55	125	2	B02203a	M294
97	DM54107J	2	25m†%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			90m†	1.0 †	-55	125	2	B02211	M200r
98	JANM38510/00201BAA	2	5.0MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02267	FP115
99	JANM38510/00201BAB	2	5.0MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02267	FP115

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/00201BAC	2	5.0MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02267	FP115
2	JANM38510/00201BCA	2	5.0MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02267a	M314
3	JANM38510/00201BCB	2	5.0MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02267a	M314
4	JANM38510/00201BCC	2	5.0MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02267a	M314
5	JANM38510/00201BDB	2	5.0MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02267	FP116
6	JANM38510/00201CAA	2	5.0MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02267	FP115
7	JANM38510/00201CAB	2	5.0MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02267	FP115
8	JANM38510/00201CAC	2	5.0MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02267	FP115
9	JANM38510/00201CCA	2	5.0MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02267a	M314
10	JANM38510/00201CCB	2	5.0MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02267a	M314
11	JANM38510/00201CCC	2	5.0MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02267a	M314
12	JANM38510/00201CDB	2	5.0MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02267	FP116
13	JANM38510/00202BAA	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243	FP115
14	JANM38510/00202BAB	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243	FP115
15	JANM38510/00202BAC	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243	FP115
16	JANM38510/00202BCA	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243	M314
17	JANM38510/00202BCB	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243	M314
18▼	JANM38510/00202BCC	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243	M314
19	JANM38510/00202BDB	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243	FP116
20	JANM38510/00202CAA	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243	FP115
21	JANM38510/00202CAB	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243	FP115
22	JANM38510/00202CAC	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243	FP115
23	JANM38510/00202CCA	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243	M314
24	JANM38510/00202CCB	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243	M314
25▼	JANM38510/00202CCC	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243	M314
26	JANM38510/00202CDB	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243	FP116
27	JANM38510/00203BCA	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243a	M314
28	JANM38510/00203BCB	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243a	M314
29	JANM38510/00203BCC	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243a	M314
30	JANM38510/00203CCA	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243a	M314
31	JANM38510/00203CCB	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243a	M314
32	JANM38510/00203CCC	2	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B02243a	M314
33	JANM38510/00204BEB	2	5.0MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	50nΔ			220m		-55	125	2	B02244	M146c
34	JANM38510/00204BFB	2	5.0MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	50nΔ			220m		-55	125	2	B02244	FP117
35	JANM38510/00204CEB	2	5.0MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	50nΔ			220m		-55	125	2	B02244	M146c
36	JANM38510/00204CFB	2	5.0MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	50nΔ			220m		-55	125	2	B02244	FP117
37	JANM38510/00206BAA	2	7.5MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	62nΔ			110m		-55	125	1	B02212	FP115
38	JANM38510/00206BAB	2	7.5MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	62nΔ			110m		-55	125	1	B02212	FP115
39	JANM38510/00206BAC	2	7.5MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	62nΔ			110m		-55	125	1	B02212	FP115
40	JANM38510/00206BCA	2	7.5MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	62nΔ			110m		-55	125	1	B02212	M314
41	JANM38510/00206BCB	2	7.5MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	62nΔ			110m		-55	125	1	B02212	M314
42	JANM38510/00206BCC	2	7.5MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	62nΔ			110m		-55	125	1	B02212	M314
43	JANM38510/00206BDB	2	7.5MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	62nΔ			110m		-55	125	1	B02212	FP116
44	JANM38510/00206CAA	2	7.5MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	62nΔ			110m		-55	125	1	B02212	FP115
45	JANM38510/00206CAB	2	7.5MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	62nΔ			110m		-55	125	1	B02212	FP115
46	JANM38510/00206CAC	2	7.5MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	62nΔ			110m		-55	125	1	B02212	FP115
47	JANM38510/00206CCA	2	7.5MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	62nΔ			110m		-55	125	1	B02212	M314
48	JANM38510/00206CCB	2	7.5MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	62nΔ			110m		-55	125	1	B02212	M314
49	JANM38510/00206CCC	2	7.5MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	62nΔ			110m		-55	125	1	B02212	M314
50	JANM38510/00206CDB	2	7.5MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	62nΔ			110m		-55	125	1	B02212	FP116
51#	FJJ111-7472	2	10M	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			40mt	1.0 Δ	0	70	1	B02237	M126f
52#	FJJ121-7473	2	10M	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			80mt	1.0 Δ	0	70	2	B02238	M126f
53#	FJJ261-74107	2	10M	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			80mt	1.0 Δ	0	70	2	B02238a	M126f
54▼#	GFB7472	2	10MΔ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			40mt	400m	0	70	1	B0288	TO116
55▼#	GFB7473	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			80mt	400m	0	70	2	B0291	TO116
56▼#	GFB7476	2	10MΔ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			80mt	400m	0	70	2	B0292	M146e
57▼#	GFB74107	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			80mt	400m	0	70	2	B02211	TO116
58#	FJJ191-7476	2	15M	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			80mt	1.0 Δ	0	70	2	B02239	M117g
59	ITT5472J	2	15MΔ%		2.0%	.80*	TTL	9	10	0.0	5.0	150nτΔ			10mt		-55	125	1	B02204	M157
60	ITT5473J	2	15MΔ%		2.0%	.80*	TTL	4	20	0.0	5.0	36n			20mt		-55	125	2	B02205	M157

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	ITT5476J	2	15MΔ%		2.0%	.80*	TTL	5	20	0.0	5.0	36n			20m†		-55	125	2	B02205a	M153a
2	ITT7472J	2	15MΔ%		2.0%	.80*	TTL	9	10	0.0	5.0	150n†Δ			10m†		0	70	1	B02204	M157
3	ITT7473J	2	15MΔ%		2.0%	.80*	TTL	4	20	0.0	5.0	36n			20m†		0	70	2	B02205	M157
4	ITT7476J	2	15MΔ%		2.0%	.80*	TTL	5	20	0.0	5.0	36n			20m†		0	70	2	B02205a	M153a
5#	M53273P	2	15M%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	30n%			40m†	1.0 Δ	0	75	2	B0291	M105j
6#	M53276P	2	15M%	MON	2.0%	.80*	TTL	5	20	0.0	7.0	30n%			40m†	1.0 Δ	0	75	2	B0292	M153b
7	NC7473N	2	15M%	MON	2.0%	.80*	TTL	4	10	0.0	5.3	30n%			40mΔ	1.0	0	70	2		TO116
8	NC74107N	2	15M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	50nΔ			40mΔ	1.0	0	70	2	B02211	TO116
9#	SN6473N	2	15M%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	50nΔ			40m†	1.0	-40	85	2	B0291	M75a
10#	SN6476N	2	15M%	MON	2.0%	.80*	TTL	5	20	0.0	7.0	50nΔ			40m†	1.0	-40	85	2	B0292	M117c
11#	SN64107N	2	15M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	50nΔ			40mΔ	1.0	-40	85	2	B02211	M117
12	SW7472J	2	15M%	MON	2.0%	.80*	TTL	9	10	0.0	5.25	50nΔ			40m†	1.0	0	70	1	B0288	M114
13	SW7472N	2	15M%	MON	2.0%	.80*	TTL	9	10	0.0	5.25	50nΔ			40m†	1.0	0	70	1	B0288	M105n
14	SW7476N	2	15M%	MON	2.0%	.80*	TTL	2	10	0.0	5.25	50nΔ			40mΔ	1.0	0	70	2	B0292	M117
15	US5472A	2	15MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	1	B02195a	M105b
16	US5472J	2	15MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	1	B02195	TO88
17	US5473A	2	15MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	2	B02213	M105b
18	US5473J	2	15MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	2	B02213	TO88
19	US5476A	2	15MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	2	B02197	M117g
20	US7472A	2	15MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			0	70	1	B02195a	M105b
21	US7472J	2	15MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			0	70	1	B02195	TO88
22	US7473A	2	15MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ	18n	8.0n			0	70	2	B02213	M105b
23	US7473J	2	15MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ	18n	8.0n			0	70	2	B02213	TO88
24	US7476A	2	15MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	50nΔ	18n	8.0n			0	70	2	B02197	M117g
25	US54107A	2	15MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	2	B02213a	M105b
26	US74107A	2	15MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ	18n	8.0n			0	70	2	B02213a	M105b
27♦#	FLJ101-7470	2	20M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			130m§	1.0 Δ	0	70	1	B02240	M126p
28♦#	FLJ105-8470	2	20M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			130m§	1.0 Δ	-25	85	1	B02240	M126p
29#	FLJ111-7472	2	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ	4.0nΔ		100m§	1.0 Δ	0	70	1	B02142	M126p
30#	FLJ115-8472	2	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ	4.0nΔ		100m§	1.0 Δ	-25	85	1	B02142	M126p
31#	FLJ121-7473	2	20M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ	4.0nΔ		200m§	1.0 Δ	0	70	2	B02143	M126p
32#	FLJ125-8473	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ	4.0nΔ		200m§	1.0 Δ	-25	85	2	B02143	M126p
33#	FLJ131-7476	2	20MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ	4.0nΔ		200m§	1.0 Δ	0	70	2	B02241	M117w
34#	FLJ135-8476	2	20MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ	4.0nΔ		200m§	1.0 Δ	-25	85	2	B02241	M117w
35▼#	GFB7470	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	150n		70m†	400m	0	70	1	B022	TO116
36	I769	2	20M	PCB	2.0	.80	TTL	4	40	0.0	5.0	40n				1.0	0	70	16		CBØ
37	JANM38510/02201BAA	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP115
38	JANM38510/02201BAB	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP115
39	JANM38510/02201BAC	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP115
40▼	JANM38510/02201BCA	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	M314
41	JANM38510/02201BCB	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	M314
42▼	JANM38510/02201BDB	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP116
43	JANM38510/02201CAA	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP115
44	JANM38510/02201CAB	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP115
45	JANM38510/02201CAC	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP115
46▼	JANM38510/02201CCA	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	M314
47	JANM38510/02201CCB	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	M314
48▼	JANM38510/02201CDB	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP116
49	JANM38510/02202BCA	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	M314
50	JANM38510/02202BCB	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	M314
51▼	JANM38510/02202BDB	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	FP116
52	JANM38510/02202CCB	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	M314
53▼	JANM38510/02202CDB	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	FP116
54	JANM38510/02204BEB	2	20MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	36nΔ	12nØ		296m		-55	125	2	B02275	M323
55	JANM38510/02204BFB	2	20MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	36nΔ	12nØ		296m		-55	125	2	B02275	FP117
56	JANM38510/02204CEB	2	20MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	36nΔ	12nØ		296m		-55	125	2	B02275	M323
57	JANM38510/02204CFB	2	20MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	36nΔ	12nØ		296m		-55	125	2	B02275	FP117
58#	M53307P	2	20M%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	20n%			50m†	1.0 Δ	0	75	2	B02211	M105j
59#	MIC5472J	2	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50m†	400m	-55	125	1	B02221	TO116
60#	MIC5473J	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100m†	400m	-55	125	2	B02205	TO116
61♦#	MIC5476J	2	20MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			100m†	400m	-55	125	2	B02205a	M153g
62#	MIC6472J	2	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50m†	400m	-40	85	1	B02221	TO116
63#	MIC6473J	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100m†	400m	-40	85	2	B02205	TO116
64#	MIC6476J	2	20MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			100m†	400m	-40	85	2	B02205a	M153a
65#	MIC7472J	2	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50m†	400m	0	75	1	B02221	TO116
66♦#	MIC7472N	2	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50m†	400m	0	75	1	B02221	M126x
67#	MIC7473J	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100m†	400m	0	75	2	B02205	TO116
68♦#	MIC7473N	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100m†	400m	0	75	2	B02205	M126x
69♦#	MIC7476J	2	20MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			100m†	400m	0	75	2	B02205a	M153g
70♦#	MIC7476N	2	20MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			100m†	400m	0	75	2	B02205a	M117ab
71#	MIC54107J	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100m†	400m	-55	125	2	B02203a	TO116
72#	MIC64107J	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100m†	400m	-40	85	2	B02203a	TO116
73#	MIC74107J	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100m†	400m	0	75	2	B02203a	TO116
74♦#	MIC74107N	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100m†	400m	0	75	2	B02203a	M126x
75♦	N7472A	2	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			100m§	1.0 †	0	70	1	B0288	M318
76▼	N7472F	2	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			100m§	1.0 †	0	70	1	B0288	M257f
77♦	N7473A	2	20M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m§	1.0 †	0	70	2	B02203	M318
78▼	N7473F	2	20M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m§	1.0 †	0	70	2	B02203	M257f
79♦	N7476B	2	20M%Δ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			200m§	1.0 †	0	70	2	B02275	M317
80▼	N7476F	2	20M%Δ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			200m§	1.0 †	0	70	2	B02275	M200v
81♦	N74107A	2	20M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m§	1.0 †	0	70	2	B02251	M318
82▼	N74107F	2	20M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m§	1.0 †	0	70	2	B02251	M257f
83	NC7476N	2	20M†Δ	MON	2.0%	.80*	TTL		20	0.0	5.0	40nΔ				1.0 Δ	0	70	2	B0292	M117
84♦	S5472A	2	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			100m§	1.0 †	-55	125	1	B0288	M318
85▼	S5472F	2	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			100m§	1.0 †	-55	125	1	B0288	M257f
86▼	S5472W	2	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			100m§	1.0 †	-55	125	1	B0288	FP39e
87♦	S5473A	2	20M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m§	1.0 †	-55	125	2	B02203	M318
88▼	S5473F	2	20M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m§	1.0 †	-55	125	2	B02203	M257f
89▼	S5473W	2	20M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m§	1.0 †	-55	125	2	B02203	FP39e

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	S5476B	2	20M%	ΔMON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			200m§	1.0 †	0	70	2	B02275	M317
2▼	S5476F	2	20M%	ΔMON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			200m§	1.0 †	0	70	2	B02275	M200v
3▼	S5476W	2	20M%	ΔMON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			200m§	1.0 †	0	70	2	B02275	FP47g
4♦	S54107A	2	20M%	ΔMON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m§	1.0 †	-55	125	2	B02251	M318
5▼	S54107F	2	20M%	ΔMON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m§	1.0 †	-55	125	2	B02251	M257f
6#	SFC473EM	2	20M%	ΔMON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	-55	125	2	B02205	TO116
7#	SFC473ET	2	20M%	ΔMON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	-25	85	2	B02205	TO116
8#	SFC476E	2	20M%	ΔMON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	0	70	2	B0292	M117
9#	SFC476EM	2	20M%	ΔMON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	-55	125	2	B0292	M117
10#	SFC476ET	2	20M%	ΔMON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	-25	85	2	B0292	M117
11#	SFC4107E	2	20M%	ΔMON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	0	70	2	B02211	TO116
12#	SFC4107EM	2	20M%	ΔMON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	-55	125	2	B02211	TO116
13#	SFC4107ET	2	20M%	ΔMON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	-25	85	2	B02211	TO116
14	SN5473J	2	20M%	ΔMON	2.0%	.80*	TTL	8	40	0.0	5.0	40nΔ			50mt	1.0 Δ	-55	125	2	B02211	M157b
15	SN5473W	2	20M%	ΔMON	2.0%	.80*	TTL	8	40	0.0	5.0	40nΔ			50mt	1.0 Δ	-55	125	2	B02211	Δ004AA
16	SN5476J	2	20M%	ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	20n			100mt	1.0 Δ	-55	125	2	B0292	M157b
17	SN5476N	2	20M%	ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	20n			100mt	1.0 Δ	-55	125	2	B0292	M117
18	SN5476W	2	20M%	ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	20n			100mt	1.0 Δ	-55	125	2	B0292	M126e
19	SN7473J	2	20M%	ΔMON	2.0%	.80*	TTL	8	40	0.0	5.0	40nΔ			50mt	1.0 Δ	0	70	2	B02211	M157b
20	SN7473N	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.3	30n%			50mt	1.0	0	70	2	B0291	M126e
21	SN7473W	2	20M%	ΔMON	2.0%	.80*	TTL	8	40	0.0	5.0	40nΔ				1.0 Δ	0	70	2	B02211	TO84
22	SN7476J	2	20M%	ΔMON	2.0%	.80*	TTL		20	0	5.0	40nΔ				1.0 Δ	0	70	2	B0292	M157b
23	SN7476N	2	20M%	ΔMON	2.0%	.80*	TTL		20	0.0	5.0	40nΔ				1.0 Δ	0	70	2	B0292	Δ004AA
24	SN54107J	2	20M%	ΔMON	2.0%	.80*	TTL	8	40	0.0	5.0	40nΔ				1.0 Δ	-55	125	2	B02211	M157b
25	SN54107N	2	20M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			200m%	1.0	-55	125	2	B02211	M126e
26	SN54110J	2	20MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	30nΔ			100m%	1.0 Δ	-55	125	1	B02261	M157b
27	SN54110W	2	20MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	30nΔ			100m%	1.0 Δ	0	70	1	B02261	Δ004AA
28	SN54111J	2	20MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			140m%	1.0 Δ	-55	125	2	B02262	M153d
29	SN54111W	2	20MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			140m%	1.0 Δ	-55	125	2	B02262	Δ004AG
30	SN74107J	2	20M%	ΔMON	2.0%	.80*	TTL	8	40	0.0	5.0	40nΔ				1.0 Δ	0	70	2	B02211	M157b
31	SN74107N	2	20M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			200m%	1.0	0	70	2	B02211	M126e
32	SN74110J	2	20MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	30nΔ			100m%	1.0 Δ	0	70	1	B02261	M157b
33	SN74110N	2	20MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	30nΔ			100m%	1.0 Δ	-55	125	1	B02261	M126e
34	SN74111J	2	20MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			140m%	1.0 Δ	0	70	2	B02262	M153d
35	SN74111N	2	20MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			140m%	1.0 Δ	0	70	2	B02262	M117x
36	SW74107J	2	20M%	MON	2.0%	.80*	TTL		10	0.0	5.25	40n				1.0	0	70	2	B02213a	M114
37	SW74107N	2	20M%	MON	2.0%	.80*	TTL		10	0.0	5.25	40n				1.0	0	70	2	B02213a	M105n
38#	T7473B1	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			800m§	1.0 Δ	0	70	2	B0835	M126u
39#	T7473D1	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			800m§	1.0 Δ	0	70	2	B0835	M294
40#	T7473D2	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			800m§	1.0 Δ	-55	125	2	B0835	M294
41#	T7476B1	2	20MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			200m§	1.0 Δ	0	70	2	B02275	M267
42#	T7476D1	2	20MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			200m§	1.0 Δ	0	70	2	B02275	M200m
43#	T7476D2	2	20MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			200m§	1.0 Δ	-55	125	2	B02275	M200m
44#	T74107D1	2	20M%	ΔMON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m§	1.0 Δ	0	70	2	B02203a	M294
45#	TL7472N	2	20Mt%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			105mt		0	70	1	B022	M126n
46#	TL7473N	2	20Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			210mt		0	70	2	B0291	M126n
47#	TL7476N	2	20Mt%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			210mt		0	70	2	B0292	M117u
48#	M5373P	2	23M*	MON	2.0%	.80*	TTL	4	20	0.0	7.0	25n%			40mt	1.0 Δ	0	75	2	B0291b	M105j
49#	M5376P	2	23M*	MON	2.0%	.80*	TTL	5	20	0.0	7.0	25n%			40mt	1.0 Δ	0	75	2	B0292	M153b
50	DM5473J	2	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			90mt	1.0 †	-55	125	2	B02205	M294b
51	DM5473N	2	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			90mt	1.0 †	-55	125	2	B02205	M344
52	DM5473W	2	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			90mt	1.0 †	-55	125	2	B02205	FP97a
53	DM5476J	2	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			90mt	1.0 †	-55	125	2	B02205a	M200r
54	DM5476N	2	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			90mt	1.0 †	-55	125	2	B02205a	M345
55	DM5476W	2	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			90mt	1.0 †	-55	125	2	B02205a	FP88a
56	DM7473J	2	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			90mt	1.0 †	0	70	2	B02205	M294b
57	DM7473N	2	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			90mt	1.0 †	0	70	2	B02205	M344
58	DM7476J	2	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			90mt	1.0 †	0	70	2	B02205	M200r
59	DM7476N	2	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			90mt	1.0 †	0	70	2	B02205	M345
60	DM54107N	2	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			90mt	1.0 †	-55	125	2	B02211	M345
61	DM74107J	2	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			90mt	1.0 †	0	70	2	B02211	M200r
62	DM74107N	2	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			90mt	1.0 †	0	70	2	B02211	M345
63#	FLJ351-74111	2	25M%	ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			205m§	1.0 Δ	0	70	2	B0292e	M117w
64#	FLJ355-84111	2	25M%	ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			205m§	1.0 Δ	-25	85	2	B0292e	M117w
65♦#	FLJ521-74115	2	25M%	ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			205m§	1.0 Δ	0	70	2	B0291d	M126p
66♦#	FLJ525-84115	2	25M%	ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			205m§	1.0 Δ	-25	85	2	B0291d	M126p
67#	MIC54109J	2	25M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	15n%			140m%	1.0 Δ	-55	125	2	B02260	M153a
68#	MIC64109J	2	25M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	15n%			140m%	1.0 Δ	-40	85	2	B02260	M153a
69#	MIC74109J	2	25M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	15n%			140m%	1.0 Δ	0	75	2	B02260	M153a
70#	MIC74109N	2	25M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	15n%			140m%	1.0 Δ	0	75	2	B02260	M153a
71	N74H71A	2	25MΔØ	MON	2.0%	.80*	TTL	10	10	0.0	5.0	22n			150mt		0	70	1	B0297	M318
72	N74H71F	2	25MΔØ	MON	2.0%	.80*	TTL	10	10	0.0	5.0	22n			150mt		0	70	1	B0297	M200x
73	N74H72A	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	27nΔ			125mt		0	70	1	B02248	M318
74	N74H72F	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	22n			250mt		0	70	1	B02248	M200x
75	N74H73A	2	25MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			250mt		0	70	2	B02249	M318
76	N74H73F	2	25MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	22n			250mt		0	70	1	B02249	M200x
77	N74H76B	2	25MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	27nΔ			250m§		0	70	2	B0292	M317
78	N74LS109B	2	25M	MON	2.0%	.80*	TTL	5		0.0	5.0	25n			40m		0	70	2	B02293	M256
79	N74LS109F	2	25M	MON	2.0%	.80*	TTL	5		0.0	5.0	25n			40m		0	70	2	B02293	M153a
80	RSN54H103H	2	25MΔØ	MON	2.0%	.80*	TTL	4		0.0	5.0	15nΔ			260m%		-55	125	2	B02284	FP69b
81	S54H71A	2	25MΔØ	MON	2.0%	.80*	TTL	10	10	0.0	5.0	22n			150mt		-55	125	1	B0297	M318
82	S54H71F	2	25MΔØ	MON	2.0%	.80*	TTL	10	10	0.0	5.0	22n			150mt		-55	125	1	B0297	M200x
83	S54H71W	2	25MΔØ	MON	2.0%	.80*	TTL	10	10	0.0	5.0	22n			150mt		-55	125	1	B0297	FP39e
84	S54H72A	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	27nΔ			250mt		-55	125	1	B02248	M318
85	S54H72F	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	22n			250mt		-55	125	2	B02248	M200x
86	S54H72W	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	22n			250m§		0	70	1	B02248	FP39e
87	S54H73A	2	25MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			250mt		-55	125	2	B02249	M318
88	S54H73F	2	25MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	22n			250mt		-55	125	2	B02249	M200x
89	S54H73W	2	25MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	22n			250m§		-55	125	2	B02249	FP39e
90	S54H76B	2	25MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	27nΔ			250m§		-55	125	2	B0292	M317
91	SN54H76W	2	25M	MON	2.0%	.80*	TTL	5		0.0	5.0	43n			80m%		-55	125	2	B0292	Δ004AG
92▼	SN74LS109J	2	25MØ	MON	2.0%	.80*	TTL	5	22	0.0	5.0	40nΔ			20mΔ	1.0 *	0	70	2	B02300	M153d
93▼	SN74LS109N	2	25MØ	MON	2.0%	.80*	TTL	5	22	0.0	5.0	40nΔ			20mΔ	1.0 *	0	70	2	B02300	M117x
94	SN54109J	2	25MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	28nΔ			150m%	1.0 Δ	-55	125	2	B02260	M153d
95	SN54109W	2	25MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ			140m%	1.0 Δ	0	70	2	B02260	M117x
96	SN74109J	2	25MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	28nΔ			150m%	1.0 Δ	0	70	2	B02260	M153d
97	SN74109N	2	25MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ			140m%	1.0 Δ	-55	125	2	B02260	M117
98#	TL74110N	2	25Mt%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	30nΔ			178mt		0	70	1	B02261	M126n
99#	TL74111N	2	25Mt%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			215mt		0	70	2	B02262	M126n
100#	TL74115N	2	25Mt%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ			215mt		0	70	2	B02273	M117u
101	US5470A	2	25MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	1	B02212	M105b
102	US5470J	2	25MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	1	B02212	TO88
103	US7470A	2	25MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			0	70	1	B02212	M105b
104	US7470J	2	25MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			0	70	1	B02212	TO88
105	JANM38510/02205BCA	2	30MΔØ	MON	2.0%	.80*	TTL	10	10	0.0	5.5	28nΔ	10n⍁		210m		-55	125	1	B0297	M314
106	JANM38510/02205BCB	2	30MΔØ	MON	2.0%	.80*	TTL	10	10	0.0	5.5	28nΔ	10n⍁		210m		-55	125	1	B0297	M314
107▼	JANM38510/02205BDB	2	30MΔØ	MON	2.0%	.80*	TTL	10	10	0.0	5.5	28nΔ	10n⍁		210m		-55	125	1	B0297	FP116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/02205CCA	2	30MΔØMON	2.0%	.80*	TTL	10	10	0.0	5.5	28nΔ	10nØ		210m		-55	125	1	B0297	M314
2	JANM38510/02205CCB	2	30MΔØMON	2.0%	.80*	TTL	10	10	0.0	5.5	28nΔ	10nØ		210m		-55	125	1	B0297	M314
3▼	JANM38510/02205CDB	2	30MΔØMON	2.0%	.80*	TTL	10	10	0.0	5.5	28nΔ	10nØ		210m		-55	125	1	B0297	FP116
4	JANM38510/02206BCA	2	30MΔØMON	2.0%	.80*	TTL	4	10	0.0	5.5	46nΔ	10nØ		210m		-55	125	2	B02203	M314
5	JANM38510/02206BCB	2	30MΔØMON	2.0%	.80*	TTL	4	10	0.0	5.5	46nΔ	10nØ		210m		-55	125	2	B02203	M314
6	JANM38510/02206BDB	2	30MΔØMON	2.0%	.80*	TTL	4	10	0.0	5.5	46nΔ	10nØ		210m		-55	125	2	B02203	FP116
7	JANM38510/02206CCA	2	30MΔØMON	2.0%	.80*	TTL	4	10	0.0	5.5	46nΔ	10nØ		210m		-55	125	2	B02203	M314
8	JANM38510/02206CCB	2	30MΔØMON	2.0%	.80*	TTL	4	10	0.0	5.5	46nΔ	10nØ		210m		-55	125	2	B02203	M314
9	JANM38510/02206CDB	2	30MΔØMON	2.0%	.80*	TTL	4	10	0.0	5.0	46nΔ	10nØ		210m		-55	125	2	B02203	FP116
10#	MIC74H72J	2	30M%ΔMON	2.0%	.80*	TTL	9	20	0.0	7.0	27nΔ					0	75	1	B0295	M157
11#	MIC74H73J	2	30M%ΔMON	2.0%	.80*	TTL	4	20	0.0	7.0	27nΔ			80mΔ	1.0 Δ	0	75	2	B02155a	M157
12#	MIC74H76J	2	30M%ΔMON	2.0%	.80*	TTL	5	10	0.0	5.0	20n			160m†	1.0 Δ	0	75		B0292	M157
13	N74LS73A	2	30M MON	2.0%	.80*	TTL	4	20	0.0	5.0	15n			40m		0	70	2	B02280	M318
14	N74LS73F	2	30M MON	2.0%	.80*	TTL	4	20	0.0	5.0	15n			40m		0	70	2	B02280	M235a
15	N74LS76B	2	30M MON	2.0%	.80*	TTL	5	20	0.0	5.0	25n			40m		0	70	2	B02281	M256
16	N74LS76F	2	30M MON	2.0%	.80*	TTL	5	20	0.0	5.0	25n			40m		0	70	2	B02281	M153a
17	N74LS78A	2	30M MON	2.0%	.80*	TTL	5	20	0.0	5.0	25n			40m		0	70	2	B02281	M318
18	N74LS78F	2	30M MON	2.0%	.80*	TTL	5	20	0.0	5.0	25n			40m		0	70	2	B02281	M235a
19	N74LS107A	2	30M MON	2.0%	.80*	TTL	4		0.0	5.0	15n			40m		0	70	2	B02280	M318
20	N74LS107F	2	30M MON	2.0%	.80*	TTL	4		0.0	5.0	15n			40m		0	70	2	B02280	M235a
21	N74LS112B	2	30M MON	2.0%	.80*	TTL	5	20	0.0	5.0	25n			40m		0	70	2	B02281	M256
22	N74LS112F	2	30M MON	2.0%	.80*	TTL	5	20	0.0	5.0	25n			40m		0	70	2	B02281	M153a
23	N74LS113A	2	30M MON	2.0%	.80*	TTL	4	20	0.0	5.0	25n			40m		0	70	2	B02294	M318
24	N74LS113F	2	30M MON	2.0%	.80*	TTL	4	20	0.0	5.0	25n			40m		0	70	2	B02294	M235a
25	N74LS114A	2	30M MON	2.0%	.80*	TTL	5	20	0.0	5.0	25n			40m		0	70	2	B02281	M318
26	N74LS114F	2	30M MON	2.0%	.80*	TTL	5	20	0.0	5.0	25n			40m		0	70	2	B02281	M235a
27	NC74H71N	2	30MΔ%MON	2.0%	.80*	TTL	10	20	0.0	7.0	27nΔ					0	70	1	B0297	M126
28	NC74H72N	2	30MΔ%MON	2.0%	.80*	TTL	9	20	0.0	7.0	27nΔ					0	70	1	B0295	M126
29	SN54H71J	2	30MΔ%MON	2.0%	.80*	TTL	10	20	0	7	27nΔ					-55	125	1	B0297	M157b
30	SN54H71N	2	30MΔ%MON	2.0%	.80*	TTL	10	20	0	7	27nΔ					-55	125	1	B0297	M126
31	SN54H71W	2	30M%ΔMON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ					-55	125	1	B0297	Δ004AA
32	SN54H72J	2	30MΔ%MON	2.0%	.80*	TTL	9	20	0	7	27nΔ					-55	125	1	B0295	M157b
33	SN54H72N	2	30MΔ%MON	2.0%	.80*	TTL	9	20	0	7	27nΔ					-55	125	1	B0295	M126
34	SN54H72W	2	30M%ΔMON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ					-55	125	1	B0295	Δ004AA
35	SN54H73J	2	30MΔ%MON	2.0%	.80*	TTL	4	20	0.0	7.0	19n%			80mΔ	1.0 Δ	-55	125	2	B02155a	M157b
36	SN54H73N	2	30MΔ%MON	2.0%	.80*	TTL	4	20	0.0	7.0	19n%			80mΔ	1.0 Δ	-55	125	2	B02155a	M126
37	SN54H73W	2	30M%ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	19n%			184m†	1.0 Δ	-55	125	2	B02155a	Δ004AA
38	SN54H76J	2	30M% MON	2.0%	.80*	TTL	5	20	0.0	5.0	20n			160m†	1.0 Δ	-55	125	2	B0292	M157b
39	SN54H76N	2	30M% MON	2.0%	.80*	TTL	5	20	0.0	5.0	20n			160m†	1.0 Δ	-55	125	2	B0292	M117
40	SN54H78J	2	30MΔ%MON	2.0%	.80*	TTL	5	20	0.0	7.0	19n%			80mΔ	1.0 Δ	-55	125	2	B02155	M157b
41	SN54H78N	2	30MΔ%MON	2.0%	.80*	TTL	5	20	0.0	7.0	19n%			80mΔ	1.0 Δ	-55	125	2	B02155	M126
42	SN54H78W	2	30M%ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	19n%			184m†	1.0 Δ	-55	125	2	B02155	Δ004AA
43#	SN64L71N	2	30MΔ%MON	2.0%	.80*	TTL	10	20	0.0	7.0	27nΔ			43m†	1.0	-40	85	1	B0297	M126
44#	SN64L72N	2	30MΔ%MON	2.0%	.80*	TTL	9	20	0.0	7.0	27nΔ			43m†	1.0	-40	85	1	B0295	M126
45#	SN64L73N	2	30MΔ%MON	2.0%	.80*	TTL	4	20	0.0	7.0	19n%			80m†	1.0 Δ	-40	85	2	B02155a	M126
46#	SN64L78N	2	30MΔ%MON	2.0%	.80*	TTL	5	20	0.0	7.0	19n%			80m†	1.0 Δ	-40	85	2	B02155	M126
47	SN74H71J	2	30MΔ%MON	2.0%	.80*	TTL	10	20	0	7	27nΔ					0	70	1	B0297	M157b
48	SN74H71N	2	30MΔ%MON	2.0%	.80*	TTL	10	20	0	7	27nΔ					0	70	1	B0297	M126e
49	SN74H71W	2	30M%ΔMON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ					0	70	1	B0297	T084
50	SN74H72J	2	30MΔ%MON	2.0%	.80*	TTL	9	20	0	7	27nΔ					0	70	1	B0295	M157b
51	SN74H72N	2	30MΔ%MON	2.0%	.80*	TTL	9	20	0	7	27nΔ					0	70	1	B0295	M126e
52	SN74H72W	2	30M%ΔMON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ					0	70	1	B0295	T084
53	SN74H73J	2	30MΔ%MON	2.0%	.80*	TTL	4	20	0.0	7.0	27nΔ			80mΔ	1.0 Δ	0	70	2	B02155a	M157b
54	SN74H73N	2	30MΔ%MON	2.0%	.80*	TTL	4	20	0.0	7.0	27nΔ			80mΔ	1.0 Δ	0	70	2	B02155a	M126e
55	SN74H73W	2	30M%ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	27nΔ			184m†	1.0 Δ	0	70	2	B02155a	T084
56	SN74H76J	2	30M% MON	2.0%	.80*	TTL	5	20	0.0	5.0	20n			160m†	1.0 Δ	0	70	2	B0292	M157b
57	SN74H76N	2	30M% MON	2.0%	.80*	TTL	5	10	0.0	5.0	20n			160m†	1.0 Δ	0	70		B0292	M126e
58	SN74H78J	2	30MΔ%MON	2.0%	.80*	TTL	5	20	0.0	7.0	27nΔ			80mΔ	1.0 Δ	0	70	2	B02155	M157b
59	SN74H78N	2	30MΔ%MON	2.0%	.80*	TTL	5	20	0.0	7.0	27nΔ			80mΔ	1.0 Δ	0	70	2	B02155	M126e
60	SN74H78W	2	30M%ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ			184m†	1.0 Δ	0	70	2	B02155	T084
61▼	SN74LS73J	2	30MØ MON	2.0%	.80*	TTL	4	22	0.0	5.0	30nΔ			20mΔ	1.0 *	0	70	2	B02274	M157b
62▼	SN74LS73N	2	30MØ MON	2.0%	.80*	TTL	4	22	0.0	5.0	30nΔ			20mΔ	1.0 *	0	70	2	B02274	M126e
63▼	SN74LS76J	2	30MØ MON	2.0%	.80*	TTL	5	22	0.0	5.0	30nΔ			20mΔ	1.0 *	0	70	2	B02275	M153d
64▼	SN74LS76N	2	30MØ MON	2.0%	.80*	TTL	5	22	0.0	5.0	30nΔ			20mΔ	1.0 *	0	70	2	B02275	M117x
65▼	SN74LS78J	2	30MØ MON	2.0%	.80*	TTL	5	22	0.0	5.0	30nΔ			20mΔ	1.0 *	0	70	2	B02154	M157b
66▼	SN74LS78N	2	30MØ MON	2.0%	.80*	TTL	5	22	0.0	5.0	30nΔ			20mΔ	1.0 *	0	70	2	B02154	M126e
67▼	SN74LS112J	2	30MØ MON	2.0%	.80*	TTL	5	22	0.0	5.0	30nΔ			20mΔ	1.0 *	0	70	2	B02257	M153d
68▼	SN74LS112N	2	30MØ MON	2.0%	.80*	TTL	5	22	0.0	5.0	30nΔ			20mΔ	1.0 *	0	70	2	B02257	M117x
69▼	SN74LS113J	2	30MØ MON	2.0%	.80*	TTL	4	22	0.0	5.0	30nΔ			20mΔ	1.0 *	0	70	2	B02258	M157b
70▼	SN74LS113N	2	30MØ MON	2.0%	.80*	TTL	4	22	0.0	5.0	30nΔ			20mΔ	1.0 *	0	70	2	B02258	M126e
71▼	SN74LS114J	2	30MØ MON	2.0%	.80*	TTL	5	22	0.0	5.0	30nΔ			20mΔ	1.0 *	0	70	2	B02258a	M157b
72▼	SN74LS114N	2	30MØ MON	2.0%	.80*	TTL	5	22	0.0	5.0	30nΔ			20mΔ	1.0 *	0	70	2	B02258a	M126e
73	US54H71A	2	30MΔ%MON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ	10n	10n			-55	125	1	B0297	M105b
74	US54H71J	2	30MΔ%MON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ	10n	10n			-55	125	1	B0297	T088
75	US54H72A	2	30MΔ%MON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ	10n	10n			-55	125	1	B0295	M105b
76	US54H72J	2	30MΔ%MON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ	10n	10n			-55	125	1	B0295	T088
77	US54H76A	2	30MΔ%MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ	10n	10n	160m†	1.0 Δ	-55	125	2	B0292	M105b
78	US54H78A	2	30MΔ%MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ	10n	10n	80m	1.0 Δ	-55	125	2	B02155	M105b
79	US54H78J	2	30MΔ%MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ	10n	10n	80m	1.0 Δ	-55	125	2	B02155	T088
80	US74H71A	2	30MΔ%MON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ	10n	10n			0	70	1	B0297	M105b
81	US74H71J	2	30MΔ%MON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ	10n	10n			0	70	1	B0297	T088
82	US74H72A	2	30MΔ%MON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ	10n	10n			0	70	1	B0295	M105b
83	US74H72J	2	30MΔ%MON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ	10n	10n			0	70	1	B0295	T088
84	US74H76A	2	30MΔ%MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ	10n	10n	160m†	1.0 Δ	0	70	2	B0292	M105b
85	US74H78A	2	30MΔ%MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ	10n	10n	80m	1.0 Δ	0	70	2	B02155	M105b
86	US74H78J	2	30MΔ%MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ	10n	10n	80m	1.0 Δ	0	70	2	B02155	T088
87▼#	FLJ561-74109	2	33M%ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ			150m§	1.0 Δ	0	70	2	B02260	M117w
88▼#	FLJ565-84109	2	33M%ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ			150m§	1.0 Δ	-25	85	2	B02260	M117w
89♦	N7470A	2	35M%ΔMON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			130m§	1.0 †	0	70	1	B0273	M318
90▼	N7470F	2	35M%ΔMON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			130m§	1.0 †	0	70	1	B0273	M257f
91♦	S5470A	2	35M%ΔMON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			130m§	1.0 †	-55	125	1	B0273	M318
92▼	S5470F	2	35M%ΔMON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			130m§	1.0 †	-55	125	1	B0273	M257f
93▼	S5470W	2	35M%ΔMON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			130m§	1.0 †	-55	125	1	B0273	FP39e
94#	TL7470N	2	35M†%MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			136m†		0	70	1	B022	M126n
95▼#	GJB74H72P	2	40M% MON	2.0%	.80*	TTL	9	10	0.0	5.0	27nΔ			84m†	400m	0	70	1	B0294c	M126n
96	N74H101A	2	40MΔØMON	2.0%	.80*	TTL	10	10	0.0	5.0	23n			190m§		0	70	1	B02219	M318
97	N74H101F	2	40MΔØMON	2.0%	.80*	TTL	10	10	0.0	5.0	23n			190m§		0	70	1	B02219	M200x
98	N74H102A	2	40MΔØMON	2.0%	.80*	TTL	9	10	0.0	5.0	23n			190m§		0	70	1	B02220	M318
99	N74H102F	2	40MΔØMON	2.0%	.80*	TTL	9	10	0.0	5.0	23n			190m§		0	70	1	B02220	M200x
100	N74H103A	2	40MΔØMON	2.0%	.80*	TTL	4	10	0.0	5.0	23n			380m§		0	70	2	B02203	M318
101	N74H103F	2	40MΔØMON	2.0%	.80*	TTL	4	10	0.0	5.0	23n			380m§		0	70	2	B02203	M200x

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	N74H106B	2	40MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	23n			380m§		0	70	2	B02275	M317
2	N74H106F	2	40MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	23n			380m§		0	70	1	B02275	M200v
3	N74H108A	2	40MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	23n			380m§		0	70	2	B02227	M318
4	N74H108F	2	40MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	23n			380m§		0	70	2	B02227	M200x
5	S54H101A	2	40MΔØ	MON	2.0%	.80*	TTL	10	10	0.0	5.0	23n			190m§		-55	125	1	B02219	M318
6	S54H101F	2	40MΔØ	MON	2.0%	.80*	TTL	10	10	0.0	5.0	23n			190m§		-55	125	1	B02219	M200x
7	S54H101W	2	40MΔØ	MON	2.0%	.80*	TTL	10	10	0.0	5.0	23n			190m§		-55	125	1	B02219	FP39e
8	S54H102A	2	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	23n			190m§		-55	125	1	B02220	M318
9	S54H102F	2	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	23n			190m§		-55	125	1	B02220	M200x
10	S54H102W	2	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	23n			190m§		-55	125	1	B02220	FP39e
11	S54H103A	2	40MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	23n			380m§		-55	125	2	B02203	M318
12	S54H103F	2	40MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	23n			380m§		-55	125	2	B02203	M200x
13	S54H103W	2	40MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	23n			380m§		-55	125	2	B02203	FP39e
14	S54H106B	2	40MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	23n			380m§		-55	125	2	B02275	M317
15	S54H106F	2	40MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	23n			380m§		-55	125	2	B02275	M200v
16	S54H106W	2	40MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	23n			380m§		-55	125	2	B02275	FP47g
17	S54H108A	2	40MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	23n			380m§		-55	125	2	B02227	M318
18	S54H108F	2	40MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	23n			380m§		-55	125	2	B02227	M200x
19	S54H108W	2	40MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	23n			380m§		-55	125	2	B02227	FP39e
20	SN54LS107J	2	45M%	ΔMON	2.0%	.80*	TTL	4	5	0.0	5.0	30nΔ			40m§	300m	-55	125	2	B02280a	M157b
21	SN54LS107W	2	45M%	ΔMON	2.0%	.80*	TTL	4	5	0.0	5.0	30nΔ			40m§	300m	-55	125	2	B02280a	Δ004AA
22	SN74LS107J	2	45M%	ΔMON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			40m§	400m	0	70	2	B02280a	M157b
23	SN74LS107N	2	45M%	ΔMON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			40m§	400m	0	70	2	B02280a	M126e
24	SN54H101J	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	-55	125	1	B02219	M157b
25	SN54H101N	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	-55	125	1	B02219	M126
26	SN54H101W	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	-55	125	1	B02219	Δ004AA
27	SN54H102J	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	-55	125	1	B02220	M157b
28	SN54H102N	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	-55	125	1	B02220	M126
29	SN54H102W	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	-55	125	1	B02220	Δ004AA
30	SN54H103J	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02203	M157b
31	SN54H103N	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02203	M126
32	SN54H103W	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02203	Δ004AA
33	SN54H106J	2	50M†	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02217	M157b
34	SN54H106N	2	50M%	MON	2.0%	.80*	TTL	5	10	0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02217	M117
35	SN54H106W	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02217	Δ004AA
36	SN54H108J	2	50M%	MON	2.0%	.80*	TTL	5	10	0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02218	M157b
37	SN54H108N	2	50M%	MON	2.0%	.80*	TTL	5	10	0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02218	M126
38	SN54H108W	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02218	Δ004AA
39	SN74H101J	2	50M%	MON	2.0%	.80*	TTL	9	10	0	5.0	13n			100mt	1.0 Δ	0	70	1	B02219	M157b
40	SN74H101N	2	50M%	MON	2.0%	.80*	TTL	9	10	0	5.0	13n			100mt	1.0 Δ	0	70	1	B02219	M126e
41	SN74H101W	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	0	70	1	B02219	TO84
42	SN74H102J	2	50M%	MON	2.0%	.80*	TTL	9	10	0	5.0	13n			100mt	1.0 Δ	0	70	1	B02220	M157b
43	SN74H102N	2	50M%	MON	2.0%	.80*	TTL	9	10	0	5.0	13n			100mt	1.0 Δ	0	70	1	B02220	M126e
44	SN74H102W	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	0	70	1	B02220	TO84
45	SN74H103J	2	50M%	MON	2.0%	.80*	TTL	5	10	0	5.0	13n			200mt	1.0 Δ	0	70	2	B02203	M157b
46	SN74H103N	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	0	70	2	B02203	M126e
47	SN74H103W	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	0	70	2	B02203	TO84
48	SN74H106J	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	0	70	2	B02217	M157b
49	SN74H106N	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	0	70	2	B02217	M126e
50	SN74H108J	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	0	70	2	B02218	M157b
51	SN74H108N	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	0	70	2	B02218	M126e
52	SN74H108W	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	0	70	2	B02218	TO84
53	T54S73J	2	60MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	25nΔ			380m§		-55	125	2	B02274	M157c
54	T54S76J	2	60MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	25nΔ			380m§		-55	125	2	B02275	M352
55	T54S78J	2	60MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	25nΔ			380m§		-55	125	1	B02277	M157c
56	T54S107J	2	60MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	25nΔ			380m§		-55	125	2	B02276	M157c
57	T74S73J	2	60MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	25nΔ			380m§		0	70	2	B02274	M157c
58	T74S76J	2	60MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	25nΔ			380m§		0	70	2	B02275	M352
59	T74S78J	2	60MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	25nΔ			380m§		0	70	1	B02277	M157c
60	T74S107J	2	60MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	25nΔ			380m§		0	70	2	B02276	M157c
61	US54H571A	2	60M%	ΔMON	2.0%	.80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	-55	125	1	B02106a	M105b
62	US54H571J	2	60M%	ΔMON	2.0%	.80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	-55	125	1	B02106b	TO88
63	US54H572A	2	60M%	ΔMON	2.0%	.80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	-55	125	1	B0288	M105b
64	US54H572J	2	60M%	ΔMON	2.0%	.80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	-55	125	1	B0288	TO88
65	US74H571A	2	60M%	ΔMON	2.0%	.80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	0	70	1	B02106a	M105b
66	US74H571J	2	60M%	ΔMON	2.0%	.80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	0	70	1	B02106b	TO88
67	US74H572A	2	60M%	ΔMON	2.0%	.80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	0	70	1	B0288	M105b
68	US74H572J	2	60M%	ΔMON	2.0%	.80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	0	70	1	B0288	TO88
69#	M5S112P	2	80MΔ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	5.0n			250m%	1.0 Δ	0	75	2	B02257	M153b
70#	M5S113P	2	80MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	5.0n			250m%	1.0 Δ	0	75	2	B02258	M105j
71#	M5S114P	2	80MΔ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	5.0n			250m%	1.0 Δ	0	75	2	B02258a	M105j
72	SN54S112J	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02257	M153d
73	SN54S112N	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02257	M117
74	SN54S112W	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02257	Δ004AG
75	SN54S113J	2	80MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02258	M157b
76	SN54S113W	2	80MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02258	Δ004AA
77	SN54S114J	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02258a	M157b
78	SN54S114W	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02258a	Δ004AA
79	SN74S112J	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02257	M153d
80	SN74S112N	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02257	M117x
81	SN74S112W	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02257	Δ004AG
82	SN74S113J	2	80MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02258	M157b
83	SN74S113N	2	80MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02258	M126e
84	SN74S114J	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02258a	M157b
85	SN74S114N	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02258a	M126e
86	T54S103J	2	110MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20nΔ			380m§		-55	125	2	B02274	M157c
87	T54S106J	2	110MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	20nΔ			380m§		-55	125	2	B02275	M352
88	T54S107AJ	2	110MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20nΔ			380m§		-55	125	2	B02276	M157c
89	T54S108J	2	110MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	20nΔ			380m§		-55	125	1	B02277	M157c
90	T74S103J	2	110MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20nΔ			380m§		0	70	2	B02274	M157c
91	T74S106J	2	110MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	20nΔ			380m§		0	70	2	B02275	M352
92	T74S107AJ	2	110MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20nΔ			380m§		0	70	2	B02276	M157c
93	T74S108J	2	110MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	20nΔ			380m§		0	70	1	B02277	M157c
94	DM74S112N	2	125MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	7.0nΔ			150mt		0	70	2	B02257	M344
95	DM74S113N	2	125MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.0nΔ			150mt		0	70	2	B02258	M344
96	DM74S114N	2	125M%	ΔMON	2.0%	.80*	TTL	5	10	0.0	5.0	7.0nΔ			150mt		0	70	2	B02258a	M344
97▼	N74S112B	2	125M%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§	1.0 †	0	70	2	B02257	M317
98▼	N74S112F	2	125M%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§	1.0 †	0	70	2	B02257	FP47g
99▼	N74S113A	2	125M%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.0nΔ			250m§	1.0 †	0	70	2	B02258	M318
100▼	N74S113F	2	125M%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.0nΔ			250m§	1.0 †	0	70	2	B02258	M257f
101▼	N74S114A	2	125M%	MON	2.0%	.80*	TTL	8	20	0.0	5.0	7.0nΔ			250m§	1.0 †	0	70	1	B02258a	M318
102▼	N74S114F	2	125M%	ΔMON	2.0%	.80*	TTL	8	20	0.0	5.0	7.0nΔ			250m§	1.0 †	0	70	1	B02258a	M257f
103▼	S54S112B	2	125M%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§	1.0 †	-55	125	2	B02257	M317
104▼	S54S112F	2	125M%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§	1.0 †	-55	125	2	B02257	M200v
105▼	S54S112W	2	125M%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§	1.0 †	-55	125	2	B02257	FP47g
106▼	S54S113A	2	125M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	7.0nΔ			250m§	1.0 †	-55	125	2	B02258	M318
107▼	S54S113F	2	125M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	7.0nΔ			250m§	1.0 †	-55	125	2	B02258	M257f
108▼	S54S113W	2	125M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	7.0nΔ			250m§	1.0 †	-55	125	2	B02258	FP39e
109▼	S54S114A	2	125M%	ΔMON	2.0%	.80*	TTL	8	20	0.0	5.0	7.0nΔ			250m§	1.0 †	-55	125	1	B02258a	M318
110▼	S54S114F	2	125M%	ΔMON	2.0%	.80*	TTL	8	20	0.0	5.0	7.0nΔ			250m§	1.0 †	-55	125	1	B02258a	M257f

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	S54S114W	2	125M%	Δ MON	2.0%	.80*	TTL	8	20	0.0	5.0	7.0nΔ			250m§	1.0 †	-55	125	1	B02258a	FP39e
2	TF54S112F	2	125M	Δ%MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		-55	125	2	B02257	FP101
3	TF54S112J	2	125M	Δ%MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		-55	125	2	B02257	M352
4	TF54S113F	2	125M	Δ%MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.0nΔ			250m§		-55	125	2	B02258	T086
5	TF54S113J	2	125M	Δ%MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.0nΔ			250m§		-55	125	2	B02258	M157c
6	TF54S114F	2	125M	Δ%MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		-55	125	2	B02258a	T086
7	TF54S114J	2	125M	Δ%MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		-55	125	2	B02258a	M157c
8	TF74S112F	2	125M	Δ%MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		0	70	2	B02257	FP101
9	TF74S112J	2	125M	Δ%MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		0	70	2	B02257	M352
10	TF74S113F	2	125M	Δ%MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.0nΔ			250m§		0	70	2	B02258	T086
11	TF74S113J	2	125M	Δ%MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.0nΔ			250m§		0	70	2	B02258	M157c
12	TF74S114F	2	125M	Δ%MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		0	70	2	B02258a	T086
13	TF74S114J	2	125M	Δ%MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		0	70	2	B02258a	M157c
14♦	HEPC3073P-RT	2		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt				2	B02130	TO116
15	M204	2	10M	PCB	2.4	.40	TTL	1	10			35n	15n	15n	200m	1.0	0	70	4		
16	M207	2	10M	PCB	2.4	.40	TTL	1	10			35n	15n	15n	240m	1.0	0	70	6		
17	MC5473F	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt		-55	125	2	B02196	T086
18	MC5473L	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt		-55	125	2	B02196	TO116
19	MC7473F	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt		0	70	2	B02196	T086
20	MC7473L,P%	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt		0	70	2	B02196	TO116
21	MC7476P	2	15M%	MON	2.4%	.40*†	TTL	5	10	0.0	5.0	30n			80mt		0	70	2	B02196	M278
22	MC54107F	2	15M	Δ%MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n%			80mt		-55	125	2	B02196a	T086
23	MC54107L	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt		-55	125	2	B02196a	TO116
24	MC74107F	2	15M	Δ%MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n%			80mt		0	75	2	B02196a	T086
25	MC74107L,P%	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n%			80mt		0	75	2	B02196a	TO116
26	MCB5473F	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt		-55	125	2	B02196c	T086
27	MCBC5473	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt		-55	125	2	B02196c	FC3
28	MC5472F	2	20M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	30n			40mt		-55	125	1	B02195	T086
29	MC5472L	2	20M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	30n			40mt		-55	125	1	B02195	TO116
30	MC7472F	2	20M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	30n			40mt		0	70	1	B02195	T086
31	MC7472L,P%	2	20M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	30n			40mt		0	70	1	B02195a	TO116
32	MCB5472F	2	20M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	30n			40mt		-55	125	1	B02230	FP77
33	MCBC5472	2	20M%	MON	2.4	.40	TTL	9	10	0.0	5.0	30n			40mt		-55	125	1	B02230	FC2
34	MC3063F	2	30M%	MON	2.4%	.40†*	TTL	4	10	0.0	5.0	10n%			176mt		0	75	2	B02233	T086
35	MC3063L,P%	2	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	10n%			176mt	700m	0	75	2	B02233	TO116
36	MC3163F	2	30M%	MON	2.4%	.40†*	TTL	4	10	0.0	5.0	10n%			176mt		-55	125	2	B02233	T086
37	MC3163L	2	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	10n%			176mt	700m	-55	125	2	B02233	TO116
38	MCE54H73F	2	30MΔ	MON	2.4%	.40†*	TTL	4	10	0.0	5.0	15n%			140mt		-55	125	1	B02196b	T086
39	MCE74H73F	2	30MΔ	MON	2.4%	.40†*	TTL	4	10	0.0	5.0	15n%			140mt		0	70	1	B02196b	T086
40	MC5470L	2	35M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	30n%			65mt		-55	125	1	B02212a	TO116
41	MC7470L,P%	2	35M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	30n%			65mt		0	70	1	B02212a	TO116
42	MC3161F	2	50Mt%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	12n			100m		-55	125	2	B02173	T086
43	MC3161L	2	50Mt%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	12n			100mt		-55	125	2	B02173	TO116
44	MC3162F	2	50Mt%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	12n			100m		-55	125	2	B02173a	T086
45	MC3162L	2	50Mt%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	12n			100mt		-55	125	2	B02173a	TO116
46	MCE54H72F	2	50MΔ	MON	2.4%	.40†*	TTL	9	10	0.0	5.0	16n%			70mt		-55	125	1	B02235	T086
47	MCE74H72F	2	50MΔ	MON	2.4%	.40†*	TTL	9	10	0.0	5.0	16n%			70mt		0	70	1	B02235	T086
48	MCE54103F	2	50Mt%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	12n%			100mt		-55	125	2	B02270	T086
49	MCE74103F	2	50Mt%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	12n%			100mt		0	70	2	B02270	T086
50	MC423F	2	45M%	MON	2.4%	.45*†	TTL	4	13	0.0	5.0	20n%	4.0n	2.5n	110mt		0	75	2	B02186	T086
51	MC423L,P%	2	45M%	MON	2.4%	.45*†	TTL	4	13	0.0	5.0	20n%	4.0n	2.5n	110mt		0	75	2	B02186	TO116
52	MC424F	2	45M%	MON	2.4%	.45*†	TTL	5†	13	0.0	5.0	20n%	4.0n	2.5n	110mt		0	75	2	B02186a	T086
53	MC424L,P%	2	45M%	MON	2.4%	.45*†	TTL	5†	13	0.0	5.0	20n%	4.0n	2.5n	110mt		0	75	2	B02186a	TO116
54	MC473F	2	45M%	MON	2.4%	.45*†	TTL	4	7	0.0	5.0	20n	4.0n	2.5n	110mt		0	75	2	B02186	T086
55	MC473L,P%	2	45M%	MON	2.4%	.45*†	TTL	4	7	0.0	5.0	20n	4.0n	2.5n	110mt		0	75	2	B02186	TO116
56	MC474F	2	45M%	MON	2.4%	.45*†	TTL	5†	7	0.0	5.0	20n	4.0n	2.5n	110mt		0	75	2	B02186a	T086
57	MC474L,P%	2	45M%	MON	2.4%	.45*†	TTL	5†	7	0.0	5.0	20n	4.0n	2.5n	110mt		0	75	2	B02186a	TO116
58	MC523F	2	45M%	MON	2.4%	.45*†	TTL	4	16	0.0	5.0	20n	4.0n	2.5n	110mt		-55	125	2	B02186	T086
59	MC523L	2	45M%	MON	2.4%	.45†*	TTL	4	16	0.0	5.0	20n	4.0n	2.5n	110mt		-55	125	2	B02186	TO116
60	MC524F	2	45M%	MON	2.4%	.45*†	TTL	5†	16	0.0	5.0	20n	4.0n	2.5n	110mt		-55	125	2	B02186a	T086
61	MC524L	2	45M%	MON	2.4%	.45†*	TTL	5†	16	0.0	5.0	20n	4.0n	2.5n	110mt		-55	125	2	B02186a	TO116
62	MC573F	2	45M%	MON	2.4%	.45*†	TTL	4	8	0.0	5.0	20n	4.0n	2.5n	110mt		-55	125	2	B02186	T086
63	MC573L	2	45M%	MON	2.4%	.45†*	TTL	4	8	0.0	5.0	20n	4.0n	2.5n	110mt		-55	125	2	B02186	TO116
64	MC574F	2	45M%	MON	2.4%	.45*†	TTL	5†	8	0.0	5.0	20n	4.0n	2.5n	110mt		-55	125	2	B02186a	T086
65	MC574L	2	45M%	MON	2.4%	.45†*	TTL	5†	8	0.0	5.0	20n	4.0n	2.5n	110mt		-55	125	2	B02186a	TO116
66	MC2023F	2	70M%	MON	2.4%	.45*†	TTL	4	9	0.0	5.0	15nΔ	4.0n	2.5n	110mt		0	75	2	B02186	T086
67	MC2023L,P%	2	70M%	MON	2.4%	.45*†	TTL	4	9	0.0	5.0	15nΔ	4.0n	2.5n	110mt		0	75	2	B02186	TO116
68	MC2024F	2	70M%	MON	2.4%	.45*†	TTL	5	9	0.0	5.0	15nΔ	4.0n	2.5n	110mt		0	75	2	B02186a	T086
69	MC2024L,P%	2	70M%	MON	2.4%	.45*†	TTL	5	9	0.0	5.0	15nΔ	4.0n	2.5n	110mt		0	75	2	B02186a	TO116
70	MC2073F	2	70M%	MON	2.4%	.45*†	TTL	4	5	0.0	5.0	15nΔ	4.0n	2.5n	110mt		0	75	2	B02186	T086
71	MC2073L,P%	2	70M%	MON	2.4%	.45*†	TTL	4	5	0.0	5.0	15nΔ	4.0n	2.5n	110mt		0	75	2	B02186	TO116
72	MC2074F	2	70M%	MON	2.4%	.45*†	TTL	5	5	0.0	5.0	15nΔ	4.0n	2.5n	110mt		0	75	2	B02186a	T086
73	MC2074L,P%	2	70M%	MON	2.4%	.45*†	TTL	5	5	0.0	5.0	15nΔ	4.0n	2.5n	110mt		0	75	2	B02186a	TO116
74	MC2123F	2	70M%	MON	2.4%	.45*†	TTL	4	11	0.0	5.0	15nΔ	4.0n	2.5n	110mt		-55	125	2	B02186	T086
75	MC2123L	2	70M%	MON	2.4%	.45*†	TTL	4	11	0.0	5.0	15nΔ	4.0n	2.5n	110mt		-55	125	2	B02186	TO116
76	MC2124F	2	70M%	MON	2.4%	.45*†	TTL	5	11	0.0	5.0	15nΔ	4.0n	2.5n	110mt		-55	125	2	B02186a	T086
77	MC2124L	2	70M%	MON	2.4%	.45*†	TTL	5	11	0.0	5.0	15nΔ	4.0n	2.5n	110mt		-55	125	2	B02186a	TO116
78	MC2173F	2	70M%	MON	2.4%	.45*†	TTL	4	6	0.0	5.0	15nΔ	4.0n	2.5n	110mt		-55	125	2	B02186	T086
79	MC2173L	2	70M%	MON	2.4%	.45*†	TTL	4	6	0.0	5.0	15nΔ	4.0n	2.5n	110mt		-55	125	2	B02186	TO116
80	MC2174F	2	70M%	MON	2.4%	.45*†	TTL	5	6	0.0	5.0	15nΔ	4.0n	2.5n	110mt		-55	125	2	B02186a	T086
81	MC2174L	2	70M%	MON	2.4%	.45*†	TTL	5	6	0.0	5.0	15nΔ	4.0n	2.5n	110mt		-55	125	2	B02186a	TO116
82	MC3061F	2	50Mt%	MON	2.5%	.40*†	TTL	4	10	0.0	5.0	12n			100m		0	75	2	B02173	T086
83	MC3061L,P%	2	50Mt%	MON	2.5%	.40*†	TTL	4	10	0.0	5.0	12n			100mt		0	75	2	B02173	TO116
84	MC3062F	2	50Mt%	MON	2.5%	.40*†	TTL	4	10	0.0	5.0	12n			100m		0	75	2	B02173a	T086
85	MC3062L,P%	2	50Mt%	MON	2.5%	.40*†	TTL	4	10	0.0	5.0	12n			100mt		0	75	2	B02173a	TO116
86	N8821J	2	25Mt%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	0	75	2	B02184	T088
87	N8822A	2	25Mt%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	0	75	2	B02184a	TO116
88	N8822F	2	25M%	MON	2.6%	.40†*	TTL	5	20	0.0	5.0	20n%					0	75	2	B02184a	M157
89	N8822J	2	25Mt%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	0	75	2	B02184a	T088
90	N8824B	2	25Mt%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	0	75	2	B02184b	M117a
91	N8825A	2	25Mt%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	0	75	1	B0273	TO116
92	N8825F	2	25M%	MON	2.6%	.40†*	TTL	9	20	0.0	5.0	50n%					0	75	1	B0273	M157
93	N8825J	2	25Mt%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	0	75	1	B0273	T088
94	N8829A	2	25Mt%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	0	75	1	B02134	TO116
95	N8829F	2	25M%	MON	2.6%	.40†*	TTL	9	20	0.0	5.0	50n%					0	75	1	B02134	M157
96	N8829J	2	25Mt%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	0	75	1	B02134	T088
97	S8821J	2	25Mt%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	-55	125	2	B02184	T088
98	S8822A	2	25Mt%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	-55	125	2	B02184a	TO116
99	S8822F	2	25M%	MON	2.6%	.40†*	TTL	5	20	0.0	5.0	20n%					-55	125	2	B02184a	M157
100	S8822J	2	25Mt%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	-55	125	2	B02184a	T088
101	S8824B	2	25Mt%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	-55	125	2	B02184b	M117a
102	S8825A	2	25Mt%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	-55	125	1	B0273	TO116
103	S8825F	2	25M%	MON	2.6%	.40†*	TTL	9	20	0.0	5.0	50n%					-55	125	1	B0273	M157
104	S8825J	2	25Mt%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	-55	125	1	B0273	T088
105	S8829A	2	25Mt%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	-55	125	1	B02134	TO116
106	S8829F	2	25M%	MON	2.6%	.40†*	TTL	4	20	0.0	5.0	50n%					-55	125	1	B02108	M157
107	S8829J	2	25Mt%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	-55	125	1	B02134	T088
108	N8826A	2	30Mt%	MON	2.6%	.40*†	TTL	4	10	0	5	28n%Δ		50n	62m	600m	0	75	2	B02108	TO116
109	N8826F	2	30M%†	MON	2.6%	.40†*	TTL	4	10	0.0	5.0	28n%Δ		50n	62m	600m	0	75	2	B02108	M157
110	N8826J	2	30Mt%	MON	2.6%	.40*†	TTL	4	10	0	5	28n%Δ		50n	62m	600m	0	75	2	B02108	T088

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	N8827A	2	30Mt%	MON	2.6%	.40*†	TTL	5	10	0	5	2.0n		50n	64m	600m	0	75	2	B02108a	TO116
2	N8827F	2	30Mt%	MON	2.6%	.40†*	TTL	5	10	0.0	5.0	2.0n		50n	64m	600m	0	75	2	B02108	M157
3	N8827J	2	30Mt%	MON	2.6%	.40*†	TTL	5	10	0	5	2.0n		50n	64m	600m	0	75	2	B02108a	TO88
4	S8826A	2	30Mt%	MON	2.6%	.40*†	TTL	4	10	0	5	28n%Δ		50n	62m	600m	-55	125	2	B02108	TO116
5	S8826F	2	30M%†	MON	2.6%	.40†*	TTL	4	10	0.0	5.0	28n%Δ		50n	62m	600m	-55	125	2	B02108	M157
6	S8826J	2	30Mt%	MON	2.6%	.40*†	TTL	4	10	0	5	28n%Δ		50n	62m	600m	-55	125	2	B02108	TO88
7	S8827A	2	30Mt%	MON	2.6%	.40*†	TTL	5	10	0	5	2.0n		50n	64m	600m	-55	125	2	B02108a	TO116
8	S8827F	2	30Mt%	MON	2.6%	.40†*	TTL	5	10	0.0	5.0	2.0n		50n	64m	600m	-55	125	2	B02108	M157
9	S8827J	2	30Mt%	MON	2.6%	.40*†	TTL	5	10	0	5	2.0n		50n	64m	600m	-55	125	2	B02108a	TO88
10	N8H20Q	2	80M%†	MON	2.6%	.40†*	TTL	4	30	0.0	5.0	9.0n%		50n	90mΔ	600m	0	75	2	B0292b	TO88
11	N8H21A	2	80Mt%	MON	2.6%	.40*†	TTL	5	30	0	5	9.0n%		50n	90mΔ	600m	0	75	2	B0292c	TO116
12	N8H21F	2	80M%†	MON	2.6%	.40†*	TTL	5	30	0.0	5.0	9.0n%		50n	90mΔ	600m	0	75	2	B0292c	M157
13	N8H21Q	2	80M%†	MON	2.6%	.40†*	TTL	5	30	0.0	5.0	9.0n%		50n	90mΔ	600m	0	75	2	B0292c	TO88
14	N8H22B	2	80Mt%	MON	2.6%	.40*†	TTL	5	30	0	5	9.0n%		50n	90mΔ	600m	0	75	2	B0292d	M117a
15	N8H22E	2	80M%†	MON	2.6%	.40†*	TTL	5	30	0.0	5.0	9.0n%		50n	90mΔ	600m	0	75	2	B0292d	M153a
16	S8H20Q	2	80M%†	MON	2.6%	.40†*	TTL	4	30	0.0	5.0	90n%		50n	90mΔ	600m	-55	125	2	B0292b	TO88
17	S8H21A	2	80Mt%	MON	2.6%	.40*†	TTL	5	30	0	5	9.0n%		50n	90mΔ	600m	-55	125	2	B0292c	TO116
18	S8H21F	2	80M%†	MON	2.6%	.40†*	TTL	5	30	0.0	5.0	90n%		50n	90mΔ	600m	-55	125	2	B0292c	M157
19	S8H21Q	2	80M%†	MON	2.6%	.40†*	TTL	5	30	0.0	5.0	90n%		50n	90mΔ	600m	-55	125	2	B0292c	TO88
20	S8H22B	2	80Mt%	MON	2.6%	.40*†	TTL	5	30	0	5	9.0n%		50n	90mΔ	600m	-55	125	2	B0292d	M117a
21	S8H22E	2	80M%†	MON	2.6%	.40†*	TTL	5	30	0.0	5.0	90n%		50n	90mΔ	600m	-55	125	2	B0292d	M153a
22	54R112	2	70M		2.7	.40	TTL		10	0.0	5.0	11n			250m		-55	125			
23	54R113	2	70M		2.8	.40	TTL		10	0.0	5.0	11n			250m		-55	125			
24	54R114	2	70M		2.8	.40	TTL		10	0.0	5.0	11n			250m		-55	125			
25	74R112	2	70M		2.8	.40	TTL		10	0.0	5.0	11n			250m		0	75			
26	74R113	2	70M		2.8	.40	TTL		10	0.0	5.0	11n			250m		0	75			
27	74R114	2	70M		2.8	.40	TTL		10	0.0	5.0	11n			250m		0	75			
28	RF100BL	2	35MtØ	MON	3.0%	.40*	TTL	4	11	0.0	5.0	20nΔ			110m†	700m	-55	125	2	B02264	FC4
29	RF101BL	2	35MtØ	MON	3.0%	.40*	TTL	4	6	0.0	5.0	20nΔ			110m†	700m	-55	125	2	B02264	FC4
30	RF102BL	2	35MtØ	MON	3.0%	.40*	TTL	4	9	0.0	5.0	20nΔ			110m†	700m	0	75	2	B02264	FC4
31	RF103BL	2	35MtØ	MON	3.0%	.40*	TTL	4	5	0.0	5.0	20nΔ			110m†	700m	0	75	2	B02264	FC4
32	RF110BL	2	35MtØ	MON	3.0%	.40*	TTL	8	11	0.0	5.0	20nΔ			110m†	700m	-55	125	2	B02264a	FC4
33	RF111BL	2	35MtØ	MON	3.0%	.40*	TTL	8	6	0.0	5.0	20nΔ			110m†	700m	-55	125	2	B02264a	FC4
34	RF112BL	2	35MtØ	MON	3.0%	.40*	TTL	8	9	0.0	5.0	20nΔ			110m†	700m	0	75	2	B02264a	FC4
35	RF113BL	2	35MtØ	MON	3.0%	.40*	TTL	8	5	0.0	5.0	20nΔ			110m†	700m	0	75	2	B02264a	FC4
36	RF120BL	2	50MtØ	MON	3.0%	.40*	TTL	4	11	0.0	5.0	15nΔ			110m†	700m	-55	125	2	B02264	FC4
37	RF121BL	2	50MtØ	MON	3.0%	.40*	TTL	4	6	0.0	5.0	15nΔ			110m†	700m	-55	125	2	B02264	FC4
38	RF122BL	2	50MtØ	MON	3.0%	.40*	TTL	4	9	0.0	5.0	15nΔ			110m†	700m	0	75	2	B02264	FC4
39	RF123BL	2	50MtØ	MON	3.0%	.40*	TTL	4	5	0.0	5.0	15nΔ			110m†	700m	0	75	2	B02264	FC4
40	RF130BL	2	50MtØ	MON	3.0%	.40*	TTL	8	11	0.0	5.0	15nΔ			110m†	700m	-55	125	2	B02264a	FC4
41	RF131BL	2	50MtØ	MON	3.0%	.40*	TTL	8	6	0.0	5.0	15nΔ			110m†	700m	-55	125	2	B02264a	FC4
42	RF132BL	2	50MtØ	MON	3.0%	.40*	TTL	8	9	0.0	5.0	15nΔ			110m†	700m	0	75	2	B02264a	FC4
43	RF133BL	2	50MtØ	MON	3.0%	.40*	TTL	8	5	0.0	5.0	15nΔ			110m†	700m	0	75	2	B02264a	FC4
44	RF200BL	2	50MtØ	MON	3.0%	.40*	TTL	10	11†	0.0	5.0	15nΔ			50m†	900m	-55	125	1	B02265	FC5
45	RF201BL	2	50MtØ	MON	3.0%	.40*	TTL	10	6†	0.0	5.0	15nΔ			50m†	900m	-55	125	1	B02265	FC5
46	RF202BL	2	50MtØ	MON	3.0%	.40*	TTL	10	9†	0.0	5.0	15nΔ			50m†	900m	0	75	1	B02265	FC5
47	RF203BL	2	50MtØ	MON	3.0%	.40*	TTL	10	5†	0.0	5.0	15nΔ			50m†	900m	0	75	1	B02265	FC5
48	RF3202D	2	90Mt	MON	3.0%	.45*†	TTL	8	9†	0.0	5.0	12nΔ	3.0n	2.5n	500m†	1.1	0	75	1	B02231	M105m
49	RF3202K	2	90Mt	MON	3.0%	.45*†	TTL	8	9†	0.0	5.0	12nΔ	3.0n	2.5n	50m†	1.1	0	75	1	B02231	FP21b
50	RF3212D	2	90Mt	MON	3.0%	.45*†	TTL	8	9†	0.0	5.0	12nΔ	3.0n	2.5n	60m†	1.1	0	75	1	B02232	M105m
51	RF3212K	2	90Mt	MON	3.0%	.45*†	TTL	8	9†	0.0	5.0	12nΔ	3.0n	2.5n	60m†	1.1	0	75	1	B02232	FP21b
52	RF252D	2	30MtØ	MON	3.1%	.40*	TTL	10	9†	0.0	5.0	25nΔ	6.0n	4.0n	50m†	900m	0	75	1	B02107	M105ar
53	RF252K	2	30MtØ	MON	3.1%	.40*	TTL	10	9†	0.0	5.0	25nΔ	6.0n	4.0n	50m†	900m	0	75	1	B02107	FP21b
54	RF253D	2	30MtØ	MON	3.1%	.40*	TTL	10	5†	0.0	5.0	25nΔ	6.0n	4.0n	50m†	900m	0	75	1	B02107	M105ar
55	RF253K	2	30MtØ	MON	3.1%	.40*	TTL	10	5†	0.0	5.0	25nΔ	6.0n	4.0n	50m†	900m	0	75	1	B02107	FP21b
56	RF3200D	2	90Mt	MON	3.1%	.40*†	TTL	8	11†	0.0	5.0	12nΔ	3.0n	2.5n	50m†	1.1	-55	125	1	B02231	M105m
57	RF3200K	2	90Mt	MON	3.1%	.40*†	TTL	8	11†	0.0	5.0	12nΔ	3.0n	2.5n	50m†	1.1	-55	125	1	B02231	FP21b
58	RF3210D	2	90Mt	MON	3.1%	.40*†	TTL	8	11†	0.0	5.0	12nΔ	3.0n	2.5n	60m†	1.1	-55	125	1	B02232	M105m
59	RF3210K	2	90Mt	MON	3.1%	.40*†	TTL	8	11†	0.0	5.0	12nΔ	3.0n	2.5n	60m†	1.1	-55	125	1	B02232	FP21b
60	RF250D	2	30MtØ	MON	3.2%	.40*	TTL	10	11†	0.0	5.0	25nΔ	6.0n	4.0n	50m†	900m	-55	125	1	B02107	M105ar
61	RF250K	2	30MtØ	MON	3.2%	.40*	TTL	10	11†	0.0	5.0	25nΔ	6.0n	4.0n	50m†	900m	-55	125	1	B02107	FP21b
62	RF251D	2	30MtØ	MON	3.2%	.40*	TTL	10	6†	0.0	5.0	25nΔ	6.0n	4.0n	50m†	900m	-55	125	1	B02107	M105ar
63	RF251K	2	30MtØ	MON	3.2%	.40*	TTL	10	6†	0.0	5.0	25nΔ	6.0n	4.0n	50m†	900m	-55	125	1	B02107	FP21b
64	MC415F	2		MON	3.3	.26	TTL	10	12	0.0	5.0				40m†	900m	0	75	1	B02105	TO86
65	MC415L,P%	2		MON	3.3	.26	TTL	10	12	0.0	5.0				40m†	900m	0	75	1	B02105	TO116
66	MC416F	2		MON	3.3	.26	TTL	10	12	0.0	5.0				50m†	900m	0	75	1	B02106	TO86
67	MC416L,P%	2		MON	3.3	.26	TTL	10	12	0.0	5.0				50m†	900m	0	75	1	B02106	TO116
68	MC465F	2		MON	3.3	.26	TTL	10	6	0.0	5.0				40m†	900m	0	75	1	B02105	TO86
69	MC465L,P%	2		MON	3.3	.26	TTL	10	6	0.0	5.0				40m†	900m	0	75	1	B02105	TO116
70	MC466F	2		MON	3.3	.26	TTL	10	6	0.0	5.0				50m†	900m	0	75	1	B02106	TO86
71	MC466L,P%	2		MON	3.3	.26	TTL	10	6	0.0	5.0				50m†	900m	0	75	1	B02106	TO116
72	MC515F	2		MON	3.3	.26	TTL	10	15	0.0	5.0				40m†	900m	-55	125	1	B02105	TO86
73	MC516F	2		MON	3.3	.26	TTL	10	15	0.0	5.0				50m†	900m	-55	125	1	B02106	TO86
74	MC516L	2		MON	3.3	.26	TTL	10	15	0	8				50m†	900m	-55	125	1	B02106	TO116
75	MC565F	2		MON	3.3	.26	TTL	10	7	0.0	5.0				40m†	900m	-55	125	1	B02105	TO86
76	MC565L	2		MON	3.3	.26	TTL	10	7	0	8				40m†	900m	-55	125	1	B02105	TO116
77	MC566F	2		MON	3.3	.26	TTL	10	7	0.0	5.0				50m†	900m	-55	125	1	B02106	TO86
78	MC566L	2		MON	3.3	.26	TTL	10	7	0	8				50m†	900m	-55	125	1	B02106	TO116
79	SNF50J	2	20M	MON	3.3	.26	TTL	10	15	0.0	5.0	25nΔ	5.0n	8.0n	30m	900m	-55	125	1	B0274	M157b
80	SNF50W	2	20M	MON	3.3	.26	TTL	10	15	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	Δ004AF
81	SNF51J	2	20M	MON	3.3	.26	TTL	10	7	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	M157b
82	SNF51W	2	20M	MON	3.3	.26	TTL	10	7	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	Δ004AF
83	SNF52J	2	20M	MON	3.3	.26	TTL	10	12	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	M157b
84	SNF52W	2	20M	MON	3.3	.26	TTL	10	12	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	Δ004AF
85	SNF53J	2	20M	MON	3.3	.26	TTL	10	6	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	M157b
86	SNF53W	2	20M	MON	3.3	.26	TTL	10	6	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	Δ004AF
87	TRWF50#1	2	20M	MON	3.3	.26	TTL	10	8	0.0	5.0	25n	5.0n	8.0n	40m	900m	-55	125	1	B0274	M157
88	TRWF50#2	2	20M	MON	3.3	.26	TTL	10	8	0.0	5.0	25n	5.0n	8.0n	40m	900m	-55	125	1	B0274	M126
89♦	SNF100J	2	35M	MON	3.3	.26	TTL	4	15†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		M157b
90♦	SNF100W	2	35M	MON	3.3	.26	TTL	4	15†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
91♦	SNF101J	2	35M	MON	3.3	.26	TTL	4	7†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		M157b
92♦	SNF101W	2	35M	MON	3.3	.26	TTL	4	7†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
93♦	SNF102J	2	35M	MON	3.3	.26	TTL	4	12†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
94♦	SNF102W	2	35M	MON	3.3	.26	TTL	4	12†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
95♦	SNF103J	2	35M	MON	3.3	.26	TTL	4	6†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
96♦	SNF103W	2	35M	MON	3.3	.26	TTL	4	6†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
97♦	SNF110J	2	35M	MON	3.3	.26	TTL	5	15†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		M157b
98♦	SNF110W	2	35M	MON	3.3	.26	TTL	5	15†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
99♦	SNF111J	2	35M	MON	3.3	.26	TTL	5	7†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		M157b
100♦	SNF111W	2	35M	MON	3.3	.26	TTL	5	7†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
101♦	SNF112J	2	35M	MON	3.3	.26	TTL	5	12†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
102♦	SNF112W	2	35M	MON	3.3	.26	TTL	5	12†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
103♦	SNF113J	2	35M	MON	3.3	.26	TTL	5	6†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
104♦	SNF113W	2	35M	MON	3.3	.26	TTL	5	6†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
105	TRWF100#1	2	35M	MON	3.3	.26	TTL	4	15†	0.0	5.0	20n	1.0n	1.7n	50m	900m	-55	125	2		M157
106	TRWF100#2	2	35M	MON	3.3	.26	TTL	4	15†	0.0	5.0	20n	1.0n	1.7n	50m	900m	-55	125	2		M126
107	TRWF110#1	2	35M	MON	3.3	.26	TTL	5	15†	0.0	5.0	20n	1.0n	1.7n	50m	900m	-55	125	2		M157
108	TRWF110#2	2	35M	MON	3.3	.26	TTL	5	15†	0.0	5.0	20n	1.0n	1.7n	50m	900m	-55	125	2		M126
109♦	SNF120J	2	50M	MON	3.3	.26	TTL	4	15†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		M157b
110♦	SNF120W	2	50M	MON	3.3	.26	TTL	4	15†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	SNF121J	2	50M	MON	3.3	.26	TTL	4	7†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		M157b
2♦	SNF121W	2	50M	MON	3.3	.26	TTL	4	7†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
3♦	SNF122J	2	50M	MON	3.3	.26	TTL	4	12†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
4♦	SNF122W	2	50M	MON	3.3	.26	TTL	4	12†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
5♦	SNF123J	2	50M	MON	3.3	.26	TTL	4	6†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
6♦	SNF123W	2	50M	MON	3.3	.26	TTL	4	6†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
7♦	SNF130J	2	50M	MON	3.3	.26	TTL	5	15†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		M157b
8♦	SNF130W	2	50M	MON	3.3	.26	TTL	5	15†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
9♦	SNF131J	2	50M	MON	3.3	.26	TTL	5	7†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		M157b
10♦	SNF131W	2	50M	MON	3.3	.26	TTL	5	7†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
11♦	SNF132J	2	50M	MON	3.3	.26	TTL	5	12†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
12♦	SNF132W	2	50M	MON	3.3	.26	TTL	5	12†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
13♦	SNF133J	2	50M	MON	3.3	.26	TTL	5	6†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
14♦	SNF133W	2	50M	MON	3.3	.26	TTL	5	6†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
15	TRWF120#1	2	50M	MON	3.3	.26	TTL	4	15†	0.0	5.0	15n	1.0n	1.7n	50m	900m	-55	125	2		M157
16	TRWF120#2	2	50M	MON	3.3	.26	TTL	4	15†	0.0	5.0	15n	1.0n	1.7n	50m	900m	-55	125	2		M126
17	TRWF130#1	2	50M	MON	3.3	.26	TTL	5	15†	0.0	5.0	15n	1.0n	1.7n	50m	900m	-55	125	2		M157
18	TRWF130#2	2	50M	MON	3.3	.26	TTL	5	15†	0.0	5.0	15n	1.0n	1.7n	50m	900m	-55	125	2		M126
19	RF52D	2	20M†	MON	3.4	.20	TTL	6	12	0	5.0				50m†	1.1	0	75	1	B0242	M105m
20	RF52K	2	20M†	MON	3.4	.20	TTL	6	12	0	5.0				50m†	1.1	0	75	1	B0242	FP21b
21	RF53D	2	20M†	MON	3.4	.20	TTL	6	6	0	5.0				50m†	1.1	0	75	1	B0242	M105m
22	RF53K	2	20M†	MON	3.4	.20	TTL	6	6	0	5.0				50m†	1.1	0	75	1	B0242	FP21b
23	RF60D	2	20M†	MON	3.4	.20	TTL	8	15	0	5.0				55m†	1.1	-55	125	1	B0257	M105m
24	RF60K	2	20M†	MON	3.4	.20	TTL	8	15	0	5.0				55m†	1.1	-55	125	1	B0257	FP21b
25	RF61D	2	20M†	MON	3.4	.20	TTL	8	7	0	5.0				55m†	1.1	-55	125	1	B0257	M105m
26	RF61K	2	20M†	MON	3.4	.20	TTL	8	7	0.0	5.0				55m†	1.1	-55	125	1	B0257	FP21b
27	RF62D	2	20M†	MON	3.4	.20	TTL	8	12	0	5.0				55m†	1.1	0	75	1	B0257	M105m
28	RF62K	2	20M†	MON	3.4	.20	TTL	8	12	0	5.0				55m†	1.1	0	75	1	B0257	FP21b
29	RF63D	2	20M†	MON	3.4	.20	TTL	8	6	0	5.0				55m†	1.1	0	75	1	B0257	M105m
30	RF63K	2	20M†	MON	3.4	.20	TTL	8	6	0	5.0				55m†	1.1	0	75	1	B0257	FP21b
31	RF251P	2	30M†	MON	3.4	.20	TTL	9	6	0	5.0				50m†	1.1	-55	125	1		M105k
32	RF260D	2	30M†	MON	3.4	.20	TTL	8	11	0	5.0				55m†	1.1	-55	125	1	B02109	M105m
33	RF260K	2	30M†	MON	3.4	.20	TTL	8	11	0	5.0				55m†	1.1	-55	125	1	B02109	FP21b
34	RF261D	2	30M†	MON	3.4	.20	TTL	8	6	0	5				55m†	1.1		125	1	B02109	M105m
35	RF261K	2	30M†	MON	3.4	.20	TTL	8	6	0	5				55m†	1.1		125	1	B02109	FP21b
36	RF262D	2	30M†	MON	3.4	.20	TTL	8	9	0	5				55m†	1.1	0	75	1	B02109	M105m
37	RF262K	2	30M†	MON	3.4	.20	TTL	8	9	0	5				55m†	1.1	0	75	1	B02109	FP21b
38	RF263D	2	30M†	MON	3.4	.20	TTL	8	5	0	5				55m†	1.1	0	75	1	B02109	M105m
39	RF263K	2	30M†	MON	3.4	.20	TTL	8	5	0	5				55m†	1.1	0	75	1	B02109	FP21b
40	RF100D	2	35M†	MON	3.4	.20	TTL	3	11	0	5				110m†	1.0	-55	125	2	B038r	M105m
41	RF100K	2	35M†	MON	3.4	.20	TTL	3	11	0	5				110m†	1.0	-55	125	2	B038r	FP21b
42	RF101D	2	35M†	MON	3.4	.20	TTL	3	6	0	5				110m†	1.0	-55	125	2	B038r	M105m
43	RF101K	2	35M†	MON	3.4	.20	TTL	3	6	0	5				110m†	1.0	-55	125	2	B038r	FP21b
44	RF102D	2	35M†	MON	3.4	.20	TTL	3	9	0	5				110m†	1.0	0	75	2	B038r	M105m
45	RF102K	2	35M†	MON	3.4	.20	TTL	3	9	0	5				110m†	1.0	0	75	2	B038r	FP21b
46	RF103D	2	35M†	MON	3.4	.20	TTL	3	5	0	5				110m†	1.0	0	75	2	B038r	M105m
47	RF103K	2	35M†	MON	3.4	.20	TTL	3	5	0	5				110m†	1.0	0	75	2	B038r	FP21b
48	RF110D	2	35M†	MON	3.4	.20	TTL	3	11	0	5				110m†	1.0	-55	125	2	B038s	M105m
49	RF110K	2	35M†	MON	3.4	.20	TTL	3	11	0	5				110m†	1.0	-55	125	2	B038s	FP21b
50	RF111D	2	35M†	MON	3.4	.20	TTL	3	6	0	5				110m†	1.0	-55	125	2	B038s	M105m
51	RF111K	2	35M†	MON	3.4	.20	TTL	3	6	0	5				110m†	1.0	-55	125	2	B038s	FP21b
52	RF112D	2	35M†	MON	3.4	.20	TTL	3	9	0	5				110m†	1.0	0	75	2	B038s	M105m
53	RF112K	2	35M†	MON	3.4	.20	TTL	3	9	0	5				110m†	1.0	0	75	2	B038s	FP21b
54	RF113D	2	35M†	MON	3.4	.20	TTL	3	5	0	5				110m†	1.0	0	75	2	B038s	M105m
55	RF113K	2	35M†	MON	3.4	.20	TTL	3	5	0	5				110m†	1.0	0	75	2	B038s	FP21b
56	RF400P	2	35M†	MON	3.4	.20	TTL	3	11	0.0	5.0				110m†	1.0	-55	125	2		M105k
57	RF120D	2	50M†	MON	3.4	.20	TTL	3	11	0	5				110m†	1.0	-55	125	2	B038r	M105m
58	RF120K	2	50M†	MON	3.4	.20	TTL	3	11	0	5				110m†	1.0	-55	125	2	B038r	FP21b
59	RF121D	2	50M†	MON	3.4	.20	TTL	3	6	0	5				110m†	1.0	-55	125	2	B038r	M105m
60	RF121K	2	50M†	MON	3.4	.20	TTL	3	6	0	5				110m†	1.0	-55	125	2	B038r	FP21b
61	RF122D	2	50M†	MON	3.4	.20	TTL	3	9	0	5				110m†	1.0	0	75	2	B038r	M105m
62	RF122K	2	50M†	MON	3.4	.20	TTL	3	9	0	5				110m†	1.0	0	75	2	B038r	FP21b
63	RF123D	2	50M†	MON	3.4	.20	TTL	3	5	0	5				110m†	1.0	0	75	2	B038r	M105m
64	RF123K	2	50M†	MON	3.4	.20	TTL	3	5	0	5				110m†	1.0	0	75	2	B038r	FP21b
65	RF130D	2	50M†	MON	3.4	.20	TTL	3	11	0	5				110m†	1.0	-55	125	2	B038s	M105m
66	RF130K	2	50M†	MON	3.4	.20	TTL	3	11	0	5				110m†	1.0	-55	125	2	B038s	FP21b
67	RF131D	2	50M†	MON	3.4	.20	TTL	3	6	0	5				110m†	1.0	-55	125	2	B038s	M105m
68	RF131K	2	50M†	MON	3.4	.20	TTL	3	6	0	5				110m†	1.0	-55	125	2	B038s	FP21b
69	RF132D	2	50M†	MON	3.4	.20	TTL	3	9	0	5				110m†	1.0	0	75	2	B038s	M105m
70	RF132K	2	50M†	MON	3.4	.20	TTL	3	9	0	5				110m†	1.0	0	75	2	B038s	FP21b
71	RF133D	2	50M†	MON	3.4	.20	TTL	3	5	0	5				110m†	1.0	0	75	2	B038s	M105m
72	RF133K	2	50M†	MON	3.4	.20	TTL	3	5	0	5				110m†	1.0	0	75	2	B038s	FP21b
73	RF200D	2	50M†	MON	3.4	.20	TTL	6	11	0	5				55m†	1.0	-55	125	1	B02105	M105m
74	RF200K	2	50M†	MON	3.4	.20	TTL	6	11	0	5				55m†	1.0	-55	125	1	B02105	FP21b
75	RF201D	2	50M†	MON	3.4	.20	TTL	6	6	0	5				55m†	1.0	-55	125	1	B02105	M105m
76	RF201K	2	50M†	MON	3.4	.20	TTL	6	6	0	5				55m†	1.0	-55	125	1	B02105	FP21b
77	RF202D	2	50M†	MON	3.4	.20	TTL	6	9	0	5				55m†	1.0	0	75	1	B02105	M105m
78	RF202K	2	50M†	MON	3.4	.20	TTL	6	9	0	5				55m†	1.0	0	75	1	B02105	FP21b
79	RF203D	2	50M†	MON	3.4	.20	TTL	6	5	0	5				55m†	1.0	0	75	1	B02105	M105m
80	RF203K	2	50M†	MON	3.4	.20	TTL	6	5	0	5				55m†	1.0	0	75	1	B02105	FP21b
81	RF210D	2	50M†	MON	3.4	.20	TTL	8	11	0	5				55m†	1.0	-55	125	1	B02106	M105m
82	RF210K	2	50M†	MON	3.4	.20	TTL	8	11	0	5				55m†	1.0	-55	125	1	B02106	FP21b
83	RF211D	2	50M†	MON	3.4	.20	TTL	8	6	0	5				55m†	1.0	-55	125	1	B02106	M105m
84	RF211K	2	50M†	MON	3.4	.20	TTL	8	6	0	5				55m†	1.0	-55	125	1	B02106	FP21b
85	RF212D	2	50M†	MON	3.4	.20	TTL	8	9	0	5				55m†	1.0	0	75	1	B02106	M105m
86	RF212K	2	50M†	MON	3.4	.20	TTL	8	9	0	5				55m†	1.0	0	75	1	B02106	FP21b
87	RF213D	2	50M†	MON	3.4	.20	TTL	8	5	0	5				55m†	1.0	0	75	1	B02106	M105m
88	RF213K	2	50M†	MON	3.4	.20	TTL	8	5	0	5				55m†	1.0	0	75	1	B02106	FP21b
89#	ZN5470E	2		MON	3.5	.20	TTL	9	10	0.0	5.0	13n			10m	1.0	-55	125	1		M126
90#	ZN5470F	2		MON	3.5	.20	TTL	9	10	0.0	5.0	13n			10m	1.0	-55	125	1		TO86
91#	ZN5472E	2		MON	3.5	.20	TTL	9	10	0.0	5.0	13n			10m	1.0	-55	125	1		M126
92#	ZN5472F	2		MON	3.5	.20	TTL	9	10	0.0	5.0	13n			10m	1.0	-55	125	1		TO86
93#	ZN5473E	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	-55	125	2		M126
94#	ZN5473F	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	-55	125	2		TO86
95#	ZN5476E	2		MON	3.5	.20	TTL	5	10	0.0	5.0	13n			10m	1.0	-55	125	2		M126
96#	ZN7470E	2		MON	3.5	.20	TTL	9	10	0.0	5.0	13n			10m	1.0	0	70	1		M126
97#	ZN7470F	2		MON	3.5	.20	TTL	9	10	0.0	5.0	13n			10m	1.0	0	70	1		TO86
98#	ZN7472E	2		MON	3.5	.20	TTL	9	10	0.0	5.0	13n			10m	1.0	0	70	1		M126
99#	ZN7472F	2		MON	3.5	.20	TTL	9	10	0.0	5.0	13n			10m	1.0	0	70	1		TO86
100#	ZN7473E	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	0	70	2		M126
101#	ZN7473F	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	0	70	2		TO86
102#	ZN7476E	2		MON	3.5	.20	TTL	5	10	0.0	5.0	13n			10m	1.0	0	70	2		M126
103#	ZN54107E	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	-55	125	2		M126
104#	ZN54107F	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	-55	125	2		TO86
105#	ZN74107E	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	0	70	2		M126
106#	ZN74107F	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	0	70	2		TO86
107	MC2028F	2	35M†Ø	MON	3.5	.20	TTL	10	9	0.0	7.0	20nΔ			60m†	1.0	0	75	1	B02169	TO86
108	MC2028L,P%	2	35M†Ø	MON	3.5	.20	TTL	10	9	0.0	7.0	20nΔ			60m†	1.0	0	75	1	B02169	TO116
109	MC2078F	2	35M†Ø	MON	3.5	.20	TTL	10	5	0.0	7.0	20nΔ			60m†	1.0	0	75	1	B02169	TO86
110	MC2078L,P%	2	35M†Ø	MON	3.5	.20	TTL	10	5	0.0	7.0	20nΔ			60m†	1.0	0	75	1	B02169	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC2128F	2	35M†Ø	MON	3.5	.20	TTL	10	11	0.0	8.0	20nΔ			60m†	1.0	-55	125	1	B02169	TO86
2	MC2128L	2	35M†Ø	MON	3.5	.20	TTL	10	11	0.0	8.0	20nΔ			60m†	1.0	-55	125	1	B02169	TO116
3	MC2178F	2	35M†Ø	MON	3.5	.20	TTL	10	11	0.0	8.0	20nΔ			60m†	1.0	-55	125	1	B02169	TO86
4	MC2178L	2	35M†Ø	MON	3.5	.20	TTL	10	11	0.0	8.0	20nΔ			60m†	1.0	-55	125	1	B02169	TO116
5	TF100F	2	35M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		FP18
6	TF100J	2	35M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		TO116
7	TF101F	2	35M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		FP18
8	TF101J	2	35M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		TO116
9	TF102F	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		FP18
10	TF102J	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		TO116
11	TF103F	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		FP18
12	TF103J	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		TO116
13	TF110F	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		FP18
14	TF110J	2	35M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		TO116
15	TF111F	2	35M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		FP18
16	TF111J	2	35M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		TO116
17	TF112F	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		FP18
18	TF112J	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		TO116
19	TF113F	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		FP18
20	TF113J	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		TO116
21	TF130F	2	50M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		FP18
22	TF130J	2	50M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		TO116
23	TF131F	2	50M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		FP18
24	TF131J	2	50M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		TO116
25	TF132F	2	50M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		FP18
26	TF132J	2	50M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0m†	1.7n†	50m	1.0 Δ	0	75	2		TO116
27	TF133F	2	50M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		TO116
28	TF133J	2	50M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		TO116
29♦	MFC8050	2	3.0 †%	MON	3.5%	.50†*	TTL	4		0.0	4.0		250n†	60n†	1.0		-10	75	1	B02234	M238
30	T100	2	15M	PCB	5.0	0.0	TTL	10	10	0.0	5.0	15n			700m%	1.0			4	B02209	CBØ
31	T101	2	15M	PCB	5.0	0.0	TTL	10	10	0.0	5.0	15n			740m%	1.0			4	B02209	CBØ
32	T103Ø	2	15M	PCB	5.0	0.0	TTL	7	10	0.0	5.0	17n			1.1 %	1.0			3	B02210	CBØ
33	MM483	2	2.0M†%	MOS	-8.0%	-1.0*†	TTL	5	10	10	0	500nΔ					-55	125	1	B038w	TO100
34	MM583	2	2.0M†%	MOS	-8.0%	-1.0*†	TTL	5	10	10	0	500nΔ					0	70	1	B038w	TO100
35	SW706-1P	2,3	15M†	MON	1.8%	1.2*	DTL	5	10	0.0	5.0	50n%			80m†	1.0	-55	125	2	B02111	TO116
36	SW706-2M	2,3	15M†	MON	1.8%	1.2*	DTL	5	12	0.0	5.0	50n%			80m†	1.0	0	75	2	B02111	M105n
37	SW706-2P	2,3	15M†	MON	1.8%	1.2*	DTL	5	12	0.0	5.0	50n%			80m†	1.0	0	75	2	B02111	TO116
38	SW709-1P	2,3	18M†	MON	1.8%	1.2*	DTL	5	9	0.0	5.0	40n%			100m†	1.0	-55	125	2	B02111	TO116
39	SW709-2M	2,3	18M†	MON	1.8%	1.2*	DTL	5	11	0.0	5.0	40n%			100m†	1.0	0	75	2	B02111	M105n
40	SW709-2P	2,3	18M†	MON	1.8%	1.2*	DTL	5	11	0.0	5.0	40n%			100m†	1.0	0	75	2	B02111	TO116
41	MIC950-5B	2,3	20M	MON	1.9%	.78*	DTL	4	10	0.0	5.0	35n			46m		0	75	1	B03120	FP32
42	MIC950-5C	2,3	20M	MON	1.9%	.78*	DTL	4	10	0.0	5.0	35n			46m		0	75	1	B03120	CN38
43♦	MIC950-5D	2,3	20M	MON	1.9%	.78*	DTL	4	10	0.0	5.0	35n			46m		0	75	1	B03120	M313b
44	MIC950-1B	2,3	20M	MON	1.9%	.80*	DTL	4	8	0.0	5.5	30n			43m		-55	125	1	B03120	FP33
45	MIC950-1C	2,3	20M	MON	1.9%	.80*	DTL	4	8	0.0	5.5	30n			43m		-55	125	1	B03120	CN38
46♦	MIC950-1D	2,3	20M	MON	1.9%	.80*	DTL	4	8	0.0	5.5	30n			43m		-55	125	1	B03120	M313b
47	SN15931N	2,3	10MΔ	MON	1.9%	.95*	DTL	7	7	0.0	5.0	75nΔ			20m†		-55	125	1	B0287	M126a
48	MIC945-1B	2,3		MON	1.9%	1.1*	DTL	5	10	0	5.5	75n			70m	350m*	-55	125	1	B03132	FP33
49	MIC945-1C	2,3		MON	1.9%	1.1*	DTL	5	10	0	5.5	75n			70m	350m*	-55	125	1	B03132b	CN38
50♦	MIC945-1D	2,3		MON	1.9%	1.1*	DTL	5	10	0	5.5	75n			70m	350m*	-55	125	1	B03132	M313b
51	MIC945-5B	2,3		MON	1.9%	1.1*	DTL	5	12	0	5	75n			75m	350m*	0	75	1	B03132	FP32
52	MIC945-5C	2,3		MON	1.9%	1.1*	DTL	5	12	0	5	75n			75m	350m*	0	75	1	B03132b	CN38
53♦	MIC945-5D	2,3		MON	1.9%	1.1*	DTL	5	12	0	5	75n			75m	350m*	0	75	1	B03132	M313b
54#	MIC945R3D	2,3		MON	1.9%	1.1*	DTL	7	10	0.0	5.0	75nΔ			70m§	650m	-40	85	1	B03132	M294b
55#	MIC945R6D	2,3		MON	1.9%	1.1*	DTL	7	10	0.0	5.0	75nΔ			70m§	650m	-20	75	1	B03132	M294b
56#	MIC945R7D	2,3		MON	1.9%	1.1*	DTL	7	10	0.0	5.0	75nΔ			75m§	650m	0	75	1	B03132	M294b
57	MIC948-1B	2,3		MON	1.9%	1.1*	DTL	5	9	0	5.5	65n			81m	350m*	-55	125	1	B03132a	FP33
58	MIC948-1C	2,3		MON	1.9%	1.1*	DTL	5	9	0	5.5	65n			81m	350m*	-55	125	1	B03132c	CN38
59♦	MIC948-1D	2,3		MON	1.9%	1.1*	DTL	5	9	0	5.5	65n			81m	350m*	-55	125	1	B03132a	M313b
60	MIC948-5B	2,3		MON	1.9%	1.1*	DTL	5	11	0.0	5.0	65n			87m	350m*	0	75	1	B03132a	FP32
61	MIC948-5C	2,3		MON	1.9%	1.1*	DTL	5	11	0.0	5.0	65n			87m	350m*	0	75	1	B03132c	CN38
62♦	MIC948-5D	2,3		MON	1.9%	1.1*	DTL	5	11	0.0	5.0	65n			87m	350m*	0	75	1	B03132a	M313b
63	SN15945N	2,3	10MΔ	MON	1.9%	1.1*	DTL	7	10	0.0	5.0	75nΔ			20m†		-55	125	1	B02103	M126a
64	SN15948N	2,3	10MΔ	MON	1.9%	1.1*	DTL	7	9	0.0	5.0	75nΔ			20m†		-55	125	1	B02103a	M126a
65	ITT5470J	2,3	35MΔ%		2.0%	.80*	TTL	9	10	0.0	5.0	150nt△			10mt		-55	125	1	B0623	M157
66	ITT7470J	2,3	35MΔ%		2.0%	.80*	TTL	9	10	0.0	5.0	150nt△			10mt		0	70	1	B0623	M157
67	SP620A	2,6	5.0M†%	MON			DTL	5	8	0.0	4.5				135m†	2.0	0	75	1	B0216a	M105ae
68♦	RF50K	2,6	20M†	MON	3.4	.20	TTL	6	15	0	5				50m†	1.1	-55	125	1	B0242	FP21b
69	DM75L12F	2,8	10MΔ%	MON	2.0%	.70*	TTL	10		0.0	5.0	120nΔ			22m%		-55	125	1	B02287	FP88b
70	DM75L12J	2,8	10MΔ%	MON	2.0%	.70*	TTL	10		0.0	5.0	120nΔ			22m%		-55	125	1	B02287	M200r
71	DM75L12N	2,8	10MΔ%	MON	2.0%	.70*	TTL	10		0.0	5.0	120nΔ			22m%		-55	125	1	B02287	M345
72	DM85L12F	2,8	10MΔ%	MON	2.0%	.70*	TTL	10		0.0	5.0	120nΔ			22m%		0	70	1	B02287	FP88b
73	DM85L12J	2,8	10MΔ%	MON	2.0%	.70*	TTL	10		0.0	5.0	120nΔ			22m%		0	70	1	B02287	M200r
74	DM85L12N	2,8	10MΔ%	MON	2.0%	.70*	TTL	10		0.0	5.0	120nΔ			22m%		0	70	1	B02287	M345
75	DM7512J	2,8	28MΔ%	MON	2.0%	.80*	TTL	10		0.0	5.0	40n			285m%		-55	125	1	B0863a	M200r
76	DM7512N	2,8	28MΔ%	MON	2.0%	.80*	TTL	10		0.0	5.0	40n			285m%		-55	125	1	B0863a	M345
77	DM7512W	2,8	28MΔ%	MON	2.0%	.80*	TTL	10		0.0	5.0	40n			285m%		-55	125	1	B0863a	FP88a
78	DM8512J	2,8	28MΔ%	MON	2.0%	.80*	TTL	10		0.0	5.0	40n			285m%		0	70	1	B0863a	M200r
79	DM8512N	2,8	28MΔ%	MON	2.0%	.80*	TTL	10		0.0	5.0	40n			285m%		0	70	1	B0863a	M345
80	DM8512W	2,8	28MΔ%	MON	2.0%	.80*	TTL	10		0.0	5.0	40n			285m%		0	70	1	B0863a	FP88a
81	HEPC2503P-RT	2A,C	4.0M†	MON			RTL	4†	80	0.0	3.6	15n			91m				4		TO116
82	MC787P	2AC	4.0M†	MON	.85%	.46*	RTL	4†	20	0.0	3.6				138m†		15	55	4	B02158	TO116
83	MC887P	2AC	4.0M†	MON	.88%	.50*	RTL	4†	20	0.0	3.6				138m†		0	75	4	B02158	TO116
84	MC779P	2BC	4.0M†	MON	.80%	.40*	RTL	4†	20	0.0	3.6				141m†		15	55	4	B02158	TO116
85	MC879P	2BC	4.0M†	MON	.80%	.46*	RTL	4†	20	0.0	3.6				141m†		0	75	4	B02158	TO116
86	MC358AF	2F	30M	MON	-.75	-1.6	ECT	6	15	5.2	0	7.5n	8.0n	8.0n	87m		0	75	1	B0231	TO91
87	MC358AG	2F	30M	MON	-.75	-1.6	ECT	6	15	5.2	0	7.5n	8.0n	8.0n	87m		0	75	1	B0231	CN9
88#	MIC64104J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120m		-40	85	1	B02167	TO116
89#	MIC64105J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m		-40	85	1	B02168	TO116
90	SN54104J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120mt		-55	125	1	B02167	M157
91	SN54104W	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120m%		-55	125	1	B02167	TO84
92	SN54105J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m%		-55	125	1	B02172	M157
93	SN54105W	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m%		-55	125	1	B02172	TO84
94	SN74104J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120m%		0	70	1	B02167	M157
95	SN74104N	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120m%		0	70	1	B02167	M126a
96	SN74104W	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120m%		0	70	1	B02167	TO84
97	SN74105J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m%		0	70	1	B02172	M157
98	SN74105N	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m%		0	70	1	B02172	M126a
99	SN74105W	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m%		0	70	1	B02172	TO84
100	SW74104J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120m		0	70	1	B02167	TO116
101	SW74104N	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120m		0	70	1	B02167	M105n
102	SW74105J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m		0	70	1	B02172	TO116
103	SW74105N	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m		0	70	1	B02172	M105n
104	510T	2F	20M	PCB	2.0%	.45*	TTL	9	10	0.0	7.0	25nΔ			400m§		0	70	4	B0294c	CB62
105	514T	2F	35M	PCB	2.0%	.45*	TTL	9	10	0.0	7.0	27nΔ			520m§		0	70	4	B0294c	CB62
106	SN54L72J	2F	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	200nΔ				1.0 Δ	-55	125	1	B0288	M157b
107	SN54L72T	2F	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0m†	1.0 Δ	-55	125	1	B0288	FP52e
108	SN54L73J	2F	3.0M%Δ	MON	2.0%	.70*	TTL	4	20	0.0	5.0	200nΔ				1.0 Δ	-55	125	2	B02130	M157b
109	SN54L73T	2F	3.0M%Δ	MON	2.0%	.70*	TTL	8	10	0.0	5.0	48n%			8.0m†	1.0 Δ	-55	125	2	B02130	FP52e
110	SN54L78J	2F	3.0M%Δ	MON	2.0%	.70*	TTL	5	20	0.0	5.0	200nΔ				1.0 Δ	-55	125	2	B02154	M157b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN54L78T	2F	3.0M%Δ	MON	2.0%	.70*	TTL	5	20	0.0	5.0	200nΔ				1.0 Δ	-55	125	2	B02154	FP52e
2	SN74L72J	2F	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	200nΔ				1.0 Δ	0	70	1	B0288	M157b
3	SN74L72N	2F	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	200nΔ				1.0 Δ	0	70	1	B0288	M126e
4	SN74L73J	2F	3.0M%Δ	MON	2.0%	.70*	TTL	4	20	0.0	5.0	200nΔ				1.0 Δ	0	70	2	B02130	M157b
5	SN74L73N	2F	3.0M%Δ	MON	2.0%	.70*	TTL	4	20	0.0	5.0	200nΔ				1.0 Δ	0	70	2	B02130	M126e
6	DM54H71J	2F		MON	2.0%	.80*	TTL	10	10	0.0	5.0	27nΔ			150m%		-55	125	1	B0297	M294b
7	DM54H71N	2F		MON	2.0%	.80*	TTL	10	10	0.0	5.0	27nΔ			150m%		-55	125	1	B0297	M344
8	DM74H71J	2F		MON	2.0%	.80*	TTL	10	10	0.0	5.0	27nΔ			150m%		0	70	1	B0297	M294b
9	DM74H71N	2F		MON	2.0%	.80*	TTL	10	10	0.0	5.0	27nΔ			150m%		0	70	1	B0297	M344
10♦#	MIC54104J	2F		MON	2.0%	.80*	TTL	10	10	0.0	5.0	25nΔ			75mt		-55	125	1	B02167	TO116
11♦#	MIC54105J	2F		MON	2.0%	.80*	TTL	10	10	0.0	5.0	25nΔ			85mt		-55	125	1	B02168	TO116
12♦#	MIC74104J	2F		MON	2.0%	.80*	TTL	10	10	0.0	5.0	25nΔ			75mt		0	75	1	B02167	TO116
13♦#	MIC74104N	2F		MON	2.0%	.80*	TTL	10	10	0.0	5.0	25nΔ			75mt		0	75	1	B02167	M126x
14♦#	MIC74105J	2F		MON	2.0%	.80*	TTL	10	10	0.0	5.0	25nΔ			85mt		0	75	1	B02168	TO116
15♦#	MIC74105N	2F		MON	2.0%	.80*	TTL	10	10	0.0	5.0	25nΔ			85mt		0	75	1	B02168	M126x
16#	M53272P	2F	15M%	MON	2.0%	.80*	TTL	9	20	0.0	7.0	30n%			40mt	1.0 Δ	0	75	1	B0288	M105j
17	NC7472N	2F	15M%	MON	2.0%	.80*	TTL	9	20	0	7	50nΔ			40mt	1.0	0	70	1		TO116
18#	SFC472E	2F	15M%	MON	2.0%	.80*	TTL	9	10	0	7	50nΔ			40mt	400m*	0	70	1	B0288	TO116
19#	SFC473E	2F	15M%	MON	2.0%	.80*	TTL	4	10	0.0	7.0	50nΔ			40mΔ	400m*	0	70	2	B0291	TO116
20	SN5472N	2F	15M%	MON	2.0%	.80*	TTL	9	10	0	5.5	30n%			40mt	1.0	-55	125	1	B0288	M75a
21	SN5473N	2F	15M%	MON	2.0%	.80*	TTL	4	10	0.0	5.5	30n%			40mΔ	1.0	-55	125	2	B0291	M75a
22#	SN6472N	2F	15M%	MON	2.0%	.80*	TTL	9	20	0.0	7.0	50nΔ			40mt	1.0	-40	85	1	B0288	M75a
23	DM5470J	2F	20MΔØ	MON	2.0%	.80*	TTL	9		0.0	5.0	50nΔ			130m%		-55	125	1	B022	M294b
24	DM5470N	2F	20MΔØ	MON	2.0%	.80*	TTL	9		0.0	5.0	50nΔ			130m%		-55	125	1	B022	M344
25	DM5470W	2F	20MΔØ	MON	2.0%	.80*	TTL	9		0.0	5.0	50nΔ			130m%		-55	125	1	B022	FP97a
26	DM7470J	2F	20MΔØ	MON	2.0%	.80*	TTL	9		0.0	5.0	50nΔ			130m%		0	70	1	B022	M294b
27	DM7470N	2F	20MΔØ	MON	2.0%	.80*	TTL	9		0.0	5.0	50nΔ			130m%		0	70	1	B022	M344
28#	SFC472EM	2F	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50mt	1.0 Δ	-55	125	1	B0288	TO116
29#	SFC472ET	2F	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50mt	1.0 Δ	-25	85	1	B0288	TO116
30	SN5472J	2F	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50mt	1.0 Δ	-55	125	1	B0288	M157b
31	SN5472W	2F	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50mt	1.0 Δ	-55	125	1	B0288	Δ004AA
32	SN7472J	2F	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50mt	1.0 Δ	0	70	1	B0288	M157b
33	SN7472N	2F	20MΔ%	MON	2.0%	.80*	TTL	9	20	0	7	50nΔ			50mt	1.0	0	70	1	B0288	M126e
34#	T7472B1	2F	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			40mt	1.0 Δ	0	70	1	B0288	M126u
35#	T7472D1	2F	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			100m§	1.0 Δ	0	70	1	B0288	M294
36#	T7472D2	2F	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			100m§	1.0 Δ	-55	125	1	B0288	M294
37#	M5372P	2F	23M*	MON	2.0%	.80*	TTL	9	20	0.0	7.0	25n%			40mt	1.0 Δ	0	75	1	B0288	M105j
38#	FLJ341-74110	2F	25M%Δ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	30nΔ			170m§	1.0 Δ	0	70	1	B0288	M126p
39#	FLJ345-84110	2F	25M%Δ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	30nΔ			170m§	1.0 Δ	-25	85	1	B0288	M126p
40	DM5472J	2F	27Mt%	MON	2.0%	.80*	TTL	9		0.0	5.0	45nΔ			85m%		-55	125	1	B0295	M294b
41	DM5472N	2F	27Mt%	MON	2.0%	.80*	TTL	9		0.0	5.0	45nΔ			85m%		-55	125	1	B0295	M344
42	DM5472W	2F	27Mt%	MON	2.0%	.80*	TTL	9		0.0	5.0	45nΔ			85m%		-55	125	1	B0295	FP97a
43	DM7472J	2F	27Mt%	MON	2.0%	.80*	TTL	9		0.0	5.0	45nΔ			85m%		0	70	1	B0295	M294b
44	DM7472N	2F	27Mt%	MON	2.0%	.80*	TTL	9		0.0	5.0	45nΔ			85m%		0	70	1	B0295	M344
45#	M5375P	2F	28M*	MON	2.0%	.80*	TTL	9	20	0.0	7.0	30n%			70mt	1.0 Δ	0	75	1	B0273	M105j
46#	M53270P	2F	35M%	MON	2.0%	.80*	TTL	9	20	0.0	7.0	22n%			65mt	1.0 Δ	0	75	1	B022	M105j
47#	MIC5470J	2F	35MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			75mt	400m	-55	125	1	B0623	TO116
48#	MIC6470J	2F	35MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			75mt	400m	-40	85	1	B0623	TO116
49#	MIC7470J	2F	35MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			75mt	400m	0	75	1	B0623	TO116
50♦#	MIC7470N	2F	35MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			75mt	400m	0	75	1	B0623	M126x
51	NC7470N	2F	35M%	MON	2.0%	.80*	TTL	9	20	0.0	7.0	50nΔ			70m	1.0	0	70	1	B022	M126
52	SN5470J	2F	35M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			70mt	1.0 Δ	-55	125	1	B022	M157b
53	SN5470N	2F	35M%	MON	2.0%	.80*	TTL	9	20	0	5.5	50nΔ			70mt	1.0	-55	125	1	B022	M75a
54	SN5470W	2F	35M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			70mt	1.0 Δ	-55	125	1	B022	Δ004AA
55#	SN6470N	2F	35M%	MON	2.0%	.80*	TTL	9	20	0.0	7.0	50nΔ			70m	1.0	-40	85	1	B022	M75a
56	SN7470J	2F	35M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			70mt	1.0 Δ	0	70	1	B022	M157b
57	SN7470N	2F	35M%	MON	2.0%	.80*	TTL	9	20	0	7	50nΔ			70m	1.0	0	70	1	B022	M126e
58	MC3054F	2F	30M%	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	20n			95mt	700m	0	75	1	B0297	TO86
59	MC3054L,P%	2F	30M%	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	20n%			95mt	700m	0	75	1	B0297	TO116
60	MC3055F	2F	30M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	10n%			80mt	700m	0	75	1	B0295	TO86
61	MC3055L,P%	2F	30M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	10n%			80mt	700m	0	75	1	B0295	TO116
62	MC3154F	2F	30M%	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	20n			95mt	700m	-55	125	1	B0297	TO86
63	MC3154L	2F	30M%	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	20n%			95mt	700m	-55	125	1	B0297	TO116
64	MC3155F	2F	30M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	10n%			80mt	700m	-55	125	1	B0295	TO86
65	MC3155L	2F	30M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	10n%			80mt	700m	-55	125	1	B0295	TO116
66	MC3150F	2F	40Mt Ø	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	14nΔ			80mt	700m	-55	125	1	B02170	TO86
67	MC3150L	2F	40Mt Ø	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	14nΔ			80mt	700m	-55	125	1	B02170	TO116
68	MC3152F	2F	40Mt Ø	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	20nΔ			75mt	700m	-55	125	1	B02172	TO86
69	MC3152L	2F	40Mt Ø	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	20nΔ			75mt	700m	-55	125	1	B02172	TO116
70	MC3151F	2F	50Mt Ø	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	14nΔ			50mt	700m	-55	125	1	B02227	TO86
71	MC3151L	2F	50Mt Ø	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	14nΔ			50mt	700m	-55	125	1	B02227	TO116
72	MC3050F	2F	40MØ	MON	2.5%	.40*†	TTL	10	10	0.0	5.0	14nΔ			80mt	700m	0	75	1	B02170	TO86
73	MC3050L,P%	2F	40MØ	MON	2.5%	.40*†	TTL	10	10	0.0	5.0	14nΔ			80mt	700m	0	75	1	B02170	TO116
74	MC3052F	2F	40Mt Ø	MON	2.5%	.40*†	TTL	10	10	0.0	5.0	20nΔ			75mt	700m	0	75	1	B02172	TO86
75	MC3052L,P%	2F	40Mt Ø	MON	2.5%	.40*†	TTL	10	10	0.0	5.0	20nΔ			75mt	700m	0	75	1	B02172	TO116
76	MC3051F	2F	50Mt Ø	MON	2.5%	.40*†	TTL	10	10	0.0	5.0	14nΔ			50mt	700m	0	75	1	B02227	TO86
77	MC3051L,P%	2F	50Mt Ø	MON	2.5%	.40*†	TTL	10	10	0.0	5.0	14nΔ			50mt	700m	0	75	1	B02227	TO116
78	MC2125F	2F	70M%	MON	2.8	.45	TTL	10	11	0.0	5.0	15n	4.0n	2.5n	50mt		-55	125	1	B02193	TO86
79	MC2125L	2F	70M%	MON	2.8	.45	TTL	10	11	0.0	5.0	15n	4.0n	2.5n	50mt		-55	125	1	B02193	TO116
80	MC2126F	2F	70M%	MON	2.8	.45	TTL	10	11	0.0	5.0	15n	4.0n	2.5n	60mt		-55	125	1	B02194	TO86
81	MC2126L	2F	70M%	MON	2.8	.45	TTL	10	11	0.0	5.0	15n	4.0n	2.5n	60mt		-55	125	1	B02194	TO116
82	MC2175F	2F	70M%	MON	2.8	.45	TTL	10	6	0.0	5.0	15n	4.0n	2.5n	50mt		-55	125	1	B02193	TO86
83	MC2175L	2F	70M%	MON	2.8	.45	TTL	10	6	0.0	5.0	15n	4.0n	2.5n	50mt		-55	125	1	B02193	TO116
84	MC2176F	2F	70M%	MON	2.8	.45	TTL	10	6	0.0	5.0	15n	4.0n	2.5n	60mt		-55	125	1	B02194	TO86
85	MC2176L	2F	70M%	MON	2.8	.45	TTL	10	6	0.0	5.0	15n	4.0n	2.5n	60mt		-55	125	1	B02194	TO116
86	MC2025F	2F	50Mt Ø	MON	3.0%	.40*†	TTL	10	9	0.0	5.0				50mt		0	75	1	B02193	TO86
87	MC2025L,P%	2F	50Mt Ø	MON	3.0%	.40*†	TTL	10	9	0.0	5.0				50mt		0	75	1	B02193	TO116
88	MC2026F	2F	50Mt Ø	MON	3.0%	.40*†	TTL	10	9	0.0	5.0				60mt		0	75	1	B02194	TO86
89	MC2026L,P%	2F	50Mt Ø	MON	3.0%	.40*†	TTL	10	9	0.0	5.0				60mt		0	75	1	B02194	TO116
90	MC2075F	2F	50Mt Ø	MON	3.0%	.40*†	TTL	10	5	0.0	5.0				50mt		0	75	1	B02193	TO86
91	MC2075L,P%	2F	50Mt Ø	MON	3.0%	.40*†	TTL	10	5	0.0	5.0				50mt		0	75	1	B02193	TO116
92	MC2076F	2F	50Mt Ø	MON	3.0%	.40*†	TTL	10	5	0.0	5.0				60mt		0	75	1	B02194	TO86
93	MC2076L,P%	2F	50Mt Ø	MON	3.0%	.40*†	TTL	10	5	0.0	5.0				60mt		0	75	1	B02194	TO116
94	TRW7472#1	2F	15M	MON	3.3	.26	TTL	9	20	0.0	5.0	50n			40m	900m	-55	125	1	B0288	M157
95	TRW7472#2	2F	15M	MON	3.3	.26	TTL	9	20	0.0	5.0	50n			40m	900m	-55	125	1	B0288	M126
96	SNF60J	2F	20M	MON	3.3	.26	TTL	12	15†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	M157b
97	SNF60W	2F	20M	MON	3.3	.26	TTL	12	15†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	Δ004AF
98	SNF61J	2F	20M	MON	3.3	.26	TTL	12	7†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	M157b
99	SNF61W	2F	20M	MON	3.3	.26	TTL	12	7†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	Δ004AF
100	SNF62J	2F	20M	MON	3.3	.26	TTL	12	12†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	M157b
101	SNF62W	2F	20M	MON	3.3	.26	TTL	12	12†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	Δ004AF
102	SNF63J	2F	20M	MON	3.3	.26	TTL	12	6†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	M157b
103	SNF63W	2F	20M	MON	3.3	.26	TTL	12	6†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	Δ004AF
104	TRWF60#1	2F	20M	MON	3.3	.26	TTL	12	15	0.0	5.0	25n	5.0n	8.0n	60m	900m	-55	125	1	B0257	M157
105	TRWF60#2	2F	20M	MON	3.3	.26	TTL	12	15	0.0	5.0	25n	5.0n	8.0n	60m	900m	-55	125	1	B0257	M126
106	SNF200J	2F	50M	MON	3.3	.26	TTL	10	15†	0.0	5.0	11nΔ	1.0nt	1.7nt	50m	900m	-55	125	1	B02105	M157b
107	SNF200W	2F	50M	MON	3.3	.26	TTL	10	15†	0.0	5.0	11nΔ	1.0nt	1.7nt	50m	900m	-55	125	1	B02105	Δ004AF
108	SNF201J	2F	50M	MON	3.3	.26	TTL	10	7†	0.0	5.0	11nΔ	1.0nt	1.7nt	50m	900m	-55	125	1	B02105	M157b
109	SNF201W	2F	50M	MON	3.3	.26	TTL	10	7†	0.0	5.0	11nΔ	1.0nt	1.7nt	50m	900m	-55	125	1	B02105	Δ004AF
110	SNF202J	2F	50M	MON	3.3	.26	TTL	10	12†	0.0	5.0	11nΔ	1.0nt	1.7nt	60m	900m	0	75	1	B02105	M157b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SNF202W	2F	50M	MON	3.3	.26	TTL	10	12†	0.0	5.0	11nΔ	1.0nt	1.7nt	60m	900m	0	75	1	B02105	Δ004AF
2	SNF203J	2F	50M	MON	3.3	.26	TTL	10	6†	0.0	5.0	11nΔ	1.0nt	1.7nt	60m	900m	0	75	1	B02105	M157b
3	SNF203W	2F	50M	MON	3.3	.26	TTL	10	6†	0.0	5.0	11nΔ	1.0nt	1.7nt	60m	900m	0	75	1	B02105	Δ004AF
4	SNF210J	2F	50M	MON	3.3	.26	TTL	10	15†	0.0	5.0	11nΔ	1.0nt	1.7nt	60m	900m	-55	125	1	B02106	M157b
5	SNF210W	2F	50M	MON	3.3	.26	TTL	10	15†	0.0	5.0	11nΔ	1.0nt	1.7nt	60m	900m	-55	125	1	B02106	Δ004AF
6	SNF211J	2F	50M	MON	3.3	.26	TTL	10	7†	0	5	11nΔ	1.0nt	1.7nt	60m	900m	-55	125	1	B02106	M157b
7	SNF211W	2F	50M	MON	3.3	.26	TTL	10	7†	0.0	5.0	11nΔ	1.0nt	1.7nt	60m	900m	-55	125	1	B02106	Δ004AF
8	SNF212J	2F	50M	MON	3.3	.26	TTL	10	12†	0	5	11nΔ	1.0nt	1.7nt	50m	900m	0	75	1	B02106	M157b
9	SNF212W	2F	50M	MON	3.3	.26	TTL	10	12†	0.0	5.0	11nΔ	1.0nt	1.7nt	50m	900m	0	75	1	B02106	Δ004AF
10	SNF213J	2F	50M	MON	3.3	.26	TTL	10	6†	0	5	11nΔ	1.0nt	1.7nt	50m	900m	0	75	1	B02106	M157b
11	SNF213W	2F	50M	MON	3.3	.26	TTL	10	6†	0.0	5.0	11nΔ	1.0nt	1.7nt	50m	900m	0	75	1	B02106	Δ004AF
12	TRWF200#1	2F	50M	MON	3.3	.26	TTL	10	15	0.0	5.0	11n	1.0nt	1.7nt	50m	900m	-55	125	1	B02105	M157
13	TRWF200#2	2F	50M	MON	3.3	.26	TTL	10	15	0.0	5.0	11n	1.0nt	1.7nt	50m	900m	-55	125	1	B02105	M126
14	TRWF210#1	2F	50M	MON	3.3	.26	TTL	10	15	0.0	5.0	11n	1.0nt	1.7nt	60m	900m	-55	125	1	B02106	M157
15	TRWF210#2	2F	50M	MON	3.3	.26	TTL	10	15	0.0	5.0	11n	1.0nt	1.7nt	60m	900m	-55	125	1	B02106	M126
16♦	3101-4-6J	2G	250kΔ	MOS	9.0%	2.0*	PCH	5		29	0.0	1.0nΔ			200mΔ		-55	85	2	B02171	M148
17	CM4043AD	3		MOS	10	0.0†		2		0.0	10	175nΔ			200m	4.5 Δ	-55	125	4	B03158	M210b
18	CM4043AE	3		MOS	10	0.0†		2		0.0	10	200nΔ			200m	4.5 Δ	-40	85	4	B03158	M210b
19	CM4044AD	3		MOS	10	0.0†		2		0.0	10	175nΔ			200m	4.5 Δ	-55	125	4	B03159	M210b
20	CM4044AE	3		MOS	10	0.0†		2		0.0	10	200nΔ			200m	4.5 Δ	-40	85	4	B03159	M210b
21	MFC6080	3		MON	14%	1.0*†		2		0.0	16				1.0		0	75	1	B03154	M221
22	SW950-1P	3	40Mt	MON		.30†	DTL	6	8	0.0	5.0	25n%			30mt	1.0	-55	125	1	B0397a	TO116
23	SW950-2M	3	40Mt	MON		.30†	DTL	6	8	0.0	5.0	25n%			30mt	1.0	0	75	1	B0397a	M105n
24	SW950-2P	3	40Mt	MON		.30†	DTL	6	8	0.0	5.0	25n%			30mt	1.0	0	75	1	B0397a	TO116
25	R200	3	2.0M	PCB	0.0	-3.0	DTL	2	17	15	10		70n	100n	213m	800m	-20	65	1	B038n	CB31
26	R204	3	2.0M	PCB	0.0	-3.0	DTL	2	17	15	10		90n	130n	519m	800m	-20	65	4	B038m	CB31
27#	9945DM	3		MON	1.7%	1.4*	DTL	7	10	0.0	5.0	75nΔ			70mŝ	1.0 Δ	-55	125	1	B0395	M294
28#	9945FM	3		MON	1.7%	1.4*	DTL	7	10	0.0	5.0	75nΔ			70mŝ	1.0 Δ	-55	125	1	B0395	FP28g
29#	9948DM	3		MON	1.7%	1.4*	DTL	7	10	0.0	5.0	75nΔ			81mŝ	1.0 Δ	-55	125	1	B0395a	M294
30#	9948FM	3		MON	1.7%	1.4*	DTL	7	10	0.0	5.0	75nΔ			81mŝ	1.0 Δ	-55	125	1	B0395a	FP28g
31#	9945BC	3		MON	1.8%	1.2*	DTL	7	10	0.0	5.0	90nΔ			75mŝ	1.0 Δ	0	75	1	B0395	M126u
32#	9945DC	3		MON	1.8%	1.2*	DTL	7	10	0.0	5.0	90nΔ			75mŝ	1.0 Δ	0	75	1	B0395	M294
33#	9945FC	3		MON	1.8%	1.2*	DTL	7	10	0.0	5.0	90nΔ			75mŝ	1.0 Δ	0	75	1	B0395	FP28g
34#	9948BC	3		MON	1.8%	1.2*	DTL	7	10	0.0	5.0	80nΔ			87mŝ	1.0 Δ	0	75	1	B0395a	M126u
35#	9948DC	3		MON	1.8%	1.2*	DTL	7	10	0.0	5.0	80nΔ			87mŝ	1.0 Δ	0	75	1	B0395a	M294
36#	9948FC	3		MON	1.8%	1.2*	DTL	7	10	0.0	5.0	80nΔ			87mŝ	1.0 Δ	0	75	1	B0395a	FP28g
37	SW772-1P	3	7.0Mt	MON	1.8%	1.2*	DTL	2	8	0.0	5.0	60n%			48mt	1.0	-55	125	3	B03130	TO116
38	9950DM	3	20Mt	MON	1.9%	1.1*	DTL	6		0.0	5.0	30nΔ				1.0 Δ	-55	125	1	B0397d	M157
39	9950FM	3	20Mt	MON	1.9%	1.1*	DTL	6		0.0	5.0	30nΔ				1.0 Δ	-55	125	1	B0397d	FP28c
40	SW772-2M	3	7.0Mt	MON	1.9%	1.2*	DTL	2	8	0.0	5.0	60n%			48mt	1.0	0	75	3	B03130	M105n
41	SW772-2P	3	7.0Mt	MON	1.9%	1.2*	DTL	2	8	0.0	5.0	60n%			48mt	1.0	0	75	3	B03130	TO116
42	512	3	5.0M	PCB	2.0%	.45*	DTL	2	10	0.0	7.0	30n%			260mt		0	70	10		CB62
43	RM202D	3		MON	2.0%	1.0*	DTL	6	10	0	6.0	48n			11mt	550m	-55	125	1	B0324	M105k
44	RM202G	3		MON	2.0%	1.0*	DTL	6	10	0	6.0	48n			11mt	550m	-55	125	1	B0324	TO84
45	RM202T	3		MON	2.0%	1.0*	DTL	6	10	0	6.0	48n			11mt	550m	-55	125	1	B0319	TO101
46	RM212D	3		MON	2.0%	1.0*	DTL	8Δ	10	0	6.0	48n			11mt	550m	-55	125	1	B0321b	M105k
47	RM212G	3		MON	2.0%	1.0*	DTL	8Δ	10	0	6.0	48n			11mt	550m	-55	125	1	B0321b	TO84
48	RM212T	3		MON	2.0%	1.0*	DTL	8Δ	10	0	6.0	48n			11mt	550m	-55	125	1	B0321a	TO101
49	RM222D	3		MON	2.0%	1.0*	DTL	8Δ	10	0	6.0	48n			20mt	550m	-55	125	1	B0325a	M105k
50	RM222G	3		MON	2.0%	1.0*	DTL	8Δ	10	0	6.0	48n			20mt	550m	-55	125	1	B0325a	TO84
51	RM222T	3		MON	2.0%	1.0*	DTL	8Δ	10	0	6.0	48n			20mt	550m	-55	125	1	B0325a	TO101
52	RM950D	3		MON	2.0%	1.0*	DTL	6	8	0	5.0	30n			23mt	500m	-55	125	1		M105m
53	RM950J	3		MON	2.0%	1.0*	DTL	6	8	0	5.0	30n			23mt	500m	-55	125	1		FP28
54	RM950Q	3		MON	2.0%	1.0*	DTL	6	8	0	5.0	30n			23mt	500m	-55	125	1		FP26b
55	RM950T	3		MON	2.0%	1.0*	DTL	6	8	0	5.0	30n			23mt	500m	-55	125	1		TO101
56	9945HC	3		MON	2.6%	.40t*	DTL	6	24	0.0	5.5	36n				1.0	0	70	1	B0395	TO100
57	9945HM	3		MON	2.6%	.40t*	DTL	6	20	0.0	5.5	36n				1.0	-55	125	1	B0395	TO100
58	9948HC	3		MON	2.6%	.40t*	DTL	6	22	0.0	5.5	36n				1.0	0	75	1	B0395a	TO100
59	9948HM	3		MON	2.6%	.40t*	DTL	6	18	0.0	5.0	36n				1.0	-55	125	1	B0395a	TO100
60	9950HC	3		MON	2.6%	.40t*	DTL	6	20	0.0	8.0	36n				1.0	0	70	1	B0397c	TO100
61	9950HM	3		MON	2.6%	.40t*	DTL	6	16	0.0	8.0	36n				1.0	-55	125	1	B0397c	TO100
62	MC950F	3		MON	2.6%	.40*	DTL	6	8	0.0	5.0	15n			50mt		-55	125	1	B0397d	TO86
63	MC950G	3		MON	2.6%	.40*	DTL	6	8	0.0	5.0	15n			50mt		-55	125	1	B0397d	TO100
64	MC950L	3		MON	2.6%	.40*	DTL	6	8	0.0	5.0	15n			50mt		-55	125	1	B0397d	TO116
65	DM945N	3		MON	2.6%	.45t*	DTL	7		0.0	5.0	100nΔ			90m%		0	75	1	B0395	M344
66	DM948N	3		MON	2.6%	.45t*	DTL	7		0.0	5.0	100nΔ			115m%		0	75	1	B0395h	M344
67	MC850F	3		MON	2.6%	.45*	DTL	6	10	0.0	5.0	15n			50mt		0	75	1	B0397d	TO86
68	MC850G	3		MON	2.6%	.45*	DTL	6	10	0.0	5.0	15n			50mt		0	75	1	B0397d	TO100
69	MC850L,P%	3		MON	2.6%	.45*	DTL	6	10	0.0	5.0	15n			50mt		0	75	1	B0397d	TO116
70	9950FC	3		MON	2.8%	.45t*	DTL	6	20	0.0	5.0	35nΔ			46m		0	75	1	B0397c	FP28b
71	SFC945E	3		MON	3.1%	.45t*	DTL	7		0.0	5.0	75nΔ			75m		0	75	1	B0395	M126
72	SFC948E	3		MON	4.3%	.45t*	DTL	7		0.0	5.0	65nΔ			87m		0	75	1	B0395a	M126
73	I113	3	5.0M	PCB	5.0	5.0	DTL	2	7	0.0	5.0	35n			445m%	1.0			12	B03141	CB⍰
74	HEPC0906P-RT	3	3.0Mt%	MON	12.5%	1.5*†	DTL	7	8	0.0	15				160mt		-30	75	1	B03127	TO116
75	MC664L,P%	3	3.0Mt	MON	13%	1.5*†	DTL	7	8	0.0	18				160mt	5.0	-30	75	1	B03127	TO116
76#	TL664L	3	3.0Mt%	MON	13%	1.5t*	DTL	7	8	0.0	18				160mt	5.0	-30	75	1	B03127	M157a
77#	TL664P	3	3.0Mt%	MON	13%	1.5t*	DTL	7	8	0.0	18				160mt	5.0	-30	75	1	B03127	M114f
78	MC1014P	3		MON	-.75	-1.6	ECT	3	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	0	75	2	B03125	TO116
79	MC1015P	3		MON	-.75	-1.6	ECT	3	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	0	75	2	B03126	TO116
80	MC1016P	3		MON	-.75	-1.6	ECT	2	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	0	75	2	B03138	TO116
81	MC1033P	3		MON	-.75	-1.6	ECT	2	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	0	75	2	B03139	TO116
82	MC1214F	3		MON	-.75	-1.6	ECT	3	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03125	TO86
83	MC1214L	3		MON	-.75	-1.6	ECT	3	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03125	TO116
84	MC1215F	3		MON	-.75	-1.6	ECT	3	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03126	TO86
85	MC1215L	3		MON	-.75	-1.6	ECT	3	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03126	TO116
86	MC1216F	3		MON	-.75	-1.6	ECT	2	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03138	TO86
87	MC1216L	3		MON	-.75	-1.6	ECT	2	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03138	TO116
88	MC1233F	3		MON	-.75	-1.6	ECT	2	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03139	TO86
89	MC1233L	3		MON	-.75	-1.6	ECT	2	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03139	TO116
90♦#	SP1014	3		MON	-.75	-1.6†	ECT	3	25	5.2	0.0	6.0n			140mt		0	75	2	B03160	M257a
91♦#	SP1015	3		MON	-.75	-1.6†	ECT	3	25	5.2	0.0	6.0n			140mt		0	75	2	B03160	M257a
92♦#	SP1016	3		MON	-.75	-1.6†	ECT	2	25	5.2	0.0	6.0n			140mt		0	75	2	B03161	M257a
93♦#	SP1033	3		MON	-.75	-1.6†	ECT	2	25	5.2	0.0	6.0n			140mt		0	75	2	B03161	M257a
94♦#	SP1214	3		MON	-.75	-1.6†	ECT	3	25	5.2	0.0	6.0n			140mt		-55	125	2	B03160	M257a
95♦#	SP1215	3		MON	-.75	-1.6†	ECT	3	25	5.2	0.0	6.0n			140mt		-55	125	2	B03160	M257a
96♦#	SP1216	3		MON	-.75	-1.6†	ECT	2	25	5.2	0.0	6.0n			140mt		-55	125	2	B03161	M257a
97♦#	SP1233	3		MON	-.75	-1.6†	ECT	2	25	5.2	0.0	6.0n			140mt		-55	125	2	B03161	M257a
98	MC302F	3	40M	MON	-.75	-1.6	ECT	4	25	5.2	0.0	18n	18n	17n	55m		-55	125	1	B0320	TO91
99	MC302G	3	40M	MON	-.75	-1.6	ECT	4	25	5.2	0.0	18n	18n	17n	55m		-55	125	1	B0320	CN9
100	N1014A	3			-.85	-1.8	ECT	2	25	5.2	0.0	6.0n	9.0n	9.0n	140m	400m	0	75			M153a
101	N1015A	3			-.85	-1.8	ECT	2	25	5.2	0.0	6.0n	9.0n	9.0n	140m	400m	0	75			M153a
102	N1016A	3			-.85	-1.8	ECT	1	25	5.2	0.0	6.0n	9.0n	9.0n	140m	400m	0	75			M153a
103	N1033A	3			-.85	-1.8	ECT	1	25	5.2	0.0	6.0n	9.0n	9.0n	140m	400m	0	75			M153a
104	MC1666F	3		MON	-.96%	-1.6*†	ECT	3	70	5.2	0.0	1.8n	2.5n	2.2n	220mt		-30	85	2	B03150	FP85
105	MC1666L	3		MON	-.96%	-1.6*†	ECT	3	70	5.2	0.0	1.8n	2.5n	2.2n	220mt		-30	85	2	B03150	M191
106	MC902G	3		MON	.82%	.57*	RTL	2	8	0	4	14n			22mt		-55	125	1	B0360	TO99
107	MC802G	3		MON	.84%	.55*	RTL	2	8	0	4	14n			22mt		0	100	1	B0360	TO99
108	MC702G	3		MON	1.1	.10	RTL	2	26	0	4	22n			80mt		15	55	1	B0360	TO99
109	9957DC	3		MON	2.2%	.36t*	RTL	6	9.5	2.0	4.5	14n			1.0	500m	15	55	1	B03131	TO116
110♦	LCE701	3	1.0M	MOH	6.0	0.0†	RTL			6	12	30n					-15	65	1		M45

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPA-GATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	LCE301	3	3.0M	MOH	6.0	0.0†	RTL			6	12	25n	44n	34n	220m		-40	100	1	B0356	CN27
2♦	LCE401	3	3.0M	MOH	6.0	0.0†	RTL			6	12	25n	44n	34n	220m		-40	100	1	B0356a	M45
3♦	LCE501	3	5.0M	MOH	6.0	0.0†	RTL			6	12	25n					-30	80	1		M45
4	RSN54L71H	3	3.0MΔ%	MON	1.9%	.80*	TTL	9		0.0	5.0	150nΔ			7.2m%		-55	125	1	B02283	FP69b
5	SN54L71T	3	3.0M%Δ	MON	2..0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0mt	1.0 Δ	-55	125	1	B03117	FP52e
6	512T	3	20M	PCB	2.0%	.45*	TTL	2	10	0.0	7.0	25n%			300mt		0	70	10		CB62
7	JANM38510/02101BAA	3	2.5MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B03156	FP115
8	JANM38510/02101BAC	3	2.5MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B03156	FP115
9	JANM38510/02101BCB	3	2.5MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B03156	M314
10	JANM38510/02101CAA	3	2.5MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B03156	FP115
11	JANM38510/02101CAC	3	2.5MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B03156	FP115
12	JANM38510/02101CCB	3	2.5MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B03156	M314
13	NC74L71N	3	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0mt	1.0 Δ	0	70	1	B03117	TO116
14	SN54L71J	3	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0mt	1.0 Δ	-55	125	1	B03117	M157b
15	SN74L71J	3	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0mt	1.0 Δ	0	70	1	B03117	M157b
16	SN74L71N	3	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0mt	1.0 Δ	0	70	1	B03117	M126e
17	DM54L71F	3	11M†%	MON	2.0%	.70*	TTL	9	20	0.0	5.0	150nΔ			5.0mt		-55	125	1	B02285	FP87a
18	DM54L71J	3	11M†%	MON	2.0%	.70*	TTL	9	20	0.0	5.0	150nΔ			5.0mt		-55	125	1	B02285	M294b
19	DM54L71N	3	11M†%	MON	2.0%	.70*	TTL	9	20	0.0	5.0	150nΔ			5.0mt		-55	125	1	B02285	M344
20	DM74L71F	3	11M†%	MON	2.0%	.70*	TTL	9	20	0.0	5.0	150nΔ			5.0mt		0	70	1	B02285	FP87a
21	DM74L71J	3	11M†%	MON	2.0%	.70*	TTL	9	20	0.0	5.0	150nΔ			5.0mt		0	70	1	B02285	M294b
22	DM74L71N	3	11M†%	MON	2.0%	.70*	TTL	9	20	0.0	5.0	150nΔ			5.0mt		0	70	1	B02285	M344
23	M203	3	20M	PCB	2.4	.40	TTL	1	9	0	5	30n	15n	15n	175m	1.0	0	70	8		
24	MC413F	3		MON	3.3	.26	TTL	6	12	0.0	5.0	20n	8.0n	5.0n	30mt	900m	0	75	1	B03133	TO86
25	MC413L,P%	3		MON	3.3	.26	TTL	6	12	0.0	5.0	20n	8.0n	5.0n	30mt	900m	0	75	1	B03133	TO116
26	MC463F	3		MON	3.3	.26	TTL	6	6	0.0	5.0	20n	8.0n	5.0n	30mt	900m	0	75	1	B03133	TO86
27	MC463L,P%	3		MON	3.3	.26	TTL	6	6	0.0	5.0	20n	8.0n	5.0n	30mt	900m	0	75	1	B03133	TO116
28	MC513F	3		MON	3.3	.26	TTL	6	15	0.0	5.0	20n	8.0n	5.0n	30mt	900m	-55	125	1	B03133	TO86
29	MC513L	3		MON	3.3	.26	TTL	6	15	0	8	20n	8.0n	5.0n	30mt	900m	-55	125	1	B03133	TO116
30	MC563F	3		MON	3.3	.26	TTL	6	7	0.0	5.0	20n	8.0n	5.0n	30mt	900m	-55	125	1	B03133	TO116
31	MC563L	3		MON	3.3	.26	TTL	6	7	0	8	20n	8.0n	5.0n	30mt	900m	-55	125	1	B03133	TO116
32	RF10D	3	20M†	MON	3.4	.20	TTL	6	15	0	5.0				30 †	1.1	-55	125	1	B0388a	M105m
33	MC421F	3	10M†	MON	3.5	.20	TTL	6	12	0.0	5.0	18n			30mt	1.0	0	75	1	B03137	TO86
34	MC421L,P%	3	10M†	MON	3.5	.20	TTL	6	12	0.0	5.0	18n			30mt	1.0	0	75	1	B03137	TO116
35	MC471F	3	10M†	MON	3.5	.20	TTL	6	6	0.0	5.0	18n			30mt	1.0	0	75	1	B03137	TO86
36	MC471L,P%	3	10M†	MON	3.5	.20	TTL	6	6	0.0	5.0	18n			30mt	1.0	0	75	1	B03137	TO116
37	MC521F	3	10M†	MON	3.5	.20	TTL	6	15	0.0	5.0	18n			30mt	1.0	-55	125	1	B03137	TO86
38	MC521L	3	10M†	MON	3.5	.20	TTL	6	15	0	8	18n			30mt	1.0	-55	125	1	B03137	TO116
39	MC571F	3	10M†	MON	3.5	.20	TTL	6	7	0.0	5.0	18n			30mt	1.0	-55	125	1	B03137	TO86
40	MC571L	3	10M†	MON	3.5	.20	TTL	6	7	0	8	18n			30mt	1.0	-55	125	1	B03137	TO116
41	T110	3	10M	PCB	5.0	0.0	TTL	7	9	4.8	5.2	15n			1.1	1.0	0	70	2		CB☑
42	T113	3	10M	PCB	5.0	0.0	TTL	2	9	4.8	5.2	8.0n			420m	1.0	0	70	18		CB☑
43	SW945-1P	3,2	15M†	MON	1.8%	1.2*	DTL	7	10	0.0	5.0	50n%			40mt	1.0	-55	125	1	B0395	TO116
44	SW945-2M	3,2	15M†	MON	1.8%	1.2*	DTL	7	12	0.0	5.0	50n%			40mt	1.0	0	75	1	B0395	M105n
45	SW945-2P	3,2	15M†	MON	1.8%	1.2*	DTL	7	12	0.0	5.0	50n%			40mt	1.0	0	75	1	B0395	TO116
46	SW948-1P	3,2	18M†	MON	1.8%	1.2*	DTL	7	9	0.0	5.0	40n%			50mt	1.0	-55	125	1	B0395a	TO116
47	SW948-2M	3,2	18M†	MON	1.8%	1.2*	DTL	7	11	0.0	5.0	40n%			50mt	1.0	0	75	1	B0395a	M105n
48	SW948-2P	3,2	18M†	MON	1.8%	1.2*	DTL	7	11	0.0	5.0	40n%			50mt	1.0	0	75	1	B0395a	TO116
49#	FQJ101-845	3,2	5.0M%	MON	3.1%	.45†*	DTL	3†	12	0.0	5.0	25n%	75n	75n	75m	1.0 Δ	0	75	2	B03132	TO116
50#	FQJ111-848	3,2	5.0M%	MON	4.3%	.45†*	DTL	3†	11	0.0	5.0	25n%	75n	65n	81m	1.0 Δ	0	75	1	B03132a	TO116
51	9314FC	3,8		MON	1.8%	.85*	TTL					32nΔ			300m%		0	75	1		FP47b
52	B201	3CG	10M	PCB	-3.0	0.0	RCT	7	16	15	10	10n	15n	15n	695m	800m	-20	65	1	B0366	CB31
53	R201#	3F	2.0M	PCB	0.0	-3.0	DTL	12	11	15	10	70n	90n	130n	377m	800m	-20	65	1	B0365	CB31
54	R202	3F	2.0M	PCB	0.0	-3.0	DTL	5	15	15	10	70n	90n	130n	455m	800m	-20	65	2	B0362	CB31
55	R203	3F	2.0M	PCB	0.0	-3.0	DTL	3	15	15	10	70n	90n	130n	517m	800m	-20	65	3	B0362a	CB31
56	R205	3F	2.0M	PCB	0.0	-3.0	DTL	6	13	15	10	70n	110n	130n	485m	800m	-20	65	2	B0364	CB31
57	MC352AF	3F	60M	MON	-.75	-1.6	ECT	5Δ	15	5.2	0	11n	8.0n	8.0n	42m		0	75	1		TO91
58	MC352AG	3F	60M	MON	-.75	-1.6	ECT	5Δ	15	5.2	0	11n	8.0n	8.0n	42m		0	75	1		CN9
59	MC414F	3F	2.5MΔ%	MON	3.5	.20	TTL	9	12	0.0	5.0	20n			30mt	1.0	0	75	1	B03136	TO86
60	MC414L,P%	3F	2.5MΔ%	MON	3.5	.20	TTL	9	12	0.0	5.0	20n			30mt	1.0	0	75	1	B03136	TO116
61	MC464F	3F	2.5MΔ%	MON	3.5	.20	TTL	9	6	0.0	5.0	20n			30mt	1.0	0	75	1	B03136	TO86
62	MC464L,P%	3F	2.5MΔ%	MON	3.5	.20	TTL	9	6	0.0	5.0	20n			30mt	1.0	0	75	1	B03136	TO116
63	MC514F	3F	2.5MΔ%	MON	3.5	.20	TTL	9	15	0.0	5.0	20n			30mt	1.0	-55	125	1	B03136	TO86
64	MC514L	3F	2.5MΔ%	MON	3.5	.20	TTL	9	15	0	8	20n			30mt	1.0	-55	125	1	B03136	TO116
65	MC564F	3F	2.5MΔ%	MON	3.5	.20	TTL	9	7	0.0	5.0	20n			30mt	1.0	-55	125	1	B03136	TO86
66	MC564L	3F	2.5MΔ%	MON	3.5	.20	TTL	9	7	0	8	20n			30mt	1.0	-55	125	1	B03136	TO116
67	B204	3G	10M	PCB	0.0	-3.0	RCT	1	6	15	10	80n	35n	35n	1.4	800m	-20	65	4	B0367	CB31
68	SP629A	4	10M†%	MON			DTL	6	8	0.0	4.5				40mt	2.0	0	75	1	B0419f	M105ae
69	9111DM	4		MON	1.9%	1.1*	DTL	10		0.0	5.0	75nΔ				1.0 Δ	-55	125	1	B04136	M157
70	9111FM	4		MON	1.9%	1.1*	DTL	10		0.0	5.0	75nΔ				1.0 Δ	-55	125	1	B04136	FP28c
71	SN15950N	4	10MΔ	MON	1.9%	1.1*	DTL	6	8	0.0	5.0	32nΔ			20mt		-55	125	1	B0492	M126a
72	690A	4	5.0MΔ	PCB	2.0%	.45*	DTL	7	11	0	5				300m	1.4	0	70	4	B0484a	CB50
73	RM945D	4		MON	2.0%	1.0*	DTL	6	12	0	5.0	40n			35mt	500m	-55	125	1		M105m
74	RM945J	4		MON	2.0%	1.0*	DTL	6	12	0	5.0	40n			35mt	500m	-55	125	1		FP28
75	RM945Q	4		MON	2.0%	1.0*	DTL	6	12	0.0	5.0	40n			35mt	500m	-55	125	1		FP26b
76	RM945T	4		MON	2.0%	1.0*	DTL	6	12	0	5.0	40n			35mt	500m	-55	125	1		TO101
77	RM948D	4		MON	2.0%	1.0*	DTL	6	12	0	5.0	35n			43mt	500m	-55	125	1		M105m
78	RM948J	4		MON	2.0%	1.0*	DTL	6	12	0	5.0	35n			43mt	500m	-55	125	1		FP28
79	RM948Q	4		MON	2.0%	1.0*	DTL	6	12	0	5.0	35n			43mt	500m	-55	125	1		FP26b
80	RM948T	4		MON	2.0%	1.0*	DTL	6	12	0	5.0	35n			43mt	500m	-55	125	1		TO101
81	SN15950	4	7.0MΔ	MON	2.4%	.4*†	DTL	6	16	0	8	32nΔ			20m		-55	125	1	B0492	TO84
82	9111DC	4		MON	2.6%	.40†*	DTL	10	11	0.0	5.0						0	75	1	B04136	TO116
83	9111FC	4		MON	2.6%	.40†*	DTL	10	11	0.0	5.0						0	75	1	B04136	FP28
84	9931FM	4		MON	2.6%	.40†*	DTL	7		0.0	5.0	36n			28m	1.0	-55	125	1	B0487a	FP28
85	SN15850	4	7.0MΔ	MON	2.6%	.45*†	DTL	6	16	0	8	32nΔ			20mt		0	75	1	B0492	TO84
86	SN15850N	4	7.0MΔ	MON	2.6%	.45*†	DTL	6	16	0	8	32nΔ			20mt		0	75	1	B0492	M126
87	N8424A	4	12M†	MON	3.4%	.35*†	DTL	4	9	0	5	60n%Δ		75n	25mΔ	1.4	0	75	2	B04125	TO116
88	N8424F	4	12M†	MON	3.4%	.35†*	DTL	4	9	0.0	5.0	60n%Δ		75n	25mΔ	1.4	0	75	2	B04125	M157
89	N8424J	4	12M†	MON	3.4%	.35*†	DTL	4	9	0	5	60n%Δ		75n	25mΔ	1.4	0	75	2	B04125	TO88
90	N8425A	4	12M†	MON	3.4%	.35*†	DTL	5	9	0	5	60n%Δ		75n	25mΔ	1.4	0	75	2	B04125a	TO116
91	N8425F	4	12M†	MON	3.4%	.35†*	DTL	5	9	0.0	5.0	60n%Δ		75n	25mΔ	1.4	0	75	2	B04125a	M157
92	N8425J	4	12M†	MON	3.4%	.35*†	DTL	5	9	0	5	60n%Δ		75n	25mΔ	1.4	0	75	2	B04125a	TO88
93	S8424A	4	12M†	MON	3.4%	.35*†	DTL	4	9	0	5	60n%Δ		75n	25mΔ	1.4	-55	125	2	B04125	TO116
94	S8424F	4	12M†	MON	3.4%	.35†*	DTL	4	9	0.0	5.0	60n%Δ		75n	25mΔ	1.4	-55	125	2	B04125	M157
95	S8424J	4	12M†	MON	3.4%	.35*†	DTL	4	9	0	5	60n%Δ		75n	25mΔ	1.4	-55	125	2	B04125	TO88
96	S8425A	4	12M†	MON	3.4%	.35*†	DTL	5	9	0	5	60n%Δ		75n	25mΔ	1.4	-55	125	2	B04125a	TO116
97	S8425F	4	12M†	MON	3.4%	.35†*	DTL	5	9	0.0	5.0	60n%Δ		75n	25mΔ	1.4	-55	125	2	B04125a	M157
98	S8425J	4	12M†	MON	3.4%	.35*†	DTL	5	9	0	5	60n%Δ		75n	25mΔ	1.4	-55	125	2	B04125a	TO88
99	M206	4	15M	PCB	2.4	.40	TTL	1	10			30n	15n	15n	255m	1.0	0	70	6		
100	SNF30J	4	10M	MON	3.3	.26	TTL	6	15†	0.0	5.0	18n	5.0n	8.0n	30m	900m	-55	125	1	B0442	M157b
101	SNF30W	4	10M	MON	3.3	.26	TTL	6	15†	0.0	5.0	18n	5.0n	8.0n	30m	900m	-55	125	1	B0442	Δ004AF
102	SNF31J	4	10M	MON	3.3	.26	TTL	6	7†	0.0	5.0	18n	5.0n	8.0n	30m	900m	-55	125	1	B0442	M157b
103	SNF31W	4	10M	MON	3.3	.26	TTL	6	7†	0.0	5.0	18n	5.0n	8.0n	30m	900m	-55	125	1	B0442	Δ004AF
104	SNF32J	4	10M	MON	3.3	.26	TTL	6	12†	0.0	5.0	18n	5.0n	8.0n	30m	900m	0	75	1	B0442	M157b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SNF32W	4	10M	MON	3.3	.26	TTL	6	12†	0.0	5.0	18n	5.0n	8.0n	30m	900m	0	75	1	B0442	Δ004AF
2	SNF33J	4	10M	MON	3.3	.26	TTL	6	6†	0.0	5.0	18n	5.0n	8.0n	30m	900m	0	75	1	B0442	M157b
3	SNF33W	4	10M	MON	3.3	.26	TTL	6	6†	0.0	5.0	18n	5.0n	8.0n	30m	900m	0	75	1	B0442	Δ004AF
4	RF30D	4	15M†	MON	3.4	.20	TTL	4	15	0	5				30m†	1.1	-55	125	1	B0442	M105m
5	RF30K	4	15M†	MON	3.4	.20	TTL	4	15	0	5				30m†	1.1	-55	125	1	B0442	FP21b
6	RF31D	4	15M†	MON	3.4	.20	TTL	4	7	0	5				30m†	1.1	-55	125	1	B0442	M105m
7	RF31K	4	15M†	MON	3.4	.20	TTL	4	7	0	5				30m†	1.1	-55	125	1	B0442	FP21b
8	RF32D	4	15M†	MON	3.4	.20	TTL	4	12	0	5				30m†	1.1	0	75	1	B0442	M105m
9	RF32K	4	15M†	MON	3.4	.20	TTL	4	12	0	5				30m†	1.1	0	75	1	B0442	FP21b
10	RF33D	4	15M†	MON	3.4	.20	TTL	4	6	0	5				30m†	1.1	0	75	1	B0442	M105m
11	RF33K	4	15M†	MON	3.4	.20	TTL	4	6	0	5				30m†	1.1	0	75	1	B0442	FP21b
12	RF50D	4	20M†	MON	3.4	.20	TTL	6	15	0	5				50m†	1.1	-55	125	1	B0242	M105m
13	RF51D	4	20M†	MON	3.4	.20	TTL	6	7	0	5				50m†	1.1	-55	125	1	B0242	M105m
14	RF51K	4	20M†	MON	3.4	.20	TTL	6	7	0	5				50m†	1.1	-55	125	1	B0242	FP21b
15	MCE945F	4,2		MON	2.6%	.40*†	DTL	7	10	0.0	5.0				60m†		-55	125	1	B0482	TO86
16	MCE948F	4,2		MON	2.6%	.40*†	DTL	7	9	0.0	5.0				70m†		-55	125	1	B0488	TO86
17	SN5112	4E		MON	.30	2.3	RCT	4	16	0	8	400n	500n	2.4u	13m	200m	-55	125	1	B0473	FP22
18	SN5113	4E		MON	.30	2.3	RCT	4	16	0	8	400n	500n	2.4u	12.m†	200m	-55	125	1	B0473	FP22
19#	M5945P	4F	7.0M*	MON	1.9%	1.1*	DTL	7	24	0.0	8.0	50n%			48m†	1.0 Δ	0	75	1	B04129	M105j
20#	M5948P	4F	9.0M*	MON	1.9%	1.1*	DTL	7	22	0.0	8.0	40n%			52m†	1.0 Δ	0	75	1	B04129a	M105j
21	510	4F	5.0M	PCB	2.0%	.45*	DTL	9	10	0.0	7.0	40n%			320m§		0	70	4	B0294c	CB62
22	MC931F	4F		MON	2.6%	.40*	DTL	7	14	0	8	40n			55m†		-55	125	1	B0487	TO86
23	MC945F	4F		MON	2.6%	.40*	DTL	7	10	0.0	5.0	40n			60m†		-55	125	1	B04129	TO86
24	MC945G	4F		MON	2.6%	.40*	DTL	6	10	0	8	40n			60m†		-55	125	1	B04129	TO100
25	MC945L	4F		MON	2.6%	.40*	DTL	7	10	0.0	5.0	40n			60m†		-55	125	1	B04129	TO116
26	MC948G	4F		MON	2.6%	.40*	DTL	6	9	0	8	40n			70m†		-55	125	1	B04129a	TO100
27	MC1915F	4F		MON	2.6	.40*†	DTL	10	10	0.0	5.0	40n	10n	10n	65m†		-55	125	1	B04140	TO86
28	MC1915L	4F		MON	2.6%	.40*†	DTL	10	10	0.0	5.0	40n	10n	10n	65m†		-55	125	1	B04140	TO116
29	MC1916F	4F		MON	2.6	.40*†	DTL	10	9	0.0	5.0	40n	10n	10n	75m†		-55	125	1	B04140	TO86
30	MC1916L	4F		MON	2.6%	.40*†	DTL	10	9	0.0	5.0	40n	10n	10n	75m†		-55	125	1	B04140	TO116
31	MC845F	4F		MON	2.6%	.45*	DTL	7	12	0.0	5.0	40n			60m†		0	75	1	B04129	TO86
32	MC845G	4F		MON	2.6%	.45*	DTL	6	12	0	8	40n			60m†		0	75	1	B04129	TO100
33	MC845L,P%	4F		MON	2.6%	.45*	DTL	7	12	0.0	5.0	40n			60m†		0	75	1	B04129	TO116
34	MC848F	4F		MON	2.6%	.45*	DTL	7	11	0.0	5.0	40n			70m†		0	75	1	B04129a	TO86
35	MC848G	4F		MON	2.6%	.45*	DTL	6	11	0	8	40n			70m†		0	75	1	B04129a	TO100
36	MC848L,P%	4F		MON	2.6%	.45*	DTL	7	11	0.0	5.0	40n			70m†		0	75	1	B04129a	TO116
37	MC948F	4F		MON	2.6%	.45*	DTL	7	9	0.0	5.0	40n			70m†		-55	125	1	B04129a	TO86
38	MC948L	4F		MON	2.6%	.45*	DTL	7	9	0.0	5.0	40n			70m†		-55	125	1	B04129a	TO116
39	MC1815F	4F		MON	2.6%	.45*†	DTL	10	12	0.0	5.0	40n	10n	10n	65m†		0	75	1	B04140	TO86
40	MC1815L,P%	4F		MON	2.6%	.45*†	DTL	10	12	0.0	5.0	40n	10n	10n	65m†		0	75	1	B04140	TO116
41	MC1816F	4F		MON	2.6%	.45*†	DTL	10	11	0.0	5.0	40n	10n	10n	75m†		0	75	1	B04140	TO86
42	MC1816L,P%	4F		MON	2.6%	.45*†	DTL	10	11	0.0	5.0	40n	10n	10n	75m†		0	75	1	B04140	TO116
43	9913HC	4F		MON			RTL	4	6	0.0	3.6	15n					0	70	1	B0452	TO99
44	SP302A	4F		MON	1.0Δ	.22	RTL	6Δ	4	0	8	30n			45m	320m	-55	125	1	B04130	TO100
45	SP352A	4F		MON	1.0Δ	.22	RTL	6Δ	4	0	8	30n			45m	320m	-55	125	1	B04130	FP2
46	TF20F	4F	20M	MON	3.0	.30	TTL	10	15	0.0	5.0	18n			50m	1.0 Δ	-55	125	1	B0477	FP21c
47	TF20J	4F	20M	MON	3.0	.30	TTL	10	15	0.0	5.0	18n			50m	1.0 Δ	-55	125	1	B0477	TO116
48	TF21F	4F	20M	MON	3.0	.30	TTL	10	7.0	0.0	5.0	18n			50m	1.0 Δ	-55	125	1	B0477	FP21c
49	TF21J	4F	20M	MON	3.0	.30	TTL	10	7.0	0.0	5.0	18n			50m	1.0 Δ	-55	125	1	B0477	TO116
50	TF22F	4F	20M	MON	3.0	.30	TTL	10	15	0.0	5.0	18n			50m	1.0 Δ	0	75	1	B0477	FP21c
51	TF22J	4F	20M	MON	3.0	.30	TTL	10	15	0.0	5.0	18n			50m	1.0 Δ	0	75	1	B0477	TO116
52	TF23F	4F	20M	MON	3.0	.30	TTL	10	7.0	0.0	5.0	18n			50m	1.0 Δ	0	75	1	B0477	FP21c
53	TF23J	4F	20M	MON	3.0	.30	TTL	10	7.0	0.0	5.0	18n			50m	1.0 Δ	0	75	1	B0477	TO116
54	CTR100P/N6PB	5	500k	3DM			MTL	4	5	0.0	6.0	200n			80m			55			M18a
55	CTR100P/N12PB	5	500k	3DM			MTL	4	5	0.0	12	200n			100m			55			M18a
56	CTR100P/N12S	5	500k	3DM			MTL	4	5	0.0	12	200n			100m			100			ZB26
57	CTR100P/N24	5	500k	3DM			MTL	4	5	0.0	24	200n			250m			100			ZB26
58	CTR100P/N24PB	5	500k	3DM			MTL	4	5	0.0	24	200n			150m			100			M18
59	CTR250P/N24PB	5	500k	3DM			MTL	4	5	0.0	24	200n			150m			100			M18
60	CTR500P/N12MSQ	5	500k	3DM			MTL	4	5	0.0	12	200n			200m			55			M18a
61	CTR500P/N12SMSQ	5	500k	3DM			MTL	4	5	0.0	12	200n			200m			100			M18a
62	CTR500P/N24	5	500k	3DM			MTL	4	5	0.0	24	200n			200m			100			ZB26
63	CTR750N12	5	500k	3DM			MTL	4	5	0.0	12	200n			80m			55			M18a
64	CTR750P12MSQ	5	500k	3DM			MTL	4	5	0.0	12	200n			80m			55			M18a
65	9905HC	5		MON			RTL	3	42	0.0	3.6	15n			250m		0	70	1	B0531	TO99
66	MC906F	5		MON	.82%	.57*	RTL	3	8	0	4	22n			36m†		-55	125	1	B0530	TO91
67	MC906G	5		MON	.82%	.57*	RTL	3	8	0	4	22n			36m†		-55	125	1	B0530	TO99
68	MC984F	5		MON	.82%	.57*	RTL	3	8	0	4	22n			120m†		-55	125	2	B0530b	TO86
69	MC806F	5		MON	.84%	.55*	RTL	3	8	0	4	22n			36m†		0	100	1	B0530	TO91
70	MC806G	5		MON	.84%	.55*	RTL	3	8	0	4	22n			36m†		0	100	1	B0530	TO99
71	MC883F	5		MON	.84%	.55*	RTL	3	8	0.0	3.6	22n†			110m†		0	75	2	B0531a	TO86
72	MC783F	5		MON	.85%	.46*	RTL	3	26	0.0	3.6	22n†			140m†		15	55	2	B0531a	TO86
73	MC783P	5		MON	.85%	.46*	RTL	3	26	0.0	3.6	22n†			140m†		15	55	2	B0531a	TO116
74	MC883P	5		MON	.88%	.50*	RTL	3	42	0.0	3.6	22n†			140m		0	75	2	B0531a	TO116
75	MC706F	5		MON	1.1	.10	RTL	3	26	0	4	22n			52m†		15	55	1	B0530	TO91
76	MC706G	5		MON	1.1	.10	RTL	3	26	0	4	22n			52m†		15	55	1	B0530	TO99
77	MC884F	5F		MON	.84%	.55*	RTL	3	8	0.0	3.6	22n†			75m†		0	75	2	B0530a	TO86
78	MC784F	5F		MON	.85%	.46*	RTL	3	26	0.0	3.6	22n†			100m†		15	55	2	B0530a	TO86
79	MC784P	5F		MON	.85%	.46*	RTL	3	26	0.0	3.6	22n†			120m†		15	55	2	B0530a	TO116
80	MC884P	5F		MON	.88%	.50*	RTL	3	8	0.0	3.6	22n†			120m†		0	75	2	B0530a	TO116
81	MC905F	5G		MON	.82%	.57*	RTL	3	13	0	4	22n			53m†		-55	125	1	B0531	TO91
82	MC905G	5G		MON	.82%	.57*	RTL	3	13	0	4	22n			53m†		-55	125	1	B0531	TO99
83	MC983F	5G		MON	.82%	.57*	RTL	3	13	0	4	22n			140m†		-55	125	2	B0531a	TO86
84	MC805F	5G		MON	.84%	.55*	RTL	3	13	0	4	22n			53m†		0	100	1	B0531	TO91
85	MC805G	5G		MON	.84%	.55*	RTL	3	13	0	4	22n			53m†		0	100	1	B0531	TO99
86	MC705F	5G		MON	1.1	.10	RTL	3	42	0	4	22n			75m†		15	55	1	B0531	TO91
87	MC705G	5G		MON	1.1	.10	RTL	3	42	0	4	22n			75m†		15	55	1	B0531	TO99
88#	MIC370-1D	6		MON			DTL			0.0	12						-55	125	4		M153a
89#	MIC370-1D1	6		MON			DTL			0.0	15						-55	125	4		M153a
90#	MIC370-5D	6		MON			DTL			0.0	12						-30	85	4		M153a
91#	MIC370-5D1	6		MON			DTL			0.0	15						-30	85	4		M153a
92#	E300D2	6		MON	1.7%	.90*	DTL	7	10	0.0	5.0	250nΔ			5.5m%	450m	-55	125	1	B0619	FP28c
93#	E300D7	6		MON	1.7%	.90*	DTL	7	10	0.0	5.0	250nΔ			5.5m%	450m	-20	100	1	B0619	FP28c
94#	E300F2	6		MON	1.7%	.90*	DTL	7	10	0.0	5.0	250nΔ			5.5m%	450m	-55	125	1	B0619	M105e
95#	E300F7	6		MON	1.7%	.90*	DTL	7	10	0.0	5.0	250nΔ			5.5m%	450m	-20	100	1	B0619	M105e
96	511	6	5.0M	PCB	2.0%	.45*	DTL	5	10	0.0	7.0	60n%			52m†		0	70	6		CB62
97	HEPC1045P-RT	6		MON	2.60%	.45*†	DTL					40n			60m†		0	75	1	B0627	TO116
98	511T	6	20M	PCB	2.0%	.45*	TTL	5	10	0.0	7.0	34n%			60m†		0	70	6		CB62
99	HEPC6007P-RT	6	3.0M†%	MON	3.5%	.50*†	TTL	1		0.0	12		250n	60n	1.0		-10	75	1	B077a	M220
100	HEPC6011-RT	6	3.0M†%	MON	3.5%	.50*†	TTL	1		0.0	12		250nt	60nt	1.0		-10	75	2	B077	M220
101	HEPC6015-RT	6	3.0M†%	MON	3.5%	.50*†	TTL			0.0	12		250nt	60nt	1.0		-10	75	2	B078	M220
102	MFC4040	6	3.0M†%	MON	15.5%	1.0*†	TTL	1		0.0	16		250nt	60nt	1.0		-10	75	1	B077a	M220
103	MFC6020	6	3.0M†%	MON	15.5%	1.0*†	TTL	1		0.0	16		250nt	60nt	1.0		-10	75	2	B077	M221
104	MFC6050	6	3.0M†%	MON	15.5%	1.0*†	TTL	1		0.0	16		250nt	60nt	1.0		-10	75	2	B078	M221
105#	DN805	7	1.0M	MON	10	.40	RTL	1			16				200m		-20	75			CN70

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SS4013AE	8	10M%		9.8%	.20*†				0.0	10	150nΔ				4.5 Δ	-30	85	2	B0889	
2	UL51L#1	8		MOS	-3.5%	-9.0*		5		27	0.0				60m†		0	70	2	B0842	M183a
3#	M5811P	8	100k	MOS	-9.0%	-4.0*		8		30	.30	1.5u%			58m†	2.0 Δ	0	75	1	B0817	M153b
4	CM4013AD	8	10M†Δ	MOS	10	0.0†		4		0.0	10	110nΔ	5.0uΔ	5.0uΔ	200m	4.5 Δ	-55	125	2	B0823	M105av
5	CM4013AE	8	10M†Δ	MOS	10	0.0†		4		0.0	10	125nΔ	5.0uΔ	5.0uΔ	200m	4.5 Δ	-40	85	2	B0823	M105av
6	MM54C74D	8	3.5M†%	MOS	3.5%	1.5*	CMS	4		0.0	5.0	250n			500m	450mΔ	-55	125	2	B0885	M346a
7	MM74C74N	8	3.5M†%	MOS	3.5%	1.5*	CMS	4		0.0	5.0	250n			500m	450mΔ	0	70	2	B0885	M345
8▼#	MSM530	8	2.0M%Δ	MOS	3.6%	.80*	CMS	4	15	0.0	5.0	500nΔ			50u§		-20	70	2	B0892	M318a
9♦	JANM38510/05101ACA	8	1.0MΔØ	MON	3.65%	1.25*	CMS	4	7	0.0	5.0	550nΔ			200m		-55	125	2	B0823	M392
10	JANM38510/05101ADA	8	1.0MΔØ	MON	3.65%	1.25*	CMS	4	7	0.0	5.0	550nΔ			200m		-55	125	2	B0823	FP116
11♦	JANM38510/05101BCA	8	1.0MΔØ	MON	3.65%	1.25*	CMS	4	7	0.0	5.0	550nΔ			200m		-55	125	2	B0823	M392
12	JANM38510/05101BDA	8	1.0MΔØ	MON	3.65%	1.25*	CMS	4	7	0.0	5.0	550nΔ			200m		-55	125	2	B0823	FP116
13♦	JANM38510/05101CCA	8	1.0MΔØ	MON	3.65%	1.25*	CMS	4	7	0.0	5.0	550nΔ			200m		-55	125	2	B0823	M392
14	JANM38510/05101CDA	8	1.0MΔØ	MON	3.65%	1.25*	CMS	4	7	0.0	5.0	550nΔ			200m		-55	125	2	B0823	FP116
15♦	MC14013AL	8	10M†	MOS	4.99%	.01*†	CMS	4		0.0	5.0	300n	175n	175n	5.0n%	2.2 Δ	-55	125	2	B0845	TO116
16♦	MC14013CL,P%	8	10M†	MOS	4.99%	.01*†	CMS	4		0.0	5.0	450n	200n	200n	5.0n%	2.2 Δ	-40	85	2	B0845	TO116
17	MM4613AD	8	10MΔ%	MOS	4.99%	.01*†	CMS	4		0.0	5.0	150n			500m	450mΔ	-55	125	2	B0887	M297a
18	MM4613AF	8	10MΔ%	MOS	4.99%	.01*†	CMS	4		0.0	5.0	150n			500m	450mΔ	-55	125	2	B0887	FP97b
19	MM5613AN	8	10MΔ%	MOS	4.99%	.01*†	CMS	4		0.0	5.0	150n			500m	450mΔ	-40	85	2	B0887	M344
20	SW4013A	8	4.0MΔ%	MOS	5.0	0.0	CMS	4	50	0.0	5.0	150n			200m		-40	85	2	B0823	M313a
21▼	TF4013AJ	8	10M†%	MOS	7.1%	2.9*	CMS	4		0.0	10	185nΔ	5.0u	5.0u	1.2m%		-55	125	2	B0883	M157b
22▼	TF4013AN	8	10M†%	MOS	7.1%	2.9*	CMS	4		0.0	10	185nΔ	5.0u	5.0u	1.2m%		-55	125	2	B0883	M126e
23▼	TP4013AJ	8	10M†%	MOS	7.1%	2.9*	CMS	4		0.0	10	250nΔ			2.8m%		-40	85	2	B0883	M157b
24▼	TP4013AN	8	10M†%	MOS	7.1%	2.9*	CMS	4		0.0	10	250nΔ			2.8m%		-40	85	2	B0883	M126e
25	HD1-54C74	8	8.0M%Δ	MOS	8.0%	2.0*	CMS			0.0	10	110nΔ	5.0uΔ	5.0uΔ	50n%	4.5 Δ	-55	125	2	B0836	M126v
26	HD1-74C74	8	8.0M%Δ	MOS	8.0%	2.0*	CMS			0.0	10	110nΔ	5.0uΔ	5.0uΔ	50n%	4.5 Δ	-40	85	2	B0836	M126v
27	HD9-54C74	8	8.0M%Δ	MOS	8.0%	2.0*	CMS			0.0	10	110nΔ	5.0uΔ	5.0uΔ	50n%	4.5 Δ	-55	125	2	B0836	TO86
28	HD9-74C74	8	8.0M%Δ	MOS	8.0%	2.0*	CMS			0.0	10	110nΔ	5.0uΔ	5.0uΔ	50n%	4.5 Δ	-40	85	2	B0836	TO86
29	CD4013AF	8	10M%	MOS	9.99%	.01*†	CMS	4		0.0	10				20u%	4.5 Δ	-55	125	2	B0823	Δ001AB
30	HD1-4013A2	8	10M%Δ	MOS	9.99%	.01*†	CMS			0.0	10	110nΔ	5.0u	5.0u	20u%	4.5 Δ	-55	125	2	B0883	M126v
31	HD1-4013A9	8	10M%Δ	MOS	9.99%	.01*†	CMS			0.0	10	125nΔ	5.0u	5.0u	200u%	4.5 Δ	-40	85	2	B0883	M126v
32	HD9-4013A2	8	10M%Δ	MOS	9.99%	.01*†	CMS			0.0	10	110nΔ	5.0u	5.0u	20u%	4.5 Δ	-55	125	2	B0883	TO86
33	HD9-4013A9	8	10M%Δ	MOS	9.99%	.01*†	CMS			0.0	10	125nΔ	5.0u	5.0u	200u%	4.5 Δ	-40	85	2	B0883	TO86
34	SCL4013AC	8	12M%	MOS	9.99%	.01*†	CMS	4		0.0	10	120nΔ	5.0u	5.0u	20u%	4.5	-55	125	2	B0883	M475a
35	SCL4013AD	8	12M%	MOS	9.99%	.01*†	CMS	4		0.0	10	120nΔ	5.0u	5.0u	20u%	4.5	-55	125	2	B0883	M475b
36	SCL4013AE	8	12M%	MOS	9.99%	.01*†	CMS	4		0.0	10	120nΔ	5.0u	5.0u	20u%	4.5	-40	85	2	B0883	M475c
37	SCL4013AF	8	12M%	MOS	9.99%	.01*†	CMS	4		0.0	10	120nΔ	5.0u	5.0u	20u%	4.5	-55	125	2	B0883	FP110
38	SCL4013AH	8	12M%	MOS	9.99%	.01*†	CMS	4		0.0	10	120nΔ	5.0u	5.0u	20u%	4.5	-55	125	2	B0883	FC☑
39♦	CD4013AD	8	10M%	ΔMOS	10	0.0†	CMS	4		0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B0823	Δ001AD
40♦	CD4013AE	8	10M%	ΔMOS	10	0.0†	CMS	4		0.0	10	125nΔ	5.0uΔ	5.0uΔ	200u%	4.5 Δ	-40	85	2	B0823	Δ001AB
41♦	CD4013AK	8	10M%	ΔMOS	10	0.0†	CMS	4		0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B0823	Δ004AF
42#	HBC4013AD	8	10M†Δ	MOS	10	0.0†	CMS	4		0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B0823	Δ001AD
43#	HBC4013AF	8	10M†Δ	MOS	10	0.0†	CMS	4		0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B0823	Δ001AD
44#	HBC4013AK	8	10M†Δ	MOS	10	0.0†	CMS	4		0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B0823	Δ004AF
45#	HBF4013AE	8	10M†Δ	MOS	10	0.0†	CMS	4		0.0	10	125mΔ	5.0uΔ	5.0uΔ	200u%	4.5 Δ	-40	85	2	B0823	Δ001AB
46#	HBF4013AF	8	10M†Δ	MOS	10	0.0†	CMS	4		0.0	10	125nΔ	5.0uΔ	5.0uΔ	200u%	4.5 Δ	-40	85	2	B0823	Δ001AD
47#	FCJ221#	8	5.0MΔ%	MON	2.2%	.80*	DTL	6	10	0.0	6.0	95n%	105n	120n	300m	1.2 Δ	0	75	4	B0837	M117q
48	ITT370-1D	8			6.5	5.0	DTL	2		0.0	12	250nΔ					-55	125	1	B0617	M200d
49	ITT370-5D	8			6.5	5.0	DTL	2		0.0	12	220nΔ					-30	85	1	B0617	M200d
50	MC1034F	8		MON			ECT	5	25	5.2	0.0	4.0n			185m		0	75	1	B038y	TO85
51♦#	SP1034	8		MON	-.75	-1.6†	ECT			5.2	0.0	4.0n			185m†		0	70	1	B0891	M257a
52♦#	SP1234	8		MON	-.75	-1.6†	ECT			5.2	0.0	4.0n			185m†		-55	125	1	B0891	M257a
53	MC1022P	8		MON	-.85%	-1.5*	ECT	8	25	5.2	0.0	8.0n†	8.5n	11n	110m†		0	75	1	B0821	TO116
54	MC1222F	8		MON	-.85%	-1.5*	ECT	8	25	5.2	0.0	8.0n†	8.5n	11n	110m†		-55	125	1	B0821	TO86
55	MC1222L	8		MON	-.85%	-1.5*	ECT	8	25	5.2	0.0	8.0n†	8.5n	11n	110m†		-55	125	1	B0821	TO116
56	10173F	8	150M	MON	-.85	-1.7	ECT	10	10	5.2	0.0	4.0n	3.5n	3.5n	220m	200m	-30	85	4		M153a
57#	GXB10134	8		MON	-.88	-1.7†	ECT	9		5.2	0.0	2.0n%					0	75	2	K301	M200f
58#	GXB10173	8		MON	-.88	-1.7†	ECT	10		5.2	0.0	2.0n%					0	75	1	K302	M200f
59	10130F	8	150M		-.88	-1.7	ECT	1	90	5.2	0.0	3.0n	4.5n	4.5n	180m	150m	-30	85	2		
60	10132F	8	150M		-.88	-1.7	ECT	2	90	5.2	0.0	3.0n	4.5n	4.5n	285m	150m	-30	85	2		
61	10134F	8	150M		-.88	-1.7	ECT	2	90	5.2	0.0	3.0n	4.5n	4.5n	285m	150m	-30	85	2		
62	10131F	8	160M		-.88	-1.7	ECT	1	90	5.2	0.0	3.0n	4.5n	4.5n	290m	150m	-30	85	2		
63#	GXB10131	8	160MΔ%	MON	-.88	-1.7	ECT	5		5.2	0.0	3.0n%	2.0nt	2.0nt	230m†		0	75	2	B0833	M200n
64	MC10531F	8	160M†%	MON	-.93%	-1.6*†	ECT	5		5.2	0.0	4.3nΔ	4.5n	4.5n	235m†		-55	125	2	B0833	FP85
65	MC10531L	8	160M†%	MON	-.93%	-1.6*†	ECT	5		5.2	0.0	4.3nΔ	4.5n	4.5n	235m†		-55	125	2	B0833	M191
66	MC10631F	8	225M†%	MON	-.93%	-1.6*†	ECT	5		5.2	0.0	2.0n%	3.1n	3.1n	270m†		-55	125	2	B0833	FP85
67	MC10631L	8	225M†%	MON	-.93%	-1.6*†	ECT	5		5.2	0.0	2.0n%	3.1n	3.1n	270m†		-55	125	2	B0833	M191
68	MC1668F	8		MON	-.96%	-1.6*†	ECT	4	70	5.2	0.0	1.8n	2.5n	2.2n	220m†		-30	85	2	B0832	FP85
69	MC1668L	8		MON	-.96%	-1.6*†	ECT	4	70	5.2	0.0	1.8n	2.5n	2.2n	220m†		-30	85	2	B0832	M191
70	MC10131L	8	160M†%	MON	-.96%	-1.6*†	ECT	5		5.2	0.0	4.5n	4.5n	4.5n	225m†		-30	85	2	B0833	M191
71	MC10131P	8	160M†%	MON	-.96%	-1.6*†	ECT	5		5.2	0.0				235m†		-30	75	2	B0833	M278
72	10231B	8	225M†%	MON	-.96%	-1.6*†	ECT	5		5.2	0.0	2.0n	3.1n	3.1n	270m†		-30	85	2	B0882	M256
73	10231F	8	225M†%	MON	-.96%	-1.6*†	ECT	5		5.2	0.0	2.0n	3.1n	3.1n	270m†		-30	85	2	B0882	M153e
74	MC10231L	8	225M†%	MON	-.96%	-1.6*†	ECT	5		5.2	0.0	3.3nΔ	3.1n	3.1n	270m†		-30	85	2	B0833	M191
75	MC10231P	8	225M†%	MON	-.96%	-1.6*†	ECT	5		5.2	0.0	3.3nΔ	3.1n	3.1n	270m†		-30	85	2	B0833	M278
76	MC1670F	8	350M†%	MON	-.96%	-1.6*†	ECT	5	70	5.2	0.0	2.5n	2.5n	1.9n	220m†		-30	85	1	B03153	FP85
77	MC1670L	8	350M†%	MON	-.96%	-1.6*†	ECT	5	70	5.2	0.0	2.5n	2.5n	1.9n	220m†		-30	85	1	B03153	M191
78▼	MC1605F	8	500M†Ø	MON	-.96%	-1.6*†	ECT	5		5.2	0.0	1.4nt	750pt	750pt	525m†		-30	85	2	B0890	FP85
79	MC1690F	8	500M†Ø	MON	-.96%	-1.6*†	ECT	4	70	5.2	0.0	1.5n	1.3n	1.3n	200m†		-30	85	1	B0854	FP85
80	MC1690L	8	500M†Ø	MON	-.96%	-1.6*†	ECT	4	70	5.2	0.0	1.5n	1.3n	1.3n	200m†		-30	85	1	B0854	M191
81	SN10131J	8	125MØ	MON	-.98%	-1.6*	ECT	5		5.2	0.0	2.8n			223m†		0	85	2	B0884	M153d
82	SN10131N	8	125MØ	MON	-.98%	-1.6*	ECT	5		5.2	0.0	2.8n			223m†		0	85	2	B0884	M117x
83	MC1034P	8	180M†	MON	-2.0%	-.70*†	ECT	5	25	5.2	0.0	4.0n	4.0n	5.0n	240m		0	75	1	B038y	TO116
84	MC1234F	8	180M†	MON	-2.0%	-.70*†	ECT	5	25	5.2	0.0	4.0n	4.0n	5.0n	240m		-55	125	1	B038y	TO86
85	MC1234L	8	180M†	MON	-2.0%	-.70*†	ECT	5	25	5.2	0.0	4.0n	4.0n	5.0n	240m		-55	125	1	B038y	TO116
86	MC913F	8		MON	.75%	.45*	RTL	4	6	0.0	4.0	75n			17m†		55	125	1	B081	TO91
87	MC913G	8		MON	.75%	.45*	RTL	4	6	0.0	4.0	75n			17m†		55	125	1	B081	TO99
88	MC978F	8		MON	.75%	.45*	RTL	4	6	0	4	60n			35m†		55	125	2	B086	TO86
89	MC813F	8		MON	.80%	.46*	RTL	4	6	0	4	75n			24m†		0	75	1	B081	TO91
90	MC813G	8		MON	.80%	.46*	RTL	4	6	0	4	75n			24m†		0	75	1	B081	TO99
91	MC878F	8		MON	.80%	.46*	RTL	4	6	0	4	60n			48m†		0	75	2	B086	TO86
92	MC878P	8	1.0M†	MON	.80%	.46*	RTL	4	6	0	4	48n			35m†		0	75	2	B088	TO116
93	MC778P	8	1.0M†	MON	.85%	.46*	RTL	4	6	0	4	48n			35m†		15	55	2	B088	TO116
94	MC713F	8		MON	1.1	.10	RTL	4	6	0	4	75n			24m†		15	55	1	B081	TO91
95	MC713G	8		MON	1.1	.10	RTL	4	6	0	4	75n			24m†		15	55	1	B081	TO99
96	MC778F	8	1.0M	MON	1.1	.10	RTL	4	6	0	4	60n			48m†		15	55	2	B086	TO86
97#	GTB74S74	8		MON			TTL	4	10	0.0	5.0	3.0n			37mΔ		0	70	2	B0836	
98	RF3220D	8		MON			TTL	1	11	0	5					1.1	-55	125	3		M105m
99	RF3220K	8		MON			TTL	1	11	0	5					1.1	-55	125	3		FP21b
100	RF3222D	8		MON			TTL	1	9	0	5					1.1	0	75	3		M105m
101	RF3222K	8		MON			TTL	1	9	0	5					1.1	0	75	3		FP21b
102	RF3230D	8	60M†	MON			TTL		11	0	5					1.1	-55	125	2		M105m
103	RF3230K	8	60M†	MON			TTL		11	0	5					1.1	-55	125	2		FP21b
104	RF3232D	8	60M†	MON			TTL		9	0	5					1.1	0	75	2		M105m

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	RF3232K	8	60M†	MON			TTL		9	0	5					1.1	0	75	2		FP21b
2	513T	8	25M	PCB	2.0%	.45*	TTL	4	10	0.0	7.0	40nΔ			258m†		0	70	6		CB62
3	JANM38510/02105BAA	8	2.5MΔØ	MON	2.0%	.70*	TTL	4	10	0.0	5.5	200nΔ			22m		-55	125	2	B0846	FP115
4	JANM38510/02105BAC	8	2.5MΔØ	MON	2.0%	.70*	TTL	4	10	0.0	5.5	200nΔ			22m		-55	125	2	B0846	FP115
5	JANM38510/02105BCB	8	2.5MΔØ	MON	2.0%	.70*	TTL	4	10	0.0	5.5	200nΔ			22m		-55	125	2	B0846	M314
6	JANM38510/02105CAA	8	2.5MΔØ	MON	2.0%	.70*	TTL	4	10	0.0	5.5	200nΔ			22m		-55	125	2	B0846	FP115
7	JANM38510/02105CAC	8	2.5MΔØ	MON	2.0%	.70*	TTL	4	10	0.0	5.5	200nΔ			22m		-55	125	2	B0846	FP115
8	JANM38510/02105CCB	8	2.5MΔØ	MON	2.0%	.70*	TTL	4	10	0.0	5.5	200nΔ			22m		-55	125	2	B0846	M314
9#	MIC74L74J	8	3.0MΔ%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	150nΔ			85m†		0	70		B085	TO116
10#	SFC474LE	8	3.0M%Δ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	150nΔ			85m†		0	70	2	B085	TO116
11#	SFC474LEM	8	3.0M%Δ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	150nΔ			85m†		-55	125	2	B085	TO116
12	SN54L74J	8	3.0M%Δ	MON	2.0%	.70	TTL	4	20	0.0	5.0	150nΔ			85m†		-55	125	2	B085	M157b
13	SN54L74T	8	3.0M%Δ	MON	2.0%	.70	TTL	4	20	0.0	5.0	150nΔ			85m†		-55	125	2	B085	FP52e
14	SN74L74J	8	3.0M%Δ	MON	2.0%	.70*	TTL	4	20	0.0	5.0	150nΔ			85m†		0	70	2	B085	M157b
15	SN74L74N	8	3.0M%Δ	MON	2.0%	.70	TTL	4	20	0.0	5.0	150nΔ			85m†		0	70	2	B085	M126e
16	DM75L11D	8	9.0MΔ%	MON	2.0%	.70*	TTL	10		0.0	5.0	125nΔ			18m†		-55	125	1	B0875	M346a
17	DM75L11F	8	9.0MΔ%	MON	2.0%	.70*	TTL	10		0.0	5.0	125nΔ			18m†		-55	125	1	B0875	FP88b
18	DM75L11N	8	9.0MΔ%	MON	2.0%	.70*	TTL	10		0.0	5.0	125nΔ			18m†		-55	125	1	B0875	M345
19	DM85L11D	8	9.0MΔ%	MON	2.0%	.70*	TTL	10		0.0	5.0	125nΔ			18m†		0	70	1	B0875	M346a
20	DM85L11F	8	9.0MΔ%	MON	2.0%	.70*	TTL	10		0.0	5.0	125nΔ			18m†		0	70	1	B0875	FP88b
21	DM85L11N	8	9.0MΔ%	MON	2.0%	.70*	TTL	10		0.0	5.0	125nΔ			18m†		0	70	1	B0875	M345
22	DM54L74F	8	11M†%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	120nΔ			10m†		-55	125	2	B0874	FP87a
23	DM54L74J	8	11M†%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	120nΔ			10m†		-55	125	2	B0874	M294b
24	DM74L74F	8	11M†%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	120nΔ			10m†		0	70	2	B0874	FP87a
25	DM74L74J	8	11M†%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	120nΔ			10m†		0	70	2	B0874	M294b
26	DM74L74N	8	11M†%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	120nΔ			10m†		0	70	2	B0874	M344
27▼	SN54LS74J	8	25MØ	MON	2.0%	.70*	TTL	4	11	0.0	5.0	40nΔ			20mΔ	1.0 *	-55	125	2	B0836	M157b
28▼	SN54LS74W	8	25MØ	MON	2.0%	.70*	TTL	4	11	0.0	5.0	40nΔ			20mΔ	1.0 *	-55	125	2	B0836	FP97a
29	DM54H74J	8		MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			250m%				2	B0816	M294b
30	DM54H74N	8		MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			250m%				2	B0816	M344
31	DM74H74J	8		MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			250m%				2	B0816	M294b
32	DM74H74N	8		MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			250m%				2	B0816	M344
33#	MIC5475J	8		MON	2.0%	.80*	TTL	2	10	0.0	5.0	40nΔ			160m†	400m	-55	125	4	B0625	M153a
34#	MIC6475J	8		MON	2.0%	.80*	TTL	2	10	0.0	5.0	40nΔ			160m†	400m	-40	85	4	B0625	M153a
35#	T7474D1	8		MON	2.0%	.80*	TTL	4	20	0.0	5.0	40nΔ			150m§	1.0 Δ	0	70	2	B0836	M294
36#	T7474D2	8		MON	2.0%	.80*	TTL	4	20	0.0	5.0	40nΔ			150m§	1.0 Δ	-55	125	2	B0836	M294
37#	TL7475N	8		MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			278m†		0	70	2	B0625	M117u
38	TRW7474	8	25m	MON	2.0%	.80	TTL	4	20	0.0	7.0	24n			43m	1.0	0	70	2	B0816	
39	RSN54L74H	8	1.0MΔØ	MON	2.0%	.80*	TTL	4		0.0	5.0	150nΔ			15m%		-55	125	2	B0846	FP69b
40	JANM38510/00205BAA	8	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B0816	FP115
41	JANM38510/00205BAB	8	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B0816	FP115
42	JANM38510/00205BAC	8	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B0816	FP115
43	JANM38510/00205BCB	8	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B0816	M314
44	JANM38510/00205BCC	8	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B0816	M314
45	JANM38510/00205BDB	8	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B0816	FP80
46	JANM38510/00205BDC	8	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B0816	FP80
47	JANM38510/00205CAA	8	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B0816	FP115
48	JANM38510/00205CAB	8	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B0816	FP115
49	JANM38510/00205CAC	8	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B0816	FP115
50	JANM38510/00205CCB	8	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B0816	M314
51	JANM38510/00205CCC	8	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B0816	M314
52	JANM38510/00205CDB	8	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B0816	FP80
53	JANM38510/00205CDC	8	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			220m		-55	125	2	B0816	FP80
54#	FJJ131-7474	8	15M	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ			85m†	1.0 Δ	0	70	2	B0838	M126f
55▼#	GFB7474	8	15MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			85m	400m	0	70	2	B0289	TO116
56	RSN5474H	8	20MΔØ	MON	2.0%	.80*	TTL	4		0.0	5.0	150nΔ			140m%		-55	125	2	B0846	FP69b
57	TF80F	8	20M†	MON	2.0%	.80*	TTL	4		0.0	5.0	28n			240m%	400m	-55	125	2		
58	TF80J	8	20M†	MON	2.0%	.80*	TTL	4		0.0	5.0	28n			240m%	400m	-55	125	2		
59	TF81F	8	20M†%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n	5.0n†	3.0n†	96m†		-55	125	2	B0868	TO86
60	TF81J	8	20M†%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n	5.0n†	3.0n†	96m†		-55	125	2	B0868	M157c
61	TF82F	8	20M†	MON	2.0%	.80*	TTL	4		0.0	5.0	28n			240m%	400m	0	75	2		
62	TF82J	8	20M†	MON	2.0%	.80*	TTL	4		0.0	5.0	28n			240m%	400m	0	75	2		
63	TF83F	8	20M†%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n	5.0n†	3.0n†	150m†		0	75	2	B0868	TO86
64	TF83J	8	20M†%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n	5.0n†	3.0n†	150m†		0	75	2	B0868	M157c
65#	M5374P	8	23M*	MON	2.0%	.80*	TTL	4	20	0.0	7.0	25n%			42m†	1.0 Δ	0	75	2	B085	M105j
66	5519	8	25MΔ	PCB	2.0%	.80*	TTL	10	10	0.0	5.0	29n%			750m†		0	70	12		CB62
67#	FLJ141-7474	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			150m§	1.0 Δ	0	70	2	B0840	M126p
68#	FLJ145-8474	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			150m§	1.0 Δ	-25	85	2	B0840	M126p
69	I768	8	25M	PCB	2.0	.80	TTL	4	20	0.0	7.0	24n			172m	1.0	0	70	16		CBØ
70	ITT5474J	8	25MΔ%		2.0%	.80*	TTL	4	20	0.0	5.0	20n			20m†		-55	125	2	B0816	M157
71	ITT7474J	8	25MΔ%		2.0%	.80*	TTL	4	20	0.0	5.0	20n			20m†		0	70	2	B0816	M157
72#	M53274P	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	24n%			42m†	1.0 Δ	0	75	2	B085	M105j
73#	MIC5474J	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			85m†	400m	-55	125	2	B0836	TO116
74#	MIC6474J	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			85m†	400m	-40	85	2	B0836	TO116
75#	MIC7474J	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			85m†	400m	0	75	2	B0836	TO116
76♦#	MIC7474N	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			85m†	400m	0	75	2	B0836	M126x
77#	MIC54174J	8	25MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	17n%			225m%	1.0 Δ	-55	125	6	B0866	M153a
78#	MIC64174J	8	25MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	17n%			225m%	1.0 Δ	-40	85	6	B0866	M153a
79	N74LS74A	8	25M	MON	2.0%	.80*	TTL	4		0.0	5.0	25n			40m		0	70	2	B0846	M318
80	N74LS74F	8	25M	MON	2.0%	.80*	TTL	4		0.0	5.0	25n			40m		0	70	2	B0846	M235a
81♦	N7474A	8	25M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			150m§	1.0 †	0	70	2	B085	M318
82▼	N7474F	8	25M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			150m§	1.0 †	0	70	2	B085	M257f
83	NC7474N	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	24n%			43mΔ	1.0	0	70	2		TO116
84♦	S5474A	8	25M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			150m§	1.0 †	-55	125	2	B085	M318
85▼	S5474F	8	25M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			150m§	1.0 †	-55	125	2	B085	M257f
86▼	S5474W	8	25M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			150m§	1.0 †	-55	125	2	B085	FP39e
87#	SFC474E	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.25	40nΔ			43mΔ	1.0 Δ	0	70	2	B085	TO116
88#	SFC474EM	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.5	40nΔ			43mΔ	1.0 Δ	-55	125	2	B085	TO116
89#	SFC474ET	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.25	40nΔ			43mΔ	1.0 Δ	-25	85	2	B085	TO116
90#	SFC474EV	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.25	40nΔ			43mΔ	1.0 Δ	-40	85	2	B085	TO116

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	SFC474PM	8	25M%	ΔMON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ				1.0 Δ	-55	125	2	B085	T085
2▼	SN74LS74J	8	25MØ	MON	2.0%	.80*	TTL	4	22	0.0	5.0	40nΔ			20mΔ	1.0 *	0	70	2	B0836	M157b
3▼	SN74LS74N	8	25MØ	MON	2.0%	.80*	TTL	4	22	0.0	5.0	40nΔ			20mΔ	1.0 *	0	70	2	B0836	M126e
4	SN5474J	8	25M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	40nΔ				1.0 Δ	-55	125	2	B085	M157b
5	SN5474N	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.5	24n%			43mΔ	1.0	-55	125	2	B085	M75a
6	SN5474W	8	25M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	40nΔ				1.0 Δ	-55	125	2	B085	Δ004AA
7#	SN6474N	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	24n%			43m†	1.0	-40	85	2	B085	M75a
8	SN7474J	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0	7	45nΔ			130m	1.0	0	70	2		M157b
9	SN7474N	8	25MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	24n%			43mΔ	1.0	0	70	2	B085	M126e
10	SW7474J	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.25	24n%			43m	1.0	0	70	2	B085	M114
11	SW7474N	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.25	24n%			43m	1.0	0	70	2	B085	M105n
12#	T7474B1	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	40nΔ			150m§	1.0 Δ	0	70	2	B0836	M126u
13#	TL7474N	8	25M†%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			157m†		0	70	2	B0836	M126n
14	US5474A	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0		18n	8.0n			-55	125	2	B0816	M105b
15	US5474J	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0		18n	8.0n			-55	125	2	B0816	T088
16	US7474A	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0		18n	8.0n			0	70	2	B0816	M105b
17	US7474J	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0		18n	8.0n			0	70	2	B0816	T088
18	JANM38510/02203BCB	8	28MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15n∅		250m		-55	125	2	B0816	M314
19▼	JANM38510/02203BDB	8	28MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15n∅		250m		-55	125	2	B0816	FP116
20	JANM38510/02203CCB	8	28MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15n∅		250m		-55	125	2	B0816	M314
21▼	JANM38510/02203CDB	8	28MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15n∅		250m		-55	125	2	B0816	FP116
22	RSN54H74H	8	30MΔØ	MON	2.0%	.80*	TTL	4		0.0	5.0	150nΔ			225m%		-55	125	2	B0846	FP69b
23	DM5474J	8	35MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			30m%		-55	125	2	B0816	M294b
24	DM5474N	8	35MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			30m%		-55	125	2	B0816	M344
25	DM5474W	8	35MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			30m%		-55	125	2	B0816	FP97a
26	DM7474J	8	35MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			30m%		0	70	2	B0816	M294b
27	DM7474N	8	35MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			30m%		0	70	2	B0816	M344
28▼#	GJB74H74P	8	35MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			150m†	400m	0	70	2	B0836	M126n
29#	MIC74H74J	8	35M%	ΔMON	2.0%	.80	TTL	4	20	0.0	5.0	30nΔ			150m†	1.0 Δ	0	75	2	B085	M157
30	N74H74A	8	35MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ			250m§		0	70	2	B0831	M318
31	N74H74F	8	35MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ			250m§		0	70	2	B0831	M200x
32	S54H74A	8	35MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ			210m§		-55	125	2	B0831	M318
33	S54H74F	8	35MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ			210m§		-55	125		B0831	M200x
34	S54H74W	8	35MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ			210m§		-55	125		B0831	FP39e
35#	SFC474HE	8	35M%	ΔMON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			150m†		0	70	2	B0831	T0116
36#	SFC474HEM	8	35M%	ΔMON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			150m†		-55	125	2	B0831	T0116
37#	SFC474HPM	8	35M%	ΔMON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			150m†		-55	125	2	B0831	T085
38	SN54H74J	8	35M%	ΔMON	2.0%	.80	TTL	4	20	0.0	5.0	30nΔ			150m†		-55	125	2	B085	M157b
39	SN54H74N	8	35M%	ΔMON	2.0%	.80	TTL	4	20	0.0	5.0	30nΔ			150m†		-55	125	2	B085	M126a
40	SN54H74W	8	35M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ			150m†		-55	125	2	B085	Δ004AA
41	SN74H74J	8	35M%	ΔMON	2.0%	.80	TTL	4	20	0.0	5.0	30nΔ			150m†		0	70	2	B085	M157b
42	SN74H74N	8	35M%	ΔMON	2.0%	.80	TTL	4	20	0.0	5.0	30nΔ			150m†		0	70	2	B085	M126e
43	SN74H74W	8	35M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ			150m†		0	70	2	B085	T084
44	TF90F	8	35M†	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
45	TF90J	8	35M†	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
46	TF91F	8	35M†	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
47	TF91J	8	35M†	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
48	TF92F	8	35M†	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
49	TF92J	8	35M†	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
50	TF93F	8	35M†	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
51	TF93J	8	35M†	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
52	US54H74A	8	40MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ	10n	10n			-55	125	2	B0831	M105af
53	US54H74J	8	40MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ	10n	10n			-55	125	2	B0831	T088
54	US74H74A	8	40MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ	10n	10n			0	70	2	B0831	M105af
55	US74H74J	8	40MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ	10n	10n			0	70	2	B0831	T088
56	DM7511J	8	45MΔ%	MON	2.0%	.80*	TTL	5		0.0	5.0	30n			275m%		-55	125	2	B0872	M200r
57	DM7511N	8	45MΔ%	MON	2.0%	.80*	TTL	5		0.0	5.0	30n			275m%		-55	125	2	B0872	M345
58	DM7511W	8	45MΔ%	MON	2.0%	.80*	TTL	5		0.0	5.0	30n			275m%		-55	125	2	B0872	FP88a
59	DM8511J	8	45MΔ%	MON	2.0%	.80*	TTL	5		0.0	5.0	30n			275m%		0	70	2	B0872	M200r
60	DM8511N	8	45MΔ%	MON	2.0%	.80*	TTL	5		0.0	5.0	30n			275m%		0	70	2	B0872	M345
61	DM8511W	8	45MΔ%	MON	2.0%	.80*	TTL	5		0.0	5.0	30n			275m%		0	70	2	B0872	FP88a
62▼	N74S74A	8	90M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	8.0n			150m†	1.0 †	0	70	2	B0846	M318
63▼	N74S74F	8	90M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	8.0n			150m†	1.0 †	0	70	2	B0846	M257f
64▼	S54S74A	8	90M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	8.0n			150m†	1.0 †	-55	125	2	B0846	M318
65▼	S54S74F	8	90M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	8.0n			150m†	1.0 †	-55	125	2	B0846	M257f
66▼	S54S74W	8	90M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	8.0n			150m†	1.0 †	-55	125	2	B0846	FP39e
67	DM74S74N	8	110MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0nΔ			150m†		0	70	2	B0816	M344
68	SN54S74J	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0n			150m†	1.0 Δ	-55	125	2	B0836	M157b
69	SN54S74N	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			150m†	1.0	-55	125	2	B0836	M126e
70	SN54S74W	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			150m†	1.0	-55	125	2	B0836	Δ004AA
71	SN74S74J	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0n			150m†	1.0 Δ	0	70	2	B0836	M157b
72	SN74S74N	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			150m†	1.0	0	70	2	B0836	M126e
73	SN74S74W	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			150m†	1.0	0	70	2	B0836	Δ004AA
74	TF54S74F	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			250m§		-55	125	2	B0846	T086
75	TF54S74J	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			250m§		-55	125	2	B0846	M157c
76	TF74S74F	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			250m§		0	70	2	B0846	T086
77	TF74S74J	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			250m§		0	70	2	B0846	M157c
78	MC3153F	8		MON	2.4%	.40*†	TTL	10	10	0.0	5.0				100m†		-55	125	1	B0828	T086
79	MC3153L	8		MON	2.4%	.40*†	TTL	10	10	0.0	5.0				100m†		-55	125	1	B0828	T0116
80	MC54100F	8		MON	2.4%	.40*†	TTL	5	10	0.0	5.0				320m†		-55	125	2	B0862	FP91
81	MC54100L	8		MON	2.4%	.40*†	TTL	5	10	0.0	5.0				320m†		-55	125	2	B0862	M291
82	MC74100F	8		MON	2.4%	.40*†	TTL	5	10	0.0	5.0	30n%			320m†		0	75	2	B0862	FP91
83	MC74100L	8		MON	2.4%	.40*†	TTL	5	10	0.0	5.0	30n%			320m†		0	75	2	B0862	M291
84	MC74100P	8		MON	2.4%	.40*†	TTL	5	10	0.0	5.0	30n%			320m†		0	75	2	B0862	M237
85	MC3160F	8	30M†	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	17nΔ			120m		-55	125	2	B0810	T086
86	MC3160L	8	30M†%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	17nΔ			120m†	700m	-55	125	2	B0810	T0116
87	MC5479F	8	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n			84m†		-55	125	2	B0810b	T086
88	MC5479L	8	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n			84m†		-55	125	2	B0810	T0116
89	MC7479F	8	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n			84m†		0	70	2	B0810b	T086
90	MC7479L,P%	8	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n			84m†		0	70	2	B0810	T0116
91	MCB5479F	8	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n			84m†		-55	125	2	B0810c	T086
92	MCBC5479	8	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n			84m†		-55	125	2	B0810c	FC3
93	MC54H74AF	8	35M†Ø	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n%			84m†		-55	125	2	B0858	T086
94	MC54H74AL	8	35M†Ø	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n%			84m†		-55	125	2	B0858	T0116
95	MC74H74AF	8	35M†Ø	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n%			84m†		0	75	2	B0858	T086
96	MC74H74AL,P%	8	35M†Ø	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n%			84m†		0	75	2	B0858	T0116
97	N8T10B	8	50MΔ†	MON	2.4%§	.40*†	TTL	8	20	0.0	5.0	24n			619m§		0	75	4	B0881	M317
98	N8T10F	8	50MΔ†	MON	2.4%§	.40*†	TTL	8	20	0.0	5.0	24n			619m§		0	75	4	B0881	M200v
99	N8T10W	8	50MΔ†	MON	2.4%§	.40*†	TTL	8	20	0.0	5.0	24n			619m§		0	75	4	B0881	FP47g
100	S8T10B	8	50MΔ†	MON	2.4%§	.40*†	TTL	8	20	0.0	5.0	24n			619m§		-55	125	4	B0881	M317
101	S8T10F	8	50MΔ†	MON	2.4%§	.40*†	TTL	8	20	0.0	5.0	24n			619m§		-55	125	4	B0881	M200v
102	S8T10W	8	50MΔ†	MON	2.4%§	.40*†	TTL	8	20	0.0	5.0	24n			619m§		-55	125	4	B0881	FP47g
103	MC422F	8	30M%	MON	2.4%	.45*†	TTL	4	12	0.0	5.0	16n%			84m†		0	75	2	B0810a	T086
104	MC422L,P%	8	30M%	MON	2.4%	.45*†	TTL	4	12	0.0	5.0	16n%			84m†		0	75	2	B0810a	T0116
105	MC472F	8	30M%	MON	2.4%	.45*†	TTL	4	6	0.0	5.0	16n			84m†		0	75	2	B0810a	T086
106	MC472L,P%	8	30M%	MON	2.4%	.45*†	TTL	4	6	0.0	5.0	16n			84m†		0	75	2	B0810a	T0116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPA-GATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC522F	8	30M%	MON	2.4%	.45*†	TTL	4	15	0.0	5.0	16n			84m†		-55	125	2	B0810a	T086
2	MC522L	8	30M%	MON	2.4%	.45†*	TTL	4	15	0.0	5.0	16n			84m†		-55	125	2	B0810a	T0116
3	MC572F	8	30M%	MON	2.4%	.45*†	TTL	4	7	0.0	5.0	16n			84m†		-55	125	2	B0810a	T086
4	MC572L	8	30M%	MON	2.4%	.45†*	TTL	4	7	0.0	5.0	16n			84m†		-55	125	2	B0810a	T0116
5	MC3053F	8		MON	2.5%	.40*†	TTL	10	10	0.0	5.0				100m†		0	75	1	B0828	T086
6	MC3053L,P%	8		MON	2.5%	.40*†	TTL	10	10	0.0	5.0				100m†		0	75	1	B0828	T0116
7	MC3060F	8	30M†	MON	2.5%	.40*†	TTL	4	10	0.0	5.0	17nΔ			120m		0	75	2	B0810	T086
8	MC3060L,P%	8	30M†%	MON	2.5%	.40*†	TTL	4	10	0.0	5.0	17nΔ			120m†	700m	0	75	2	B0810	T0116
9	MC4015L	8	30M%	MON	2.5%	.40†*	TTL	10	10	0.0	5.0	16n%			190m†		0	75	1	B0822	M191
10	MC4015P	8	30M%	MON	2.5%	.40*†	TTL	10	10	0.0	5.0	16n%			190m†		0	75	1	B0822	T0116
11	N8275B	8		MON	2.6%	.40†	TTL	2	20	0.0	5.0	16n		50n	265m		-55	125	4	B0820	M117h
12	N8275E	8		MON	2.6%	.40†*	TTL	2	20	0.0	5.0	40nΔ		50n	265m		0	75	4	B0820	M153a
13	N8275R	8		MON	2.6%	.40†	TTL	2	20	0.0	5.0	16n		50n	265m		0	75	4	B0820	FP47c
14	S8275B	8		MON	2.6%	.40†	TTL	2	20	0.0	5.0	16n		50n	265m		-55	125	4	B0820	M117h
15	S8275E	8		MON	2.6%	.40†	TTL	2	20	0.0	5.0	16n		50n	265m		-55	125	4	B0820	M105s
16	S8275R	8		MON	2.6%	.40†	TTL	2	20	0.0	5.0	16n		50n	265m		-55	125	4	B0820	FP47c
17	N8828A	8	25M†%	MON	2.6%	.40*†	TTL	4	20	0	5	24n%		50n	52mΔ	600m	0	75	2	B085	T0116
18	N8828F	8	25M†%	MON	2.6%	.40†*	TTL	4	20	0.0	5.0	24n%		50n	52mΔ	600m	0	75	2	B085	M157
19	N8828J	8	25M†%	MON	2.6%	.40*†	TTL	4	20	0	5	24n%		50n	52mΔ	600m	0	75	2	B085	T088
20	S8828A	8	25M†%	MON	2.6%	.40*†	TTL	4	20	0	5	24n%		50n	52mΔ	600m	-55	125	2	B085	T0116
21	S8828F	8	25M†%	MON	2.6%	.40†*	TTL	4	20	0.0	5.0	24n%		50n	52mΔ	600m	-55	125	2	B085	M157
22	S8828J	8	25M†%	MON	2.6%	.40*†	TTL	4	20	0	5	24n%		50n	52mΔ	600m	-55	125	2	B085	T088
23	54R74	8	80M		2.7	.40	TTL		10	0.0	5.0	15n			250m		-55	125			
24	74R74	8	80M		2.8	.40	TTL		10	0.0	5.0	15n			250m		0	75			
25#	T110B1	8	15MΔ%	MON	3.0	.20	TTL	4	10	0.0	5.0	40nΔ			120m§	1.0 Δ	0	75	2	B0827	M126u
26#	T110D1	8	15MΔ%	MON	3.0	.20	TTL	4	10	0.0	5.0	40nΔ			120m§	1.0 Δ	0	75	2	B0827	M294
27#	T110F1	8	15MΔ%	MON	3.0	.20	TTL	4	10	0.0	5.0	40nΔ			120m§	1.0 Δ	0	75	2	B0827	FP28g
28	TRWF90#1	8		MON	3.3	.26	TTL		10	0.0	5.0	15n	2.0	2.0	150m	900m	-55	125			M157
29	TRWF90#2	8		MON	3.3	.26	TTL		10	0.0	5.0	15n	2.0	2.0	150m	900m	-55	125			M126
30#	ZN5474E	8		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	-55	125	2		M126
31#	ZN5474F	8		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	-55	125	2		T086
32#	ZN5475E	8		MON	3.5	.20	TTL	3	10	0.0	5.0	13n			10m	1.0	-55	125	2		M126
33#	ZN7474E	8		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	0	70	2		M126
34#	ZN7474F	8		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	0	70	2		T086
35#	ZN7475E	8		MON	3.5	.20	TTL	3	10	0.0	5.0	13n			10m	1.0	0	70	2		T086
36	SP328A	8		MON	3.5%	.60†*	TTL	4	7	0.0	5.0	25n%			190m	1.0 Δ	-55	125	2	B0844	T0116
37	JANM38510/00207BAA	8E	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	FP115
38	JANM38510/00207BAB	8E	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	FP115
39	JANM38510/00207BAC	8E	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	FP115
40	JANM38510/00207BCA	8E	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	M314
41	JANM38510/00207BCB	8E	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	M314
42	JANM38510/00207CAA	8E	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	FP115
43	JANM38510/00207CAB	8E	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	FP115
44	JANM38510/00207CAC	8E	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	FP115
45	JANM38510/00207CCA	8E	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	M314
46	JANM38510/00207CCB	8E	5.0MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	M314

5. CLOCK OR MULTIVIBRATOR

IN ORDER OF (1)TYPE OF MV(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF M-V	5 MAX OPERATING FREQ. (Hz)	LOGIC PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MIN. DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (s)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼#	OM802#2	1				.25#				0.0	6.0				165m		-55	125	1	J05109	CN71c
2	XR220M#2	1		MON	9.8%Δ	2.2*†		4		0.0	12		100n†	40n†	750m		-55	125	1	C0121	M294e
3	XR320#2	1		MON	10.4%Δ	1.5*†		4		0.0	12		100n†	40n†	750m		0	75	1	C0121	M294e
4	LM555CH#2	1	100k%		12.5	2.5†		5		0.0	15	1.0u	100n†	100n†	600m		0	70	1	J0598	CN13
5	LM555CN#2	1	100k%		12.5	2.5†		5		0.0	15	1.0u	100n†	100n†	600m		0	70	1	J0598	M239b
6	LM555H#2	1	100k%		12.5	2.5†		5		0.0	15	1.0u	100n†	100n†	600m		-55	125	1	J0598	CN13
7♦	CD4047AD	1		MOS	10	0.0†	CMS	7		5.0	15	150n			200m	4.5 Δ	-55	125	1	C0115	MØ
8♦	CD4047AE	1		MOS	10	0.0†	CMS	7		5.0	15	150n			200m	4.5 Δ	-40	85	1	C0115	MØ
9♦	CD4047AK	1		MOS	10	0.0†	CMS	7		5.0	15	150n			200m	4.5 Δ	-55	125	1	C0115	FPØ
10	CM4047AD	1		MOS	10	0.0	CMS	7		0.0	15	150n			200m	4.5 Δ	-55	125	1	C0115	MØ
11	CM4047AE	1		MOS	10	0.0	CMS	7		0.0	15	150n			200m	4.5 Δ	-40	85	1	C0115	MØ
12	CM4047AF	1		MOS	10	0.0	CMS	7		0.0	15	150n			200m	4.5 Δ	-55	125	1	C0115	FPØ
13#	HBC4047AD	1		MOS	10	0.0†	CMS	7		5.0	15	150n			100u%	4.5 Δ	-55	125	1	C0115	Δ001AD
14#	HBC4047AK	1		MOS	10	0.0†	CMS	7		5.0	15	150n			100u%	4.5 Δ	-55	125	1	C0115	Δ004AF
15#	HBF4047AE	1		MOS	10	0.0†	CMS	7		5.0	15	150n			1.0m%	4.5 Δ	-40	85	1	C0115	Δ001AB
16♦#	H117D1#1	1		MON	8.0%	.60*	DTL	2	25	0.0	20	91uΔ			500m%	5.0	0	75	1	C0114	M443
17♦#	H117D2#1	1		MON	8.0*	6.0*	DTL	2	25	0.0	16	91uΔ			400m%	5.0	-55	125	1	C0114	M443
18♦#	H117D6#1	1		MON	8.0%	6.0*	DTL	2	25	0.0	16	91uΔ			400m%	5.0	-40	85	1	C0114	M443
19♦#	H227B1	1		MON	8.0%	6.0*	DTL	2	25	0.0	16	1.0uΔ			500m%	5.0	0	75	1	C0114	M443
20♦	HEPC0911P-RT	1		MON	12.5%	1.5*†	DTL	1	10	0.0	15		275n	75n	240m†		-30	75	2	C0118	TO116
21	MC1658F	1	175M	MON	-.96%	-1.6*†	ECT	3		5.2	0.0		2.7n	2.7n			-30	85	1	C0116	FP85
22	MC1658L	1	175M	MON	-.96%	-1.6*†	ECT	3		5.2	0.0		2.7n	2.7n			-30	85	1	C0116	M191
23	MC1658P	1	175M	MON	-.96%	-1.6*†	ECT	3		5.2	0.0		2.7n	2.7n			-30	85	1	C0116	M278
24	MC4324L	1	30M%	MON	2.4%	.40*†	TTL	1	7	0.0	5.0				150m†		-55	125	2	C0323	TO116
25	MC4024L,P%	1	30M%	MON	2.5%	.40*†	TTL	1	7	0.0	5.0				150m†		0	75	2	C0323	TO116
26	RM555T#1	1		MON	3.3	.10†	TTL	5		0.0	5.0		100n†	100n†	600m		-55	125	1	C0122	CN13
27	RM556D#1	1		MON	3.3	.10†	TTL	5		0.0	5.0		100n†	100n†	600m		-55	125	2	C0122a	M312
28	RC555DN#1	1		MON	3.3	.25†	TTL	5		0.0	5.0		100n†	100n†	600m		0	70	1	C0122	M239c
29	RC555T#1	1		MON	3.3	.25†	TTL	5		0.0	5.0		100n†	100n†	600m		0	70	1	C0122	CN13
30	RC556D#1	1		MON	3.3	.25†	TTL	5		0.0	5.0		100n†	100n†	600m		0	70	2	C0122a	M312
31	RC556DP#1	1		MON	3.3	.25†	TTL	5		0.0	5.0		100n†	100n†	600m		0	70	2	C0122a	M313
32	T306	1	10M	PCB	5.0	0.0	TTL		30	4.8	5.2				250m		0	70	1		CBØ
33▼	XR555CN#1	1		MON	12.7%	.25*†	TTL	5		0.0	15		100n†	100n†	385m		0	75	1	J0598	M239f
34▼	XR555CP#1	1		MON	12.7%	.25*†	TTL	5		0.0	15		100n†	100n†	300m		0	75	1	J0598	M239f
35♦	XR556CN#2	1		MON	12.7%	.25*†	TTL			0.0	15		100n†	100n†	750m		0	75	2	C0120	M294e
36♦	XR556CP#2	1		MON	12.7%	.25*†	TTL			0.0	15		100n†	100n†	625m		0	75	2	C0120	M294e
37▼	XR2556CN#2	1		MON	12.7%	.25*†	TTL			0.0	15				750m		0	75	2	C0125	M294e
38▼	XR2556CP#2	1		MON	12.7%	.25*†	TTL			0.0	15				625m		0	75	2	C0125	M294e
39▼	XR555M#1	1		MON	13%	.15*†	TTL	5		0.0	15		100n†	100n†	385m		-55	125	1	J0598	M239f
40▼	XR556M#2	1		MON	13%	.15*†	TTL			0.0	15		100n†	100n†	725m		-55	125	2	C0120	M294e
41▼	XR2556M#2	1		MON	13%	.15*†	TTL			0.0	15				750m		-55	125	2	C0125	M294e
42▼	XR2250CN#3	1U		MON			TTL			0.0	15				750m		0	75	1	C0124	M200u
43▼	XR2250CP#3	1U		MON			TTL			0.0	15				625m		0	75	1	C0124	M200u
44▼	XR2250M#3	1U		MON			TTL			0.0	15				750m		-55	125	1	C0124	M200u
45▼	XR2250N#3	1U		MON			TTL			0.0	15				750m		0	75	1	C0124	M200u
46▼	XR2250P#3	1U		MON			TTL			0.0	15				625m		0	75	1	C0124	M200u
47	XR2240CN#3	1U	1.5M%	MON			TTL			0.0	15		180n†	180n†	750m		0	75	1	C0119	M200u
48♦	XR2240CP#3	1U	1.5M%	MON			TTL			0.0	15		180n†	180n†	625m		0	75	1	C0119	M200u
49▼	XR2240M#3	1U	1.5M%	MON			TTL			0.0	15		180n†	180n†	750m		-55	125	1	C0119	M200u
50	XR2240N#3	1U	1.5M%	MON			TTL			0.0	15		180n†	180n†	750m		0	75	1	C0119	M200u
51♦	XR2240P#3	1U	1.5M%	MON			TTL			0.0	15		180n†	180n†	625m		0	75	1	C0119	M200u
52	MMV1Δ	2	4.0	PCB	2.0%	.95*	DTL	2	25	5	5					1.0mΔ	0	70	1	C0210	CB37c
53♦	MMV1Ø	2	100k	PCB	3.0%	.40*	DTL	3	8	0.0	5.0				125m	1.0	0	70	1		CB53
54♦	MMV2	2	100k	PCB	3.0%	.40*	DTL	6	8	0	5.0				125m	1.0u	0	70	2		CB53
55	I306	2	5.0M	PCB	5.0	0.0	DTL	4	25	0.0	5				175m%	1.0			1	C0211	CBØ
56	MC3380P	3	100k†%	MON	2.4	.30				0.0	10		12n†	45n†	300m		0	75	1	C0325	M293a
57♦	CH1050	3	5.0M	MOH	3.5%	.40*†	CMS	1		0.0	5.0				500m		-25	85	1	C0327	M158
58	B401	3	10M	PCB	0.0	-2.5	RCT		8	15	0				1.1		-20	65	1	C0317	CB31
59	R401	3	2.0M	PCB	0.0	-3.0	RCT	1	70	15	10				298m		-20	65	1		CB31
60♦	LCE707	3	1.0M	MOH	6.0	0.0†	RTL			6.0	12	30n					-15	65	1		M45
61♦	LCE305	3	3.0M	MOH	6.0	0.0†	RTL			6.0	12	25n	35n				-40	100	1	C0311	CN27
62♦	LCE407	3	3.0M	MOH	6.0	0.0†	RTL			6.0	12	25n	35n		180m		-40	100	1	C0310	M45
63♦	LCE507	3	5.0M	MOH	6.0	0.0†	RTL			6.0	12	25n					-30	80	1		M45
64#	DN850	3	35kØ	MON	9.0	.40	RTL	1		0.0	12	100n%	200n†	50n†	186m†		-20	75	3	F041	M294
65	M401	3	10M	PCB	2.4	.40	TTL	3	10	0	5.0		15n	150n	325m	1.0	0	70	1		
66	MC4324F	3	30M%	MON	2.4%	.40*†	TTL	1	7	0.0	5.0				150m†		-55	125	2	C0323	TO86
67	MC4024F	3	30M%	MON	2.5%	.40*†	TTL	1	7	0.0	5.0				150m†		0	75	2	C0323	TO86
68♦	MC3456L#1	3	100k†%	MON	12%	2.7*†	TTL			0.0	15		100n†	100n†	1.0		0	70	2	C0326	TO116
69♦	MC3456P#1	3	100k†%	MON	12%	2.7*†	TTL			0.0	15		100n†	100n†	625m		0	70	2	C0326	M157d
70♦	MC3556L#1	3	100k†%	MON	13%	2.2*†	TTL			0.0	15		100n†	100n†	1.0		-55	125	2	C0326	TO116
71	SQXO1	4	100k	MON						0.0	3.0		20n	20n			0	70	1		CN44b
72#	SAJ250A	4	32kΔ	MON	.90	3.0				0.0	3.0						-10	60	1	C0435	TO99
73#	SAJ250AA	4	32kΔ	MON	.90	3.0				0.0	3.0						-10	60	1	C0435	TO99
74#	SAJ250AB	4	32kΔ	MON	.90	3.0				0.0	3.0						-10	60	1	C0435	M226a
75#	SAJ250B	4	32kΔ	MON	.90	3.0				0.0	3.0						-10	60	1	C0435	M226a
76#	SAJ250BA	4	32kΔ	MON	.90	3.0				0.0	3.0						-10	60	1	C0435	M226a
77	CO238	4	30M		2.4%	.40*				0.0	5.0						0	70			M288
78♦	MCO1	4	100k	PCB	3.0%	.40*		5	45	0	5.0				175m	1.0	0	70	1		CB53
79♦	MCO10	4	1.0M	PCB	3.0%	.40*		5	45	0	5.0				175m	1.0	0	70	1		CB53
80▼	MCO50	4	5.0M	PCB	3.0%	.40*		5	45						175m	1.0	0	70	1		CB53
81	MCG1	4	5.0M	PCB	2.5%	.45*	DTL	3	25	0	5.0	35n			180m	1.0 Δ	0	70	1	C0434	CB37c
82	I312	4	5.0M	PCB	5.0	0.0	DTL		25	4.8	5.2		50n	25n	125m	1.0	0	70	1	C0430	CBØ
83	530	4	100k	PCB	5.0	.45	DTL	1	25	0	5.0		30n	25n			0	70	1	C0429	CB55
84	530A	4	1.0M	PCB	5.0	.45	DTL	1	25	0	5.0		30n	25n			0	70	1	C0429	CB55
85	530B	4	5.0M	PCB	5.0	.45	DTL	1	25	0	5.0		30n	25n			0	70	1	C0429	CB55
86	530C	4	10M	PCB	5.0	.45	DTL	1	25	0	5.0		30n	25n			0	70	1	C0429	CB55
87	823	4	5.0M	PCB	5.6	.20	DTL	1	50	12	12				546m	1.5 *	0	70	1	C0425	CB50
88	823A	4	10M	PCB	5.6	.20	DTL	1	50	12	12				546m		0	70	1	C0425	CB50
89	CO233M	4	150M	PCB			ECT		10	28	0.0						-55	85			M253
90	DQXO1	4	200k	TFH	6.0	0.0	MOS		10	0.0	6.0		5.0u	5.0u	2.0m%		-55	125	1		CN44b
91	DQXO1F	4	200k	TFH	6.0	0.0	MOS		10	0.0	6.0		5.0u	5.0u	2.0m%		-55	125	1		FP116
92	LQXO1	4	200k	TFH	6.0	0.0	MOS		10	0.0	6.0		5.0u	5.0u	2.0m%		-55	125	1		CN44b
93	LQXO1F	4	200k	TFH	6.0	0.0	MOS		10	0.0	6.0		5.0u	5.0u	2.0m%		-55	125	1		FP116
94	CO236	4	2M	PCB	10	0.0	MOS		10	9.0	11						-55	85			M250
95	DQXO2	4	200k	TFH	12	0.0	MOS		10	0.0	12		5.0u	5.0u	5.0m%		-55	125	1		CN44b
96	DQXO2F	4	200k	TFH	12	0.0	MOS		10	0.0	12		5.0u	5.0u	5.0m%		-55	125	1		FP116
97	LQXO2	4	200k	TFH	12	0.0	MOS		10	0.0	12		5.0u	5.0u	5.0m%		-55	125	1		CN44b
98	LQXO2F	4	200k	TFH	12	0.0	MOS		10	0.0	12		5.0u	5.0u	5.0m%		-55	125	1		FP116
99	R405	4	2.0M	PCB	0.0	-3.0	RCT		70	15	10				804m		-20	65	1	C0415a	CB31
100	B405	4	10M	PCB	2.5	0.0	RCT		8	15	10				1.5		-20	65	1	C0415a	CB31
101	T110	4	250k	3DM	-3.0	-11	RCT	1		12	0.0		600n		260m		-45	65	1		M17
102	MC12060L	4	2.0M	MON	2.4%	.50*†	TTL	2		0.0	5.0	4.3n%	4.0n	4.0n			0	70	1	C0437	M191
103	MC12060P	4	2.0M	MON	2.4%	.50*†	TTL	2		0.0	5.0	4.3n%	4.0n	4.0n			0	70	1	C0437	M278
104	MC12560L	4	2.0M	MON	2.4%	.50*†	TTL	2		0.0	5.0	4.3n%	4.0n	4.0n			-55	125	1	C0437	M191
105	MC12061L	4	20M	MON	2.4%	.50*†	TTL	2		0.0	5.0	4.3n%	4.0n	4.0n			0	70	1	C0437	M191
106	MC12061P	4	20M	MON	2.4%	.50*†	TTL	2		0.0	5.0	4.3n%	4.0n	4.0n			0	70	1	C0437	M278
107	MC12561L	4	20M	MON	2.4%	.50*†	TTL	2		0.0	5.0	4.3n%	4.0n	4.0n			-55	125	1	C0437	M191
108♦#	SP705B	4	10M	MON	2.6%	.40†*	TTL	4		0.0	5.0		20n	20n	175m%		0	70	1	C0438	M257a
109	CO231L	4	30M	PCB	3.0%	.40*	TTL		10	4.5	5.5						-55	85			M250a

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

5. CLOCK OR MULTIVIBRATOR

IN ORDER OF (1)TYPE OF MV(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	[6] TYPE No.	[1] TYPE OF M-V	[5] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [3] '1' (V)	LOGIC LEVEL [4] '0' (V)	LOGIC TYPE [2]	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MIN. DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (s)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	CO232	4	30M	PCB	3.0%	.40*	TTL		10	4.5	5.5						-55	85			M250b
2	CO235	4	30M	PCB	3.0%	.40*	TTL		10	4.5	5.5						-55	85			M251
3	CO231	4	100M	PCB	3.0%	.40*	TTL		10	4.5	5.5						-55	85			M250
4	SQXO2	4	200k	TFH	5.0	0.0	TTL		2	0.0	5.0		1.0u	1.0u	15m%		-55	125	1		CN44b
5	T300	4	10M	PCB	5.0	0.0	TTL		30	4.8	5.2				265m		0	70	1		CB☑
6	531	6	100k	PCB	5.0	.45	DTL	8Δ	25	0	5.0		30n	25n			0	70	1	C066	CB55
7	531A	6	1.0M	PCB	5.0	.45	DTL	8Δ	25	0	5.0		30n	25n			0	70	1	C066	CB55
8	MC1648F#2	6	225M%	MON	-.96%	-1.6*†	ECT	2		5.2	0.0				150m†		-30	85	1	C0612	TO86
9	MC1648L,P#2	%																			
		6	225M%	MON	-.96%	-1.6*†	ECT	2		5.2	0.0				150m†		-30	85	1	C0612	TO116
10	MC1648F#1	6	225M%	MON	4.04%	3.43*†	ECT	2		0.0	5.0				150m†		-30	85	1	C0612	TO86
11	MC1648L,P#1	%																			
		6	225M%	MON	4.04%	3.43*†	ECT	2		0.0	5.0				150m†		-30	85	1	C0612	TO116
12	531T	6	20M	PCB	5.5	0.0	TTL	1	30	0	5.0						0	70	1		
13	LM175D	6C	200M%	MON	2.1%	.40†*		2†		0.0	5.0		50n	50n	500m		-55	125	3	C0613	M297a
14	LM275D	6C	200M%	MON	2.1%	.40†*		2†		0.0	5.0		50n	50n	500m		-25	85	3	C0613	M297a
15	LM375D	6C	200M%	MON	2.1%	.40†*		2†		0.0	5.0		50n	50n	500m		0	70	3	C0613	M297a
16	LM375N	6C	200M%	MON	2.1%	.40†*		2†		0.0	5.0		50n	50n	500m		0	70	3	C0613	M126m
17▼	SN54LS324J	7	20M	MON	2.0%	.70*	TTL			0.0	5.0	30n			90m†		-55	125	1	C072	M157b
18▼	SN54LS324W	7	20M	MON	2.0%	.70*	TTL			0.0	5.0	30n			90m†		-55	125	1	C072	FP97a
19	SN54LS124J	7	35M	MON	2.0%	.70*	TTL	5	30	0.0	5.0	30n			110m†	300m	-55	125	2	C071	M153d
20	SN54LS124W	7	35M	MON	2.0%	.70*	TTL	5	30	0.0	5.0	30n			110m†	300m	-55	125	2	C071	Δ004AG
21▼	SN74LS324J	7	20M	MON	2.0%	.80*	TTL			0.0	5.0	30n			90m†		0	70	1	C072	M157b
22▼	SN74LS324N	7	20M	MON	2.0%	.80*	TTL			0.0	5.0	30n			90m†		0	70	1	C072	M126e
23	SN74LS124J	7	35M	MON	2.0%	.80*	TTL	5	60	0.0	5.0	30n			110m†	400m	0	70	2	C071	M153d
24	SN74LS124N	7	35M	MON	2.0%	.80*	TTL	5	60	0.0	5.0	30n			110m†	400m	0	70	2	C071	M117x
25	SN54S124J	7	60M	MON	2.0%	.80	TTL	5	30	0.0	5.0	70n			525m†	300m	-55	125	2	C071	M153d
26	SN54S124W	7	60M	MON	2.0%	.80	TTL	5	30	0.0	5.0	70n			525m†	300m	-55	125	2	C071	Δ004AG
27	SN74S124J	7	60M	MON	2.0%	.80*	TTL	5	60	0.0	5.0	70n			525m†	400m	0	70	2	C071	M153d
28	SN74S124N	7	60M	MON	2.0%	.80*	TTL	5	60	0.0	5.0	70n			525m†	400m	0	70	2	C071	M117x

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	MPC2D	1	2.0M	PCB	3.0%	.40*		12	16	0.0	5.0	75n			250m	1.0	0	70	2	E066	CB53
2#	FEJ271	1	1.5MΔ	MON	-2.0%	-10*		4		21	0.0		1.0m				-10	75	1	E0170	M117q
3▼	CD4510BE	1	4.0MΔ	MON	15%	.05*		9		0.0	15	280nΔ			200m		-40	85	1	E01108	Δ001AC
4▼#	MSM5503	1	2.0M%Δ	MOS	3.6%	.80*	CMS	10	15	0.0	5.0	1.0uΔ	5.0u	5.0u	250u§		-20	70	1	E01105	M256a
5▼#	MSM5505	1	2.0M%Δ	MOS	3.6%	.80*	CMS	15	15	0.0	5.0	1.0uΔ	5.0u	5.0u	250u§		-20	70	1	E01106	M396a
6▼#	MSM5535	1	2.0M%Δ	MOS	3.6%	.80*	CMS	6	15	0.0	5.0	1.0uΔ	5.0u	5.0u	250u§		-20	70	1	E01104	M318a
7	CM4102AD	1		MOS	4.0%	1.0*	CMS			0.0	5.0				200m		-55	125	1	E0189	M210b
8	CM4102AE	1		MOS	4.0%	1.0*	CMS			0.0	5.0				200m		-40	85	1	E0189	M210b
9	CM4102AF	1		MOS	4.0%	1.0*	CMS			0.0	5.0				200m		-55	125	1	E0189	FP☑
10▼	CD40102AD	1	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n			200m		-55	125	1	E01109	Δ001AE
11▼	CD40102AE	1	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n			200m		-55	125	1	E01109	Δ001AC
12▼	CD40102AF	1	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n			200m		-55	125	1	E01109	Δ001AC
13▼	CD40102AK	1	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n			200m		-55	125	1	E01109	Δ004AG
14▼	CD40102AY	1	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n			200m		-55	125	1	E01109	Δ001AC
15	CD4033AF	1	5.0MΔ%	MOS	9.99%	.01*†	CMS	5		0.0	10	500nΔ	15u	15u	100u%	4.5 Δ	-55	125	1	E058	Δ001AC
16	MC14522AL	1	5.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	250nΔ	50nt	50nt	100u%		-55	125	1	E0177	M200w
17	MC14522CL	1	5.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	300nΔ	50nt	50nt	1.0m%		-40	85	1	E0177	M200w
18	MC14522CP	1	5.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	300nΔ	50nt	50nt	1.0m%		-40	85	1	E0177	M117y
19	MC14553AL	1	5.0MΔ%	MOS	9.99%	.01*†	CMS	6		0.0	10	500n	100n	75n	100u%		-55	125	1	E0183	M200w
20	MC14553CL	1	5.0MΔ%	MOS	9.99%	.01*†	CMS	6		0.0	10	500n	125n	110n	1.0m%		-40	85	1	E0183	M200w
21	MC14553CP	1	5.0MΔ%	MOS	9.99%	.01*†	CMS	6		0.0	10	500n	125n	110n	1.0m%		-40	85	1	E0183	M117y
22	SCL4426AC	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m%	4.5	-55	125	1	E057	M475d
23	SCL4426AD	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m%	4.5	-55	125	1	E057	M475e
24	SCL4426AE	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m%	4.5	-40	85	1	E057	M475f
25	SCL4426AF	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m%	4.5	-55	125	1	E057	FP111
26	SCL4426AH	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m%	4.5	-55	125	1	E057	FC☑
27	SCL4433AC	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m%	4.5 Δ	-55	125		E058	M475d
28	SCL4433AD	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m%	4.5 Δ	-55	125		E058	M475e
29	SCL4433AE	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m%	4.5 Δ	-40	85		E058	M475f
30	SCL4433AF	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m%	4.5 Δ	-55	125		E058	FP111
31	SCL4433AH	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m%	4.5 Δ	-55	125		E058	FC☑
32	CD4518BH	1	6.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	260nΔ			200m	4.5 Δ	-55	125	2	E0198	FC☑
33♦	MC14510AL	1	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	100n%	75nt	75nt	100u%		-55	125	1	E0173	M191
34♦	MC14510CL	1	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	100n%	110nt	110nt	1.0m%		-40	85	1	E0173	M191
35♦	MC14510CP	1	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	100n%	110nt	110nt	1.0m%		-40	85	1	E0173	M278
36♦	MC14516AL	1	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	40n%	25nt	25nt	1.0u%		-55	125	1	E0174	M191
37♦	MC14516CL	1	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	40n%	25nt	25nt	1.0u%		-40	85	1	E0174	M191
38♦	MC14516CP	1	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	40n%	25nt	25nt	1.0u%		-40	85	1	E0174	M278
39♦	MC14518AL	1	6.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	100n%	75n	75n	4.0u%		-55	125	2	E0175	M191
40♦	MC14518CL	1	6.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	100n%	110n	110n	4.0u%		-40	85	2	E0175	M191
41♦	MC14518CP	1	6.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	100n%	110n	110n	4.0u%		-40	85	2	E0175	M278
42	SCL4510AC	1	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125		E0199	M475d
43	SCL4510AD	1	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125		E0199	M475e
44	SCL4510AE	1	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-40	85		E0199	M475f
45	SCL4510AF	1	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125		E0199	FP111
46	SCL4510AH	1	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125		E0199	FC☑
47	SCL4518AC	1	10M%	MOS	9.99%	.01*†	CMS	3		0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-55	125	2	E0175	M475d
48	SCL4518AD	1	10M%	MOS	9.99%	.01*†	CMS	3		0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-55	125	2	E0175	M475e
49	SCL4518AE	1	10M%	MOS	9.99%	.01*†	CMS	3		0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-40	85	2	E0175	M475f
50	SCL4518AF	1	10M%	MOS	9.99%	.01*†	CMS	3		0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-55	125	2	E0175	FP111
51	SCL4518AH	1	10M%	MOS	9.99%	.01*†	CMS	3		0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-55	125	2	E0175	FC☑
52♦	CD4033AD	1	5.0MΔ%	MOS	10	0.0†	CMS	5	50	0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E058	Δ001AE
53♦	CD4033AE	1	5.0MΔ%	MOS	10	0.0†	CMS	5	50	0.0	10	700nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E058	Δ001AC
54♦	CD4033AK	1	5.0MΔ%	MOS	10	0.0†	CMS	5	50	0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E058	Δ004AG
55#	HBC4033AD	1	5.0MΔ%	MOS	10	0.0†	CMS	5	50	0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E058	Δ001AE
56#	HBC4033AF	1	5.0MΔ%	MOS	10	0.0†	CMS	5	50	0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E058	Δ001AE
57#	HBC4033AK	1	5.0MΔ%	MOS	10	0.0†	CMS	5	50	0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E058	Δ004AG
58#	HBF4033AE	1	5.0MΔ%	MOS	10	0.0†	CMS	5	50	0.0	10	700nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E058	Δ001AC
59#	HBF4033AF	1	5.0MΔ%	MOS	10	0.0†	CMS	5	50	0.0	10	700nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E058	Δ001AE
60	CD4518BD	1	6.0M%	MOS	10	0.0	CMS	3		0.0	10	260nΔ			200m	4.5 Δ	-55	125	2	E0198	Δ001AE
61	CD4518BE	1	6.0M%	MOS	10	0.0	CMS	3		0.0	10	260nΔ			200m	4.5 Δ	-40	85	2	E0198	Δ001AB
62	CD4518BF	1	6.0M%	MOS	10	0.0	CMS	3		0.0	10	260nΔ			200m	4.5 Δ	-55	125	2	E0198	Δ001AC
63	CD4518BK	1	6.0M%	MOS	10	0.0	CMS	3		0.0	10	260nΔ			200m	4.5 Δ	-55	125	2	E0198	Δ004AG
64▼	CD40102BD	1		MOS	15%	.05*†	CMS			0.0	15	250nΔ			200m		-55	125	1	E01109	Δ001AE
65▼	CD40102BE	1		MOS	15%	.05*†	CMS			0.0	15	250nΔ			200m		-55	125	1	E01109	Δ001AC
66▼	CD40102BF	1		MOS	15%	.05*†	CMS			0.0	15	250nΔ			200m		-55	125	1	E01109	Δ001AC
67▼	CD40102BK	1		MOS	15%	.05*†	CMS			0.0	15	250nΔ			200m		-55	125	1	E01109	Δ004AG
68▼	CD40102BY	1		MOS	15%	.05*†	CMS			0.0	15	250nΔ			200m		-55	125	1	E01109	Δ001AC
69♦	9989DC	1		MON	1.2%	.45†*	DTL	2	4†	0.0	6.0	90n			385m		0	75	1	E0136	TO116
70♦	9989HC	1		MON	1.2%	.45†*	DTL	2	4†	0.0	6.0	90n			385m		0	75	1	E0136	TO99
71♦	9958DC	1	2.0M	MON	1.2%	.45†*	DTL	2	5	0.0	6.0				140m		0	75	1	E0110	TO116
72♦	9958HC	1	2.0M	MON	1.2%	.45†*	DTL	2	5	0.0	6.0				140m		0	75	1	E0110	TO99
73	SW938-2P	1	30M%	MON	2.0%	1.2*	DTL	6	8†	0.0	8.0				150m	1.0	-55	125	1		
74	MC938F	1	30M%	MON	2.6%	.40*	DTL	6	32	0.0	5.0				150mt	1.0	-55	125	1	E0135a	TO86
75	MC938L	1	30M%	MON	2.6%	.40*	DTL	6	32	0.0	5.0				150mt	1.0	-55	125	1	E0135a	TO116
76	HEPC1038P-RT	1	30M%	MON	2.60%	.45*†	DTL	6	8	0.0	5.0				150mt	1.0 Δ	0	75	1	E0135	TO116
77	MC838F	1	30M%	MON	2.6%	.45*	DTL	6	32	0.0	5.0				150mt	1.0	0	75	1	E0135a	TO86
78	MC838L,P%	1	30M%	MON	2.6%	.45*	DTL	6	32	0.0	5.0				150mt	1.0	0	75	1	E0135a	TO116
79	MSC2D	1		PCB	4.0	.40	DTL			0.0	5.0	25n			1.2 †		0	55	2		
80	I111	1	5.0M	PCB	5.0	0.0	DTL	5	9	0.0	5.0	50n		50n	750m%	1.0			1	E0143	CB☑
81	373AJ	1		MON	6.5*	5.0%	DTL	10		0.0	15					3.2	-30	70	1	E0148	M319
82	373AL	1		MON	6.5*	5.0%	DTL	10		0.0	15					3.2	-30	70	1	E0148	M200j
83	373BL	1		MON	6.5*	5.0%	DTL	10		0.0	12					3.5	-55	125	1	E0148	M200j
84	373CJ	1		MON	6.5*	5.0%	DTL	10		0.0	12					3.5	-30	85	1	E0148	M319
85	373CL	1		MON	6.5*	5.0%	DTL	10		0.0	15					3.2	-30	85	1	E0148	M200j
86	373ML	1		MON	6.5*	5.0%	DTL	10		0.0	15					3.2	-55	125	1	E0148	M200j
87	371AJ	1	1.0Mt%	MON	6.5*	5.0%	DTL	8	5	0.0	15	800nΔ			795mt	3.2	-30	70	1	E0149	M319
88	371AL	1	1.0Mt%	MON	6.5*	5.0%	DTL	8	5	0.0	15	800nΔ			795mt	3.2	-30	70	1	E0149	M200j
89	371BL	1	1.0Mt%	MON	6.5*	5.0%	DTL	8	5	0.0	12	800nΔ			492mt	3.5	-55	125	1	E0149	M200j
90	371CL	1	1.0Mt%	MON	6.5*	5.0%	DTL	8	5	0.0	12	800nΔ			492mt	3.5	-30	85	1	E0149	M200j
91	371ML	1	1.0Mt%	MON	6.5*	5.0%	DTL	8	5	0.0	15	800nΔ			795mt	3.2	-55	125	1	E0149	M200j
92	371CJ	1	2.0M	MON	6.5*	5.0%	DTL	8	4	0.0	12	300n	100n	120n	350m	5.0 Δ	-30	85	1	E0149	M319
93	372CJ	1	2.0M	MON	6.5*	5.0%	DTL	8	4	0.0	12	300n	100n	120n	350m	5.0 Δ	-30	85	1	E0150	M319
94#	MIC371-1D	1	2.0M	MON	6.5%	5.0*	DTL	7	5	0.0	12						-55	125	1	E0149	M200d
95#	MIC371-1D1	1	2.0M	MON	6.5%	5.0*	DTL	7	5	0.0	15						-55	125	1	E0149	M200d
96#	MIC371-5D	1	2.0M	MON	6.5%	5.0*	DTL	7	5	0.0	12						-30	85	1	E0149	M200d
97#	MIC371-5D1	1	2.0M	MON	6.5%	5.0*	DTL	7	5	0.0	15						-30	70	1	E0149	M200d
98#	MIC372-1D	1	2.0M	MON	6.5%	5.0*	DTL	7	5	0.0	12						-55	125	1	E0150	M200d
99#	MIC372-1D1	1	2.0M	MON	6.5%	5.0*	DTL	7	5	0.0	15						-55	125	1	E0150	M200d
100#	MIC372-5D	1	2.0M	MON	6.5%	5.0*	DTL	7	5	0.0	12						-30	85	1	E0150	M200d
101#	MIC372-5D1	1	2.0M	MON	6.5%	5.0*	DTL	7	5	0.0	15						-30	70	1	E0150	M200d
102♦#	FZJ141	1	500k%	MON	7.5%	4.5*	DTL	8	10	0.0	12	200nt	140nt	60nt	240m§	5.0 Δ	0	70	1	E0169	M117aa
103▼#	FZJ141A	1	500k%	MON	7.5%	4.5*	DTL	9	10	0.0	12	200nt			240m§	5.0 Δ	0	70	1	E01103	M117aa
104♦#	FZJ145	1	500k%	MON	7.5%	4.5*	DTL	8	10	0.0	12	200nt	140nt	60nt	240m§	5.0 Δ	-25	85	1	E0169	M117aa
105▼#	FZJ145A	1	500k%	MON	7.5%	4.5*	DTL	9	10	0.0	12	200nt			240m§	5.0 Δ	-25	85	1	E01103	M117aa
106♦#	H157D1	1	1.0M%	MON	8.0%	6.0*	DTL	7	25	0.0	20	600nΔ			720m§	5.0 Δ	0	75	1	E0162	M294
107♦#	H157D2	1	1.0M%	MON	8.0%	6.0*	DTL	7	25	0.0	16	600nΔ			352m§	5.0 Δ	-55	125	1	E0162	M294
108♦#	H157D6	1	1.0M%	MON	8.0%	6.0*	DTL	7	25	0.0	20	600nΔ			720m§	5.0 Δ	-40	80	1	E0162	M443a
109♦#	H257B1	1	1.0M%	MON	8.0%	6.0*	DTL	7	25	0.0	16	600nΔ			720m%	5.0	0	70	1	E0162	M443
110	9306DC	1	27M%		1.7%	.85*	TTL	14		0.0	5.0	60nΔ			480m%		0	75	1	E0146	M246

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	9306DM	1	27M%		1.7%	.85*	TTL	14		0.0	5.0	60nΔ			455m%		-55	125	1	E0146	M246
2	9306FM	1	27M%		1.7%	.85*	TTL	14		0.0	5.0	60nΔ			455m%		-55	125	1	F0146	FP105
3	9306PC	1	27M%		1.7%	.85*	TTL	14		0.0	5.0	60nΔ			480m%		0	75	1	E0146	M197a
4#	MIC64160J	1	15M%	MON	1.7%	.90*	TTL	4	6	0.0	5.0	20n			300m†		-40	85	1	E0147	M153a
5	9310FC	1	15M%	MON	1.8%	.85*	TTL	12	6	0.0	5.0	35nΔ			300m†	400m	0	70	1	E0147	FP47a
6	5524C	1	20MΔ	PCB	2.0%	.45*	TTL	8	10	0.0	7.0	37nΔ			975m†		0	70	3		CB62
7	5523A	1	25MΔ	PCB	2.0%	.45*	TTL	9	10	0.0	7.0	23n			975m†		0	70	3		CB62
8	5523C	1	25MΔ	PCB	2.0%	.45*	TTL	9	10	0.0	7.0	23n			975m†		0	70	3		CB62
9	5524A	1	25MΔ	PCB	2.0%	.45*	TTL	8	10	0.0	7.0	35n			975m†		0	70	3	E0276	CB62
10	5522A	1	50MΔ%	PCB	2.0%	.45*	TTL	6	10	0.0	5.0	38n			1.0 †		0	70	4		CB62
11	SN54L192J	1	7.0M%	MON	2.0%	.70*	TTL	8	10	0.0	5.0	135n%			43m†	1.0 Δ	-55	125	1	E0329	M153d
12	SN74L192J	1	7.0M%	MON	2.0%	.70*	TTL	8	10	0.0	5.0	135n%			43m†	1.0 Δ	0	70	1	E0329	M153d
13	SN74L192N	1	7.0M%	MON	2.0%	.70*	TTL	8	10	0.0	5.0	135n%			43m†	1.0 Δ	0	70	1	E0329	M117x
14	DM54L90F	1	11MΔ%	MON	2.0%	.70*	TTL	5	20	0.0	5.0	300nΔ			20m†		-55	125	1	E0131	FP87a
15	DM54L90J	1	11MΔ%	MON	2.0%	.70*	TTL	5	20	0.0	5.0	300nΔ			20m†		-55	125	1	E0131	M294b
16	DM54L90N	1	11MΔ%	MON	2.0%	.70*	TTL	5	20	0.0	5.0	300nΔ			20m†		-55	125	1	E0131	M344
17	DM74L90F	1	11MΔ%	MON	2.0%	.70*	TTL	5	20	0.0	5.0	300nΔ			20m†		0	70	1	E0131	FP87a
18	DM74L90J	1	11MΔ%	MON	2.0%	.70*	TTL	5	20	0.0	5.0	300nΔ			20m†		0	70	1	E0131	M294b
19	DM74L90N	1	11MΔ%	MON	2.0%	.70*	TTL	5	20	0.0	5.0	300nΔ			20m†		0	70	1	E0131	M344
20	DM54L192F	1	12MΔ%	MON	2.0%	.70*	TTL	10	20	0.0	5.0	150nΔ			40m†		-55	125	1	E0329	FP88b
21	DM54L192J	1	12MΔ%	MON	2.0%	.70*	TTL	10	20	0.0	5.0	150nΔ			40m†		-55	125	1	E0329	M200r
22	DM54L192N	1	12MΔ%	MON	2.0%	.70*	TTL	10	20	0.0	5.0	150nΔ			40m†		-55	125	1	E0329	M345
23	DM74L192F	1	12MΔ%	MON	2.0%	.70*	TTL	10	20	0.0	5.0	150nΔ			40m†		0	70	1	E0329	FP88b
24	DM74L192J	1	12MΔ%	MON	2.0%	.70*	TTL	10	20	0.0	5.0	150nΔ			40m†		0	70	1	E0329	M200r
25	DM74L192N	1	12MΔ%	MON	2.0%	.70*	TTL	10	20	0.0	5.0	150nΔ			40m†		0	70	1	E0329	M345
26	93L10DC	1	13M%	MON	2.0%	.70*	TTL	9		0.0	5.0	95nΔ			75m†		0	75	1	E0147	M246
27	93L10DM	1	13M%	MON	2.0%	.70*	TTL	9		0.0	5.0	95nΔ			75m†		-55	125	1	E0147	M246
28	93L10FM	1	13M%	MON	2.0%	.70*	TTL	9		0.0	5.0	95nΔ			75m†		-55	125	1	E0147	FP79b
29	93L10PC	1	13M%	MON	2.0%	.70*	TTL	9		0.0	5.0	95nΔ			75m†		0	75	1	E0147	M357
30	DM76L75F	1	13M%	MON	2.0%	.70*	TTL	10		0.0	5.0	140nΔ			32m†		-55	125	1	E0179a	FP88b
31	DM76L75J	1	13M%	MON	2.0%	.70*	TTL	10		0.0	5.0	140nΔ			32m†		-55	125	1	E0179a	M200r
32	DM76L75N	1	13M%	MON	2.0%	.70*	TTL	10		0.0	5.0	140nΔ			32m†		-55	125	1	E0179a	M345
33	DM86L75F	1	13M%	MON	2.0%	.70*	TTL	10		0.0	5.0	140nΔ			32m†		0	70	1	E0179a	FP88b
34	DM86L75J	1	13M%	MON	2.0%	.70*	TTL	10		0.0	5.0	140nΔ			32m†		0	70	1	E0179a	M200r
35	DM86L75N	1	13M%	MON	2.0%	.70*	TTL	10		0.0	5.0	140nΔ			32m†		0	70	1	E0179a	M345
36	93L60DC	1	23M%		2.0%	.70*	TTL	10		0.0	5.0	75nΔ			85m†		0	75	1	E0171	M224c
37	93L60DM	1	23M%		2.0%	.70*	TTL	10		0.0	5.0	75nΔ			85m†		-55	125	1	E0171	M224c
38	93L60FM	1	23M%		2.0%	.70*	TTL	10		0.0	5.0	75nΔ			85m†		-55	125	1	E0171	M357
39	93L60PC	1	23M%		2.0%	.70*	TTL	10		0.0	5.0	75nΔ			85m†		0	75	1	E0171	FP79b
40	SN54LS160J	1	25MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	38nΔ			93m†	300m	-55	125	1	E0166	M153d
41	SN54LS160W	1	25MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	38nΔ			93m†	300m	-55	125	1	E0166	Δ004AG
42	SN54LS162J	1	25MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	38nΔ			93m†	300m	-55	125	1	E0166	M153d
43	SN54LS162W	1	25MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	38nΔ			93m†	300m	-55	125	1	E0166	Δ004AG
44	SN54LS192J	1	32MΔ%	MON	2.0%	.70*	TTL	8		0.0	5.0	47nΔ			85m%		-55	125	1	E0329	M153d
45	SN54LS192W	1	32MΔ%	MON	2.0%	.70*	TTL	8		0.0	5.0	47nΔ			85m%		-55	125	1	E0329	Δ004AG
46	SN74LS192J	1	32MΔ%	MON	2.0%	.70*	TTL	8		0.0	5.0	47nΔ			85m%		0	70	1	E0329	M153d
47	SN74LS192N	1	32MΔ%	MON	2.0%	.70*	TTL	8		0.0	5.0	47nΔ			85m%		0	70	1	E0329	Δ004AG
48	SN54LS196J	1	50MΔ	MON	2.0%	.70*	TTL	8	20	0.0	5.0	28nΔ			60m%	1.0 Δ	-55	125	1	E0157a	M157b
49	SN54LS196W	1	50MΔ	MON	2.0%	.70*	TTL	8	20	0.0	5.0	28nΔ			60m%	1.0 Δ	-55	125	1	E0157a	Δ004AA
50	SN74LS196J	1	50MΔ	MON	2.0%	.70*	TTL	8	20	0.0	5.0	28nΔ			60m%	1.0 Δ	0	70	1	E0157a	M157b
51	SN74LS196N	1	50MΔ	MON	2.0%	.70*	TTL	8	20	0.0	5.0	28nΔ			60m%	1.0 Δ	0	70	1	E0157a	M126e
52	9310PC	1		MON	2.0%	.80*	TTL	10	6	0.0	5.0	50nΔ			470m%		0	75	1	E0147	M357
53#	M53392P	1		MON	2.0%	.80*	TTL	8	60	0.0	7.0					1.0 Δ	0	75	1	E0148	M153b
54#	SFC4192E	1	32m%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325m†		0	70	1	E0148	M117
55#	FJJ141-7490	1	10M	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			160m†	1.0 Δ	0	70	1	E0159	M126f
56▼	JANM38510/01307BCA	1	10MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.5	81nΔ			268m		-55	125	1	E01100	M314
57▼	JANM38510/01307BCB	1	10MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.5	81nΔ			268m		-55	125	1	E01100	M314
58▼	JANM38510/01307CCA	1	10MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.5	81nΔ			268m		-55	125	1	E01100	M314
59▼	JANM38510/01307CCB	1	10MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.5	81nΔ			268m		-55	125	1	E01100	M314
60	9310DC	1	15M%	MON	2.0%	.80*	TTL	10	6	0.0	5.0	50nΔ			470m%	400m	0	70	1	E0147	M224c
61	9310DM	1	15M%	MON	2.0%	.80*	TTL	10	6	0.0	5.0	50nΔ			470m%	400m	-55	125	1	E0147	M224c
62	9310FM	1	15M%	MON	2.0%	.80*	TTL	10	6	0.0	5.0	50nΔ			470m%	400m	-55	125	1	E0147	FP79b
63♦	N7490A	1	18M%	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			265m§	1.0 †	0	70	1	E0140	M318
64▼	N7490F	1	18M%	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			265m§	1.0 †	0	70	1	E0140	M257f
65♦	S5490A	1	18M%	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			230m§	1.0 †	-55	125	1	E0140	M318
66♦	S5490F	1	18M%	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			230m§	1.0 †	-55	125	1	E0140	M257f
67#	SFC490E	1	18M%	MON	2.0%	.80*	TTL	6	10	0.0	5.0	75n%			160m†	1.0	0	70	1	E0131	TO116
68#	SFC490EM	1	18M%	MON	2.0%	.80*	TTL	6	10	0.0	5.0	75n%			160m†	1.0	-55	125	1	E0131	TO116
69#	SFC490ET	1	18M%	MON	2.0%	.80*	TTL	6	10	0.0	5.0	75n%			160m†	1.0	-25	85	1	E0131	TO116
70#	SFC490PM	1	18M%	MON	2.0%	.80*	TTL	6	10	0.0	5.0	75n%			160m†	1.0	-55	125	1	E0131	TO85
71#	TL7490N	1	18Mt%	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			278m†		0	70	1	E0165	M126n
72	US5490A	1	18M%Δ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	60nt	12nt	5.0nt	160m†	1.0 Δ	-55	125	1	E0131	M105b
73	US5490J	1	18M%Δ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	60nt	12nt	5.0nt	160m†	1.0 Δ	-55	125	1	E0131	TO88
74♦#	ZN7490E	1	18M%	MON	2.0%	.80*	TTL	6		0.0	5.0	100nΔ			160m%		0	70	1	E0180	M126
75♦#	ZN7490F	1	18M%	MON	2.0%	.80*	TTL	6		0.0	5.0	100nΔ			160m%		0	70	1	E0180	TO86
76▼	JANM38510/01303BEB	1	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	M323
77♦	JANM38510/01303BFB	1	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	FP117
78▼	JANM38510/01303CEB	1	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	M323
79♦	JANM38510/01303CFB	1	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	FP117
80▼	JANM38510/01305BEB	1	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	M323
81♦	JANM38510/01305BFB	1	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	FP117
82▼	JANM38510/01305CEB	1	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	M323
83♦	JANM38510/01305CFB	1	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	FP117
84	DM54190J	1	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	54nΔ			525m%		-55	125	1	E0191	M200r
85	DM54190W	1	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	54nΔ			525m%		-55	125	1	E0191	FP88a
86	DM74190J	1	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	54nΔ			525m%		0	70	1	E0191	M200r
87	DM74190N	1	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	54nΔ			525m%		0	70	1	E0191	M345
88	DM74190W	1	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	54nΔ			525m%		0	70	1	E0191	FP88a
89▼#	M53360P	1	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305m†	400m	0	75	1	E0166	M153b
90▼#	M53362P	1	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305m†	400m	0	75	1	E0166	M153b
91#	M53390P	1	25M%Δ	MON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ	10n	10n	325m†		0	75	1	E0320	M153b
92♦#	MIC54160J	1	25MØΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	35nΔ			305m†		-55	125	1	E0147	M153g
93♦#	MIC54162J	1	25MØΔ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	35nΔ			305m†	1.0 Δ	-55	125	1	E0166	M153g
94#	MIC54190J	1	25MΔ%	MON	2.0%	.80*	TTL	8	20	0.0	5.0	24n%			325m†	1.0 Δ	-55	125	1	E0320	M153a
95#	MIC64162J	1	25MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	17n%			505m%	1.0 Δ	-40	85	1	E0166	M153a
96#	MIC64190J	1	25MΔ%	MON	2.0%	.80*	TTL	8	20	0.0	5.0	24n%			325m†	1.0 Δ	-40	85	1	E0320	M153a
97♦#	MIC74160J	1	25MØΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	35nΔ			305m†		0	75	1	E0147	M153g
98♦#	MIC74160N	1	25MØΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	35nΔ			305m†		0	75	1	E0147	M117ab

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦#	MIC74162J	1	25MØΔ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	35nΔ			305m†	1.0 Δ	0	75	1	E0166	M153g
2♦#	MIC74162N	1	25MØΔ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	35nΔ			305m†	1.0 Δ	0	75	1	E0166	M117ab
3#	MIC74190J	1	25MΔ%	MON	2.0%	.80*	TTL	8	20	0.0	5.0	24n%			325m†	1.0 Δ	0	75	1	E0182	M153a
4#	MIC74190N	1	25MΔ%	MON	2.0%	.80*	TTL	8	20	0.0	5.0	24n%			325m†	1.0 Δ	0	75	1	E0320	M153a
5▼	N74190B	1	25M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	52nΔ			525m§	1.0 †	0	70	1	E0182	M317
6▼	N74190F	1	25M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	52nΔ			525m§	1.0 †	0	70	1	E0182	M200v
7▼	N74190W	1	25M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	52nΔ			525m§	1.0 †	0	70	1	E0182	FP47g
8▼	S54190B	1	25M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	52nΔ			525m§	1.0 †	-55	125	1	E0182	M317
9▼	S54190F	1	25M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	52nΔ			525m§	1.0 †	-55	125	1	E0182	M200v
10▼	S54190W	1	25M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	52nΔ			525m§	1.0 †	-55	125	1	E0182	FP47g
11	SN54LS190J	1	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ			70m%		-55	125	1	E0320	M153d
12	SN54LS190W	1	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ			70m%		-55	125	1	E0320	Δ004AG
13	SN74LS160J	1	25MΔØ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	38nΔ			93m†	400m	0	70	1	E0166	M153d
14	SN74LS160N	1	25MΔØ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	38nΔ			93m†	400m	0	70	1	E0166	M117x
15	SN74LS162J	1	25MΔØ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	38nΔ			93m†	400m	0	70	1	E0166	M153d
16	SN74LS162N	1	25MΔØ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	38nΔ			93m†	400m	0	70	1	E0166	M117x
17	SN74LS190J	1	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ			70m%		0	70	1	E0320	M153d
18	SN74LS190N	1	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ			70m%		0	70	1	E0320	M117x
19	SN74S162J	1	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	25nΔ			475m†	300m	0	70	1	E0166	M153d
20	SN74S162N	1	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	25nΔ			475m†	300m	0	70	1	E0166	M117x
21	SN54160J	1	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305m†	400m	-55	125	1	E0166	M153d
22	SN54160N	1	25MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			455m%	1.0 Δ	-55	125	1	E0164	M117
23	SN54160W	1	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305m†	400m	-55	125	1	E0166	Δ004AG
24	SN54161N	1	25MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			455m%	1.0 Δ	-55	125	1	E0166	M117
25	SN54162J	1	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305m†	400m	-55	125	1	E0166	M153d
26	SN54162W	1	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305m†	400m	-55	125	1	E0166	Δ004AG
27	SN54190J	1	25M%Δ	MON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ	10n	10n	325m†		-55	125	1	E0320	M153d
28	SN54190N	1	25M%Δ	MON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ	10n	10n	325m†		-55	125	1	E0320	M117m
29	SN54190W	1	25MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	50nΔ	10n	10n	325m†	1.0	-55	125	1	E0320	Δ004AG
30	SN74160J	1	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305m†	400m	-55	125	1	E0166	M153d
31	SN74160N	1	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305m†	400m	-55	125	1	E0166	M117x
32	SN74162J	1	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305m†	400m	-55	125	1	E0166	M153d
33	SN74162N	1	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305m†	400m	-55	125	1	E0166	M117x
34	SN74190J	1	25M%Δ	MON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ	10n	10n	325m†		0	70	1	E0320	M153d
35	SN74190N	1	25M%Δ	MON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ	10n	10n	325m†		0	70	1	E0320	M117x
36	SW74192J	1	25MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.25	20n†			341m†		0	70	1	E0148	M153
37	SW74192N	1	25MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.25	20n†			341m†		0	70	1	E0148	M117
38	SW74193J	1	25MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.25	20n†			341m†		0	70	1	E0148	M153
39	SW74193N	1	25MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.25	20n†			341m†		0	70	1	E0148	M117
40#	T74192B1	1	25M	MON	2.0%	.80	TTL	8	10	0.0	5.0	47nΔ			510m§		0	70	1	E0148	M126s
41#	T74192D1	1	25M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m§		0	70	1	E0148	M294d
42#	T74192D2	1	25M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m§		-55	125	1	E0148	M294d
43#	TL74190N	1	25M†%	MON	2.0%	.80*	TTL	10	10	0.0	5.0	52nΔ			551m†		0	70	1	E0320	M117u
44	9360FC	1	30M%	MON	2.0%	.80*	TTL	8	6	0.0	5.0	47nΔ			300m†		0	75	1	E0148	FP47b
45	DM7560J	1	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		-55	125	1	E0148	M200r
46	DM7560W	1	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		-55	125	1	E0148	FP88a
47	DM8560J	1	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		0	70	1	E0148	M200r
48	DM8560N	1	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		0	70	1	E0148	M345
49	DM54192J	1	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		-55	125	1	E0148	M200r
50	DM54192W	1	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		-55	125	1	E0148	FP88a
51	DM74192J	1	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		0	70	1	E0148	M200r
52	DM74192N	1	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		0	70	1	E0148	M345
53	N8285A	1	30M%	MON	2.0%	.80*	TTL	6	12	0.0	5.0		5.0n	5.0n	360m		0	75	1	E0252	M344a
54	N8285F	1	30M%	MON	2.0%	.80*	TTL	6	12	0.0	5.0				360m		0	75	1	E0252	M297a
55	S8285F	1	30M%	MON	2.0%	.80*	TTL	6	12	0.0	5.0				360m		-55	125	1	E0252	M297a
56	9360DC	1	32M%	MON	2.0%	.80*	TTL	8	6	0.0	5.0	47nΔ			510m%		0	75	1	E0148	M224c
57	9360DM	1	32M%	MON	2.0%	.80*	TTL	8	6	0.0	5.0	47nΔ			445m%		-55	125	1	E0148	M224c
58	9360FM	1	32M%	MON	2.0%	.80*	TTL	8	6	0.0	5.0	47nΔ			445m%		-55	125	1	E0148	FP79b
59	9360PC	1	32M%	MON	2.0%	.80*	TTL	8	6	0.0	5.0	47nΔ			510m%		0	75	1	E0148	M357
60#	FLJ401-74160	1	32M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	35nΔ			505m§	1.0 Δ	0	70	1	E0164	M117w
61#	FLJ405-84160	1	32M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	35nΔ			505m§	1.0 Δ	-25	85	1	E0164	M117w
62#	FLJ421-74162	1	32M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	35nΔ			505m§	1.0 Δ	0	70	1	E0164	M117w
63#	FLJ425-84162	1	32M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	35nΔ			505m§	1.0 Δ	-25	85	1	E0164	M117w
64	I741	1	32M	PCB	2.0	.80	TTL	8	60	0.0	5.0	47n			975m		0	70	3		CB☑
65♦#	MIC54192J	1	32M%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325m†		-55	125	1	E0148	M153g
66#	MIC64192J	1	32M%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325m†		-40	85	1	E0148	M153a
67♦#	MIC74192J	1	32M%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325m†		0	75	1	E0148	M153g
68♦#	MIC74192N	1	32M%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325m†		0	75	1	E0148	M117ab
69▼	N74160B	1	32M%Δ	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			505m§	1.0 †	0	70	1	E0164	M317
70▼	N74160F	1	32M%Δ	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			505m§	1.0 †	0	70	1	E0164	M200v
71♦	N74162B	1	32M%Δ	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			505m§	1.0 †	0	70	1	E0164	M317
72▼	N74162F	1	32M%Δ	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			505m§	1.0 †	0	70	1	E0164	M200v
73▼	S54160B	1	32M%Δ	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			455m§	1.0 †	-55	125	1	E0164	M317
74▼	S54160F	1	32M%Δ	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			455m§	1.0 †	-55	125	1	E0164	M200v
75▼	S54160W	1	32M%Δ	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			455m§	1.0 †	-55	125	1	E0164	FP47g
76♦	S54162B	1	32M%Δ	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			455m§	1.0 †	-55	125	1	E0164	M317
77▼	S54162F	1	32M%Δ	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			455m§	1.0 †	-55	125	1	E0164	M200v
78▼	S54162W	1	32M%Δ	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			455m§	1.0 †	-55	125	1	E0164	FP47g
79#	SFC4192EM	1	32M%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325m†		-55	125	1	E0148	M117
80#	SFC4192ET	1	32M%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325m†		-25	85	1	E0148	M117
81	SN54192J	1	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325m†		-55	125	1	E0329	M153d
82	SN54192N	1	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325m†		-55	125	1	E0148	M117
83	SN54192W	1	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325m†		-55	125	1	E0329	Δ004AG
84	SN74192J	1	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325m†		0	70	1	E0329	M153d
85	SN74192N	1	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325m†		0	70	1	E0329	M117x
86	SW74160J	1	32M%	MON	2.0%	.80*	TTL	4		0.0	5.0	35nΔ	10n	10n	325m†		0	70	1	E0164	M117
87	SW74162J	1	32M%	MON	2.0%	.80*	TTL	4		0.0	5.0	35nΔ	10n	10n	325m†		0	70	1	E0164	M117
88#	TL74160N	1	32M†%	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			511m†		0	70	1	E0164	M117u
89#	TL74162N	1	32M†%	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			511m†		0	70	1	E0164	M117u
90#	TL74192N	1	32M†%	MON	2.0%	.80*	TTL	10	10	0.0	5.0	47nΔ			535m†		0	70	1	E0148	M117u
91#	ZN54192E	1	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325m†	1.0 Δ	-55	125	1	E0148	TO116
92#	ZN54192J	1	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325m†	1.0 Δ	-55	125	1	E0148	M257e
93#	ZN74192E	1	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325m†	1.0 Δ	0	70	1	E0148	TO116
94#	ZN74192J	1	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325m†	1.0 Δ	0	70	1	E0148	M257e
95	DM54160N	1	35MΔ%	MON	2.0%	.80*	TTL	9		0.0	5.0	35nΔ			455m%		-55	125	1	E0164	M345
96	DM54162N	1	35MΔ%	MON	2.0%	.80*	TTL	9		0.0	5.0	35nΔ			455m%		-55	125	1	E0166	M345
97	DM74160N	1	35MΔ%	MON	2.0%	.80*	TTL	9		0.0	5.0	35nΔ			455m%		0	70	1	E0164	M345
98	DM74162N	1	35MΔ%	MON	2.0%	.80*	TTL	9		0.0	5.0	35nΔ			455m%		0	70	1	E0166	M345
99	SN54390J	1	35M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	13n			210m%	1.0 Δ	-55	125	2	E0187	M153d
100	SN54390W	1	35M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	13n			210m%	1.0 Δ	-55	125	2	E0187	Δ004AG
101	SN74390J	1	35M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	13n			210m%	1.0 Δ	0	70	2	E0187	M153d
102	SN74390N	1	35M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	13n			210m%	1.0 Δ	0	70	2	E0187	M117x
103	SN54S162J	1	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	25nΔ			475m†	300m	-55	125	1	E0166	M153d
104	SN54S162W	1	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	25nΔ			475m†	300m	-55	125	1	E0166	Δ004AG
105▼#	FLJ161-7490A	1	42MΔ%	MON	2.0%	.80*	TTL	6	20	0.0	5.0	50nΔ			210m§		0	70	1	E0161	M126p
106▼#	FLJ165-8490A	1	42MΔ%	MON	2.0%	.80*	TTL	6	20	0.0	5.0	50nΔ			210m§		-25	85	1	E0161	M126p
107	DM7555N	1	50M	MON	2.0%	.80*	TTL	5		0.0	5.0	27n			375m†		-55	125	1	E0193	M345
108	DM8555N	1	50M	MON	2.0%	.80*	TTL	5		0.0	5.0	27n			375m†		0	70	1	E0193	M345
109	DM54196J	1	50M	MON	2.0%	.80*	TTL	8	20	0.0	5.0	45nΔ			150m†		-55	125	1	E0157	M294b
110	DM54196N	1	50M	MON	2.0%	.80*	TTL	8	20	0.0	5.0	45nΔ			150m†		-55	125	1	E0157	M344

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	DM54197J	1	50M	MON	2.0%	.80*	TTL	8	20	0.0	5.0	60nΔ			150mt		-55	125	1	E0157a	M294b
2	DM54197N	1	50M	MON	2.0%	.80*	TTL	8	20	0.0	5.0	60nΔ			150mt		-55	125	1	E0157a	M344
3	DM74196J	1	50M	MON	2.0%	.80*	TTL	8	20	0.0	5.0	45nΔ			150mt		0	70	1	E0157	M294b
4	DM74196N	1	50M	MON	2.0%	.80*	TTL	8	20	0.0	5.0	45nΔ			150mt		0	70	1	E0157	M344
5	DM74197J	1	50M	MON	2.0%	.80*	TTL	8	20	0.0	5.0	60nΔ			150mt		0	70	1	E0157a	M294b
6	DM74197N	1	50M	MON	2.0%	.80*	TTL	8	20	0.0	5.0	60nΔ			150mt		0	70	1	E0157a	M344
7	SN54196J	1	50MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	42nΔ		5.0n	240mt		-55	125	1	E0157a	M157b
8	SN54196N	1	50M	MON	2.0%	.80*	TTL	8		0.0	5.0	38nΔ		5.0n	240mt		-55	125	1	E0157	M126e
9	SN54196W	1	50MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	63nΔ			240mt	1.0	-55	125	1	E0157a	Δ004AG
10	SN54197W	1	50MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	63nΔ			240mt	1.0	-55	125	1	E0167a	Δ004AG
11	SN74196J	1	50MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	42nΔ		5.0n	240mt		0	70	1	E0157a	M157b
12	SN74196N	1	50MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	63nΔ		5.0n	240mt		0	70	1	E0157a	M126e
13#	ZN54197E	1	50M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	63nΔ			240mt	1.0	-55	125	1	E0167a	TO116
14#	ZN54197J	1	50M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	63nΔ			240mt	1.0	-55	125	1	E0167a	M257e
15#	ZN74197E	1	50MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	63nΔ			240mt	1.0	0	70	1	E0167a	TO116
16#	ZN74197J	1	50MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	63nΔ			240mt	1.0	0	70	1	E0167a	M257e
17#	FLJ381-74196	1	70M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	42nΔ			295m§	1.0 Δ	0	70	1	E0157	M126p
18#	FLJ385-84196	1	70M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	42nΔ			295m§	1.0 Δ	-25	85	1	E0157	M126p
19♦#	FLJ511-49705	1	70M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	38nΔ			590m§	1.0 Δ	0	70	2	E02102	M117w
20♦#	FLJ515-49805	1	70M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	38nΔ			590m§	1.0 Δ	-25	85	2	E02102	M117w
21#	TL74196N	1	70Mt%	MON	2.0%	.80*	TTL	8	20	0.0	5.0	42nΔ			309mt		0	70	1	E0157	M126n
22#	TL74197N	1	70Mt%	MON	2.0%	.80*	TTL	8	20	0.0	5.0	63nΔ			309mt		0	70	1	E0266	M126n
23▼	93S10DC	1	100M%	MON	2.0%	.80*	TTL	9	20	0.0	5.0	14n			635m		0	75	4	E01101	M356
24▼	93S10DM	1	100M%	MON	2.0%	.80*	TTL	9	20	0.0	5.0	14n			635m		-55	125	4	E01101	M356
25▼	93S10FM	1	100M%	MON	2.0%	.80*	TTL	9	20	0.0	5.0	14n			635m		-55	125	4	E01101	FP79b
26▼	93S10PC	1	100M%	MON	2.0%	.80*	TTL	9	20	0.0	5.0	14n			635m		0	75	4	E01101	M357
27▼	93S16DC	1	100M%	MON	2.0%	.80*	TTL	9	20	0.0	5.0	14n			635m		0	75	4	E01102	M356
28▼	93S16DM	1	100M%	MON	2.0%	.80*	TTL	9	20	0.0	5.0	14n			635m		-55	125	4	E01102	M357
29▼	93S16FM	1	100M%	MON	2.0%	.80*	TTL	9	20	0.0	5.0	14n			635m		-55	125	4	E01102	FP79b
30▼	93S16PC	1	100M%	MON	2.0%	.80*	TTL	9	20	0.0	5.0	14n			635m		0	75	4	E01102	M357
31	SN5490J	1	20M	MON	2.4%	.40*	TTL	6	10	0	5.0	50n	10nt	10nt	160mΔ	1.0 Δ	-55	125	1	E0131	M75a
32	SN5490N	1	20M	MON	2.4%	.40*	TTL	6	10	0	5.0	50n	10nt	10nt	160mΔ	1.0 Δ	-55	125	1	E0131	M75a
33	US7490A	1	20M	MON	2.4%	.40*	TTL	6	10	0.0	5.0	50n	10nt	10nt	160mΔ	1.0 Δ	-55	125	1	E0131	M105b
34	US7490J	1	20M	MON	2.4%	.40*	TTL	6	10	0.0	5.0	50n	10nt	10nt	160mΔ	1.0 Δ	-55	125	1	E0131	TO88
35	MC4050L	1	35Mt%	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450mt		0	75	1	K15353	M191
36	MC4050P	1	35Mt%	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450mt		0	75	1	K15353	M278
37	MC4051P	1	35Mt%	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450mt		0	75	1	K15353	M278
38	MC4350L	1	35Mt%	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450mt		-55	125	1	K15353	M191
39	MC54450F	1	40Mt%	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450mt		-55	125	1	K15353	FP85
40	MC54450L	1	40Mt%	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450mt		-55	125	1	K15353	M191
41	MC74450F	1	40Mt%	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450mt		0	75	1	K15353	FP85
42	MC74450L	1	40Mt%	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450mt		0	75	1	K15353	M191
43	MC74450P	1	40Mt%	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450mt		0	75	1	K15353	M278
44	MC4051F	1	35Mt%	MON	2.4%	.80*†	TTL	6	8	0.0	5.0				450mt		0	75	1	K15353	FP85
45	MC4051L	1	35Mt%	MON	2.4%	.80*†	TTL	6	8	0.0	5.0				450mt		0	75	1	K15353	M191
46	MC4050F	1	40Mt%	MON	2.4%	.80*†	TTL	6	8	0.0	5.0				450mt		0	75	1	K15353	FP85
47	MC4350F	1	40Mt%	MON	2.4%	.80*†	TTL	6	8	0.0	5.0				450mt		-55	125	1	K15353	FP85
48♦	54R192	1	35M		2.5	.40	TTL		10	0.0	5.0	34n			445m		-55	125			
49♦	74R192	1	35M		2.5	.40	TTL		10	0.0	5.0	34n			445m		0	75			
50♦	SN54S196J	1	100M%	MON	2.5	.50	TTL	8	10	0.0	5.0	9.0n			400mt	1.0 Δ	-55	125	1	E0157	M157b
51♦	SN54S196W	1	100M%	MON	2.5	.50	TTL	8	10	0.0	5.0	9.0n			400mt	1.0 Δ	-55	125	1	E0157	Δ004AA
52	N8285Q	1		MON	2.6%	.40†	TTL	6	12	0.0	5.0		5.0n	5.0n	420m		0	75	1	E0252	TO88
53	N8292A	1	10Mt%	MON	2.6%	.40†	TTL	8	4	0.0	5.0		5.0n	5.0n	69m		0	75	1	E0249	M105q
54	N8292F	1	10Mt%	MON	2.6%	.40†*	TTL	8		0.0	5.0				69m		0	75	1	E0249	M157
55	N8292Q	1	10Mt%	MON	2.6%	.40†	TTL	8	4	0.0	5.0		5.0n	5.0n	69m		0	75	1	E0249	TO88
56	S8292A	1	10Mt%	MON	2.6%	.40†	TTL	8	4	0.0	5.0		5.0n	5.0n	69m		-55	125	1	E0249	M105q
57	S8292F	1	10Mt%	MON	2.6%	.40†*	TTL	8		0.0	5.0				69m		-55	125	1	E0249	M157
58	S8292Q	1	10Mt%	MON	2.6%	.40†	TTL	8	4	0.0	5.0		5.0n	5.0n	69m		-55	125	1	E0249	TO88
59	S8285A	1	30M%	MON	2.6%	.40†*	TTL	6		0.0	5.0				420m		-55	125	1	E0252	TO116
60	S8285Q	1	30M%	MON	2.6%	.40†*	TTL	6		0.0	5.0				420m		-55	125	1	E0252	TO88
61	N8290A	1	60Mt%	MON	2.6%	.40†	TTL	8	12	0.0	5.0		5.0n	5.0n	255m		0	75	1	E0249	M105q
62	N8290F	1	60Mt%	MON	2.6%	.40†*	TTL	8		0.0	5.0				255m		0	75	1	E0249	M157
63	N8290Q	1	60Mt%	MON	2.6%	.40†	TTL	8	12	0.0	5.0		5.0n	5.0n	255m		0	75	1	E0249	TO88
64	S8290A	1	60Mt%	MON	2.6%	.40†	TTL	8	12	0.0	5.0		5.0n	5.0n	255m		-55	125	1	E0249	M105q
65	S8290F	1	60Mt%	MON	2.6%	.40†*	TTL	8		0.0	5.0				255m		-55	125	1	E0249	M157
66	S8290Q	1	60Mt%	MON	2.6%	.40†	TTL	8	12	0.0	5.0		5.0n	5.0n	255m		-55	125	1	E0249	TO88
67▼	N74S196A	1	100Mt%	MON	2.6%	.50*†	TTL	8	20	0.0	5.0				461m§	1.0 †	0	70	1	E0249	M318
68▼	N74S196F	1	100Mt%	MON	2.6%	.50*†	TTL	8	20	0.0	5.0				461m§	1.0 †	0	70	1	E0249	M257f
69♦	SN74S196J	1	100M%	MON	2.7	.50	TTL	8	10	0.0	5.0	9.0n			400mt	1.0 Δ	0	70	1	E0157	M157b
70♦	SN74S196N	1	100M%	MON	2.7	.50	TTL	8	10	0.0	5.0	9.0n			400mt	1.0 Δ	0	70	1	E0157	M126e
71	RL173D	1	10MØ	MON	3.3%	.30%	TTL	7	12	0.0	5.25	40nΔ	8.0n	5.0n	275m	400m*	0	75	1	E0264	TO116
72	RL191D	1	15MØ	MON	3.3%	.30%	TTL	7	12	0.0	5.5	40nΔ	8.0n	5.0n	400m	400m*	-55	125	1	E0156	TO116
73	RL193D	1	15MØ	MON	3.3%	.30%	TTL	7	12	0.0	5.25	40nΔ	8.0n	5.0n	400m	400m*	0	75	1	E0156	TO116
74	RL151D	1	20MØ	MON	3.3%	.30%	TTL	11	12	0.0	5.5	37nΔ	8.0n	5.0n	200m	400m*	-55	125	1	E0155	TO116
75	RL153D	1	20MØ	MON	3.3%	.30%	TTL	11	12	0.0	5.25	37nΔ	8.0n	5.0n	200m	400m*	0	75	1	E0155	TO116
76	N82S90A	1	100Mt%	MON	3.5	.50†	TTL	8		0.0	5.0	22nΔ			461m		0	75	1	E0249	M318
77	N82S90F	1	100Mt%	MON	3.5	.50†	TTL	8		0.0	5.0	22nΔ			461m		0	75	1	E0249	M257b
78	T108	1	10M	PCB	5.0	0.0	TTL	9	6	4.8	5.2	20n			1.2	1.0	0	70	3		CBØ
79	T106Ø	1	15M	PCB	5.0	0.0	TTL	8	10	0.0	5.0	34n			750m%	1.0			3	K168	CBØ
80	M103	1	2.5M	PCB	10	0.0	TTL	2	50	0.0	10	400n			400u	4.5	-55	95	4		CBØ
81	CM4029AD	1,2	5.0Mt△	MOS	10	0.0†		9		0.0	10	300nΔ	15uΔ	15uΔ	200m	4.5 Δ	-55	125	1	E0611	M210b
82	CM4029AE	1,2	5.0Mt△	MOS	10	0.0†		9		0.0	10	600nΔ	15uΔ	15uΔ	200m	4.5 Δ	-40	85	1	E0611	M210b
83	K210	1,2	100k	PCB	5.0	0.0	DTL	2	15	0	5.0	5.0u	240u	120u	750m	1.6	0	65			
84	DM7281J	1,3	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		-55	125	1	E0192	M294b
85	DM7281W	1,3	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		-55	125	1	E0192	FP97a
86	DM54177J	1,3	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		-55	125	1	E0192	M294b
87	DM54177W	1,3	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		-55	125	1	E0192	FP97a
88	DM74177J	1,3	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		0	70	1	E0192	M294b
89	DM74177N	1,3	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		0	70	1	E0192	M344
90	DM74177W	1,3	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		0	70	1	E0192	FP97a
91	DM8281J	1,3	45Mt%	MON	28%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		0	70	1	E0192	M294b
92	DM8281N	1,3	45Mt%	MON	28%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		0	70	1	E0192	M344
93	DM8281W	1,3	45Mt%	MON	28%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		0	70	1	E0192	FP97a
94	9350DC	1F	18M%	MON	1.8%	.85*	TTL	6	10	0.0	5.25	100nΔ			160m%	400m	0	75	1	E0151	M105ad
95	SN54L90J	1F	3.0MØ	MON	2.0%	.70*	TTL	6	10	0.0	5.0	340nΔ			20mt	1.0 Δ	-55	125	1	E0131	M157b
96	SN54L90T	1F	3.0M%	MON	2.0%	.70*	TTL	6	10	0.0	5.0	340nΔ			20mt		-55	125	1	E0131	FP52e
97	SN74L90J	1F	3.0MØ	MON	2.0%	.70*	TTL	6	10	0.0	5.0	340nΔ			20mt	1.0 Δ	0	70	1	E0131	M157b
98	SN74L90N	1F	3.0MØ	MON	2.0%	.70*	TTL	6	10	0.0	5.0	340nΔ			20mt	1.0 Δ	0	70	1	E0131	M126e
99	SN54LS90J	1F	16MØ	MON	2.0%	.70*	TTL	6	10	0.0	5.0	50nΔ			45mt	1.0 Δ	-55	125	1	E0131	M157b
100	SN54LS90W	1F	16MØ	MON	2.0%	.70*	TTL	6	10	0.0	5.0	50nΔ			45mt	1.0 Δ	-55	125	1	E0131	Δ004AA
101	ITT5490J	1F	18M%Δ	MON	2.0%	.70*	TTL	6	10	0.0	5.0	100nΔ			160mt	1.0 Δ	-55	125	1	E0131	M157
102	SN5490S	1F	18M%Δ	MON	2.0%	.70*	TTL	6	10	0.0	5.0	100nΔ			160mt	1.0 Δ	-55	125	1	E0131	TO84
103	SN7490AW	1F	18M%Δ	MON	2.0%	.70*	TTL	6	10	0.0	5.0	100nΔ			160mt	1.0 Δ	0	70	1	E0131	TO84
104	SN54LS290J	1F	32MΔØ	MON	2.0%	.70*	TTL	6	4	0.0	5.0	70nΔ			75m§	300m	-55	125	1	E0340	M157b
105	SN54LS290W	1F	32MΔØ	MON	2.0%	.70*	TTL	6	4	0.0	5.0	70nΔ			75m§	300m	-55	125	1	E0340	Δ004AA
106	SN74490J	1F	35mΔ%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	13n			225m%	1.0 Δ	0	70	2	E0188	M117x
107	9390DC	1F	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			275m§		0	70	1	E0131	TO116
108	9390DM	1F	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			275m§		-55	125	1	E0131	TO116
109	9390FC	1F	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			275m§		0	70	1	E0131	FP115
110	9390FM	1F	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			275m§		-55	125	1	E0131	FP115

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼#	GFB7490	1F	10MΔØ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			160mt	1.0 Δ	0	70	1	E0131	TO116
2	SW7490J	1F	10MΔ	MON	2.0%	.80*	TTL	6	10	0.0	5.25	100nΔ			160mt	1.0	0	70	1	E0131	M114
3	SW7490N	1F	10MΔ	MON	2.0%	.80*	TTL	6	10	0.0	5.25	100nΔ			160mt	1.0	0	70	1	E0131	M105n
4	SN74LS90J	1F	16MØ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	50nΔ			45mt	1.0 Δ	0	70	1	E0131	M157b
5	SN74LS90N	1F	16MØ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	50nΔ			45mt	1.0 Δ	0	70	1	E0131	M126e
6	SN5490AJ	1F	16MØ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	50nΔ			145mt	1.0 Δ	-55	125	1	E0131	M157b
7	SN5490AW	1F	16MØ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	50nΔ			145mt	1.0 Δ	-55	125	1	E0131	Δ004AA
8	SN7490AJ	1F	16MØ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	50nΔ			145mt	1.0 Δ	0	70	1	E0131	M157b
9	SN7490AN	1F	16MØ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	50nΔ			145mt	1.0 Δ	0	70	1	E0131	M126e
10#	M53290P	1F	18M%	MON	2.0%	.80*	TTL	6	40	0.0	7.0	60n%			160mt	1.0 Δ	0	75	1	E0131	M105j
11#	MIC5490J	1F	18MΔ%	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			135mt	500m	-55	125	1	E0131	TO116
12#	MIC6490J	1F	18MΔ%	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			135mt	500m	-40	85	1	E0131	TO116
13#	MIC7490J	1F	18MΔ%	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			135mt	500m	0	75	1	E0131	TO116
14♦#	MIC7490N	1F	18MΔ%	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			135mt	500m	0	75	1	E0131	M126x
15	NC7490N	1F	18M%	MON	2.0%	.80*	TTL	6	40	0	7.0	75n%			160mt	1.0	0	70	1		TO116
16#	SN6490N	1F	18M%	MON	2.0%	.80*	TTL	6	40	0.0	7.0	75n%			160mt	1.0m	-40	85	1	E0131	M75a
17#	T7490B1	1F	18M%Δ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			265m§	1.0 Δ	0	70	1	E0131	M126u
18#	T7490D1	1F	18M%Δ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			265m§	1.0 Δ	0	70	1	E0131	M294
19#	T7490D2	1F	18M%Δ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			265m§	1.0 Δ	-55	125	1	E0131	M294
20	TRW7490#1	1F	18M%	MON	2.0%	.80	TTL	6	40	0.0	7.0	75n%			160m	1.0	0	70	1	E0280	M126
21	TRW7490#2	1F	18M%	MON	2.0%	.80	TTL	6	40	0.0	7.0	75n%			160m	1.0	0	70	1	E0280	M157
22	DM5490J	1F	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	80nΔ			225m%		-55	125	1	E0131	M294b
23	DM5490N	1F	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	80nΔ			225m%		-55	125	1	E0131	M344
24	DM5490W	1F	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	80nΔ			225m%		-55	125	1	E0131	FP97a
25	DM7490J	1F	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	80nΔ			225m%		0	70	1	E0131	M294b
26	DM7490N	1F	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	80nΔ			225m%		0	70	1	E0131	M344
27	SN74LS290J	1F	32MΔØ	MON	2.0%	.80*	TTL	6	4	0.0	5.0	70nΔ			75m§	400m	0	70	1	E0340	M157b
28	SN74LS290N	1F	32MΔØ	MON	2.0%	.80*	TTL	6	4	0.0	5.0	70nΔ			75m§	400m	0	70	1	E0340	M126e
29	SN54290J	1F	32MΔØ	MON	2.0%	.80*	TTL	6	4	0.0	5.0	70nΔ			210m§	400m	-55	125	1	E0340	M157b
30	SN54290W	1F	32MΔØ	MON	2.0%	.80*	TTL	6	4	0.0	5.0	70nΔ			210m§	400m	-55	125	1	E0340	Δ004AA
31	SN74290J	1F	32MΔØ	MON	2.0%	.80*	TTL	6	4	0.0	5.0	70nΔ			210m§	400m	0	70	1	E0340	M157b
32	SN74290N	1F	32MΔØ	MON	2.0%	.80*	TTL	6	4	0.0	5.0	70nΔ			210m§	400m	0	70	1	E0340	M126e
33	SN54490J	1F	35MΔ%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	13n			225m%	1.0 Δ	-55	125	2	E0188	M153d
34	SN54490W	1F	35MΔ%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	13n			225m%	1.0 Δ	-55	125	2	E0188	Δ004AG
35	SN74490N	1F	35MΔ%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	13n			225m%	1.0 Δ	0	70	2	E0188	M153d
36	SN74190W	1F,4R	20M	MON	2.4	.40	TTL	8	10	0.0	5.0	20n			550m	1.0	0	70	1	E0320	Δ004AG
37♦	MRC1D	1R	2.0M	PCB	3.0%	.40*	DTL	13	16	0.0	5.0				540m	1.0	0	70	4		CB53
38	K220	1R	10k	PCB	5.0	0	DTL	2	15	0	5.0	5.0u	240u	120u	1.1	1.6	0	65			
39	SN54LS168J	1R,U	25MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	35nΔ			100mt	300m	-55	125	1	E0196	M153d
40	SN54LS168W	1R,U	25MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	35nΔ			100mt	300m	-55	125	1	E0196	Δ004AG
41	SN74LS168J	1R,U	25MΔØ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			100mt	400m	0	70	1	E0196	M153d
42	SN74LS168N	1R,U	25MΔØ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			100mt	400m	0	70	1	E0196	M117x
43	SN54S168J	1R,U	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	28nΔ			500mt	300m	-55	125	1	E0197	M153d
44	SN54S168W	1R,U	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	28nΔ			500mt	300m	-55	125	1	E0197	Δ004AG
45	SN74S168J	1R,U	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	28nΔ			500mt	300m	0	70	1	E0197	M153d
46	SN74S168N	1R,U	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	28nΔ			500mt	300m	0	70	1	E0197	M117x
47▼#	U140M	1U	100kΔ	MOS	-2.0%	-9.0*				27	0.0		10m	10m	1.2		0	70	1	E01107	Δ015AJ
48	DM7552J	1V	23MΔ%	MON	2.0%	.80*	TTL	7		0.0	5.0	70nΔ			330mt		-55	125	1	E0178	M200r
49	DM7552W	1V	23MΔ%	MON	2.0%	.80*	TTL	7		0.0	5.0	70nΔ			330mt		-55	125	1	E0178	FP88a
50	DM8552J	1V	23MΔ%	MON	2.0%	.80*	TTL	7		0.0	5.0	70nΔ			330mt		0	70	1	E0178	M200r
51	DM8552N	1V	23MΔ%	MON	2.0%	.80*	TTL	7		0.0	5.0	70nΔ			330mt		0	70	1	E0178	M345
52	DM8552W	1V	23MΔ%	MON	2.0%	.80*	TTL	7		0.0	5.0	70nΔ			330mt		0	70	1	E0178	FP88a
53	DM75L52F	1V	11MΔ%	MON	2.4%	.70*	TTL	7		0.0	5.0	220nΔ			38mt		-55	125	1	E0178	FP88b
54	DM75L52J	1V	11MΔ%	MON	2.4%	.70*	TTL	7		0.0	5.0	220nΔ			38mt		-55	125	1	E0178	M200r
55	DM75L52N	1V	11MΔ%	MON	2.4%	.70*	TTL	7		0.0	5.0	220nΔ			38mt		-55	125	1	E0178	M345
56	DM85L52F	1V	11MΔ%	MON	2.4%	.70*	TTL	7		0.0	5.0	220nΔ			38mt		0	70	1	E0178	FP88b
57	DM85L52J	1V	11MΔ%	MON	2.4%	.70*	TTL	7		0.0	5.0	220nΔ			38mt		0	70	1	E0178	M200r
58	DM85L52N	1V	11MΔ%	MON	2.4%	.70*	TTL	7		0.0	5.0	220nΔ			38mt		0	70	1	E0178	M345
59♦	MPC2B	2	2.0M	PCB	3.0%	.40*		16	16	0.0	5.0	75n			250m	1.0	0	70	2	E066	CB53
60	S1694	2	1.0M	MOS	-4.2	-1.2				12	5.0				1.5m	1.0	0	70			
61	CM4020AD	2	8.0M†Δ	MOS	10	0.0†		2		0.0	10	225nΔ	15uΔ	15uΔ	200m	4.5 Δ	-55	125	1	E0272	M105av
62	CM4020AE	2	8.0M†Δ	MOS	10	0.0†		2		0.0	10	250nΔ	15uΔ	15uΔ	200m	4.5 Δ	-40	85	1	E0272	M105av
63	CM4004AE	2	10M%	MOS	10	0.0†		2		0.0	10	50nΔ	10uΔ	10uΔ	200m	4.5 Δ	-40	85	1	E0154	M105av
64	CM4024AD	2	10M%	MOS	10	0.0†		2		0.0	10	25nΔ	10uΔ	10uΔ	200m	4.5 Δ	-55	125	1	E0154	M105av
65	CM4024AE	2	10M%	MOS	10	0.0†		2		0.0	10	50nΔ	10uΔ	10uΔ	200m	4.5 Δ	-40	85	1	E0154	M105av
66	CM4040AD	2	10M	MOS	10	0.0		2		0.0	10	125n	15uΔ	15uΔ	200m		-55	125	1	E0298	M210b
67	CM4040AE	2	10M	MOS	10	0.0		2		0.0	10	125n	15uΔ	15uΔ	200m		-40	85	1	E0298	M210b
68▼	CD4516BE	2	4.0MΔ	MON	15%	.05*		9		0.0	15	280nΔ			200m		-40	85	1	E01108	Δ001AC
69▼#	MSM5562A	2		MOS	1.1%	.20*	CMS	3		0.0	1.5				9.0u§		-20	70	1	E02127	M318a
70▼#	MSM5563A	2		MOS	1.1%	.20*	CMS	3		0.0	1.5				9.0u§		-20	70	1	E02127a	M318a
71▼#	MSM5564A	2		MOS	1.1%	.20*	CMS	3		0.0	1.5				9.0u§		-20	70	1	E02128	M318a
72▼#	MSM5570A	2		MOS	1.1%	.20*	CMS	2		0.0	1.5				9.0u§		-20	70	1	E02125	M318a
73▼#	MSM5571A	2		MOS	1.1%	.20*	CMS	2		0.0	1.5				9.0u§		-20	70	1	E02125a	M318a
74▼#	MSM5572A	2		MOS	1.1%	.20*	CMS	2		0.0	1.5				9.0u§		-20	70	1	E02125b	M318a
75▼#	MSM5573A	2		MOS	1.1%	.20*	CMS	2		0.0	1.5				9.0u§		-20	70	1	E02125c	M318a
76▼#	MSM5574A	2		MOS	1.1%	.20*	CMS	2		0.0	1.5				9.0u§		-20	70	1	E02125d	M318a
77▼#	MSM5576A	2		MOS	1.1%	.20*	CMS	2		0.0	1.5				9.0u§		-20	70	1	E02126	M318a
78▼#	MSM5577A	2		MOS	1.1%	.20*	CMS	2		0.0	1.5				9.0u§		-20	70	1	E02126a	M318a
79▼#	MSM5562	2		MOS	2.7%	.30*	CMS	3		0.0	3.0				63.0u§		-20	70	1	E02127	M318a
80▼#	MSM5563	2		MOS	2.7%	.30*	CMS	3		0.0	3.0				63.0u§		-20	70	1	E02127a	M318a
81▼#	MSM5564	2		MOS	2.7%	.30*	CMS	3		0.0	3.0				63.0u§		-20	70	1	E02128	M318a
82▼#	MSM5570	2		MOS	2.7%	.30*	CMS	2		0.0	3.0				63.0u§		-20	70	1	E02125	M318a
83▼#	MSM5571	2		MOS	2.7%	.30*	CMS	2		0.0	3.0				63.0u§		-20	70	1	E02125a	M318a
84▼#	MSM5572	2		MOS	2.7%	.30*	CMS	2		0.0	3.0				63.0u§		-20	70	1	E02125b	M318a
85▼#	MSM5573	2		MOS	2.7%	.30*	CMS	2		0.0	3.0				63.0u§		-20	70	1	E02125c	M318a
86▼#	MSM5574	2		MOS	2.7%	.30*	CMS	2		0.0	3.0				63.0u§		-20	70	1	E02125d	M318a
87▼#	MSM5576	2		MOS	2.7%	.30*	CMS	2		0.0	3.0				63.0u§		-20	70	1	E02126	M318a
88▼#	MSM5577	2		MOS	2.7%	.30*	CMS	2		0.0	3.0				63.0u§		-20	70	1	E02126a	M318a
89♦#	M003T1	2	1.0M	MOS	3.5%	.80*	CMS	17		12	5.0				122m§		0	70	1	E02118	M193
90♦#	M003T2	2	1.0M	MOS	3.5%	.80*	CMS	17		12	5.0				122m§		-55	125	1	E02118	M193
91	MM54C161D	2	3.0M△%	MOS	3.5%	1.5*	CMS	9		0.0	5.0	290n			500m	450mΔ	-55	125	1		M346a
92	MM54C163D	2	3.0M△%	MOS	3.5%	1.5*	CMS	9		0.0	5.0	290n			500m	450mΔ	-55	125	1		M346a
93	MM74C161N	2	3.0M△%	MOS	3.5%	1.5*	CMS	9		0.0	5.0	290n			500m	450mΔ	0	70	1	E02113	M345
94	MM74C163N	2	3.0M△%	MOS	3.5%	1.5*	CMS	9		0.0	5.0	290n			500m	450mΔ	0	70	1	E02113	M345
95	MM54C193D	2	4.0M%	MOS	3.5%	1.5*	CMS	8		0.0	5.0	250n			500m	450mΔ	-55	125	1	E02114	M346a
96	MM74C193N	2	4.0M%	MOS	3.5%	1.5*	CMS	8		0.0	5.0	250n			500m	450mΔ	0	70	1	E02114	M345
97▼#	MSM5504	2	2.0M%Δ	MOS	3.6%	.80*	CMS	10	15	0.0	5.0	1.0uΔ	5.0u	5.0u	250u§		-20	70	1	E01105	M256a
98▼#	MSM5507	2	2.0M%Δ	MOS	3.6%	.80*	CMS	2	15	0.0	5.0	1.0uΔ	5.0u	5.0u	250u§		-20	70	1	E02124	M256a
99▼#	MSM5508	2	2.0M%Δ	MOS	3.6%	.80*	CMS	2	15	0.0	5.0	1.0uΔ	5.0u	5.0u	250u§		-20	70	1	E02124a	M256a
100▼#	MSM5538	2	2.0M%Δ	MOS	3.6%	.80*	CMS	4	15	0.0	5.0	1.0uΔ	5.0u	5.0u	250u§		-20	70	1	E02123	M318a
101▼	JANM38510/05605ACA	2	1.1MΔ	MON	3.95%	.85*	CMS	2	7	0.0	5.0	4.0uΔ			200m		-55	125	1	E02120	M392
102▼	JANM38510/05605ADA	2	1.1MΔ	MON	3.95%	.85*	CMS	2	7	0.0	5.0	4.0uΔ			200m		-55	125	1	E02120	M393
103▼	JANM38510/05605BCA	2	1.1MΔ	MON	3.95%	.85*	CMS	2	7	0.0	5.0	4.0uΔ			200m		-55	125	1	E02120	M392
104▼	JANM38510/05605BDA	2	1.1MΔ	MON	3.95%	.85*	CMS	2	7	0.0	5.0	4.0uΔ			200m		-55	125	1	E02120	M393
105▼	JANM38510/05605CCA	2	1.1MΔ	MON	3.95%	.85*	CMS	2	7	0.0	5.0	4.0uΔ			200m		-55	125	1	E02120	M392

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	JANM38510/05605CDA	2	1.1MΔ	MON	3.95%	.85*	CMS	2	7	0.0	5.0	4.0uΔ			200m		-55	125	1	E02120	M393
2	JANM38510/05603AEA	2	650kΔ	MON	3.95%	-.85*	CMS	2	7	0.0	5.0	16uΔ			200m		-55	125	1	E0272	M393
3	JANM38510/05603AFA	2	650kΔ	MON	3.95%	-.85*	CMS	2	7	0.0	5.0	16uΔ			200m		-55	125	1	E0272	FP117
4	JANM38510/05603BEA	2	650kΔ	MON	3.95%	-.85*	CMS	2	7	0.0	5.0	16uΔ			200m		-55	125	1	E0272	M393
5	JANM38510/05603BFA	2	650kΔ	MON	3.95%	-.85*	CMS	2	7	0.0	5.0	16uΔ			200m		-55	125	1	E0272	FP117
6	JANM38510/05603CEA	2	650kΔ	MON	3.95%	-.85*	CMS	2	7	0.0	5.0	16uΔ			200m		-55	125	1	E0272	M393
7	JANM38510/05603CFA	2	650kΔ	MON	3.95%	-.85*	CMS	2	7	0.0	5.0	16uΔ			200m		-55	125	1	E0272	FP117
8	MM4620AD	2	3.0MΔ%	MOS	4.99%	.01*†	CMS	2	12	0.0	5.0	220n			500m	450mΔ	-55	125	1	E02119	M346a
9	MM4620AF	2	3.0MΔ%	MOS	4.99%	.01*†	CMS	2	12	0.0	5.0	220n			500m	450mΔ	-55	125	1	E02119	FP98
10	MM5620AN	2	3.0MΔ%	MOS	4.99%	.01*†	CMS	2	12	0.0	5.0	220n			500m	450mΔ	-40	85	1	E02119	M345
11	MM4624AD	2	5.0MΔ%	MOS	4.99%	.01*†	CMS	2	7	0.0	5.0	200n			500m	450mΔ	-55	125	1	E02120	M297a
12	MM4624AF	2	5.0MΔ%	MOS	4.99%	.01*†	CMS	2	7	0.0	5.0	200n			500m	450mΔ	-55	125	1	E02120	FP97b
13	MM5624AN	2	5.0MΔ%	MOS	4.99%	.01*†	CMS	2	7	0.0	5.0	200n			500m	450mΔ	-40	85	1	E02120	M344
14	SW4017A	2	2.5M%Δ	MOS	5.0	0.0	CMS	13	50	0.0	5.0	350m			200m		-40	85	1	E0259	M117z
15	SW4020A	2	2.5MΔ%	MOS	5.0	0.0	CMS	2	50	0.0	5.0	450n			200m		-40	85	1	E0272	M117z
16	SW4024A	2	2.5MΔ%	MOS	5.0	0.0	CMS	2	50	0.0	5.0	350n			200m		-40	85	1	E0154	M313a
17	TA6179W	2	10M%	MOS	5.0	0.0†	CMS	2		0.0	5.0	125n	10u†	10u†	200m	2.0 Δ	-55	125	1	E0261	Δ001AE
18▼	TP4361AJ	2	2.5M%Δ	MOS	7.1%	2.9*	CMS			0.0	10	350nΔ	5.0u	5.0u	14m%		-40	85	1	E02129	M153d
19▼	TP4361AN	2	2.5MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	350nΔ	5.0u	5.0u	14m%		-40	85	1	E02129	M117x
20▼	TP4363AJ	2	2.5MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	350nΔ	5.0u	5.0u	14m%		-40	85	1	E02129	M153d
21▼	TP4363AN	2	2.5MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	350nΔ	5.0u	5.0u	14m%		-40	85	1	E02129	M117x
22▼	TF4361AJ	2	3.0MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	250nΔ	5.0u	5.0u	6.0m%		-55	125	1	E02129	M153d
23▼	TF4361AN	2	3.0MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	250nΔ	5.0u	5.0u	6.0m%		-55	125	1	E02129	M117x
24▼	TF4363AJ	2	3.0MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	250nΔ	5.0u	5.0u	6.0m%		-55	125	1	E02129	M153d
25▼	TF4363AN	2	3.0MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	250nΔ	5.0u	5.0u	6.0m%		-55	125	1	E02129	M117x
26	HD1-54C161	2	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-55	125	1	E0343	M200q
27	HD1-54C163	2	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-55	125	1	E0343	M200q
28	HD1-74C161	2	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-40	85	1	E0343	M200q
29	HD1-74C163	2	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-40	85	1	E0343	M200q
30	HD9-54C161	2	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-55	125	1	E0343	FP103
31	HD9-54C163	2	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-55	125	1	E0343	FP103
32	HD9-74C161	2	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-40	85	1	E0343	FP103
33	HD9-74C163	2	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-40	85	1	E0343	FP103
34	HD1-54C193	2	10MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-55	125	1	E0344	M200q
35	HD1-74C193	2	10MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-40	85	1	E0344	M200q
36	HD9-54C193	2	10MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-55	125	1	E0344	FP103
37	HD9-74C193	2	10MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-40	85	1	E0344	FP103
38▼	CD40103AD	2	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n			200m		-55	125	1	E01109	Δ001AE
39▼	CD40103AE	2	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n			200m		-55	125	1	E01109	Δ001AC
40▼	CD40103AF	2	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n			200m		-55	125	1	E01109	Δ001AC
41▼	CD40103AK	2	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n			200m		-55	125	1	E01109	Δ004AG
42▼	CD40103AY	2	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n			200m		-55	125	1	E01109	Δ001AC
43♦	MC14024CL,P%	2		MOS	9.99%	.01*†	CMS	2		0.0	10		110n	110n	10u	4.5 †	-40	85	1	E0154	TO116
44♦	MC14024AL	2	8.0 %	MOS	9.99%	.01*†	CMS	2		0.0	10		75n	75n	1.0u	4.5 †	-55	125	1	E0154	TO116
45	CD4060AH	2	4.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	500nΔ	7.5u	7.5u	250u%	4.5 Δ	-55	125	1	E02109	FC☑
46	CD4040AF	2	5.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	450nΔ	7.5u	7.5u	250u%	4.5 Δ	-55	125	1	E0299	Δ001AC
47	HD1-4040A2	2	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	450nΔ	7.5u	7.5u	250u%	4.5 Δ	-55	125	1	E0299	M200q
48	HD1-4040A9	2	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	475nΔ	7.5u	7.5u	1.0m%	4.5 Δ	-40	85	1	E0299	M200q
49	HD9-4040A2	2	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	450nΔ	7.5u	7.5u	250u%	4.5 Δ	-55	125	1	E0299	FP103
50	HD9-4040A9	2	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	475nΔ	7.5u	7.5u	1.0m%	4.5 Δ	-40	85	1	E0299	FP103
51	MC14526AL	2	5.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	250nΔ	50n†	50n†	100u%		-55	125	1	E0293	M200w
52	MC14526CL	2	5.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	300nΔ	50n†	50n†	1.0m%		-40	85	1	E0293	M200w
53	MC14526CP	2	5.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	300nΔ	50n†	50n†	1.0m%		-40	85	1	E0293	M117y
54	CD4520BH	2	6.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	260nΔ			200m	4.5 Δ	-55	125	2	E0198	FC☑
55♦	MC14520AL	2	6.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	100n%	75n†	75n†	4.0u%		-55	125	1	E0293	M191
56♦	MC14520CL	2	6.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	100n%	110n†	110n†	4.0u%		-40	85	1	E0293	M191
57♦	MC14520CP	2	6.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	100n%	110n†	110n†	4.0u%		-40	85	1	E0293	M278
58	SCL4516AC	2	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125		E0199	M475d
59	SCL4516AD	2	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125		E0199	M475e
60	SCL4516AE	2	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-40	85		E0199	M475f
61	SCL4516AF	2	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125		E0199	FP111
62	SCL4516AH	2	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125		E0199	FC☑
63	CD4020AF	2	7.0MΔ%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15u	15u	250u%	4.5 Δ	-55	125	1	E0272	Δ001AC
64	CD4024AF	2	7.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	150nΔ	10u	10u	100u%	4.5 Δ	-55	125	1	E0154	Δ001AB
65	HD1-4020A2	2	7.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	225mΔ	15u	15u	250u%	4.5 Δ	-55	125	1	E0272	M200q
66	HD1-4020A9	2	7.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	250nΔ	15u	15u	1.0m%	4.5 Δ	-40	85	1	E0272	M200q
67	HD1-4024A2	2	7.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	125nΔ	10u	10u	100u%	4.5 Δ	-55	125	1	E0154	M126v
68	HD1-4024A9	2	7.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	150nΔ	10u	10u	1.0m%	4.5 Δ	-40	85	1	E0154	M126v
69	HD9-4020A2	2	7.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	225nΔ	15u	15u	250u%	4.5 Δ	-55	125	1	E0272	FP103
70	HD9-4020A9	2	7.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	250nΔ	15u	15u	1.0m%	4.5 Δ	-40	85	1	E0272	FP103
71	HD9-4024A2	2	7.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	125nΔ	10u	10u	100u%	4.5 Δ	-55	125	1	E0154	TO86
72	HD9-4024A9	2	7.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	150nΔ	10u	10u	1.0m%	4.5 Δ	-40	85	1	E0154	TO86
73	SCL4020AC	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0261	M475d
74	SCL4020AD	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0261	M475e
75	SCL4020AE	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-40	85	1	E0261	M475f
76	SCL4020AF	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0261	FP111
77	SCL4020AH	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0261	FC☑
78	SCL4040AC	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0296	M475d
79	SCL4040AD	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0296	M475e
80	SCL4040AE	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-40	85	1	E0296	M475f
81	SCL4040AF	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0296	FP111
82	SCL4040AH	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0296	FC☑
83	SCL4060AC	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1		M475d
84	SCL4060AD	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1		M475e
85	SCL4060AE	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-40	85	1		M475f
86	SCL4060AF	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1		FP111
87	SCL4060AH	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1		FC☑
88	SCL4404AC	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	250nΔ	5.0uΔ	10uΔ	100u%	4.5	-55	125	1	E0297	M475a
89	SCL4404AD	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	250nΔ	5.0uΔ	10uΔ	100u%	4.5	-55	125	1	E0297	M475b
90	SCL4404AE	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	250nΔ	5.0uΔ	10uΔ	100u%	4.5	-40	85	1	E0297	M475c
91	SCL4404AF	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	250nΔ	5.0uΔ	10uΔ	100u%	4.5	-55	125	1	E0297	FP110
92	SCL4404AH	2	8.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10	250nΔ	5.0uΔ	10uΔ	100u%	4.5	-55	125	1	E0297	FC☑
93♦	MC14020AL	2	9.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10		75n	75n	100u		-55	125	1	E02103	M191
94♦	MC14020CL	2	9.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10		110n	110n	1.0m		-40	85	1	E02103	M191
95♦	MC14020CP	2	9.0M%	MOS	9.99%	.01*†	CMS	2		0.0	10		110n	110n	1.0m		-40	85	1	E02103	M278
96♦	MC14040AL	2	9.0MΔ%	MOS	9.99%	.01*†	CMS	2		0.0	10	200n	75n	75n	200n†		-55	125	1	E0291	M191
97♦	MC14040CL	2	9.0MΔ%	MOS	9.99%	.01*†	CMS	2		0.0	10	200n	110n	110n	200n†		-40	85	1	E0291	M191
98♦	MC14040CP	2	9.0MΔ%	MOS	9.99%	.01*†	CMS	2		0.0	10	200n	110n	110n	200n†		-40	85	1	E0291	M278
99	SCL4024AC	2	10M%	MOS	9.99%	.01*†	CMS	2		0.0	10	145nΔ	10uΔ	10uΔ	100u%	4.5	-55	125	1	E0154	M475a
100	SCL4024AD	2	10M%	MOS	9.99%	.01*†	CMS	2		0.0	10	145nΔ	10uΔ	10uΔ	100u%	4.5	-55	125	1	E0154	M475b
101	SCL4024AE	2	10M%	MOS	9.99%	.01*†	CMS	2		0.0	10	145nΔ	10uΔ	10uΔ	100u%	4.5	-40	85	1	E0154	M475c
102	SCL4024AF	2	10M%	MOS	9.99%	.01*†	CMS	2		0.0	10	145nΔ	10uΔ	10uΔ	100u%	4.5	-55	125	1	E0154	FP110
103	SCL4024AH	2	10M%	MOS	9.99%	.01*†	CMS	2		0.0	10	145nΔ	10uΔ	10uΔ	100u%	4.5	-55	125	1	E0154	FC☑

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SCL4520AC	2	10M%	MOS	9.99%	.01*†	CMS	3		0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-55	125	2	E0292	M475d
2	SCL4520AD	2	10M%	MOS	9.99%	.01*†	CMS	3		0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-55	125	2	E0292	M475e
3	SCL4520AE	2	10M%	MOS	9.99%	.01*†	CMS	3		0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-40	85	2	E0292	M475f
4	SCL4520AF	2	10M%	MOS	9.99%	.01*†	CMS	3		0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-55	125	2	E0292	FP111
5	SCL4520AH	2	10M%	MOS	9.99%	.01*†	CMS	3		0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-55	125	2	E0292	FC☑
6	CD4060AE	2	2.7M	MOS	10	0.0	CMS	4		0.0	10	475nΔ	7.5u	7.5u	200m	4.5 Δ	-40	85	1	E02109	Δ001AC
7	CD4060AD	2	3.0M	MOS	10	0.0	CMS	4		0.0	10	450nΔ	7.5u	7.5u	200m	4.5 Δ	-55	125	1	E02109	Δ001AE
8	CD4060AF	2	3.0M	MOS	10	0.0	CMS	4		0.0	10	450nΔ	7.5u	7.5u	200m	4.5 Δ	-55	125	1	E02109	Δ001AC
9	CD4060AK	2	3.0M	MOS	10	0.0	CMS	4		0.0	10	450nΔ	7.5u	7.5u	200m	4.5 Δ	-55	125	1	E02109	Δ004AG
10	CD4040AD	2	5.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	450nΔ	7.5u	7.5u	250u%	4.5 Δ	-55	125	1	E0299	Δ001AE
11	CD4040AE	2	5.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	475nΔ	7.5u	7.5u	1.0m%	4.5 Δ	-40	85	1	E0299	Δ001AC
12	CD4040AK	2	5.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	450nΔ	7.5u	7.5u	250u%	4.5 Δ	-55	125	1	E0299	Δ004AG
13#	HBC4040AD	2	5.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	450nΔ	15u	7.5u	250u%	4.5 Δ	-55	125	1	E0299	Δ001AE
14#	HBC4040AF	2	5.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	450nΔ	15u	7.5u	250u%	4.5 Δ	-55	125	1	E0299	Δ001AE
15#	HBC4040AK	2	5.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	450nΔ	15u	7.5u	250u%	4.5 Δ	-55	125	1	E0299	Δ004AG
16#	HBF4040AE	2	5.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	475nΔ	15u	7.5u	1.0m%	4.5 Δ	-40	85	1	E0299	Δ001AC
17#	HBF4040AF	2	5.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	475nΔ	15u	7.5u	1.0m%	4.5 Δ	-40	85	1	E0299	Δ001AE
18	CD4520BD	2	6.0M%	MOS	10	0.0	CMS	3		0.0	10	260nΔ			200m	4.5 Δ	-55	125	2	E0198	Δ001AE
19	CD4520BE	2	6.0M%	MOS	10	0.0	CMS	3		0.0	10	260nΔ			200m	4.5 Δ	-40	85	2	E0198	Δ001AC
20	CD4520BF	2	6.0M%	MOS	10	0.0	CMS	3		0.0	10	260nΔ			200m	4.5 Δ	-55	125	2	E0198	Δ001AC
21	CD4520BK	2	6.0M%	MOS	10	0.0	CMS	3		0.0	10	260nΔ			200m	4.5 Δ	-55	125	2	E0198	Δ004AG
22	SCL4404AT	2	6.5MΔ	MOS	10	0.0†	CMS	2	50	0.0	10	150nΔ	1.5mt	35ut	100u%	4.5 Δ	-55	125	1	E0297	T099
23♦	CD4020AD	2	7.0MΔ%	MOS	10	0.0†	CMS	2		0.0	10	150n	15uΔ	15uΔ	250u%	4.5 Δ	-55	125	1	E0272	Δ001AE
24♦	CD4020AE	2	7.0MΔ%	MOS	10	0.0†	CMS	2		0.0	10	150n	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E0272	Δ001AC
25♦	CD4020AK	2	7.0MΔ%	MOS	10	0.0†	CMS	2		0.0	10	150n	15uΔ	15uΔ	250u%	4.5 Δ	-55	125	1	E0272	Δ004AG
26♦	CD4024AD	2	7.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	125nΔ	10uΔ	10uΔ	100u%	4.5 Δ	-55	125	1	E0154	Δ001AD
27♦	CD4024AE	2	7.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	150nΔ	10uΔ	10uΔ	1.0m%	4.5 Δ	-40	85	1	E0154	Δ001AB
28♦	CD4024AK	2	7.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	125nΔ	10uΔ	10uΔ	100u%	4.5 Δ	-55	125	1	E0154	Δ004AF
29♦	CD4024AT	2	7.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	125nΔ	10uΔ	10uΔ	100u%	4.5 Δ	-55	125	1	E0154a	Δ006AG
30#	HBC4020AD	2	7.0MΔ%	MOS	10	0.0†	CMS	2		0.0	10	150nΔ	15uΔ	15uΔ	250u%	4.5 Δ	-55	125	1	E0272	Δ001AE
31#	HBC4020AF	2	7.0MΔ%	MOS	10	0.0†	CMS	2		0.0	10	150nΔ	15uΔ	15uΔ	250u%	4.5 Δ	-55	125	1	E0272	Δ001AE
32#	HBC4020AK	2	7.0MΔ%	MOS	10	0.0†	CMS	2		0.0	10	150nΔ	15uΔ	15uΔ	250u%	4.5 Δ	-55	125	1	E0272	Δ004AG
33#	HBC4024AD	2	7.0MΔ%	MOS	10	0.0†	CMS	2	50	0.0	10	125nΔ	10uΔ	10uΔ	100u%	4.5 Δ	-55	125	1	E0154	Δ001AD
34#	HBC4024AF	2	7.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	125nΔ	10uΔ	10uΔ	100u%	4.5 Δ	-55	125	1	E0154	Δ001AD
35#	HBC4024AK	2	7.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	125nΔ	10uΔ	10uΔ	100u%	4.5 Δ	-55	125	1	E0154	Δ004AF
36#	HBF4020AE	2	7.0MΔ%	MOS	10	0.0†	CMS	2		0.0	10	150nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E0272	Δ001AC
37#	HBF4020AF	2	7.0MΔ%	MOS	10	0.0†	CMS	2		0.0	10	150nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E0272	Δ001AE
38#	HBF4024AE	2	7.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	150nΔ	10uΔ	10uΔ	1.0m%	4.5 Δ	-40	85	1	E0154	Δ001AB
39#	HBF4024AF	2	7.0M%	MOS	10	0.0†	CMS	2	50	0.0	10	150nΔ	10uΔ	10uΔ	1.0m%	4.5 Δ	-40	85	1	E0154	Δ001AD
40#	HBC4045AD	2	10M%	MOS	10	0.0†	CMS	4		0.0	10	2.4uΔ	10u	10u	15u%	4.5 Δ	-55	125	1	E0285	Δ001AE
41#	HBC4045AK	2	10M%	MOS	10	0.0†	CMS	4		0.0	10	2.4uΔ	10u	10u	15u%	4.5 Δ	-55	125	1	E0285	Δ004AG
42#	HBF4045AE	2	10M%	MOS	10	0.0†	CMS	4		0.0	10	3.3uΔ	10u	10u	15u%	4.5 Δ	-55	125	1	E0285	Δ001AC
43	SCL4024AT	2	10M%	MOS	10	0.0	CMS	2	50	0.0	10	125n	10u	10u	100u%	4.5	-55	125	1	E0154	T099
44▼	CD40103BD	2		MOS	15%	.05*†	CMS			0.0	15	250nΔ			200m		-55	125	1	E01109	Δ001AE
45▼	CD40103BE	2		MOS	15%	.05*†	CMS			0.0	15	250nΔ			200m		-55	125	1	E01109	Δ001AC
46▼	CD40103BF	2		MOS	15%	.05*†	CMS			0.0	15	250nΔ			200m		-55	125	1	E01109	Δ001AC
47▼	CD40103BK	2		MOS	15%	.05*†	CMS			0.0	15	250nΔ			200m		-55	125	1	E01109	Δ004AG
48▼	CD40103BY	2		MOS	15%	.05*†	CMS			0.0	15	250nΔ			200m		-55	125	1	E01109	Δ001AC
49	RM213D	2	11Mt	MON	2.0%	1.0*	DTL	7	15	0	6.0				50mt	550m	-55	125	1		M105m
50	RM213G	2	11Mt	MON	2.0%	1.0*	DTL	7	15	0	6.0				50mt	550m	-55	125	1		T084
51	RM213T	2	11Mt	MON	2.0%	1.0*	DTL	7	15	0	6.0				50mt	550m	-55	125	1		T0101
52	SW939-2P	2	30M%	MON	2.0%	1.2*	DTL	6	8†	0.0	8.0				150m	1.0	-55	125	1		
53#	DN851	2		MON	2.6%	.40*	DTL	5	4	0.0	5.0				230m%		-20	65	1	E02100	M294
54	HEPC1039P-RT	2	30M%	MON	2.6%	.45*†	DTL	6	8	0.0	5.0	25nΔ			150mt	1.0 Δ	0	75	1	E0278	T0116
55#	FCJ141	2	7.0M%Δ	MON	3.9%	.40t*	DTL	2	8	0.0	6.0	200n%	200n	200n	180mt	1.2 Δ	0	75	1	E0269	M126f
56	MSC2B	2		PCB	4.0	.40	DTL			0.0	5.0	25n			1.2 †		0	55	2		
57	I101	2	5.0M	PCB	5.0	0.0	DTL	2	10	4.8	5.2	50n	50n	25n	900m	1.0	0	70	12		CB☑
58♦#	FZJ151	2	500k%	MON	7.5%	4.5*	DTL	9	10	0.0	12	200nt	140nt	60nt	240m§	5.0 Δ	0	70	1	E02122	M117aa
59♦#	FZJ155	2	500k%	MON	7.5%	4.5*	DTL	9	10	0.0	12	200nt	140nt	60nt	240m§	5.0 Δ	-25	85	1	E02122	M117aa
60♦#	H156D1	2	1.0M%	MON	8.0%	6.0*	DTL	7	25	0.0	20	600nΔ			720m§	5.0 Δ	0	75	1	E0283	M294
61♦#	H156D2	2	1.0M%	MON	8.0%	6.0*	DTL	7	25	0.0	16	600nΔ			352m§	5.0 Δ	-55	125	1	E0283	M294
62♦#	H156D6	2	1.0M%	MON	8.0%	6.0*	DTL	7	25	0.0	16	600nΔ			464m§	5.0 Δ	-40	85	1	E0283	M443a
63♦#	H256B1	2	1.0M%	MON	8.0%	6.0*	DTL	7	25	0.0	16	600nΔ			720m%	5.0	0	70	1	E0283	M443
64	MC685L	2	500kt∅	MON	12.5%	1.50*†	DTL	8	10	0.0	15				480mt		-30	75	1	E0294	M191
65	MC685P	2	500kt∅	MON	12.5%	1.50*†	DTL	8	10	0.0	15				480mt		-30	75	1	E0294	M278
66	MC10178L	2	150Mt%	MON	-.96%	-1.6*†	ECT	7		5.2	0.0	6.0n%	2.5nt	2.5nt	370mt		-30	85	1	E02104	M191
67	MC10178P	2	150Mt%	MON	-.96%	-1.6*†	ECT	7		5.2	0.0	6.0n%	2.5nt	2.5nt	370mt		-30	85	1	E02104	M278
68	MC1654L	2	325Mt%	MON	-.96%	-1.6*†	ECT	7		5.2	0.0		2.7n	2.6n	750mt		-30	85	1	E0288	M191
69	MC1699F	2	1.2G%		-.96%	-1.6*†	ECT			7.0	0.0						-30	85		E02116	FP85
70	S54161E	2	25MΔ	MON	2.0%	.85*.	ECT	9	20	5.2	0.0	35nΔ			325mt	200m	-55	125	1	E0271	M153a
71	S54161R	2	25MΔ	MON	2.0%	.85*	ECT	9	20	5.2	0.0	35nΔ			325mt	200m	-55	125	1	E0271	FP79a
72	MC777P	2	4.0Mt	MON	.85%	.46*	RTL	6	10	0.0	3.6				180mt		15	55	1	E0244	TO116
73	MC877P	2	4.0Mt	MON	.88%	.50*	RTL	6	10	0.0	3.6				180mt		0	75	1	E0244	TO116
74	S2567	2		MOS	.30%	-18	TTL	7		15	0.0				250m		0	60	1	E02121	M505
75#	MIC64161J	2	15M%	MON	1.7%	.90*	TTL	4	6	0.0	5.0	20n			300mt		-48	85	1	E0147	M153a
76	9316FC	2	15M%	MON	1.8%	.85*	TTL	4	6	0.0	5.0	20n			300mt	400m	0	75	1	E0147	FP47a
77	5524B	2	20MΔ	PCB	2.0%	.45*	TTL	8	10	0.0	7.0	37nΔ			975mt		0	70	3		CB62
78	5523	2	25MΔ	PCB	2.0%	.45*	TTL	9	10	0.0	7.0	23n			975mt		0	70	3		CB62
79	5523B	2	25MΔ	PCB	2.0%	.45*	TTL	9	10	0.0	7.0	23n			975mt		0	70	3		CB62
80	5524	2	25MΔ	PCB	2.0%	.45*	TTL	8	10	0.0	7.0	35n			975mt		0	70	3	E0274	CB62
81	5522	2	50MΔ%	PCB	2.0%	.45*	TTL	6	10	0.0	5.0	38n			1.0 †		0	70	4		CB62
82	SN54L193J	2	7.0M%	MON	2.0%	.70*	TTL	8	10	0.0	5.0	135n%			43mt	1.0 Δ	-55	125	1	E0332a	M153d
83	SN74L193J	2	7.0M%	MON	2.0%	.70*	TTL	8	10	0.0	5.0	135n%			43mt	1.0 Δ	0	70	1	E0332a	M153d
84	SN74L193N	2	7.0M%	MON	2.0%	.70*	TTL	8	10	0.0	5.0	135n%			43mt	1.0 Δ	0	70	1	E0332a	M117x
85	DM54L193F	2	12MΔ%	MON	2.0%	.70*	TTL	10	20	0.0	5.0	150nΔ			40mt		-55	125	1	E0332a	FP88b
86	DM54L193J	2	12MΔ%	MON	2.0%	.70*	TTL	10	20	0.0	5.0	150nΔ			40mt		-55	125	1	E0332a	M200r
87	DM54L193N	2	12MΔ%	MON	2.0%	.70*	TTL	10	20	0.0	5.0	150nΔ			40mt		-55	125	1	E0332a	M345
88	DM74L193F	2	12MΔ%	MON	2.0%	.70*	TTL	10	20	0.0	5.0	150nΔ			40mt		0	70	1	E0332a	FP88b
89	DM74L193J	2	12MΔ%	MON	2.0%	.70*	TTL	10	20	0.0	5.0	150nΔ			40mt		0	70	1	E0332a	M200r
90	DM74L193N	2	12MΔ%	MON	2.0%	.70*	TTL	10	20	0.0	5.0	150nΔ			40mt		0	70	1	E0332a	M345
91	93L16DC	2	13M%	MON	2.0%	.70*	TTL	9		0.0	5.0	95nΔ			75mt		0	75	1	E0147	M246
92	93L16DM	2	13M%	MON	2.0%	.70*	TTL	9		0.0	5.0	95nΔ			75mt		-55	125	1	E0147	M246
93	93L16FM	2	13M%	MON	2.0%	.70*	TTL	9		0.0	5.0	95nΔ			75mt		-55	125	1	E0147	FP79b
94	93L16PC	2	13M%	MON	2.0%	.70*	TTL	9		0.0	5.0	95nΔ			75mt		0	75	1	E0147	M357
95	DM76L76F	2	13M%	MON	2.0%	.70*	TTL	10		0.0	5.0	140nΔ			32mt		-55	125	1	E0179	FP88b
96	DM76L76J	2	13M%	MON	2.0%	.70*	TTL	10		0.0	5.0	140nΔ			32mt		-55	125	1	E0179	M200r
97	DM76L76N	2	13M%	MON	2.0%	.70*	TTL	10		0.0	5.0	140nΔ			32mt		-55	125	1	E0179	M345
98	DM86L76F	2	13M%	MON	2.0%	.70*	TTL	10		0.0	5.0	140nΔ			32mt		0	70	1	E0179	FP88b
99	DM86L76J	2	13M%	MON	2.0%	.70*	TTL	10		0.0	5.0	140nΔ			32mt		0	70	1	E0179	M200r
100	DM86L76N	2	13M%	MON	2.0%	.70*	TTL	10		0.0	5.0	140nΔ			32mt		0	70	1	E0179	M345
101	DM54L93F	2	15Mt%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	400nΔ			18mt		-55	125	1	E0235	FP87a
102	DM54L93J	2	15Mt%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	400nΔ			18mt		-55	125	1	E0235	M294b
103	DM54L93N	2	15Mt%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	400nΔ			18mt		-55	125	1	E0235	M344
104	DM74L93F	2	15Mt%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	400nΔ			18mt		0	70	1	E0235	FP87a
105	DM74L93J	2	15Mt%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	400nΔ			18mt		0	70	1	E0235	M294b
106	DM74L93N	2	15Mt%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	400nΔ			18mt		0	70	1	E0235	M344
107	DM76L93F	2	15Mt%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	400nΔ			18mt		-55	125	1	E0234a	FP87a
108	DM76L93J	2	15Mt%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	400nΔ			18mt		-55	125	1	E0234a	M294b
109	DM76L93N	2	15Mt%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	400nΔ			18mt		-55	125	1	E0234a	M344
110	DM86L93F	2	15Mt%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	400nΔ			18mt		0	70	1	E0234a	FP87a

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	DM86L93J	2	15Mt%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	400nΔ			18mt		0	70	1	E0234a	M294b
2	DM86L93N	2	15Mt%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	400nΔ			18mt		0	70	1	E0234a	M344
3	SN54LS161J	2	25MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	38nΔ			93mt	300m	-55	125	1	E0166	M153d
4	SN54LS161W	2	25MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	38nΔ			93mt	300m	-55	125	1	E0166	Δ004AG
5	SN54LS163J	2	25MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	38nΔ			93mt	300m	-55	125	1	E0166	M153d
6	SN54LS163W	2	25MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	38nΔ			93mt	300m	-55	125	1	E0166	Δ004AG
7	SN54LS197J	2	50MΔ	MON	2.0%	.70*	TTL	8	20	0.0	5.0	42nΔ			60m%	1.0 Δ	-55	125	1	E0167a	M157b
8	SN54LS197W	2	50MΔ	MON	2.0%	.70*	TTL	8	20	0.0	5.0	42nΔ			60m%	1.0 Δ	-55	125	1	E0167a	Δ004AA
9	SN74LS197J	2	50MΔ	MON	2.0%	.70*	TTL	8	20	0.0	5.0	42nΔ			60m%	1.0 Δ	0	70	1	E0167a	M157b
10	SN74LS197N	2	50MΔ	MON	2.0%	.70*	TTL	8	20	0.0	5.0	42nΔ			60m%	1.0 Δ	0	70	1	E0167a	M126e
11#	M53393P	2		MON	2.0%	.80*	TTL	8	60	0.0	7.0					1.0 Δ	0	75	1	E0257	M153b
12	SN54393J	2	35m%	MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			190m%	1.0 Δ	-55	125	2	E02107	M153d
13#	FJJ211-7493	2	10M	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135n	10n	10n	128mt	1.0 Δ	0	70	1	E0268	M126f
14#	FJJ251-7492	2	10M	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100n	10n	10n	155mt	1.0 Δ	0	70	1	E0267	M126f
15▼	JANM38510/01302BAA	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	112nΔ			268m		-55	125	1	E0253	FP115
16▼	JANM38510/01302BAB	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	112nΔ			268m		-55	125	1	E0253	FP115
17▼	JANM38510/01302BAC	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	112nΔ			268m		-55	125	1	E0253	FP115
18▼	JANM38510/01302BCA	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	112nΔ			268m		-55	125	1	E0253	M314
19♦	JANM38510/01302BCB	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	112nΔ			268m		-55	125	1	E0253	M314
20♦	JANM38510/01302BCC	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	112nΔ			268m		-55	125	1	E0253	M314
21▼	JANM38510/01302CAA	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	112nΔ			268m		-55	125	1	E0253	FP115
22▼	JANM38510/01302CAB	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	112nΔ			268m		-55	125	1	E0253	FP115
23▼	JANM38510/01302CAC	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	112nΔ			268m		-55	125	1	E0253	FP115
24▼	JANM38510/01302CCA	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	112nΔ			268m		-55	125	1	E0253	M314
25♦	JANM38510/01302CCB	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	112nΔ			268m		-55	125	1	E0253	M314
26♦	JANM38510/01302CCC	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	112nΔ			268m		-55	125	1	E0253	M314
27	SW7493J	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.25	135nΔ			160mt	1.0	0	70	1	E0235	M114
28	SW7493N	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.25	135nΔ			160mt	1.0	0	70	1	E0235	M105n
29♦	N7493A	2	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			265m§	1.0 †	0	70	1	E0254	M318
30▼	N7493F	2	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			265m§	1.0 †	0	70	1	E0254	M257f
31♦	S5493A	2	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			230m§	1.0 †	-55	125	1	E0254	M318
32♦	S5493F	2	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			230m§	1.0 †	-55	125	1	E0254	M257f
33▼	S5493W	2	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			230m§	1.0 †	-55	125	1	E0254	FP39e
34#	TL7492N	2	18Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			267mt		0	70	1	E0234	M126n
35#	TL7493N	2	18Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			267mt		0	70	1	E0234a	M126n
36♦#	ZN7493E	2	18M%	MON	2.0%	.80*	TTL	2		0.0	5.0	135nΔ			160m%		0	70	1	E0295	M126
37♦#	ZN7493F	2	18M%	MON	2.0%	.80*	TTL	2		0.0	5.0	135nΔ			160m%		0	70	1	E0295	TO86
38▼	JANM38510/01304BEB	2	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	M323
39♦	JANM38510/01304BFB	2	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	FP117
40▼	JANM38510/01304CEB	2	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	M323
41♦	JANM38510/01304CFB	2	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	FP117
42▼	JANM38510/01306BEB	2	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	M323
43♦	JANM38510/01306BFB	2	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	FP117
44▼	JANM38510/01306CEB	2	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	M323
45♦	JANM38510/01306CFB	2	20MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	58nΔ			500m		-55	125	1	E0166	FP117
46	DM54191J	2	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	54nΔ			525m%		-55	125	1	E0182	M200r
47	DM54191W	2	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	54nΔ			525m%		-55	125	1	E0182	FP88a
48	DM74191J	2	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	54nΔ			525m%		0	70	1	E0182	M200r
49	DM74191N	2	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	54nΔ			525m%		0	70	1	E0182	M345
50	DM74191W	2	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	54nΔ			525m%		0	70	1	E0182	FP88a
51#	FLJ211-74191	2	25M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	52nΔ			525m§	1.0 Δ	0	70	1	E0320	M117w
52#	FLJ215-84191	2	25M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	52nΔ			525m§	1.0 Δ	-25	85	1	E0320	M117w
53▼#	M53361P	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	400m	0	75	1	E0166	M153b
54▼#	M53363P	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	400m	0	75	1	E0166	M153b
55#	M53391P	2	25M%Δ	MON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ	10n	10n	325mt		0	75	1	E0320	M153b
56♦#	MIC54161J	2	25MØΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	35nΔ			305mt		-55	125	1	E0147	M153g
57♦#	MIC54163J	2	25MØΔ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	35nΔ			305mt	1.0 Δ	-55	125	1	E0271	M153g
58#	MIC54191J	2	25MΔ%	MON	2.0%	.80*	TTL	8	20	0.0	5.0	24n%			325mt	1.0 Δ	-55	125	1	E0320	M153a
59#	MIC64163J	2	25MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	17n%			505m%	1.0 Δ	-40	85	1	E0271	M153a
60#	MIC64191J	2	25MΔ%	MON	2.0%	.80*	TTL	8	20	0.0	5.0	24n%			325mt	1.0 Δ	-40	85	1	E0320	M153a
61♦#	MIC74161J	2	25MØΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	35nΔ			305mt		0	75	1	E0147	M153g
62♦#	MIC74161N	2	25MØΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	35nΔ			305mt		0	75	1	E0147	M117ab
63♦#	MIC74163J	2	25MØΔ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	35nΔ			305mt	1.0 Δ	0	75	1	E0271	M153g
64♦#	MIC74163N	2	25MØΔ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	35nΔ			305mt	1.0 Δ	0	75	1	E0271	M117ab
65#	MIC74191J	2	25MΔ%	MON	2.0%	.80*	TTL	8	20	0.0	5.0	24n%			325mt	1.0 Δ	0	75	1	E0182	M153a
66#	MIC74191N	2	25MΔ%	MON	2.0%	.80*	TTL	8	20	0.0	5.0	24n%			325mt	1.0 Δ	0	75	1	E0320	M153a
67▼	N74191B	2	25M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	52nΔ			525m§	1.0 †	0	70	1	E0191	M317
68▼	N74191F	2	25M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	52nΔ			525m§	1.0 †	0	70	1	E0191	M200v
69▼	N74191W	2	25M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	52nΔ			525m§	1.0 †	0	70	1	E0191	FP47g
70♦	N74193B	2	25M	MON	2.0%	.80*	TTL	8		0.0	5.0	47nΔ			510m§	1.0 †	0	70	1	E0257	M317
71▼	N74193F	2	25M	MON	2.0%	.80*	TTL	8		0.0	5.0	47nΔ			510m§	1.0 †	0	70	1	E0257	M200v
72	S54162E	2	25MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			325mt		-55	125	1	E0164	M153a
73	S54162R	2	25MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			325mt		-55	125	1	E0164	FP79a
74▼	S54191B	2	25M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	52nΔ			525m§	1.0 †	-55	125	1	E0191	M317
75▼	S54191F	2	25M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	52nΔ			525m§	1.0 †	-55	125	1	E0191	M200v
76▼	S54191W	2	25M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	52nΔ			525m§	1.0 †	-55	125	1	E0191	FP47g
77♦	S54193B	2	25M	MON	2.0%	.80*	TTL	8		0.0	5.0	47nΔ			445m§	1.0 †	-55	125	1	E0257	M317
78	S54193E	2	25M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	26n					-55	125	1	E0328	M153a
79▼	S54193F	2	25M	MON	2.0%	.80*	TTL	8		0.0	5.0	47nΔ			445m§	1.0 †	-55	125	1	E0257	M200v
80	S54193R	2	25M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	26n					-55	125	1	E0328	FP79a
81▼	S54193W	2	25M	MON	2.0%	.80*	TTL	8		0.0	5.0	47nΔ			445m§	1.0 †	-55	125	1	E0257	FP47g
82	SN54LS191J	2	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ			70m%		-55	125	1	E0320	M153d
83	SN54LS191W	2	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ			70m%		-55	125	1	E0320	Δ004AG
84	SN74LS161J	2	25MΔØ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	38nΔ			93mt	400m	0	70	1	E0166	M153d
85	SN74LS161N	2	25MΔØ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	38nΔ			93mt	400m	0	70	1	E0166	M117x
86	SN74LS163J	2	25MΔØ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	38nΔ			93mt	400m	0	70	1	E0166	M153d
87	SN74LS163N	2	25MΔØ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	38nΔ			93mt	400m	0	70	1	E0166	M117x
88	SN74LS191J	2	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ			70m%		0	70	1	E0320	M153d
89	SN74LS191N	2	25MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ			70m%		0	70	1	E0320	M117x
90	SN74S163J	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	25nΔ			475mt	300m	0	70	1	E0166	M153d

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN74S163N	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	25nΔ			475mt	300m	0	70	1	E0166	M117x
2	SN54161J	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	400m	-55	125	1	E0166	M153d
3	SN54161W	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	400m	-55	125	1	E0166	Δ004AG
4	SN54163J	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	400m	-55	125	1	E0166	M153d
5	SN54163W	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	400m	-55	125	1	E0166	Δ004AG
6	SN54191J	2	25M%	ΔMON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ	10n	10n	325mt		-55	125	1	E0320	M153d
7	SN54191N	2	25M%	ΔMON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ	10n	10n	325mt		-55	125	1	E0320	M117m
8	SN54191W	2	25MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	50nΔ	10n	10n	325mt	1.0	-55	125	1	E0320	Δ004AG
9	SN74161J	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	400m	-55	125	1	E0166	M153d
10	SN74161N	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	400m	-55	125	1	E0166	M117x
11	SN74163J	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	400m	-55	125	1	E0166	M153d
12	SN74163N	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	400m	-55	125	1	E0166	M117x
13	SN74191J	2	25M%	ΔMON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ	10n	10n	325mt		0	70	1	E0320	M153d
14	SN74191N	2	25M%	ΔMON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ	10n	10n	325mt		0	70	1	E0320	M117x
15#	T74193B1	2	25M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m§		0	70	1		M267c
16#	T74193D1	2	25M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m§		0	70	1	E0257	M200y
17#	T74193D2	2	25M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m§		-55	125	1	E0257	M200y
18#	TL74191N	2	25Mt%	MON	2.0%	.80*	TTL	10	10	0.0	5.0	52nΔ			551mt		0	70	1	E0320	M117u
19#	ZN54161E	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	1.0 Δ	-55	125	1	E0166	TO116
20#	ZN54161J	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	1.0 Δ	-55	125	1	E0166	M257e
21#	ZN54163E	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	1.0 Δ	-55	125	1	E0166	TO116
22#	ZN54163J	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	1.0 Δ	-55	125	1	E0166	M257e
23#	ZN54191E	2	25M%	ΔMON	2.0%	.80*	TTL	8	10	0.0	5.0	50nΔ	10n	10n	325mt	1.0 Δ	-55	125	1	E0320	TO116
24#	ZN54191J	2	25M%	ΔMON	2.0%	.80*	TTL	8	10	0.0	5.0	50nΔ	10n	10n	325mt	1.0 Δ	-55	125	1	E0320	M257e
25#	ZN74161E	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	1.0 Δ	0	70	1	E0166	TO116
26#	ZN74161J	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	1.0 Δ	0	70	1	E0166	M257e
27#	ZN74163E	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	1.0 Δ	0	70	1	E0166	TO116
28#	ZN74163J	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305mt	1.0 Δ	0	70	1	E0166	M257e
29#	ZN74191E	2	25MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	50nΔ	10n	10n	325mt	1.0 Δ	0	70	1	E0320	TO116
30#	ZN74191J	2	25MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	50nΔ	10n	10n	325mt	1.0 Δ	0	70	1	E0320	M257e
31	9366FC	2	30M%	MON	2.0%	.80*	TTL	8	6	0.0	5.0	47nΔ			300mt		0	75	1	E0257	FP47b
32	DM7563J	2	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		-55	125	1	E0257	M200r
33	DM7563W	2	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		-55	125	1	E0257	FP88a
34	DM8563J	2	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		0	70	1	E0257	M200r
35	DM8563N	2	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		0	70	1	E0257	M345
36	DM54193J	2	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		-55	125	1	E0257	M200r
37	DM54193W	2	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		-55	125	1	E0257	FP88a
38	DM74193J	2	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		0	70	1	E0257	M200r
39	DM74193N	2	30MΔ%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m%		0	70	1	E0257	M345
40#	FLJ251-74193	2	32M%	ΔMON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m§	1.0 Δ	0	70	1	E0257	M117w
41#	FLJ255-84193	2	32M%	ΔMON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m§	1.0 Δ	-25	85	1	E0257	M117w
42#	FLJ411-74161	2	32M%	ΔMON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			505m§	1.0 Δ	0	70	1	E0271	M117w
43#	FLJ415-84161	2	32M%	ΔMON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			505m§	1.0 Δ	-25	85	1	E0271	M117w
44#	FLJ431-74163	2	32M%	ΔMON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			505m§	1.0 Δ	0	70	1	E0271	M117w
45#	FLJ435-84163	2	32M%	ΔMON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			505m§	1.0 Δ	-25	85	1	E0271	M117w
46▼#	GFB74193	2	32M	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325mt	1.0 Δ	0	70	1	E0257	M200f
47♦#	MIC54193J	2	32M%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325mt		-55	125	1	E0257	M153g
48#	MIC64193J	2	32M%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325mt		-40	85	1	E0257	M153a
49♦#	MIC74193J	2	32M%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325mt		0	75	1	E0257	M153g
50♦#	MIC74193N	2	32M%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325mt		0	75	1	E0257	M117ab
51♦	N74161B	2	32M%	ΔMON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			505m§	1.0 †	0	70	1	E0271	M317
52▼	N74161F	2	32M%	ΔMON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			505m§	1.0 †	0	70	1	E0271	M200v
53♦	N74163B	2	32M%	ΔMON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			505m§	1.0 †	0	70	1	E0271	M317
54▼	N74163F	2	32M%	ΔMON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			505m§	1.0 †	0	70	1	E0271	M200v
55♦	S54161B	2	32M%	ΔMON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			455m§	1.0 †	-55	125	1	E0271	M317
56▼	S54161F	2	32M%	ΔMON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			455m§	1.0 †	-55	125	1	E0271	M200v
57▼	S54161W	2	32M%	ΔMON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			455m§	1.0 †	-55	125	1	E0271	FP47g
58♦	S54163B	2	32M%	ΔMON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			455m§	1.0 †	-55	125	1	E0271	M317
59▼	S54163F	2	32M%	ΔMON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			455m§	1.0 †	-55	125	1	E0271	M200v
60▼	S54163W	2	32M%	ΔMON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			455m§	1.0 †	-55	125	1	E0271	FP47g
61#	SFC4193E	2	32M%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325mt		0	70	1	E0257	M117
62#	SFC4193EM	2	32M%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325mt		-55	125	1	E0257	M117
63#	SFC4193ET	2	32M%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325mt		-25	85	1	E0257	M117
64	SN54LS193J	2	32MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	47nΔ			85m%		-55	125	1	E0332a	M153d
65	SN54LS193W	2	32MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	47nΔ			85m%		-55	125	1	E0332a	M117x
66	SN74LS193J	2	32MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	47nΔ			85m%		0	70	1	E0332a	M153d
67	SN74LS193N	2	32MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	47nΔ			85m%		0	70	1	E0332a	M117x
68	SN29316J	2	32MΔ%	MON	2.0%	.80*	TTL			0.0	5.0	35nΔ			315m%		0	75	1	E0166	M153d
69	SN29316N	2	32MΔ%	MON	2.0%	.80*	TTL			0.0	5.0	35nΔ			315m%		0	75	1	E0166	M117x
70	SN39316J	2	32MΔ%	MON	2.0%	.80*	TTL			0.0	5.0	35nΔ			315m%		-55	125	1	E0166	M153d
71	SN54193J	2	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325mt		-55	125	1	E0332a	M153d
72	SN54193N	2	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325mt		-55	125	1	E0257	M117
73	SN54193W	2	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325mt		-55	125	1	E0332a	Δ004AG
74	SN74193J	2	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325mt		0	70	1	E0332a	M153d
75	SN74193N	2	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325mt		0	70	1	E0332a	M117x
76	SW74161J	2	32M%	MON	2.0%	.80*	TTL	4		0.0	5.0	35nΔ	10n	10n	325mt		0	70	1	E0271	M117
77	SW74163J	2	32M%	MON	2.0%	.80*	TTL	4		0.0	5.0	35nΔ	10n	10n	325mt		0	70	1	E0271	M117
78#	TL74161N	2	32Mt%	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			511mt		0	70	1	E0166	M117u
79#	TL74163N	2	32Mt%	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			511mt		0	70	1	E0166	M117u
80#	TL74193N	2	32Mt%	MON	2.0%	.80*	TTL	10	10	0.0	5.0	47nΔ			535mt		0	70	1	E0257	M117u
81#	ZN54193E	2	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325mt	1.0	-55	125	1	E0332a	TO116
82#	ZN54193J	2	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325mt	1.0	-55	125	1	E0332a	M257e
83#	ZN74193E	2	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325mt	1.0	0	70	1	E0332a	TO116
84#	ZN74193J	2	32M%	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325mt	1.0	0	70	1	E0332a	M257e
85	DM54161N	2	35MΔ%	MON	2.0%	.80*	TTL	9		0.0	5.0	35nΔ			455m%		-55	125	1	E0166	M345
86	DM54163N	2	35MΔ%	MON	2.0%	.80*	TTL	9		0.0	5.0	35nΔ			455m%		-55	125	1	E0271	M345
87	DM74161N	2	35MΔ%	MON	2.0%	.80*	TTL	9		0.0	5.0	35nΔ			455m%		0	70	1	E0166	M345
88	DM74163N	2	35MΔ%	MON	2.0%	.80*	TTL	9		0.0	5.0	35nΔ			455m%		0	70	1	E0271	M345
89	SN54393W	2	35M%	MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			190m%	1.0 Δ	-55	125	2	E02107	Δ004AG
90	SN74393J	2	35M%	MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			190m%	1.0 Δ	0	70	2	E02107	M153d
91	SN74393N	2	35M%	MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			190m%	1.0 Δ	0	70	2	E02107	M117x
92	SN54S163J	2	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	25nΔ			475mt	300m	-55	125	1	E0166	M153d
93	SN54S163W	2	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	25nΔ			475mt	300m	-55	125	1	E0166	Δ004AG
94▼#	FLJ181-7493A	2	42MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	70nΔ			195m§		0	70	1	E0234	M126p
95▼#	FLJ185-8493A	2	42MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	70nΔ			195m§		-25	85	1	E0234	M126p
96	DM7556N	2	50M	MON	2.0%	.80*	TTL	5		0.0	5.0	27n			375mt		-55	125	1	E02112	M345
97	DM8556N	2	50M	MON	2.0%	.80*	TTL	5		0.0	5.0	27n			375mt		0	70	1	E02112	M345
98	SN54197J	2	50MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	42nΔ		5.0n	240mt		-55	125	1	E0167a	M157b
99	SN54197N	2	50M	MON	2.0%	.80*	TTL	8		0.0	5.0	38nΔ		5.0n	240mt		-55	125	1	E0266	M126e
100	SN74197J	2	50MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	42nΔ		5.0n	240mt		0	70	1	E0167a	M157b
101	SN74197N	2	50MΔ%	MON	2.0%	.80*	TTL	8		0.0	5.0	63nΔ		5.0n	240mt		0	70	1	E0167a	M126e
102#	FLJ391-74197	2	70M%	ΔMON	2.0%	.80*	TTL	8	10	0.0	5.0	63nΔ			295m§	1.0 Δ	0	70	1	E0266	M126p
103#	FLJ395-84197	2	70M%	ΔMON	2.0%	.80*	TTL	8	10	0.0	5.0	63nΔ			295m§	1.0 Δ	-25	85	1	E0266	M126p
104♦#	FLJ501-49704	2	70M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	38nΔ			590m§	1.0 Δ	0	70	2	E02102	M117w
105♦#	FLJ505-49804	2	70M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	38nΔ			590m§	1.0 Δ	-25	85	2	E02102	M117w
106	HEPC3801P-RT	2		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	60n			160mt		0	70	1	E0279	TO116
107	MC5493F	2		MON	2.4%	.40*†	TTL	6	10	0.0	5.0	20n			160mt		-55	125	1	E0253	TO86
108	MC5493L	2		MON	2.4%	.40*†	TTL	6	10	0.0	5.0	20n			160mt		-55	125	1	E0253	TO116
109	MC7493F	2		MON	2.4%	.40*†	TTL	6	10	0.0	5.0	20n			160mt		0	75	1	E0253	TO86
110	MC7493L,P%	2		MON	2.4%	.40*†	TTL	6	10	0.0	5.0	20n			160mt		0	75	1	E0253	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	MIC9316-1B	2			2.4%	.40*	TTL	10	6	0.0	5.0	14n			300mt		-55	125	1	E0147	FP47b
2♦	MIC9316-1D	2			2.4%	.40*	TTL	10	6	0.0	5.0	14n			300mt		-55	125	1	E0147	M153a
3	MC54455L	2	12M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0				600mt		-55	125	2	E0337	M291
4	MC74455L	2	12M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0				600mt		0	75	2	E0337	M291
5	MC74455P	2	12M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0				600mt		0	75	2	E0337	M237
6	US5493J	2	20M	MON	2.4%	.40*	TTL	1	10	0.0	5.0	50n	10nt	10nt	160mΔ	1.0 Δ	-55	125	1	E0235	TO88
7	MC54193F	2	25M	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	31n%			325mt		-55	125	1	E0332	FP85
8	MC54193L	2	25M	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	31n%			325mt		-55	125	1	E0332	M191
9	MC74193F	2	25M	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	31n%			325mt		0	75	1	E0332	FP85
10	MC74193L	2	25M	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	31n%			325mt		0	75	1	E0332	M191
11	MC74193P	2	25M	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	31n%			325mt		0	75	1	E0332	M278
12♦	MIC9316-5B	2			2.4%	.45*	TTL	10	6	0.0	5.0	14n			300mt		0	75	1	E0147	FP47b
13♦	MIC9316-5D	2			2.4%	.45*	TTL	10	6	0.0	5.0	14n			300mt		0	75	1	E0147	M153a
14♦	54R193	2	35M		2.5	.40	TTL		10	0.0	5.0	34n			445m		-55	125			
15♦	74R193	2	35M		2.5	.40	TTL		10	0.0	5.0	34n			445m		0	75			
16♦	SN54S197J	2	100M%	MON	2.5	.50	TTL	8	10	0.0	5.0	9.0n			400mt	1.0 Δ	-55	125	1	E0266	M157b
17♦	SN54S197W	2	100M%	MON	2.5	.50	TTL	8	10	0.0	5.0	9.0n			400mt	1.0 Δ	-55	125	1	E0266	Δ004AA
18	N8284Q	2		MON	2.6%	.40†	TTL	6	12	0.0	5.0		5.0n	5.0n	420m		0	75	1	E0251	TO88
19	N8293A	2	10Mt%	MON	2.6%	.40†	TTL	8	4	0.0	5.0		5.0n	5.0n	69m		0	75	1	E0250	M105q
20	N8293F	2	10Mt%	MON	2.6%	.40†*	TTL	8		0.0	5.0				69m		0	75	1	E0250	M157
21	N8293Q	2	10Mt%	MON	2.6%	.40†	TTL	8	4	0.0	5.0		5.0n	5.0n	69m		0	75	1	E0250	TO88
22	S8293A	2	10Mt%	MON	2.6%	.40†	TTL	8	4	0.0	5.0		5.0n	5.0n	69m		-55	125	1	E0250	M105q
23	S8293F	2	10Mt%	MON	2.6%	.40†*	TTL	8		0.0	5.0				69m		-55	125	1	E0250	M157
24	S8293Q	2	10Mt%	MON	2.6%	.40†	TTL	8	4	0.0	5.0		5.0n	5.0n	69m		-55	125	1	E0250	TO88
25	N8281F	2	25Mt%	MON	2.6%	.40†*	TTL	8		0.0	5.0	25n%Δ			236m		0	75	1	E0237	M157
26	N8281Q	2	25Mt%	MON	2.6%	.40†*	TTL	8		0.0	5.0	25n%Δ			236m		0	75	1	E0237a	TO88
27	N8288A	2	25Mt%	MON	2.6%	.40†	TTL	8	8	0.0	5.0		5.0n	5.0n	194m		0	75	1	E0248	M105q
28	N8288F	2	25Mt%	MON	2.6%	.40†*	TTL	8		0.0	5.0				236m		0	75	1	E0248	M157
29	N8288Q	2	25Mt%	MON	2.6%	.40†	TTL	8	8	0.0	5.0		5.0n	5.0n	194m		0	75	1	E0248	TO88
30	S8281F	2	25M%	MON	2.6%	.40†*	TTL	8		0.0	5.0	25n%Δ			236m		-55	125	1	E0237	M157
31	S8281Q	2	25M%	MON	2.6%	.40†*	TTL	8		0.0	5.0	25n%Δ			236m		-55	125	1	E0237a	TO88
32	S8288A	2	25Mt%	MON	2.6%	.40†	TTL	8	8	0.0	5.0		5.0n	5.0n	194m		-55	125	1	E0248	M105a
33	S8288F	2	25Mt%	MON	2.6%	.40†*	TTL	8		0.0	5.0				236m		-55	125	1	E0248	M157
34	S8288Q	2	25Mt%	MON	2.6%	.40†	TTL	8	8	0.0	5.0		5.0n	5.0n	194m		-55	125	1	E0248	TO88
35	N8291A	2	60Mt%	MON	2.6%	.40†	TTL	8	12	0.0	5.0		5.0n	5.0n	255m		0	75	1	E0250	M105q
36	N8291F	2	60Mt%	MON	2.6%	.40†*	TTL	8		0.0	5.0				255m		0	75	1	E0250	M157
37	N8291Q	2	60Mt%	MON	2.6%	.40†	TTL	8	12	0.0	5.0		5.0n	5.0n	255m		0	75	1	E0250	TO88
38	S8291A	2	60Mt%	MON	2.6%	.40†	TTL	8	12	0.0	5.0		5.0n	5.0n	255m		-55	125	1	E0250	M105q
39	S8291F	2	60Mt%	MON	2.6%	.40†*	TTL	8		0.0	5.0				255m		-55	125	1	E0250	M157
40	S8291Q	2	60Mt%	MON	2.6%	.40†	TTL	8	12	0.0	5.0		5.0n	5.0n	255m		-55	125	1	E0250	TO88
41♦	N8281A	2	25Mt%	MON	2.6%	.50*†	TTL	8	8	0	5.0	25n%Δ		50n	194m	1.0 Δ	0	75	1	E0237	TO116
42♦	S8281A	2	25Mt%	MON	2.6%	.50*†	TTL	8	8	0	5.0	25n%Δ		50n	194m	1.0 Δ	-55	125	1	E0237	TO116
43▼	N74S197A	2	100Mt%	MON	2.6%	.50*†	TTL	8	20	0.0	5.0				461m§	1.0 †	0	70	1	E0250	M318
44▼	N74S197F	2	100Mt%	MON	2.6%	.50*†	TTL	8	20	0.0	5.0				461m§	1.0 †	0	70	1	E0250	M257f
45♦	SN74S197J	2	100M%	MON	2.7	.50	TTL	8	10	0.0	5.0	9.0n			400mt	1.0 Δ	0	70	1	E0266	M157b
46♦	SN74S197N	2	100M%	MON	2.7	.50	TTL	8	10	0.0	5.0	9.0n			400mt	1.0 Δ	0	70	1	E0266	M126e
47	MC7281F	2	25Mt%	MON	2.8%	.40*†	TTL	8	4	0.0	5.0	25nΔ			130mt		0	75	1	E0289	TO86
48	MC7281LP%	2	25Mt%	MON	2.8%	.40*†	TTL	8	4	0.0	5.0	25nΔ			130mt		0	75	1	E0289	TO116
49	MC8281F	2	25Mt%	MON	2.8%	.40*†	TTL	8	4	0.0	5.0	25nΔ			130mt		-55	125	1	E0289	TO86
50	MC8281L	2	25Mt%	MON	2.8%	.40*†	TTL	8	4	0.0	5.0	25nΔ			130mt		-55	125	1	E0289	TO116
51	DM7280J	2	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		-55	125	1	E02110	M294b
52	DM7280W	2	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		-55	125	1	E02110	FP97a
53	DM8280J	2	45Mt%	MON	2.8%	.40†*	TTL	8	20	0.0	5.0	45nΔ			130mt		0	70	1	E02110	M294b
54	DM8280N	2	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		0	70	1	E02110	M344
55	DM8280W	2	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		0	70	1	E02110	FP97a
56	DM54176J	2	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		-55	125	1	E02110	M294b
57	DM54176W	2	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		-55	125	1	E02110	FP97a
58	DM74176J	2	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		0	70	1	E02110	M294b
59	DM74176N	2	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		0	70	1	E02110	M344
60	DM74176W	2	45Mt%	MON	2.8%	.40†*	TTL	8		0.0	5.0	45nΔ			130mt		0	70	1	E02110	FP97a
61	RL163D	2	10MØ	MON	3.3%	.30%	TTL	7	12	0.0	5.25	40nΔ	8.0n	5.0n	275m	400m*	0	75	1	E0263	TO116
62	RL181D	2	15MØ	MON	3.3%	.30%	TTL	7	12	0.0	5.5	40nΔ	8.0n	5.0n	400m	400m*	-55	125	1	E0265	TO116
63	RL183D	2	15MØ	MON	3.3%	.30%	TTL	7	12	0.0	5.25	40nΔ	8.0n	5.0n	400m	400m*	0	75	1	E0265	TO116
64	RL141D	2	20MØ	MON	3.3%	.30%	TTL	11	12	0.0	5.5	37nΔ	8.0n	5.0n	200m	400m*	-55	125	1	E0262	TO116
65	RL143D	2	20MØ	MON	3.3%	.30%	TTL	11	12	0.0	5.25	37nΔ	8.0n	5.0n	200m	400m*	0	75	1	E0262	TO116
66	N82S91A	2	100Mt%	MON	3.5	.50†	TTL	8		0.0	5.0	22nΔ			461m		0	75	1	E0250	M318
67	N82S91F	2	100Mt%	MON	3.5	.50†	TTL	8		0.0	5.0	22nΔ			461m		0	75	1	E0250	M257b
68	I795	2	10M	PCB	5.0	0.0	TTL	8	4	4.8	5.2	50n	50n	25n	600m	1.0	0	70	4		CB☑
69	T109	2	10M	PCB	5.0	0.0	TTL	9	6	4.8	5.2	20n			1.2	1.0	0	70	3		CB☑
70	I110	2,1	5.0M	PCB	5.0	0.0	DTL	8	10	4.8	5.2	50n	50n	25n	300m	1.0	0	70	4		CB☑
71	N74LS196A	2,3V	30MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	41n			100mt		0	70	1	E02117	M318
72	N74LS196F	2,3V	30MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	41n			100mt		0	70	1	E02117	M200x
73	N74LS197A	2,3V	30MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	63n			100mt		0	70	1	E02117	M318
74	N74LS197F	2,3V	30MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	63n			100mt		0	70	1	E02117	M200x
75	S54LS196A	2,3V	30MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	41n			100mt		-55	125	1	E02117	M318
76	S54LS196F	2,3V	30MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	41n			100mt		-55	125	1	E02117	M200x
77	S54LS196W	2,3V	30MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	41n			100mt		-55	125	1	E02117	FP39e
78	S54LS197A	2,3V	30MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	63n			100mt		-55	125	1	E02117	M318
79	S54LS197F	2,3V	30MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	63n			100mt		-55	125	1	E02117	M200x
80	S54LS197W	2,3V	30MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	63n			100mt		-55	125	1	E02117	FP39e
81	9356DC	2F	18M%	MON	1.8%	.85*	TTL	4	10	0.0	5.25	135nΔ			250m%	400m	0	75	1	E0234b	M105ad
82#	MIC74L93J	2F	3.0M%	MON	2.0%	.70*	TTL	4	10	0.0	5.0	280n			16mt	1.0 Δ	0	75	1	E0254	TO116
83#	SFC493LE	2F	3.0M%	MON	2.0%	.70*	TTL	4	10	0.0	5.0	280n%			16mt	1.0 Δ	0	70	1	E0254	TO116
84#	SFC493LEM	2F	3.0M%	MON	2.0%	.70*	TTL	4	10	0.0	5.0	280n%			16mt	1.0 Δ	-55	125	1	E0254	TO116
85	SN54L93J	2F	3.0MØ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	450nΔ			16mt	1.0 Δ	-55	125	1	E0253a	M157b
86	SN54L93T	2F	3.0MØ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	450nΔ			16mt	1.0 Δ	-55	125	1	E0253a	FP52e
87	SN74L93J	2F	3.0MØ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	450nΔ			16mt	1.0 Δ	0	70	1	E0253a	M157b
88	SN74L93N	2F	3.0MØ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	450nΔ			16mt	1.0 Δ	0	70	1	E0253a	M126e
89	SN54LS93J	2F	16MØ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	70nΔ			45mt	1.0 Δ	-55	125	1	E0253a	M157b
90	SN54LS93W	2F	16MØ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	70nΔ			45mt	1.0 Δ	-55	125	1	E0253a	Δ004AA
91	SN54LS293J	2F	32MΔØ	MON	2.0%	.70*	TTL	4	4	0.0	5.0	70nΔ			75m§	300m	-55	125	1	E02108	M157b
92	SN54LS293W	2F	32MΔØ	MON	2.0%	.70*	TTL	4	4	0.0	5.0	70nΔ			75m§	300m	-55	125	1	E02108	Δ004AA
93	US5493A	2F	18m%	MON	2.0%	.80*	TTL	4	10	0.0	5.5	75n%			155mt	1.0	-55	125	1	E0235	M105b
94	US7492A	2F	18m%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			155mt		0	70	1	E0234	M105b
95	9392DC	2F	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			255m§		0	70	1	E0234	TO116
96	9392DM	2F	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			255m§		-55	125	1	E0234	TO116
97	9392FC	2F	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			255m§		0	70	1	E0234	FP115
98	9392FM	2F	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			255m§		-55	125	1	E0234	FP115
99	9393DC	2F	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			265m§		0	70	1	E0235	TO116
100	9393DM	2F	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			265m§		-55	125	1	E0235	TO116
101	9393FC	2F	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			265m§		0	70	1	E0235	FP115
102	9393FM	2F	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			265m§		-55	125	1	E0235	FP115
103▼#	GFB7493	2F	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			128m	1.0 Δ	0	70	1	E0235	M146e
104	SW7492J	2F	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.25	100nΔ			155mt	1.0	0	70	1	E0234	M114
105	SW7492N	2F	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.25	100nΔ			155mt	1.0	0	70	1	E0234	M105n
106#	M5393P	2F	15M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	100n%			155mt	1.0 Δ	0	75	1	E0246	M105j
107	SN74LS93J	2F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	70nΔ			45mt	1.0 Δ	0	70	1	E0253a	M157b
108	SN74LS93N	2F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	70nΔ			45mt	1.0 Δ	0	70	1	E0253a	M126e
109	SN5493AJ	2F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	70nΔ			130mt	1.0 Δ	-55	125	1	E0253	M157b
110	SN5493AW	2F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	70nΔ			130mt	1.0 Δ	-55	125	1	E0253	Δ004AA

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN7493AJ	2F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	70nΔ			130mt	1.0 Δ	0	70	1	E0253	M157b
2	SN7493AN	2F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	70nΔ			130mt	1.0 Δ	0	70	1	E0253	M126e
3#	ZN5493AE	2F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	70nΔ			130mt	1.0 Δ	-55	125	1	E0253	TO116
4#	ZN5493AJ	2F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	70nΔ			130mt	1.0 Δ	-55	125	1	E0253	M257e
5#	ZN7493AE	2F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	70nΔ			130mt	1.0 Δ	0	70	1	E0253	TO116
6#	ZN7493AJ	2F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	70nΔ			130mt	1.0 Δ	0	70	1	E0253	M257e
7	ITT5492J	2F	18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0 Δ	-55	125	1	E0234	M157
8	ITT5493J	2F	18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0 Δ	-55	125	1	E0235	M157
9	ITT7492J	2F	18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0 Δ	0	70	1	E0234	M157
10	ITT7493J	2F	18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0 Δ	0	70	1	E0235	M157
11#	M53292P	2F	18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	60n%			155mt	1.0 Δ	0	75	1	E0246b	M105j
12#	M53293P	2F	18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			160mt	1.0 Δ	0	75	1	E0246a	M105j
13#	MIC5493J	2F	18MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			120mt	500m	-55	125	1	E0234a	TO116
14#	MIC6493J	2F	18MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			120mt	500m	-40	85	1	E0234a	TO116
15#	MIC7493J	2F	18MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			120mt	500m	0	75	1	E0234a	TO116
16♦#	MIC7493N	2F	18MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			120mt	500m	0	75	1	E0234a	M126x
17	NC7492N	2F	18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0	0	70	1	E0234	TO116
18	NC7493N	2F	18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0 Δ	0	70	1	E0235	TO116
19#	SFC492E	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	75n%			155mt	1.0	0	70	1	E0234	TO116
20#	SFC492EM	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	75n%			155mt	1.0	-55	125	1	E0234	TO116
21#	SFC492ET	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	75n%			155mt	1.0	-25	85	1	E0234	TO116
22#	SFC492PM	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	75n%			155mt	1.0	-55	125	1	E0234	TO85
23#	SFC493E	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	75n%			155mt	1.0	0	70	1	E0235	TO116
24#	SFC493EM	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	75n%			155mt	1.0	-55	125	1	E0235	TO116
25#	SFC493ET	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	75n%			155mt	1.0	-25	85	1	E0235	TO116
26#	SFC493PM	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	75n%			155mt	1.0	-55	125	1	E0235	TO85
27	SN5492S	2F	18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0 Δ	-55	125	1	E0234	TO84
28	SN5493S	2F	18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0 Δ	-55	125	1	E0235	TO84
29#	SN6492N	2F	18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0m	-40	85	1	E0234	M75a
30#	SN6493N	2F	18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0m	-40	85	1	E0235	M75a
31	SN7493AW	2F	18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0 Δ	0	70	1	E0235	TO84
32#	T7492B1	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			255m%	1.0 Δ	0	70	1	E0234	M126s
33#	T7492D1	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			255m%	1.0 Δ	0	70	1	E0234	M294d
34#	T7492D2	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			255m%	1.0 Δ	-55	125	1	E0234	M294d
35#	T7493B1	2F	18M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			265m§	1.0 Δ	0	70	1	E0234	M126u
36#	T7493D1	2F	18M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			265m§		0	70	1	E0234	M294
37#	T7493D2	2F	18M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			265m§	1.0 Δ	-55	125	1	E0234	M294
38	US5492A	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.5	75n%			155mt	1.0	-55	125	1	E0234	M105b
39	US7492J	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			155mt		0	70	1	E0234	TO88
40	US7493A	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			155mt		0	70	1	E0235	M105b
41	US7493J	2F	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			155mt		0	70	1	E0235	TO88
42	DM5493J	2F	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	100nΔ			215m%		-55	125	1	E0235	M294b
43	DM5493N	2F	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	100nΔ			215m%		-55	125	1	E0235	M344
44	DM5493W	2F	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	100nΔ			215m%		-55	125	1	E0235	FP97a
45	SN74LS293J	2F	32MΔØ	MON	2.0%	.80*	TTL	4	4	0.0	5.0	70nΔ			75m§	400m	0	70	1	E02108	M157b
46	SN74LS293N	2F	32MΔØ	MON	2.0%	.80*	TTL	4	4	0.0	5.0	70nΔ			75m§	400m	0	70	1	E02108	M126e
47	SN54293J	2F	32MΔØ	MON	2.0%	.80*	TTL	4	4	0.0	5.0	70nΔ			195m§	400m	-55	125	1	E02108	M157b
48	SN54293W	2F	32MΔØ	MON	2.0%	.80*	TTL	4	4	0.0	5.0	70nΔ			195m§	400m	-55	125	1	E02108	Δ004AA
49	SN74293J	2F	32MΔØ	MON	2.0%	.80*	TTL	4	4	0.0	5.0	70nΔ			195m§	400m	0	70	1	E02108	M157b
50	SN74293N	2F	32MΔØ	MON	2.0%	.80*	TTL	4	4	0.0	5.0	70nΔ			195m§	400m	0	70	1	E02108	M126e
51	US5492J	2F	20M	MON	2.4%	.40*	TTL	1	10	0.0	5.0	50n	10nt	10nt	160mΔ	1.0 Δ	-55	125	1	E0234	TO88
52	SN74191W	2F,4R	20M	MON	2.4	.40	TTL	8	10	0.0	5.0	20n			550m	1.0	0	70	1	E0320	Δ004AG
53♦	MRC1B	2R	2.0M	PCB	3.0%	.40*	DTL	12	12	0.0	5.0				440m	1.0	0	70	4	E0236	CB53
54	T107	2R	10M	PCB	5.0	0.0	TTL	8	10	4.8	5.2	34n			750m	1.0	0	70	3		CBØ
55	SN54LS169J	2R,U	25MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	35nΔ			100mt	300m	-55	125	1	E02115	M153d
56	SN54LS169W	2R,U	25MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	35nΔ			100mt	300m	-55	125	1	E02115	Δ004AG
57	SN74LS169J	2R,U	25MΔØ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			100mt	400m	0	70	1	E02115	M153d
58	SN74LS169N	2R,U	25MΔØ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			100mt	400m	0	70	1	E02115	M117x
59	SN54S169J	2R,U	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	28nΔ			500mt	300m	-55	125	1	E02106	M153d
60	SN54S169W	2R,U	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	28nΔ			500mt	300m	-55	125	1	E02106	Δ004AG
61	SN74S169J	2R,U	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	28nΔ			500mt	300m	0	70	1	E02106	M153d
62	SN74S169N	2R,U	40MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	28nΔ			500mt	300m	0	70	1	E02106	M117x
63	DM7554J	2V	23MΔ%	MON	2.0%	.80*	TTL	7		0.0	5.0	70nΔ			330mt		-55	125	1	E02111	M200r
64	DM7554W	2V	23MΔ%	MON	2.0%	.80*	TTL	7		0.0	5.0	70nΔ			330mt		-55	125	1	E02111	FP88a
65	DM8554J	2V	23MΔ%	MON	2.0%	.80*	TTL	7		0.0	5.0	70nΔ			330mt		0	70	1	E02111	M200r
66	DM8554N	2V	23MΔ%	MON	2.0%	.80*	TTL	7		0.0	5.0	70nΔ			330mt		0	70	1	E02111	M345
67	DM8554W	2V	23MΔ%	MON	2.0%	.80*	TTL	7		0.0	5.0	70nΔ			330mt		0	70	1	E02111	FP88a
68	SN54177J	2V	35MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	34n			150m%		-55	125	1	E0167a	M157b
69	SN54177W	2V	35MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	34n			150m%		-55	125	1	E0167a	Δ004AA
70	SN74177J	2V	35MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	34n			150m%		0	70	1	E0167a	M157b
71	SN74177N	2V	35MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	34n			150m%		0	70	1	E0167a	M126e
72▼#	FLJ561-74177	2V	50M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	75nΔ			240m§		0	70	1	E0167a	M126p
73▼#	FLJ565-84177	2V	50M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	75nΔ			240m§		-25	85	1	E0167a	M126p
74	DM75L54F	2V	11MΔ%	MON	2.4%	.70*	TTL	7		0.0	5.0	220nΔ			38mt		-55	125	1	E02111	FP88b
75	DM75L54J	2V	11MΔ%	MON	2.4%	.70*	TTL	7		0.0	5.0	220nΔ			38mt		-55	125	1	E02111	M200r
76	DM75L54N	2V	11MΔ%	MON	2.4%	.70*	TTL	7		0.0	5.0	220nΔ			38mt		-55	125	1	E02111	M345
77	DM85L54F	2V	11MΔ%	MON	2.4%	.70*	TTL	7		0.0	5.0	220nΔ			38mt		0	70	1	E02111	FP88b
78	DM85L54J	2V	11MΔ%	MON	2.4%	.70*	TTL	7		0.0	5.0	220nΔ			38mt		0	70	1	E02111	M200r
79	DM85L54N	2V	11MΔ%	MON	2.4%	.70*	TTL	7		0.0	5.0	220nΔ			38mt		0	70	1	E02111	M345
80	CM4017AD	3	5.0Mt	MOS	10	0.0t		3		0.0	10	400nΔ	15uΔ	15uΔ	200m	4.5 Δ	-55	125	1	E0259	M210b
81	CM4017AE	3	5.0Mt	MOS	10	0.0t		3		0.0	10	500nΔ	15uΔ	15uΔ	200m	4.5 Δ	-40	85	1	E0259	M210b
82	CM4026AD	3	5.0Mt	MOS	10	0.0t		4		0.0	10	500nΔ	15uΔ	15uΔ	200m	4.5 Δ	-55	125	1	E057	M210b
83	CM4026AE	3	5.0Mt	MOS	10	0.0t		4		0.0	10	700nΔ	15uΔ	15uΔ	200m	4.5 Δ	-40	85	1	E057	M210b
84	CM4033AD	3	5.0Mt	MOS	10	0.0t		5		0.0	10	500nΔ	15uΔ	15uΔ	200m	4.5 Δ	-55	125	1	E058	M210b
85	CM4033AE	3	5.0Mt	MOS	10	0.0t		5		0.0	10	700nΔ	15uΔ	15uΔ	200m	4.5 Δ	-40	85	1	E058	M210b
86	MM54C160D	3	3.0MΔ%	MOS	3.5%	1.5*	CMS	9		0.0	5.0	290n			500m	450mΔ	-55	125	1		M346a
87	MM54C162D	3	3.0MΔ%	MOS	3.5%	1.5*	CMS	9		0.0	5.0	290n			500m	450mΔ	-55	125	1		M346a
88	MM74C160N	3	3.0MΔ%	MOS	3.5%	1.5*	CMS	9		0.0	5.0	290n			500m	450mΔ	0	70	1	E0345	M345
89	MM74C162N	3	3.0MΔ%	MOS	3.5%	1.5*	CMS	9		0.0	5.0	290n			500m	450mΔ	0	70	1	E0345	M345
90	MM54C192D	3	4.0M%	MOS	3.5%	1.5*	CMS	8		0.0	5.0	250n			500m	450mΔ	-55	125	1	E0346	M346a
91	MM74C192N	3	4.0M%	MOS	3.5%	1.5*	CMS	8		0.0	5.0	250n			500m	450mΔ	0	70	1	E0346	M345
92	JANM38510/05601AEA	3	350kΔ	MON	3.95%	-.85*	CMS	3	7	0.0	5.0	2.3uΔ			200m		-55	125	1	E0259	M393
93	JANM38510/05601AFA	3	350kΔ	MON	3.95%	-.85*	CMS	3	7	0.0	5.0	2.3uΔ			200m		-55	125	1	E0259	FP117
94	JANM38510/05601BEA	3	350kΔ	MON	3.95%	-.85*	CMS	3	7	0.0	5.0	2.3uΔ			200m		-55	125	1	E0259	M393
95	JANM38510/05601BFA	3	350kΔ	MON	3.95%	-.85*	CMS	3	7	0.0	5.0	2.3uΔ			200m		-55	125	1	E0259	FP117
96	JANM38510/05601CEA	3	350kΔ	MON	3.95%	-.85*	CMS	3	7	0.0	5.0	2.3uΔ			200m		-55	125	1	E0259	M393
97	JANM38510/05601CFA	3	350kΔ	MON	3.95%	-.85*	CMS	3	7	0.0	5.0	2.3uΔ			200m		-55	125	1	E0259	FP117
98	MM4617AD	3	2.5MΔ%	MOS	4.99%	.01*†	CMS	3	10	0.0	5.0	500n			500m	450m	-55	125	1	E0347	M346a
99	MM4617AF	3	2.5MΔ%	MOS	4.99%	.01*†	CMS	3	10	0.0	5.0	500n			500m	450m	-55	125	1	E0347	FP98
100	MM4622AD	3	2.5MΔ%	MOS	4.99%	.01*†	CMS	3	9	0.0	5.0	500n			500m	450mΔ	-55	125	1	E0348	M346a
101	MM4622AF	3	2.5MΔ%	MOS	4.99%	.01*†	CMS	3	9	0.0	5.0	500n			500m	450mΔ	-55	125	1	E0348	FP98
102	MM5617AN	3	2.5MΔ%	MOS	4.99%	.01*†	CMS	3	10	0.0	5.0	500n			500m	450m	-40	85	1	E0347	M345
103	MM5622AN	3	2.5MΔ%	MOS	4.99%	.01*†	CMS	3	9	0.0	5.0	500n			500m	450mΔ	-40	85	1	E0348	M345
104▼	TP4360AJ	3	2.5MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	350nΔ	5.0u	5.0u	14m%		-40	85	1	E0349	M153d

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	TP4360AN	3	2.5MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	350nΔ	5.0u	5.0u	14m%		-40	85	1	E0349	M117x
2▼	TP4362AJ	3	2.5M%Δ	MOS	7.1%	2.9*	CMS			0.0	10	350nΔ	5.0u	5.0u	14m%		-40	85	1	E0349	M153d
3▼	TP4362AN	3	2.5MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	350nΔ	5.0u	5.0u	14m%		-40	85	1	E0349	M117x
4▼	TF4360AJ	3	3.0MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	250nΔ	5.0u	5.0u	6.0m%		-55	125	1	E0349	M153d
5▼	TF4360AN	3	3.0MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	250nΔ	5.0u	5.0u	6.0m%		-55	125	1	E0349	M117x
6▼	TF4362AJ	3	3.0MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	250nΔ	5.0u	5.0u	6.0m%		-55	125	1	E0349	M153d
7▼	TF4362AN	3	3.0MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	250nΔ	5.0u	5.0u	6.0m%		-55	125	1	E0349	M117x
8	HD1-54C160	3	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-55	125	1	E0343	M200q
9	HD1-54C162	3	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-55	125	1	E0343	M200q
10	HD1-74C160	3	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-40	85	1	E0343	M200q
11	HD1-74C162	3	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-40	85	1	E0343	M200q
12	HD9-54C160	3	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-55	125	1	E0343	FP103
13	HD9-54C162	3	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-55	125	1	E0343	FP103
14	HD9-74C160	3	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-40	85	1	E0343	FP103
15	HD9-74C162	3	8.5MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-40	85	1	E0343	FP103
16	HD1-54C192	3	10MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-55	125	1	E0344	M200q
17	HD1-74C192	3	10MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-40	85	1	E0344	M200q
18	HD9-54C192	3	10MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-55	125	1	E0344	FP103
19	HD9-74C192	3	10MΔ%	MOS	8.0%	2.0*	CMS			0.0	10	160nΔ	5.0u	5.0u	500m	4.5 Δ	-40	85	1	E0344	FP103
20	MC14534CL	3	500kΔ	MOS	9.99%	.01*†	CMS	7		0.0	10	600n	100n†	100n†	5.0m%		-40	85	1	E0339	
21	MC14534CP	3	500kΔ	MOS	9.99%	.01*†	CMS	7		0.0	10	600n	100n†	100n†	5.0m%		-40	85	1	E0339	
22	MC14534AL	3	1.0MΔ	MOS	9.99%	.01*†	CMS	7		0.0	10	600n	100n†	100n†	500u%		-55	125	1	E0339	
23	SCL4017AC	3	5.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0259	M475d
24	SCL4017AD	3	5.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0259	M475e
25	SCL4017AE	3	5.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-40	85	1	E0259	M475f
26	SCL4017AF	3	5.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0259	FP111
27	SCL4017AH	3	5.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0259	FC☑
28	SCL4018AC	3	5.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	250nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0260	M475d
29	SCL4018AD	3	5.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	250nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0260	M475e
30	SCL4018AE	3	5.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	250nΔ	15uΔ	15uΔ	100u%	4.5	-40	85	1	E0260	M475f
31	SCL4018AF	3	5.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	250nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0260	FP111
32	SCL4018AH	3	5.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	250nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0260	FC☑
33	MC684L	3	500kt☑	MON	12.5%	1.50*†	DTL	8	10	0.0	15				480mt†		-30	75	1	E0333	M191
34	MC684P	3	500kt☑	MON	12.5%	1.50*†	DTL	8	10	0.0	15				480mt†		-30	75	1	E0333	M278
35	SN10137J	3		MON	.98%	-1.6*	ECT	8		5.2	0.0						0	85	1	E075	M153d
36	SN10137N	3		MON	.98%	-1.6*	ECT	8		5.2	0.0						0	85	1	E075	M117x
37	10137F	3	100M	MON	-.85	-1.7	ECT	5	70	5.2	0.0	5.0n	3.5n	3.5n	400m	200m	-30	85	1		M153a
38#	GXB10137	3		MON	-.88	-1.7†	ECT	8		5.2	0.0	2.0n%					0	75	1	E0335	M200f
39	MC10537F	3	150M%	MON	-.93%	-1.6*†	ECT	8		5.2	0.0	10nΔ	3.3n	3.3n	625mt†		-55	125	1	E0335	FP85
40	MC10537L	3	150M%	MON	-.93%	-1.6*†	ECT	8		5.2	0.0	10nΔ	3.3n	3.3n	625mt†		-55	125	1	E0335	M191
41	MC10137L	3	150M%	MON	-.96%	-1.6*†	ECT	8		5.2	0.0	3.3n%	3.3n	3.3n	625mt†		-30	85	1	E0335	M191
42	MC10137P	3	150M%	MON	-.96%	-1.6*†	ECT	8		5.2	0.0	3.3n%	3.3n	3.3n	625mt†		-30	85	1	E0335	M278
43	MC1696F	3	1.0GT☑	MON	-.96%	-1.6*†	ECT	4		5.2	0.0				650mt†		-30	85	1	E0341	FP85
44	MC780P	3	4.0Mt†	MON			RTL	6	10	0.0	3.6				250mt†		15	55	1	E0318	TO116
45	MC880P	3	4.0Mt†	MON			RTL	6	10	0.0	3.6				250mt†		0	75	1	E0318	TO116
46	HEPC3805P-RT	3					TTL		8	0.0	5.0	35n			250m						M154
47	MC9310F	3	28Mt†%	MON	1.7%	.90*	TTL	9	6	0.0	5.5	25n			300mt†		-55	125	1	E0324	FP85
48	MC9310L	3	28Mt†%	MON	1.7%	.90*	TTL	9	6	0.0	5.5	25n			300mt†		-55	125	1	E0324	M191
49	MC9316F	3	28Mt†%	MON	1.7%	.90*	TTL	9		0.0	5.5	25n			300mt†		-55	125	1	E0325	FP85
50	MC9316L	3	28Mt†%	MON	1.7%	.90*	TTL	9	6	0.0	5.5	25n			300mt†		-55	125	1	E0325	M191
51	MC8310F	3	28Mt†%	MON	1.8%	.85*	TTL	9	6	0.0	5.25	25n			300mt†		0	75	1	E0324	FP85
52	MC8310L	3	28Mt†%	MON	1.8%	.85*	TTL	9	6	0.0	5.25	25n			300mt†		0	75	1	E0324	M191
53	MC8310P	3	28Mt†%	MON	1.8%	.85*	TTL	9	6	0.0	5.25	25n			300mt†		0	75	1	E0324	M278
54	MC8316F	3	28Mt†%	MON	1.8%	.85*	TTL	9	6	0.0	5.25	25n			300mt†		0	75	1	E0325	FP85
55	MC8316L	3	28Mt†%	MON	1.8%	.85*	TTL	9	6	0.0	5.25	25n			300mt†		0	75	1	E0325	M191
56	MC8316P	3	28Mt†%	MON	1.8%	.85*	TTL	9	6	0.0	5.25	25n			300mt†		0	75	1	E0325	M278
57#	FLJ201-74190	3	25M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	52nΔ			525m§	1.0 Δ	0	70	1	E0320	M117w
58#	FLJ205-84190	3	25M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	52nΔ			525m§	1.0 Δ	-25	85	1	E0320	M117w
59♦	N74192B	3	25M	MON	2.0%	.80*	TTL	8		0.0	5.0	40nΔ			510m§	1.0 †	0	70	1	E0332	M317
60▼	N74192F	3	25M	MON	2.0%	.80*	TTL	8		0.0	5.0	40nΔ			510m§	1.0 †	0	70	1	E0332	M200v
61	S54163E	3	25MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			325mt†		-55	125	1	E0271	M153a
62	S54163R	3	25MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			325mt†		-55	125	1	E0271	FP79a
63♦	S54192B	3	25M	MON	2.0%	.80*	TTL	8		0.0	5.0	40nΔ			445m§	1.0 †	-55	125	1	E0332	M317
64	S54192E	3	25M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47n					-55	125	1	E0273	M153a
65▼	S54192F	3	25M	MON	2.0%	.80*	TTL	8		0.0	5.0	40nΔ			445m§	1.0 †	-55	125	1	E0332	M200v
66	S54192R	3	25M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47n					-55	125	1	E0273	FP79a
67▼	S54192W	3	25M	MON	2.0%	.80*	TTL	8		0.0	5.0	40nΔ			445m§	1.0 †	-55	125	1	E0332	FP47g
68#	FLJ241-74192	3	32M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m§	1.0 Δ	0	70	1	E0148	M117w
69#	FLJ245-84192	3	32M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m§	1.0 Δ	-25	85	1	E0148	M117w
70	SN29310J	3	32MΔ%	MON	2.0%	.80*	TTL			0.0	5.0	35nΔ			315m%		0	75	1	E0166	M153d
71	SN29310N	3	32MΔ%	MON	2.0%	.80*	TTL			0.0	5.0	35nΔ			315m%		0	75	1	E0166	M117x
72	SN39310J	3	32MΔ%	MON	2.0%	.80*	TTL			0.0	5.0	35nΔ			315m%		-55	125	1	E0166	M153d
73	HEPC3800P-RT	3		MON	2.4%	.40*†	TTL	6	10	0.0	5.0	20n			160mt†		0	70	1	E0323	TO116
74	MC8306L	3		MON	2.4%	.40*†	TTL	13	6	0.0	5.0	20n%			350mt†		0	75	1	E0290	M291
75	MC8306P	3		MON	2.4%	.40*†	TTL	13	6	0.0	5.0	20n%			350mt†		0	75	1	E0290	M237
76	MC9306L	3		MON	2.4%	.40*†	TTL	13	6	0.0	5.0	20n%			350mt†		-55	125	1	E0290	M291
77	MC5490F	3	10Mt☑	MON	2.4%	.40*†	TTL	6	10	0.0	5.0	100nΔ			160mt†		-55	125	1	E0323	TO86
78	MC5490L	3	10Mt☑	MON	2.4%	.40*†	TTL	6	10	0.0	5.0	100nΔ			160mt†		-55	125	1	E0323	TO116
79	MC7490F	3	10Mt☑	MON	2.4%	.40*†	TTL	6	10	0.0	5.0	100nΔ			160mt†		0	75	1	E0323	TO86
80	MC7490L,P%	3	10Mt☑	MON	2.4%	.40*†	TTL	6	10	0.0	5.0	100nΔ			160mt†		0	75	1	E0323	TO116
81	MC8390F	3	10Mt☑	MON	2.4%	.40*†	TTL	6	10	0.0	5.0	100nΔ			160mt†		0	75	1	E0323	TO86
82	MC8390L,P%	3	10Mt☑	MON	2.4%	.40*†	TTL	6	10	0.0	5.0	100nΔ			160mt†		0	75	1	E0323	TO116
83	MC9390F	3	10Mt☑	MON	2.4%	.40*†	TTL	6	10	0.0	5.0	100nΔ			160mt†		-55	125	1	E0323	TO86
84	MC9390L	3	10Mt☑	MON	2.4%	.40*†	TTL	6	10	0.0	5.0	100nΔ			160mt†		-55	125	1	E0323	TO116
85	MC54454L	3	12M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0				600mt†		-55	125	2	E0337	M291
86	MC74454L	3	12M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0				600mt†		0	75	2	E0337	M291
87	MC74454P	3	12M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0				600mt†		0	75	2	E0337	M237
88	MC54192F	3	25M	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	31n%			325mt†		-55	125	1	E0332	FP85
89	MC54192L	3	25M	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	31n%			325mt†		-55	125	1	E0332	M191
90	MC74192F	3	25M	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	31n%			325mt†		0	75	1	E0332	FP85
91	MC74192L	3	25M	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	31n%			325mt†		0	75	1	E0332	M191
92	MC74192P	3	25M	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	31n%			325mt†		0	75	1	E0332	M278
93	MC54452F	3	40Mt†%	MON	2.4%	.40*†	TTL	3		0.0	5.0				350mt†		-55	125	2	E0336	FP85
94	MC54452L	3	40Mt†%	MON	2.4%	.40*†	TTL	3		0.0	5.0				350mt†		-55	125	2	E0336	M191
95	MC74452F	3	40Mt†%	MON	2.4%	.40*†	TTL	3	10	0.0	5.0				350mt†		0	75	2	E0336	FP85
96	MC74452L	3	40Mt†%	MON	2.4%	.40*†	TTL	3	10	0.0	5.0				350mt†		0	75	2	E0336	M191
97	MC74452P	3	40Mt†%	MON	2.4%	.40*†	TTL	3		0.0	5.0				350mt†		0	75	2	E0336	M278
98	HEPC3804P-RT	3	8.0Mt☑	MON	2.5%	.40*†	TTL	8		0.0	5.0	50n			250mt†		0	75	1	E0342	TO116
99	N8280F	3	25Mt†%	MON	2.6%	.40†*	TTL	8		0.0	5.0	25n%Δ			236m		0	75	1	E0317	M157
100	N8280Q	3	25Mt†%	MON	2.6%	.40†*	TTL	8		0.0	5.0	25n%Δ			236m		0	75	1	E0317a	TO88
101	S8280F	3	25M%	MON	2.6%	.40†*	TTL	8		0.0	5.0	25n%Δ			236m		-55	125	1	E0317	M157
102	S8280Q	3	25M%	MON	2.6%	.40†*	TTL	8		0.0	5.0	25n%Δ			236m		-55	125	1	E0317a	TO88
103♦	N8280A	3	25Mt†%	MON	2.6%	.50*†	TTL	8	8	0	5.0	25n%Δ		50n	194m	1.0 Δ	0	75	1	E0317	TO116
104♦	S8280A	3	25Mt†%	MON	2.6%	.50*†	TTL	8	8	0	5.0	25n%Δ		50n	194m	1.0 Δ	-55	125	1	E0317	TO116
105	MC7280F	3	25Mt†%	MON	2.8%	.40*†	TTL	8	4	0.0	5.0	25nΔ			130mt†		0	75	1	E0331	TO86
106	MC7280L,P%	3	25Mt†%	MON	2.8%	.40*†	TTL	8	4	0.0	5.0	25nΔ			130mt†		0	75	1	E0331	TO116
107	MC8280F	3	25Mt†%	MON	2.8%	.40*†	TTL	8	4	0.0	5.0	25nΔ			130mt†		-55	125	1	E0331	TO86
108	MC8280L	3	25Mt†%	MON	2.8%	.40*†	TTL	8	4	0.0	5.0	25nΔ			130mt†		-55	125	1	E0331	TO116
109▼	TMCD1	3	10M	PCB	3.3	.22	TTL	1	10	0.0	5.0	100nΔ			265m	1.0	0	70	1		CB53
110▼	TMCD2	3	10M	PCB	3.3	.22	TTL	1	10	0.0	5.0	100nΔ			530m	1.0	0	70	2		CB53

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	TMDC3	3	15M	PCB	3.3	.22	TTL	2	10	0.0	5.0	60n			480m	1.0	0	70	3		CB53
2	SP3280A	3	25M%	MON	3.5%	.60†*	TTL	8	5	0.0	5.0	50nΔ			260m	1.0 Δ	0	75	1	E0326	TO116
3	SP3281A	3	25M%	MON	3.5%	.60†*	TTL	8	5	0.0	5.0	50nΔ			260m	1.0 Δ	0	75	1	E0327	TO116
4	I797	3	10M	PCB	5.0	0.0	TTL	8	4	4.8	5.2	50n	50n	25n	600m	1.0	0	70	4		CB☑
5	MC4316L	3U	8.0M†Ø	MON	2.4%	.40*†	TTL	8	8	0.0	5.0	78nΔ			250m†		0	75	1	E0322	TO116
6	MC54416L	3U	8.0M†Ø	MON	2.4%	.40*†	TTL	8	8	0.0	5.0	45nΔ			250m†		-55	125	1	E0322	M191
7	MC54417L	3U	8.0M†Ø	MON	2.4%	.40*†	TTL	9	8	0.0	5.0	45nΔ			250m†		-55	125	1	E0338	M191
8	MC74416L	3U	8.0M†Ø	MON	2.4%	.40*†	TTL	8	8	0.0	5.0	45nΔ			250m†		0	75	1	E0322	M191
9	MC74416P	3U	8.0M†Ø	MON	2.4%	.40*†	TTL	8	8	0.0	5.0	45nΔ			250m†		0	75	1	E0322	M278
10	MC74417L	3U	8.0M†Ø	MON	2.4%	.40*†	TTL	9	8	0.0	5.0	45nΔ			250m†		0	75	1	E0338	M191
11	MC74417P	3U	8.0M†Ø	MON	2.4%	.40*†	TTL	9	8	0.0	5.0	45nΔ			250m†		0	75	1	E0338	M278
12	MC4016L	3U	8.0M†%	MON	2.5%	.40*†	TTL	8	8	0.0	5.0	78nΔ			250m†		0	75	1	E0322	M191
13	MC4016P	3U	8.0M†%	MON	2.5%	.40*†	TTL	8	8	0.0	5.0	78nΔ			250m†		0	75	1	E0322	M278
14	SN54176J	3V	35MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	34n			150m%		-55	125	1	E0157a	M157b
15	SN54176W	3V	35MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	34n			150m%		-55	125	1	E0157a	Δ004AA
16	SN74176J	3V	35MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	34n			150m%		0	70	1	E0157a	M157b
17	SN74176N	3V	35MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	34n			150m%		0	70	1	E0157a	M126e
18▼#	FLJ561-74176	3V	50M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	51nΔ			240m§		0	70	1	E0157a	M126p
19▼#	FLJ565-84176	3V	50M%Δ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	51nΔ			240m§		-25	85	1	E0157a	M126p
20#	M5812P	5	100k	MOS	-9.0%	-4.0*		4	30	.30		1.5u%			16m†	2.0 Δ	0	75	1	E054	M105j
21▼#	MSM551	5	2.0M%Δ	MOS	3.6%	.80*	CMS	4	15	0.0	5.0	1.0uΔ	5.0u	5.0u	250u§		-20	70	1	E0510	M256a
22▼	TF4017AJ	5	5.0MΔ%	MOS	7.1%	2.9*	CMS	3		0.0	10	600nΔ			6.0m%		-55	125	1	E0259	M153d
23▼	TF4017AN	5	5.0MΔ%	MOS	7.1%	2.9*	CMS	3		0.0	10	600nΔ			6.0m%		-55	125	1	E0259	M117x
24▼	TP4017AJ	5	5.0MΔ%	MOS	7.1%	2.9*	CMS	3		0.0	10	750nΔ			14m%		-40	85	1	E0259	M153d
25▼	TP4017AN	5	5.0MΔ%	MOS	7.1%	2.9*	CMS	3		0.0	10	750nΔ			14m%		-40	85	1	E0259	M117x
26	CD4017AF	5	5.0MΔ%	MOS	9.99%	.01*†	CMS	3		0.0	10	400nΔ	15u	15u	100u%	4.5 Δ	-55	125	1	E0259	Δ001AC
27	CD4018AF	5	5.0MΔ%	MOS	9.99%	.01*†	CMS	9		0.0	10	400nΔ	15u	15u	100u%	4.5 Δ	-55	125	1	E0260	Δ001AC
28	CD4022AF	5	5.0MΔ%	MOS	9.99%	.01*†	CMS	3		0.0	10	400nΔ	15u	15u	100u%	4.5 Δ	-55	125	1	E056	Δ001AC
29	CD4026AF	5	5.0MΔ%	MOS	9.99%	.01*†	CMS	4		0.0	10	500nΔ	15u	15u	100u%	4.5 Δ	-55	125	1	E057	Δ001AC
30	HD1-4017A2	5	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	400nΔ	15u	15u	100u%	4.5 Δ	-55	125	1	E0259	M200q
31	HD1-4017A9	5	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15u	15u	1.0m%	4.5 Δ	-40	85	1	E0259	M200q
32	HD1-4018A2	5	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	400nΔ	15u	15u	100u%	4.5 Δ	-55	125	1	E0260	M200q
33	HD1-4018A9	5	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15u	15u	1.0m%	4.5 Δ	-40	85	1	E0260	M200q
34	HD1-4022A2	5	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	400nΔ	15u	15u	100u%	4.5 Δ	-55	125	1	E056	M200q
35	HD1-4022A9	5	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	800nΔ	15u	15u	1.0m%	4.5 Δ	-40	85	1	E056	M200q
36	HD9-4017A2	5	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	400nΔ	15u	15u	100u%	4.5 Δ	-55	125	1	E0259	FP103
37	HD9-4017A9	5	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15u	15u	1.0m%	4.5 Δ	-40	85	1	E0259	FP103
38	HD9-4018A2	5	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	400nΔ	15u	15u	100u%	4.5 Δ	-55	125	1	E0260	FP103
39	HD9-4018A9	5	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15u	15u	1.0m%	4.5 Δ	-40	85	1	E0260	FP103
40	HD9-4022A2	5	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	400nΔ	15u	15u	100u%	4.5 Δ	-55	125	1	E056	FP103
41	HD9-4022A9	5	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	800nΔ	15u	15u	1.0m%	4.5 Δ	-40	85	1	E056	FP103
42	SCL4022AC	5	5.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E056	M475d
43	SCL4022AD	5	5.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E056	M475e
44	SCL4022AE	5	5.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-40	85	1	E056	M475f
45	SCL4022AF	5	5.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E056	FP111
46	SCL4022AH	5	5.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E056	FC☑
47	SCL4026AC	5	5.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5	-55	125		E057	M475d
48	SCL4026AD	5	5.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5	-55	125		E057	M475e
49	SCL4026AE	5	5.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5	-40	85		E057	M475f
50	SCL4026AF	5	5.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5	-55	125		E057	FP111
51	SCL4026AH	5	5.0M%	MOS	9.99%	.01*†	CMS	4		0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5	-55	125		E057	FC☑
52	SCL4033AC	5	5.0M%	MOS	9.99%	.01*†	CMS	5		0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5	-55	125		E058	M475d
53	SCL4033AD	5	5.0M%	MOS	9.99%	.01*†	CMS	5		0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5	-55	125		E058	M475e
54	SCL4033AE	5	5.0M%	MOS	9.99%	.01*†	CMS	5		0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5	-40	85		E058	M475f
55	SCL4033AF	5	5.0M%	MOS	9.99%	.01*†	CMS	5		0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5	-55	125		E058	FP111
56	SCL4033AH	5	5.0M%	MOS	9.99%	.01*†	CMS	5		0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5	-55	125		E058	FC☑
57♦	MC14022AL	5	12MΔ%	MOS	9.99%	.01*†	CMS	3		0.0	10	400nΔ	75n	75n	100u		-55	125	1	E059	M200w
58♦	MC14022CL	5	12MΔ%	MOS	9.99%	.01*†	CMS	3		0.0	10	500nΔ	110n	110n	1.0m		-40	85	1	E059	M200w
59♦	MC14022CP	5	12MΔ%	MOS	9.99%	.01*†	CMS	3		0.0	10	500nΔ	110n	110n	1.0m		-40	85	1	E059	M117y
60♦	CD4017AD	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0259	Δ001AE
61♦	CD4017AE	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	500nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E0259	Δ001AC
62♦	CD4017AK	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0259	Δ004AG
63♦	CD4018AD	5	5.0MΔ%	MOS	10	0.0†	CMS	9		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0260	Δ001AE
64♦	CD4018AE	5	5.0MΔ%	MOS	10	0.0†	CMS	9		0.0	10	500nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E0260	Δ001AC
65♦	CD4018AK	5	5.0MΔ%	MOS	10	0.0†	CMS	9		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0260	Δ004AG
66♦	CD4022AD	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E056	Δ001AE
67♦	CD4022AE	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	800nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E056	Δ001AC
68♦	CD4022AK	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E056	Δ004AG
69♦	CD4026AD	5	5.0MΔ%	MOS	10	0.0†	CMS	4	50	0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E057	Δ001AE
70♦	CD4026AE	5	5.0MΔ%	MOS	10	0.0†	CMS	4	50	0.0	10	700nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E057	Δ001AC
71♦	CD4026AK	5	5.0MΔ%	MOS	10	0.0†	CMS	4	50	0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E057	Δ004AG
72#	HBC4017AD	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0259	Δ001AE
73#	HBC4017AF	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0259	Δ001AE
74#	HBC4017AK	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0259	Δ004AG
75#	HBC4018AD	5	5.0MΔ%	MOS	10	0.0†	CMS	9		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0260	Δ001AE
76#	HBC4018AF	5	5.0MΔ%	MOS	10	0.0†	CMS	9		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0260	Δ001AE
77#	HBC4018AK	5	5.0MΔ%	MOS	10	0.0†	CMS	9		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0260	Δ004AG
78#	HBC4022AD	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E056	Δ001AE
79#	HBC4022AF	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E056	Δ001AE
80#	HBC4022AK	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E056	Δ004AG
81#	HBC4026AD	5	5.0MΔ%	MOS	10	0.0†	CMS	4	50	0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E057	Δ001AE
82#	HBC4026AF	5	5.0MΔ%	MOS	10	0.0†	CMS	4	50	0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E057	Δ001AE
83#	HBC4026AK	5	5.0MΔ%	MOS	10	0.0†	CMS	4	50	0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E057	Δ004AG
84#	HBF4017AE	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	500nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E0259	Δ001AC
85#	HBF4017AF	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	500nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E0259	Δ001AE
86#	HBF4018AE	5	5.0MΔ%	MOS	10	0.0†	CMS	9		0.0	10	500nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E0260	Δ001AC
87#	HBF4018AF	5	5.0MΔ%	MOS	10	0.0†	CMS	9		0.0	10	500nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E0260	Δ001AE
88#	HBF4022AE	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	800nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E056	Δ001AC
89#	HBF4022AF	5	5.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	800nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E056	Δ001AE
90#	HBF4026AE	5	5.0MΔ%	MOS	10	0.0†	CMS	4	50	0.0	10	700nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E057	Δ001AC
91#	HBF4026AF	5	5.0MΔ%	MOS	10	0.0†	CMS	4	50	0.0	10	700nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E057	Δ001AE
92	MC939F	5	30M%	MON	2.6%	.40*	DTL	6	32	0.0	5.0				150m†	1.0	-55	125	1	E053	TO86
93	MC939L	5	30M%	MON	2.6%	.40*	DTL	6	32	0.0	5.0				150m†	1.0	-55	125	1	E053	TO116
94	MC839F	5	30M%	MON	2.6%	.45*	DTL	6	32	0.0	5.0				150m†	1.0	0	75	1	E053	TO86
95	MC839L,P%	5	30M%	MON	2.6%	.45*	DTL	6	32	0.0	5.0				150m†	1.0	0	75	1	E053	TO116
96	CM4018AD	6	5.0M†Δ	MOS	10	0.0†		9		0.0	10	400nΔ	15uΔ	15uΔ	200m	4.5 Δ	-55	125	1	E0260	M210b
97	CM4018AE	6	5.0M†Δ	MOS	10	0.0†		9		0.0	10	500nΔ	15uΔ	15uΔ	200m	4.5 Δ	-40	85	1	E0260	M210b
98	CM4022AD	6	5.0M†Δ	MOS	10	0.0†		3		0.0	10	225nΔ	15uΔ	15uΔ	200m	4.5 Δ	-55	125	1	E056	M210b
99	CM4022AE	6	5.0M†Δ	MOS	10	0.0†		3		0.0	10	250nΔ	15uΔ	15uΔ	200m	4.5 Δ	-40	85	1	E056	M210b
100	M102	6	5.0M	PCB	10	0.0		9	50	0.0	10	300n	15u	15u		4.5	-55	95	3		CB☑
101	SW4029A	6	2.5MΔ%	MOS	5.0	0.0	CMS	9	50	0.0	5.0	425n			200m		-40	85	1	E0611	M117z
102▼	TF4029AJ	6	5.0MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	550nΔ			6.0m%		-55	125	1	E0611	M153d
103▼	TF4029AN	6	5.0MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	550nΔ			6.0m%		-55	125	1	E0611	M117x
104▼	TP4029AJ	6	5.0MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	1.1uΔ			14m%		-40	85	1	E0611	M153d
105▼	TP4029AN	6	5.0MΔ%	MOS	7.1%	2.9*	CMS			0.0	10	1.1uΔ			14m%		-40	85	1	E0611	M117x
106	HD1-4029A2	6	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15u	15u	100u%	4.5 Δ	-55	125	1	E0611	M200q
107	HD1-4029A9	6	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	600nΔ	15u	15u	1.0m%	4.5 Δ	-40	85	1	E0611	M200q
108	HD9-4029A2	6	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15u	15u	100u%	4.5 Δ	-55	125	1	E0611	FP103
109	HD9-4029A9	6	5.0MΔ%	MOS	9.99%	.01*†	CMS			0.0	10	600nΔ	15u	15u	1.0m%	4.5 Δ	-40	85	1	E0611	FP103
110	SCL4029AC	6	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0618	M475d

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SCL4029AD	6	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0618	M475e
2	SCL4029AE	6	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5	-40	85	1	E0618	M475f
3	SCL4029AF	6	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0618	FP111
4	SCL4029AH	6	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0618	FC☑
5♦	CD4029AD	6	5.0MΔ%	MOS	10	0.0†	CMS	9	50	0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0611	Δ001AE
6♦	CD4029AE	6	5.0MΔ%	MOS	10	0.0†	CMS	9	50	0.0	10	600nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E0611	Δ001AC
7♦	CD4029AK	6	5.0MΔ%	MOS	10	0.0†	CMS	9	50	0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0611	Δ004AG
8#	HBC4029AD	6	5.0MΔ%	MOS	10	0.0†	CMS	9	50	0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0611	Δ001AE
9#	HBC4029AF	6	5.0MΔ%	MOS	10	0.0†	CMS	9	50	0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0611	Δ001AE
10#	HBC4029AK	6	5.0MΔ%	MOS	10	0.0†	CMS	9	50	0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0611	Δ004AG
11#	HBF4029AE	6	5.0MΔ%	MOS	10	0.0†	CMS	9	50	0.0	10	600nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E0611	Δ001AC
12#	HBF4029AF	6	5.0MΔ%	MOS	10	0.0†	CMS	9	50	0.0	10	600nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E0611	Δ001AE
13#	DN811	6		MON	13%	.40*	DTL	2	4	0.0	15				450m	1.0	-20	75	1	E0617	M257d
14	MC10138L	6	150Mt∅	MON	-.96%	-1.6*†	ECT	7		5.2	0.0	3.5n%	2.5nt	2.5nt	370mt		-30	85	1	E0615	M191
15	MC10138P	6	150Mt∅	MON	-.96%	-1.6*†	ECT	7		5.2	0.0	3.5n%	2.5nt	2.5nt	370mt		-30	85	1	E0615	M278
16	MC1678L	6	350M%†	MON	-.96%	-1.6*	ECT	7	70	5.2	0.0	3.7n	2.7n	2.6n	750mt		-30	85	1	E069	M191
17▼	JANM38510/01301BAA	6	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	81nΔ			268m		-55	125	1	E0614	FP115
18▼	JANM38510/01301BAB	6	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	81nΔ			268m		-55	125	1	E0614	FP115
19▼	JANM38510/01301BAC	6	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	81nΔ			268m		-55	125	1	E0614	FP115
20▼	JANM38510/01301BCA	6	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	81nΔ			268m		-55	125	1	E0614	M314
21♦	JANM38510/01301BCB	6	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	81nΔ			268m		-55	125	1	E0614	M314
22♦	JANM38510/01301BCC	6	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	81nΔ			268m		-55	125	1	E0614	M314
23▼	JANM38510/01301CAA	6	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	81nΔ			268m		-55	125	1	E0614	FP115
24▼	JANM38510/01301CAB	6	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	81nΔ			268m		-55	125	1	E0614	FP115
25▼	JANM38510/01301CAC	6	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	81nΔ			268m		-55	125	1	E0614	FP115
26▼	JANM38510/01301CCA	6	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	81nΔ			268m		-55	125	1	E0614	M314
27♦	JANM38510/01301CCB	6	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	81nΔ			268m		-55	125	1	E0614	M314
28♦	JANM38510/01301CCC	6	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	81nΔ			268m		-55	125	1	E0614	M314
29♦#	ZN7492E	6	18M%	MON	2.0%	.80*	TTL	2		0.0	5.0	100nΔ			155m%		0	70	1	E0613	M126
30♦#	ZN7492F	6	18M%	MON	2.0%	.80*	TTL	2		0.0	5.0	100nΔ			155m%		0	70	1	E0613	TO86
31	DM7493J	6	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	80nΔ			225m%		0	70	1	E0235	M294b
32	DM7493N	6	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	80nΔ			225m%		0	70	1	E0235	M344
33♦	MC4023F	6	30M%		2.5*	.40*†	TTL	4	10	0.0	5.2	16n			200mt		0	75	1	E067	TO86
34	MC4023L,P%	6	30M%	MON	2.5*	.40*†	TTL	8	10	0.0	5.0	16n			200mt		0	75	1	E067	TO116
35	JANM38510/05604AEA	6Δ8	350kΔ	MON	3.95%	-.85*	CMS	3	7	0.0	5.0	2.9uΔ			200m		-55	125	1	E056	M393
36	JANM38510/05604AFA	6Δ8	350kΔ	MON	3.95%	-.85*	CMS	3	7	0.0	5.0	2.9uΔ			200m		-55	125	1	E056	FP117
37	JANM38510/05604BEA	6Δ8	350kΔ	MON	3.95%	-.85*	CMS	3	7	0.0	5.0	2.9uΔ			200m		-55	125	1	E056	M393
38	JANM38510/05604BFA	6Δ8	350kΔ	MON	3.95%	-.85*	CMS	3	7	0.0	5.0	2.9uΔ			200m		-55	125	1	E056	FP117
39	JANM38510/05604CEA	6Δ8	350kΔ	MON	3.95%	-.85*	CMS	3	7	0.0	5.0	2.9uΔ			200m		-55	125	1	E056	M393
40	JANM38510/05604CFA	6Δ8	350kΔ	MON	3.95%	-.85*	CMS	3	7	0.0	5.0	2.9uΔ			200m		-55	125	1	E056	FP117
41	JANM38510/05602AEA	6u	350kΔ	MON	3.95%	-.85*	CMS	9	7	0.0	5.0	2.3uΔ			200m		-55	125	1	E0260	M393
42	JANM38510/05602AFA	6u	350kΔ	MON	3.95%	-.85*	CMS	9	7	0.0	5.0	2.3uΔ			200m		-55	125	1	E0260	FP117
43	JANM38510/05602BEA	6u	350kΔ	MON	3.95%	-.85*	CMS	9	7	0.0	5.0	2.3uΔ			200m		-55	125	1	E0260	M393
44	JANM38510/05602BFA	6u	350kΔ	MON	3.95%	-.85*	CMS	9	7	0.0	5.0	2.3uΔ			200m		-55	125	1	E0260	FP117
45	JANM38510/05602CEA	6u	350kΔ	MON	3.95%	-.85*	CMS	9	7	0.0	5.0	2.3uΔ			200m		-55	125	1	E0260	M393
46	JANM38510/05602CFA	6u	350kΔ	MON	3.95%	-.85*	CMS	9	7	0.0	5.0	2.3uΔ			200m		-55	125	1	E0260	FP117
47#	MIC5492J	6F	18MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			124mt	500m	-55	125	1	E0234	TO116
48#	MIC6492J	6F	18MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			124mt	500m	-40	85	1	E0234	TO116
49#	MIC7492J	6F	18MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			124mt	500m	0	75	1	E0234	TO116
50♦#	MIC7492N	6F	18MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			124mt	500m	0	75	1	E0234	M126x
51	DM5492J	6F	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	80nΔ			215m%		-55	125	1	E0613	M294b
52	DM5492N	6F	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	80nΔ			215m%		-55	125	1	E0613	M344
53	DM5492W	6F	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	80nΔ			215m%		-55	125	1	E0613	FP97a
54	DM7492J	6F	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	80nΔ			225m%		0	70	1	E0613	M294b
55	DM7492N	6F	32M%	MON	2.0%	.80*	TTL	6		0.0	5.0	80nΔ			225m%		0	70	1	E0613	M344
56♦	MC14536AL	6U	3.0MΔ%	MOS	9.99%	.01*†	CMS	5		0.0	10	650n	75n	75n	100u%		-55	125	1	E0616	M200aa
57♦	MC14536CL	6U	3.0MΔ%	MOS	9.99%	.01*†	CMS	5		0.0	10	650n	110n	110n	1.0m%		-40	85	1	E0616	M200aa
58	MC14536CP	6U	3.0MΔ%	MOS	9.99%	.01*†	CMS	5		0.0	10	650n	110n	110n	1.0m%		-40	85	1	E0616	M278
59	9305DM	6U	20MΔ	MON	1.7%	.90*	TTL	6	8	0.0	5.0	55n%			300m%	400m	-55	125	1	E068	M105ad
60	9305DC	6U	20MΔ	MON	1.8%	.85*	TTL	6	8	0.0	5.0	55n%			325m%	400m	0	75	1	E068	M105ad
61	9305FC	6U	20M∅	MON	2.0%	.80*	TTL	6	8	0.0	5.0	62nΔ			330m§	400m	0	75	1	E068	TO86
62	9305FM	6U	20M∅	MON	2.0%	.80*	TTL	6	8	0.0	5.0	57nΔ			330m§	400m	-55	125	1	E068	TO86
63	374AJ	7		MON	6.5*	5.0%	DTL	10		0.0	15					3.2	-30	70	1	E0257	M319
64	374AL	7		MON	6.5*	5.0%	DTL	10		0.0	15					3.2	-30	70	1	E0257	M200j
65	374BL	7		MON	6.5*	5.0%	DTL	10		0.0	12					3.5	-55	125	1	E0257	M200j
66	374CJ	7		MON	6.5*	5.0%	DTL	10		0.0	12					3.5	-30	85	1	E0257	M319
67	374CL	7		MON	6.5*	5.0%	DTL	10		0.0	15					3.2	-55	125	1	E0257	M200j
68	374ML	7		MON	6.5%	5.0%	DTL	10		0.0	15					3.2	-55	125	1	E0257	M200j
69	372AJ	7	1.0Mt%	MON	6.5*	5.0%	DTL	8	5	0.0	15	800nΔ			795mt	3.2	-30	70	1	E0150	M319
70	372AL	7	1.0Mt%	MON	6.5*	5.0%	DTL	8	5	0.0	15	800nΔ			795mt	3.2	-30	70	1	E0150	M200j
71	372BL	7	1.0Mt%	MON	6.5*	5.0%	DTL	8	5	0.0	12	800nΔ			492mt	3.5	-55	125	1	E0150	M200j
72	372CL	7	1.0Mt%	MON	6.5*	5.0%	DTL	8	5	0.0	12	800nΔ			492mt	3.5	-30	85	1	E0150	M200j
73	372ML	7	1.0Mt%	MON	6.5*	5.0%	DTL	8	5	0.0	15	800nΔ			795mt	3.2	-55	125	1	E0150	M200j
74	SN10136J	7		MON	.98%	-1.6*	ECT	8		5.2	0.0						0	85	1	E075	M153d
75	SN10136N	7		MON	.98%	-1.6*	ECT	8		5.2	0.0						0	85	1	E075	M117x
76	10136F	7	100M	MON	-.85	-1.7	ECT	5	70	5.2	0.0	5.0n	3.5n	3.5n	400m	200m	-30	85	1		M153a
77#	GXB10136	7		MON	-.88	-1.7†	ECT	8		5.2	0.0	2.0n%					0	75	1	E073	M200f
78	MC10136L	7	150M%	MON	-.96%	-1.6*†	ECT	8		5.2	0.0	3.3n%	2.0nt	2.0nt	625mt		-30	85	1	E073	M200w
79	MC10136P	7	150M%	MON	-.96%	-1.6*†	ECT	8		5.2	0.0	3.3n%	2.0nt	2.0nt	625mt		-30	85	1	E073	M117y
80	AM2501DC	7	27M%		1.7%	.85*	TTL	14		0.0	5.0	60nΔ			480m%		0	75	1	E0146	M246
81	AM2501DM	7	27M%		1.7%	.85*	TTL	14		0.0	5.0	60nΔ			455m%		-55	125	1	E0146	M246
82	93L66DC	7	23M%		2.0%	.70*	TTL	10		0.0	5.0	75nΔ			85mt		0	75	1	E0171	M224c
83	93L66DM	7	23M%		2.0%	.70*	TTL	10		0.0	5.0	75nΔ			85mt		-55	125	1	E0171	M224c
84	93L66FM	7	23M%		2.0%	.70*	TTL	10		0.0	5.0	75nΔ			85mt		-55	125	1	E0171	M357
85	93L66PC	7	23M%		2.0%	.70*	TTL	10		0.0	5.0	75nΔ			85mt		0	75	1	E0171	FP79b
86	9316PC	7		MON	2.0%	.80*	TTL	10	6	0.0	5.0	50nΔ			470m%		0	75	1	E0147	M357

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	9316DC	7	15M%	MON	2.0%	.80*	TTL	10	6	0.0	5.0	50nΔ			470m%	400m	0	75	1	E0147	M224c
2	9316DM	7	15M%	MON	2.0%	.80*	TTL	10	6	0.0	5.0	50nΔ			470m%	400m	-55	125	1	E0147	M224c
3	9316FM	7	15M%	MON	2.0%	.80*	TTL	10	6	0.0	5.0	50nΔ			470m%	400m	-55	125	1	E0147	FP79b
4	N8284A	7	30M%	MON	2.0%	.80*	TTL	6	12	0.0	5.0		5.0n	5.0n	360m		0	75	1	E0251	M344a
5	N8284F	7	30M%	MON	2.0%	.80*	TTL	6	12	0.0	5.0				360m		0	75	1	E0251	M297d
6	S8284F	7	30M%	MON	2.0%	.80*	TTL	6	12	0.0	5.0				360m		-55	125	1	E0251	M297d
7	9366DC	7	32M%	MON	2.0%	.80*	TTL	8	6	0.0	5.0	47nΔ			510m%		0	75	1	E0257	M224c
8	9366DM	7	32M%	MON	2.0%	.80*	TTL	8	6	0.0	5.0	47nΔ			445m%		-55	125	1	E0257	M224c
9	9366FM	7	32M%	MON	2.0%	.80*	TTL	8	6	0.0	5.0	47nΔ			445m%		-55	125	1	E0257	FP79b
10	9366PC	7	32M%	MON	2.0%	.80*	TTL	8	6	0.0	5.0	47nΔ			510m%		0	75	1	E0257	M357
11	MC54453F	7	40M†%	MON	2.4%	.40*†	TTL	3		0.0	5.0				350m†		-55	125	2	E0336	FP85
12	MC54453L	7	40M†%	MON	2.4%	.40*†	TTL	3		0.0	5.0				350m†		-55	125	2	E0336	M191
13	MC74453F	7	40M†%	MON	2.4%	.40*†	TTL	3	10	0.0	5.0				350m†		0	75	2	E0336	FP85
14	MC74453L	7	40M†%	MON	2.4%	.40*†	TTL	3	10	0.0	5.0				350m†		0	75	2	E0336	M191
15	MC74453P	7	40M†%	MON	2.4%	.40*†	TTL	3		0.0	5.0				350m†		0	75	2	E0336	M278
16	MC4318L	7U	8.0M†Ø	MON	2.4%	.40*†	TTL	8	8	0.0	5.0	78nΔ			250m†		0	75	1	E071	TO116
17	MC54418L	7U	8.0M†Ø	MON	2.4%	.40*†	TTL	8	8	0.0	5.0	78nΔ			250m†		-55	125	1	E071	M191
18	MC54419L	7U	8.0M†Ø	MON	2.4%	.40*†	TTL	9	8	0.0	5.0	78nΔ			250m†		-55	125	1	E074	M191
19	MC74418L	7U	8.0M†Ø	MON	2.4%	.40*†	TTL	8	8	0.0	5.0	78nΔ			250m†		0	75	1	E071	M191
20	MC74418P	7U	8.0M†Ø	MON	2.4%	.40*†	TTL	8	8	0.0	5.0	78nΔ			250m†		0	75	1	E071	M278
21	MC74419L	7U	8.0M†Ø	MON	2.4%	.40*†	TTL	9	8	0.0	5.0	78nΔ			250m†		0	75	1	E074	M191
22	MC74419P	7U	8.0M†Ø	MON	2.4%	.40*†	TTL	9	8	0.0	5.0	78nΔ			250m†		0	75	1	E074	M278
23	MC4018L	7U	8.0M†Ø	MON	2.5%	.40*†	TTL	8	8	0.0	5.0	78nΔ			250m†		0	75	1	E071	M191
24	MC4018P	7U	8.0M†Ø	MON	2.5%	.40*†	TTL	8	8	0.0	5.0	78nΔ			250m†		0	75	1	E071	M278
25▼#	MSM5536	8	2.0M%Δ	MOS	3.6%	.80*	CMS	4	15	0.0	5.0	1.0uΔ	5.0u	5.0u	250u§		-20	70	1	E081	M318a
26♦	N7492A	8	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			255m§	1.0 †	0	70	1	E0254	M318
27▼	N7492F	8	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			255m§	1.0 †	0	70	1	E0254	M257f
28♦	S5492A	8	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			220m§	1.0 †	-55	125	1	E0254	M318
29♦	S5492F	8	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			220m§	1.0 †	-55	125	1	E0254	M257f
30♦	S5492W	8	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			220m§	1.0 †	-55	125	1	E0254	FP39e
31▼#	FLJ171-7492A	8	42MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	50nΔ			195m§		0	70	1	E0160	M126p
32▼#	FLJ175-8492A	8	42MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	50nΔ			195m§		-25	85	1	E0160	M126p
33	SN54LS92J	8F	16MØ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	50nΔ			45m†	1.0 Δ	-55	125	1	E0234	M157b
34	SN54LS92W	8F	16MØ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	50nΔ			45m†	1.0 Δ	-55	125	1	E0234	Δ004AA
35	SN74LS92J	8F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ			45m†	1.0 Δ	0	70	1	E0234	M157b
36	SN74LS92N	8F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ			45m†	1.0 Δ	0	70	1	E0234	M126e
37	SN5492AJ	8F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ			130m†	1.0 Δ	-55	125	1	E0234	M157b
38	SN5492AW	8F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ			130m†	1.0 Δ	-55	125	1	E0234	Δ004AA
39	SN7492AJ	8F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ			130m†	1.0 Δ	0	70	1	E0234	M157b
40	SN7492AN	8F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ			130m†	1.0 Δ	0	70	1	E0234	M126e
41#	ZN5492AE	8F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ			130m†	1.0 Δ	-55	125	1	E0234	TO116
42#	ZN5492AJ	8F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ			130m†	1.0 Δ	-55	125	1	E0234	M257e
43#	ZN7492AE	8F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ			130m†	1.0 Δ	0	70	1	E0234	TO116
44#	ZN7492AJ	8F	16MØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ			130m†	1.0 Δ	0	70	1	E0234	M257e
45#	SP520B	9,2		MON	3.0%	1.0*	RTL			0.0	5.0						0	70		E091	M400

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE(3)LOGIC TYPE(4)LEVEL '1' (5)LEVEL '0' (6)TYPE No.

LINE No.	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	3 LOGIC TYPE	PRO-CESS	LOGIC LEVEL 4 '1' (V)	LOGIC LEVEL 5 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRAN-SITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	BDM1615500	1	2		3DM					0.0	5.0				1.7		0	70			
2	BDM1616500	1	2		3DM					0.0	5.0				1.7		0	70			
3	BDM1617500	1	2		3DM					0.0	5.0				2.0		0	70			
4	BDM1618500	1	2		3DM					0.0	5.0				2.0		0	70			
5	5549	1	2		PCB	2.0%	.80*	7	7	0.0	5.0	40nt△			930mt		0	70	3		CB62
6♦	MDB1	1	2		PCB	2.0%	.95*	1	11		5.0				565m	1.0 △	0	70			CB37c
7♦#	FLH571-74185A	1	2	TTL	MON	2.0%	.80*	5	5	0.0	5.0	40nt△			495m§	1.0 △	0	70	1	F0275	M117w
8♦#	FLH575-84185A	1	2	TTL	MON	2.0%	.80*	5	5	0.0	5.0	40nt△			495m§	1.0 △	-25	85	1	F0275	M117w
9♦	MC4001L#2	1	2	TTL		2.5*	.45*†	6		0.0	5.0	45n			300mt		0	75	1	F0236	M191
10♦	MC4001P#2	1	2	TTL		2.5*	.45*†	6		0.0	5.0	45n			300mt		0	75	1	F0236	M278
11♦	I417	1	3		PCB	5.0	0.0	4	10	4.8	5.2	100n	100n	100n	600m	1.0	0	70	3		CB☑
12	FCH301	1	4		MON	6.0	0.0	4	10		6.0	70n			250m	1.0	0	70	1	F0120	M117f
13#	DN852	1	8		MON					0.0	5.0				135m%		-20	75	1	F0150	M200m
14♦	R151	1	8		PCB	0.0	-3.0	7	8	15	10		75n	60n	800m		-20	65	1	F016	CB31
15#	M54402P	1	8		MON	2.0%	.80*	4	80	0.0	7.0	30n%			113mt	1.0 △	0	75	1	F0235	M105j
16♦	MC14028AL#2	1	8	CMS	MOS	9.99%	.01*†	3	10	0.0	10	180n△	75n	75n	100u		-55	125	1	F0272	M191
17♦	MC14028CL#2	1	8	CMS	MOS	9.99%	.01*†	3	10	0.0	10	290n△	110n	110n	1.0m		-40	85	1	F0272	M191
18♦	MC14028CP#2	1	8	CMS	MOS	9.99%	.01*†	3	10	0.0	10	290n△	110n	110n	1.0m		-40	85	1	F0272	M278
19♦	SCL4428AC	1	8	CMS	MOS	9.99%	.01*†	4		0.0	10	75n△			100u%	4.5	-55	125	1	F0155	M475a
20♦	SCL4428AD	1	8	CMS	MOS	9.99%	.01*†	4		0.0	10	75n△			100u%	4.5	-55	125	1	F0155	M475b
21♦	SCL4428AE	1	8	CMS	MOS	9.99%	.01*†	4		0.0	10	75n△			100u%	4.5	-40	85	1	F0155	M475c
22♦	SCL4428AF	1	8	CMS	MOS	9.99%	.01*†	4		0.0	10	75n△			100u%	4.5	-55	125	1	F0155	FP110
23♦	SCL4428AH	1	8	CMS	MOS	9.99%	.01*†	4		0.0	10	75n△			100u%	4.5	-55	125	1	F0155	FC☑
24♦	N8250F	1	8	TTL	MON	2.0%	.80*	4		0.0	5.0				125m		0	75	1	F0125	M157
25♦	S8250F	1	8	TTL	MON	2.0%	.80*	4		0.0	5.0				125m		-55	125	1	F0125	M157
26♦	N8250A	1	8	TTL	MON	2.6%	.40†	4	8	0.0	5.0		5.0n	5.0n	125m		0	75	1	F0125	M105q
27♦	N8250J	1	8	TTL	MON	2.6%	.40†	4	8	0.0	5.0		5.0n	5.0n	125m		0	75	1	F0125	T088
28♦	S8250A	1	8	TTL	MON	2.6%	.40†	4	8	0.0	5.0		5.0n	5.0n	125m		-55	125	1	F0125	M105q
29♦	S8250J	1	8	TTL	MON	2.6%	.40†	4	8	0.0	5.0		5.0n	5.0n	125m		-55	125	1	F0125	T088
30♦	N8T01B	1	10	TTL	MON	68%	2.7†*	4	10	5	5				60mt		0	75	1	F0119	M117a
31♦	N8T01E	1	10	TTL	MON	68%	2.7†*	4	10	5.0	5.0				60mt		0	75	1	F0119	M153a
32♦	S8T01B	1	10	TTL	MON	68%	2.7†*	4	10	5	5				60mt		-20	85	1	F0119	M117a
33♦	S8T01E	1	10	TTL	MON	68%	2.7*†	4	10	5.0	5.0				60mt		-55	125	1	F0119	M153a
34#	M53354P	1	18†		MON	2.0%	.80*	6	10	0.0	5.0				170mt		0	75	1	F0130	M186
35#	M53355P	1	18†		MON	2.0%	.80*	6	70	0.0	5.0				125mt		0	75	1	F0131	M153b
36#	M53356P	1	18†		MON	2.0%	.80*	6	10	0.0	5.0				125mt		0	75	1	F0131	M153b
37#	MIC64154J	1	18		MON	2.0%	.80*	6	16	0.0	5.0	23nt			170mt	400m	-40	85	1	F0139	M197b
38	3202	1	18			2.0%	.85*	8	6	0.0	5.0	40nt△			525m%		0	75	1	F0132	M207a
39	C3205	1	18			2.0%	.85*	6	8	0.0	5.0	18nt△			350m§		-65	125		F0158	M207a
40	D3205	1	18			2.0%	.85*	6	8	0.0	5.0	18nt△			350m§		-65	125		F0158	M146f
41	P3205	1	18			2.0%	.85*	6	8	0.0	5.0	18nt△			350m§		-65	75		F0158	M146g
42♦	MBD1	1	18		PCB	5.0	0.0	4	8	0.0	5.0	25n%			260m	1.0	0	70	8		CB53
43♦	HD1-54C154	1	18	CMS	MOS	8.0%	2.0*	4	16	0.0	10		20n	20nt	100n%	4.5 △	-55	125	1	F182	M197d
44♦	HD1-74C154	1	18	CMS	MOS	8.0%	2.0*	4	16	0.0	10		20n	20nt	100n%	4.5 △	-40	85	1	F182	M197d
45♦	HD9-54C154	1	18	CMS	MOS	8.0%	2.0*	4	16	0.0	10		20n	20nt	100n%	4.5 △	-55	125	1	F182	FP105
46♦	HD9-74C154	1	18	CMS	MOS	8.0%	2.0*	4	16	0.0	10		20n	20nt	100n%	4.5 △	-40	85	1	F182	FP105
47♦	CD4514BH	1	18	CMS	MOS	9.99%	.01*†	6	16	0.0	15	200n△			200m	4.5 △	-55	125	1	F0146	FC☑
48♦	CD4515BH	1	18	CMS	MOS	9.99%	.01*†	6	16	0.0	15	200n△			200m	4.5 △	-55	125	1	F0146	FC☑
49♦	CD4555BH	1	18	CMS	MOS	9.99%	.01*†	3	4	0.0	15	100n			200m	4.5 △	-55	125	2	F0153	FC☑
50♦	MC14514AL	1	18	CMS	MOS	9.99%	.01*†	6	16	0.0	10	300nt	120nt	180nt	200mt		-55	125	1	F0146	M292
51♦	MC14514CL	1	18	CMS	MOS	9.99%	.01*†	6	16	0.0	10	300nt	120nt	180nt	200mt		-40	85	1	F0146	M292
52♦	MC14515AL	1	18	CMS	MOS	9.99%	.01*†	6	16	0.0	10	300nt	120nt	180nt	200mt		-55	125	1	F0146a	M292
53♦	MC14515CL	1	18	CMS	MOS	9.99%	.01*†	6	16	0.0	10	300nt	120nt	180nt	200mt		-40	85	1	F0146a	M292
54♦	CD4514BD	1	18	CMS	MOS	10	0.0	6	16	0.0	15	200n△			200m	4.5 △	-55	125	1	F0146	△015AG
55♦	CD4515BD	1	18	CMS	MOS	10	0.0	6	16	0.0	15	200n△			200m	4.5 △	-55	125	1	F0146	△015AG
56♦	CD4555BD	1	18	CMS	MOS	10	0.0	2	4	0.0	15	200n△			200m	4.5 △	-55	125	2	F0153	△001AE
57♦	CD4555BE	1	18	CMS	MOS	10	0.0	2	4	0.0	15	200n△			200m	4.5 △	-40	85	2	F0153	△001AC
58♦	CD4555BF	1	18	CMS	MOS	10	0.0	2	4	0.0	15	200n△			200m	4.5 △	-55	125	2	F0153	△001AC
59♦	CD4555BK	1	18	CMS	MOS	10	0.0	2	4	0.0	15	200n△			200m	4.5 △	-55	125	2	F0153	△004AG
60♦	CD4556BD	1	18	CMS	MOS	15%	.05*†	2	4	0.0	15	200n△			200m	4.5 △	-55	125	2	F0154	△001AE
61♦	CD4556BE	1	18	CMS	MOS	15%	.05*†	2	4	0.0	15	200n△			200m	4.5 △	-40	85	2	F0154	△001AC
62♦	CD4556BF	1	18	CMS	MOS	15%	.05*†	2	4	0.0	15	200n△			200m	4.5 △	-55	125	2	F0154	△001AC
63♦	CD4556BH	1	18	CMS	MOS	15%	.05*†	3	4	0.0	15	100n			200m	4.5 △	-55	125	2	F0154	FC☑
64♦	CD4556BK	1	18	CMS	MOS	15%	.05*†	2	4	0.0	15	200n△			200m	4.5 △	-55	125	2	F0154	△004AG
65♦	MBD1☑	1	18	DTL	PCB	3.0%	.40*	4	8	0.0	5.0	40nt			260m	1.0	0	70	8		CB53
66▼	MBD1A	1	18	DTL	PCB	3.0%	.40*	4	8	0.0	5.0	40nt			260m	1.0	0	70	8		CB53
67♦	MC1044P	1	18	ECT	MON	.85%	1.5*†	4	10	5.2	0.0	6.0n			245m		0	75	1	F0129	M278
68♦	MC1242F	1	18	ECT	MON-	.75%	1.6*	3	4	5.2	0.0	14n			245mt		-55	125	2	F0127	FP85
69♦	MC1042P	1	18	ECT	MON-	.75%	-1.6*	3	4	5.2	0.0	6.5n			245m		0	75	2	F0127	M278
70♦	MC1242L	1	18	ECT	MON-	.75%	-1.6*	3	4	5.2	0.0	14n			245mt		-55	125	2	F0127	M191
71♦	MC1043P	1	18	ECT	ECT	-.85%	-1.5*†	3	8	5.2	0.0	6.0n	4.5n	6.5n	210m		0	75	1	F0126	TO116
72♦	MC1243F	1	18	ECT	MON-	.85%	-1.5*†	3	8	5.2	0.0	6.0n	4.5n	6.5n	210m		-55	125	1	F0126	TO86
73♦	10161F	1	18	ECT	MON-	.85	-1.7	5	8	5.2	0.0	4.0n	2.5nt	2.5nt	285mt	200m	-30	85	1	F0142	M153a
74♦	10162F	1	18	ECT	MON-	.85	-1.7	5	8	5.2	0.0	4.0n	2.5nt	2.5nt	285mt	200m	-30	85	1	F0143	M153a
75♦	10171F	1	18	ECT	MON-	.85	-1.7	5	8	5.2	0.0	4.0n	2.5nt	2.5nt	295mt	200m	-30	85	1	F0144	M153a
76♦	10172F	1	18	ECT	MON-	.85	-1.7	5	8	5.2	0.0	4.0n	2.5nt	2.5nt	295mt	200m	-30	85	1	F0145	M153a
77♦#	GXB10161	1	18	ECT	MON-	.88	-1.7	5	8	5.2	0.0	4.0nt	3.0nt	3.0nt	490mt		0	75	1	F0136	M200n
78♦#	GXB10162	1	18	ECT	MON-	.88	-1.7	5	8	5.2	0.0	4.0nt	3.0nt	3.0nt	490mt		0	75	1	F0136	M200n
79♦#	GXB10172	1	18	ECT	MON-	.88	-1.7†	5		5.2	0.0	2.0nt					0	75	2	F0145	M200f
80♦	MC10561F	1	18	ECT	MON-	.93%	-1.6*†	3	8	5.2	0.0	4.0nt	3.3n	3.3n	315mt		-55	125	1	F0152	FP85
81♦	MC10561L	1	18	ECT	MON-	.93%	-1.6*†	3	8	5.2	0.0	4.0nt	3.3n	3.3n	315mt		-55	125	1	F0152	M191
82♦	MC10562F	1	18	ECT	MON-	.93%	-1.6*†	3	8	5.2	0.0	4.0nt	3.3n	3.3n	315mt		-55	125	1	F0152a	FP85
83♦	MC10562L	1	18	ECT	MON-	.93%	-1.6*†	3	8	5.2	0.0	4.0nt	3.3n	3.3n	315mt		-55	125	1	F0152a	M191
84♦	MC10571F	1	18	ECT	MON-	.93%	-1.6*†	2	4	5.2	0.0	4.0nt	3.3n	3.3n	330mt		-55	125	2	F0144	FP85
85♦	MC10571L	1	18	ECT	MON-	.93%	-1.6*†	2	4	5.2	0.0	4.0nt	3.3n	3.3n	330mt		-55	125	2	F0144	M191
86♦	MC10572F	1	18	ECT	MON-	.93%	-1.6*†	2	4	5.2	0.0	4.0nt	3.3n	3.3n	325mt		-55	125	2	F0145	FP85
87♦	MC10572L	1	18	ECT	MON-	.93%	-1.6*†	2	4	5.2	0.0	4.0nt	3.3n	3.3n	325mt		-55	125	2	F0145	M191
88♦	MC10161L	1	18	ECT	MON-	.96%	-1.6*†	5	8	5.2	0.0	6.0n△	3.3n	3.3n	315mt		-30	85	1	F0136	M191
89♦	MC10161P	1	18	ECT	MON-	.96%	-1.6*†	5	8	5.2	0.0	6.0n△	3.3n	3.3n	315mt		-30	85	1	F0136	M278
90♦	MC10162L	1	18	ECT	MON-	.96%	-1.6*†	5	8	5.2	0.0	6.0n△	3.3n	3.3n	315mt		-30	85	1	F0136a	M191
91♦	MC10162P	1	18	ECT	MON-	.96%	-1.6*†	5	8	5.2	0.0	6.0n△	3.3n	3.3n	315mt		-30	85	1	F0136a	M278
92♦	MC10171L	1	18	ECT	MON-	.96%	-1.6*†	5		5.2	0.0	4.0n%	2.0nt	2.0nt	325mt		-30	85	2	F0144	M191
93♦	MC10171P	1	18	ECT	MON-	.96%	-1.6*†	2	4	5.2	0.0	4.0n%	2.0nt	2.0nt	325mt		-30	85	2	F0144	M278
94♦	MC10172L	1	18	ECT	MON-	.96%	-1.6*†	5		5.2	0.0	4.0n%	2.0nt	2.0nt	325mt		-30	85	2	F0145	M191
95♦	MC10172P	1	18	ECT	MON-	.96%	-1.6*†	2	4	5.2	0.0	4.0n%	2.0nt	2.0nt	325mt		-30	85	2	F0145	M278
96♦	SN10162J	1	18	ECT	MON-	.98%	-1.6*	5	8	5.2	0.0	2.0n					0	85	1	F0156	M153d
97♦	SN10162N	1	18	ECT	MON-	.98%	-1.6*	5	8	5.2	0.0	2.0n					0	85	1	F0156	M117x
98♦	SN10171J	1	18	ECT	MON-	.98%	-1.6*	4	4	5.2	0.0	2.0n					0	85	2	F0157	M153d
99♦	SN10171N	1	18	ECT	MON-	.98%	-1.6*	4	4	5.2	0.0	2.0n					0	85	2	F0157	M117x
100♦	SN10172J	1	18	ECT	MON-	.98%	-1.6*	4	4	5.2	0.0	2.0n					0	85	2	F0157a	M153d
101♦	SN10172N	1	18	ECT	MON-	.98%	-1.6*	4	4	5.2	0.0	2.0n					0	85	2	F0157a	M117x
102♦	MC1043F	1	18	ECT	ECT	-.85%	-1.5*†	3	25	5.2	0.0	6.0n	4.5n	6.5n	210m		0	75	1	F0126	TO85
103♦	MC1243L	1	18	ECT	ECT	-.85%	-1.5*†	3	25	5.2	0.0	6.0n	4.5n	6.5n	210m		-55	125	1	F0126	TO116
104♦	9315DM	1	18	TTL	MON	1.9%	1.1*	4	10	0.0	5.0						-55	125	1	F0233a	M153a
105♦	9315FM	1	18	TTL	MON	1.9%	1.1*	4	10	0.0	5.0						-55	125	1	F0233a	FP47b
106♦	93L01DC	1	18	TTL	MON	2.0%	.70*	4	10	0.0	5.0	70nt△			45mt	400m	0	75	1	F0233	M224c
107♦	93L01DM	1	18	TTL	MON	2.0%	.70*	4	10	0.0	5.0	70nt△			45mt	400m	-55	125	1	F0233	M224c
108♦	93L01FM	1	18	TTL	MON	2.0%	.70*	4	10	0.0	5.0	70nt△			45mt	400m	-55	125	1	F0233	FP79b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE(3)LOGIC TYPE(4)LEVEL '1' (5)LEVEL '0' (6)TYPE No.

LINE No.	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	3 LOGIC TYPE	PRO-CESS	LOGIC LEVEL 4 '1' (V)	LOGIC LEVEL 5 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRAN-SITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	93L01PC	1	18	TTL	MON	2.0%	.70*	4	10	0.0	5.0	70nt△			45mt		0	75	1	F0233	M357
2♦	93L11DC	1	18	TTL	MON	2.0%	.70*	4	16	0.0	5.0	75nt△			58mt	400m	0	75	1	F0232	M246
3♦	93L11DM	1	18	TTL	MON	2.0%	.70*	1	16	0.0	5.0	75nt△			58mt	400m	-55	125	1	F0232	M246
4♦	93L11FM	1	18	TTL	MON	2.0%	.70*	4	16	0.0	5.0	75nt△			58mt	400m	-55	125	1	F0232	FP105
5♦	93L11PC	1	18	TTL	MON	2.0%	.70*	4	16	0.0	5.0	75nt△			58mt		0	75	1	F0232	M197a
6♦	93L21DC	1	18	TTL	MON	2.0%	.70*	3	4	0.0	5.0	65nt△			45mt		0	75	2	F0149	M356
7♦	93L21DM	1	18	TTL	MON	2.0%	.70*	3	4	0.0	5.0	65nt△			45mt		-55	125	2	F0149	M224c
8♦	93L21FM	1	18	TTL	MON	2.0%	.70*	3	4	0.0	5.0	65nt△			45mt		-55	125	2	F0149	FP79b
9♦	93L21PC	1	18	TTL	MON	2.0%	.70*	3	4	0.0	5.0	65nt△			45mt		0	75	2	F0149	M357
10♦	DM54L154AD	1	18	TTL	MON	2.0%	.70*	6	16	0.0	5.0	150nt△			20mt		-55	125	1	F0139	M400
11♦	DM54L154AF	1	18	TTL	MON	2.0%	.70*	6	16	0.0	5.0	150nt△			20mt		-55	125	1	F0139	FP107a
12♦	DM54L154AN	1	18	TTL	MON	2.0%	.70*	6	16	0.0	5.0	150nt△			20mt		-55	125	1	F0139	M396
13♦	DM74L154AD	1	18	TTL	MON	2.0%	.70*	6	16	0.0	5.0	150nt△			20mt		0	70	1	F0139	M400
14♦	DM74L154AF	1	18	TTL	MON	2.0%	.70*	6	16	0.0	5.0	150nt△			20mt		0	70	1	F0139	FP107a
15♦	DM74L154AN	1	18	TTL	MON	2.0%	.70*	6	16	0.0	5.0	150nt△			20mt		0	70	1	F0139	M396
16♦	SN54LS155J	1	18	TTL	MON	2.0%	.70*	6	8	0.0	5.0	30nt△			31mt	400m	-55	125	1	F0131	M153d
17♦	SN54LS155W	1	18	TTL	MON	2.0%	.70*	6	8	0.0	5.0	30nt△			31mt	400m	-55	125	1	F0131	△004AG
18♦	SN54LS156J	1	18	TTL	MON	2.0%	.70*	6	8	0.0	5.0	51nt△			31mt	400m	-55	125	1	F0131	M153d
19♦	SN54LS156W	1	18	TTL	MON	2.0%	.70*	6	8	0.0	5.0	51nt△			31mt	400m	-55	125	1	F0131	△004AG
20♦	9321DC	1	18	TTL	MON	2.0%	.80*	3	4	0.0	5.0	21nt△			250m%		0	75	2	F1714	M224c
21♦	9321DM	1	18	TTL	MON	2.0%	.80*	3	4	0.0	5.0	21nt△			250m%		-55	125	2	F1714	M224c
22♦	9321FM	1	18	TTL	MON	2.0%	.80*	3	4	0.0	5.0	21nt△			250m%		-55	125	2	F1714	FP79b
23♦	9321PC	1	18	TTL	MON	2.0%	.80*	3	4	0.0	5.0	21nt△			250m%		0	75	2	F1714	M357
24♦#	FLY141-74154	1	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	36nt△			280m§	1.0 △	0	70	1	F0249	M186
25♦#	FLY145-84154	1	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	36nt△			280m§	1.0 △	-25	85	1	F0249	M186
26♦#	FLY151-74155	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	32nt△			200m§	1.0 △	0	70	1	F0131	M117w
27♦#	FLY155-84155	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	32nt△			200m§	1.0 △	-25	85	1	F0131	M117w
28♦#	FLY161-74156	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	34nt△			200m§	1.0 △	0	70	1	F0131	M117w
29♦#	FLY165-84156	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	34nt△			200m§	1.0 △	-25	85	1	F0131	M117w
30▼#	GFB74154	1	18	TTL	MON	2.0%	.80*	3	16	0.0	5.0	36nt△			170mt	400m	0	70	1	F0245	M199a
31♦#	MIC54154J	1	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	23nt			170mt	400m	-55	125	1	F0139	M197b
32♦#	MIC54155J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt			125mt	400m	-55	125	1	F0131	M153g
33♦#	MIC54156J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt			125mt	400m	-55	125	1	F0131	M153a
34♦#	MIC64155J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt			125mt	400m	-40	85	1	F0131	M153a
35♦#	MIC64156J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt			125mt	400m	-40	85	1	F0131	M153a
36♦#	MIC74154J	1	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	23nt			170mt	400m	0	75	1	F0139	M197b
37♦#	MIC74154N	1	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	23nt			170mt	400m	0	75	1	F0139	M274
38♦#	MIC74155J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt			125mt	400m	0	75	1	F0131	M153g
39♦#	MIC74155N	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt			125mt	400m	0	75	1	F0131	M117ab
40♦#	MIC74156J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt			125mt	400m	0	75	1	F0131	M153g
41♦#	MIC74156N	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt			125mt	400m	0	75	1	F0131	M117ab
42♦#	SFC4155E	1	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0				125mt		0	70	1	F0131	M117
43♦#	SFC4155EM	1	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0				125mt		-55	125	1	F0131	M117
44♦#	SFC4155ET	1	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0				125mt		-25	85	1	F0131	M117
45♦#	SFC4156E	1	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0				125mt		0	70	1	F0131	M117
46♦#	SFC4156EM	1	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0				125mt		-55	125	1	F0131	M117
47♦#	SFC4156ET	1	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0				125mt		-25	85	1	F0131	M117
48♦	SN74LS155J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	30nt△			31mt		0	70	1	F0131	M153d
49♦	SN74LS155N	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	30nt△			31mt		0	70	1	F0131	M117x
50♦	SN74LS156J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	51nt△			31mt		0	70	1	F0131	M153d
51♦	SN74LS156N	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	51nt△			31mt		0	70	1	F0131	M117x
52♦	SN54154N	1	18T	TTL	MON	2.0%	.80*	6	10	0.0	5.0				170mt		-55	125	1	F0130	M186
53♦	SN54155J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	32nt△			125mt	400m	-55	125	1	F0131	M153d
54♦	SN54155N	1	18T	TTL	MON	2.0%	.80*	6	10	0.0	5.0				125mt		-55	125	1	F0131	M117
55♦	SN54155W	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	32nt△			125mt	400m	-55	125	1	F0131	△004AG
56♦	SN54156J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	34nt△			125mt		-55	125	1	F0131	M153d
57♦	SN54156N	1	18T	TTL	MON	2.0%	.80*	6	10	0.0	5.0				125mt		-55	125	1	F0131	M117
58♦	SN54156W	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	34nt△			125mt		-55	125	1	F0131	△004AG
59♦	SN74155J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	32nt△			125mt	400m	0	70	1	F0131	M153d
60♦	SN74155N	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	32nt△			125mt	400m	0	70	1	F0131	M117x
61♦	SN74156J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	34nt△			125mt		0	70	1	F0131	M153d
62♦	SN74156N	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	34nt△			125mt		0	70	1	F0131	M117x
63♦	SW7485J	1	18T	TTL	MON	2.0%	.80*	3	10	0.0	5.0				280mt		0	70	1		M153
64♦	SW7485N	1	18	TTL	MON	2.0%	.80*	11	3	0.0	5.0	35n△			280mt		0	70	1	K3217	M117
65♦	SW74154J	1	18T	TTL	MON	2.0%	.80*	6	10	0.0	5.0				170mt		0	70	1	F0130	M197
66♦	SW74154N	1	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	36n△			294m%		0	70	1	F0130	M274
67♦	SW74155J	1	18T	TTL	MON	2.0%	.80*	6	8	0.0	5.2	32n△			210mt		0	70	1	F0131	M153
68♦	SW74155N	1	18T	TTL	MON	2.0%	.80*	6	8	0.0	5.2	32n△			210mt		0	70	1	F0131	M153
69♦	SW74156J	1	18T	TTL	MON	2.0%	.80*	6	8	0.0	5.2	34n△			210mt		0	70	1	F0131	M153
70♦	SW74156N	1	18T	TTL	MON	2.0%	.80*	6	8	0.0	5.2	34n△			210mt		0	70	1	F0131	M153
71♦#	TL74155N	1	18	TTL	MON	2.0%	.80*	7	8	0.0	5.0	34nt△			210mt		0	70	1	F0131	M117u
72♦#	TL74156N	1	18	TTL	MON	2.0%	.80*	7	8	0.0	5.0	34nt△			210mt		0	70	1	F0131	M117u
73♦	US54154A	1	18	TTL	MON	2.0%	.80*	4	16	0.0	5.0				170mt		-55	125	1	F0130	M186
74♦	US74154A	1	18	TTL	MON	2.0%	.80*	4	16	0.0	5.0				170mt		0	70	1	F0130	M186
75♦#	ZN54154E	1	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	36nt△			170mt	1.0 △	-55	125	1	F0130	TO116
76♦#	ZN54154J	1	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	36nt△			170mt	1.0 △	-55	125	1	F0130	M257e
77♦#	ZN54155E	1	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	32nt△			125mt	1.0 △	-55	125	1	F0131	TO116
78♦#	ZN54155J	1	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	32nt△			125mt	1.0 △	-55	125	1	F0131	M257e
79♦#	ZN74154E	1	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	36nt△			170mt	1.0 △	0	70	1	F0130	TO116
80♦#	ZN74154J	1	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	36nt△			170mt	1.0 △	0	70	1	F0130	M257e
81♦#	ZN74155E	1	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	32nt△			125mt	1.0 △	0	70	1	F0131	TO116
82♦#	ZN74155J	1	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	32nt△			125mt	1.0 △	0	70	1	F0131	M257e
83♦	9315DC	1	18	TTL	MON	2.0%	.85*	4	10	0.0	5.0						0	70	1	F0233a	M153a
84♦	9315FC	1	18	TTL	MON	2.0%	.85*	4	10	0.0	5.0						0	70	1	F0233a	FP47b
85♦	MC4038P	1	18	TTL	MON	2.0%	.90*	3	8	0.0	5.0				240mt		0	75	1	F0122	M278
86♦	MC4306F	1	18	TTL	MON	2.4%	.40*†	3	8	0.0	5.0	14nt			100mt		-55	125	1	F0121	TO86
87♦	MC4306L	1	18	TTL	MON	2.4%	.40*†	3	8	0.0	5.0	14nt			100mt		-55	125	1	F0121	TO116
88♦	MC4307L	1	18	TTL	MON	2.4%	.40*†	3	4	0.0	5.0	14nt			125mt		-55	125	2	F0128	M191
89♦	MC54406F	1	18	TTL	MON	2.4%	.40*†	4	8	0.0	5.0	14nt			100mt		-55	125	1	F0121	TO86
90♦	MC54406L	1	18	TTL	MON	2.4%	.40*†	4	8	0.0	5.0	14nt			100mt		-55	125	1	F0121	TO116
91♦	MC74406F	1	18	TTL	MON	2.4%	.40*†	4	8	0.0	5.0	14nt			100mt		0	75	1	F0121	TO86
92♦	MC74406L,P%	1	18	TTL	MON	2.4%	.40*†	4	8	0.0	5.0	14nt			100mt		0	75	1	F0121	TO116
93♦	MCE54H146F	1	18	TTL	MON	2.4%	.40†*	4	10	0.0	5.0				130mt		-55	125	1	F0134	TO86
94♦	MCE74H146F	1	18	TTL	MON	2.4%	.40†*	4	10	0.0	5.0				130mt		0	70	1	F0134	TO86
95♦	MC4006F	1	18	TTL	MON	2.5%	.40*†	3	8	0.0	5.0	14nt			100mt		0	75	1	F0121	TO86
96♦	MC4006L,P%	1	18	TTL	MON	2.5%	.40*†	3	8	0.0	5.0	14nt			100mt		0	75	1	F0121	TO116
97♦	MC4007L	1	18	TTL	MON	2.5%	.40*†	3	10	0.0	5.0	29nt△			125mt		0	75	2	F0128	M191
98♦	MC4007P	1	18	TTL	MON	2.5%	.40*†	3	4	0.0	5.0	14nt			125mt		0	75	2	F0128	M278
99♦	MC4048P	1	18	TTL	MON	2.5%	.45*†	6	8	0.0	5.0				240mt		0	75	1	F0122	M278
100♦	MC7250L,P%	1	18	TTL	MON	2.8%	.40*†	4	8	0.0	5.0				75mt		0	75	1	F0137	TO116
101♦	MC7251L	1	18	TTL	MON	2.8%	.40*†	4	10	0.0	5.0				80mt		0	75	1	F0138	M191
102♦	MC7251P	1	18	TTL	MON	2.8%	.40*†	4	10	0.0	5.0				80mt		0	75	1	F0138	M278
103♦	MC8250L	1	18	TTL	MON	2.8%	.40*†	4	8	0.0	5.0				75mt		0	75	1	F0137	TO116
104♦	MC8251L	1	18	TTL	MON	2.8%	.40*†	4	8	0.0	5.0				80mt		0	75	1	F0138	M191

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE(3)LOGIC TYPE(4)LEVEL '1' (5)LEVEL '0' (6)TYPE No.

LINE No.	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	3 LOGIC TYPE	PRO-CESS	LOGIC LEVEL 4 '1' (V)	LOGIC LEVEL 5 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRAN-SITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	MC4040P	1	19	TTL	MOS	2.0%	.90*	4	8	0.0	5.0	45n			200mt		0	75	1	F0122a	M278
2♦	SW7442J	2		TTL	MOS	2.0%	.80*	4	10	0.0	5.2	30n%			140m	1.0	0	70	1	F0229a	M153b
3	5548	2	1		PCB	2.0%	.80*	7	7	0.0	5.0	40nt△			930mt		0	70	3		CB62
4♦	MBD1△	2	1		PCB	2.0%	.95*	1	7	0.0	5.0				521m	1.0 △	0	70			CB37c
5♦#	FLH561-74184	2	1	TTL	MOS	2.0%	.80*	5	5	0.0	5.0	40nt△			495m§	1.0 △	0	70	1	F0275	M117w
6♦#	FLH565-84184	2	1	TTL	MOS	2.0%	.80*	5	5	0.0	5.0	40nt△			495m§	1.0 △	-25	85	1	F0275	M117w
7♦	MC4001L#1	2	1	TTL			2.5* .45*†	6		0.0	5.0	45n			300mt		0	75	1	F0236	M191
8♦	MC4001P#1	2	1	TTL			2.5* .45*†	6		0.0	5.0	45n			300mt		0	75	1	F0236	M278
9♦	DM54L42AF	2	3	TTL	MOS	2.0%	.70*	4	10	0.0	5.0	140nt△			15mt		-55	125	1	F0243	FP88b
10♦	DM54L42AJ	2	3	TTL	MOS	2.0%	.70*	4	10	0.0	5.0	140nt△			15mt		-55	125	1	F0243	M346a
11♦	DM54L42AN	2	3	TTL	MOS	2.0%	.70*	4	10	0.0	5.0	140nt△			15mt		-55	125	1	F0243	M345
12♦	DM74L42AF	2	3	TTL	MOS	2.0%	.70*	4	10	0.0	5.0	140nt△			15mt		0	70	1	F0243	FP88b
13♦	DM74L42AJ	2	3	TTL	MOS	2.0%	.70*	4	10	0.0	5.0	140nt△			15mt		0	70	1	F0243	M346a
14♦	DM74L42AN	2	3	TTL	MOS	2.0%	.70*	4	10	0.0	5.0	140nt△			15mt		0	70	1	F0243	M345
15#	MIC381-1D1	2	4*		MOS		1.2△†	4	10	0.0	15						-55	125	1	F0247	M200d
16▼	BIP8806-1	2J	4		3DM	1.0%	.50*	4	10		200						0	75		F0293	M518
17▼	BIP8806-2	2J	4		3DM	1.0%	.50*	4	10		200						0	75		F0293	M518
18	5553	2	4		PCB	2.0%	.80*	4	10	0.0	5.0	50nt△			750mt		0	70	3	F0259	CB62
19	5553A	2	4		PCB	2.0%	.80*	4	10	0.0	5.0	50nt△			750mt		0	70	3	F0259	CB62
20♦	5583	2	4		PCB	2.0%	.80*	4	10	0.0	5.0	35nt△			420mt		0	70	3	F0262	CB62
21	DM9301W	2	4		MOS	2.0%	.80*	4	10	0.0	5.0	30nt△			125mt		-55	125	1	F0280	FP88a
22#	M5362P	2	4		MOS	2.0%	.80*	4	100	0.0	7.0	30n%			138mt	1.0 △	0	75	1	F0229a	M153b
23#	M53241P	2	4		MOS	2.0%	.80*	4	10	0.0	7.0				105mt	1.0 △	0	75	1	F0229	M153b
24#	M53242P	2	4		MOS	2.0%	.80*	4	10	0.0	7.0	30n%			140mt	1.0 △	0	75	1	F179	M153b
25▼	BIP8804-1	2J	4		3DM	2.0%	.85*	4	10		200						0	75		F0292	M518
26▼	BIP8804-2	2J	4		3DM	2.0%	.85*	4	10		200						0	75		F0292	M518
27▼	BIP9801-1	2J	4		3DM	2.1%	.80*	4	10		200						-25	100		F0294	M519
28▼	BIP9801-2	2J	4		3DM	2.1%	.80*	4	10		200						-25	100		F0294	M519
29♦	M161	2	4		PCB	2.4	.40	7	20	0.0	5.0		15n	15n	400m	1.0	0	70	1		
30♦	I210	2	4		PCB	5.0	0.0	8	10	4.8	5.2	35n	50n	25n	240mt	1.0	0	70	1		CBØ
31♦	I402	2	4		PCB	5.0	0.0	8	10	4.8	5.2	35n	50n	25n	100m	1.0	0	70	2		CBØ
32♦	I418	2	4		PCB	5.0	0.0	4	12		5.0	50n			1.0 %	1.0			3	F176a	CBØ
33♦	553	2	4		PCB	5.0	.45	8		0.0	5.0						0	70	1		CB55
34♦	553A	2	4		PCB	5.0	.45			0.0	5.0						0	70	1		CB55
35♦	380CJ	2	4		MOS	6.5%	5.0%	8	10	0.0	12		250n	200n	400m	5.0 △	-35	80	1	F0247	M319
36♦	HD1-54C42	2	4		MOS	8.0%	2.0*	4	10	0.0	10	140nt△			50n%	4.5 △	-55	125	1	F0283	M200q
37♦	HD1-74C42	2	4		MOS	8.0%	2.0*	4	10	0.0	10	140nt△			50n%	4.5 △	-40	85	1	F0283	M200q
38♦	HD9-54C42	2	4		MOS	8.0%	2.0*	4	10	0.0	10	140nt△			50n%	4.5 △	-55	125	1	F0283	FP103
39♦	HD9-74C42	2	4		MOS	8.0%	2.0*	4	10	0.0	10	140nt△			50n%	4.5 △	-40	85	1	F0283	FP103
40♦	MM54C42D	2	4	CMS	MOS	3.5%	1.5*	4	10	0.0	5.0	250nt			500m	450m△	-55	125	1	F0282	M346a
41♦	MM74C42N	2	4	CMS	MOS	3.5%	1.5*	4	10	0.0	5.0	250nt			500m	450m△	0	70	1	F0282	M345
42♦	SW4028A	2	4	CMS	MOS	5.0	0.0	4	10	0.0	5.0	250nt			200m		-40	85	1	F0254	M117z
43▼	TF4028AJ	2	4	CMS	MOS	7.1%	2.9*			0.0	10	150n△			6.0m%		-55	125	1	F0296	M153d
44▼	TF4028AN	2	4	CMS	MOS	7.1%	2.9*			0.0	10	150n△			6.0m%		-55	125	1	F0296	M117x
45▼	TP4028AJ	2	4	CMS	MOS	7.1%	2.9*			0.0	10	220n△			14m%		-40	85	1	F0296	M153d
46▼	TP4028AN	2	4	CMS	MOS	7.1%	2.9*			0.0	10	220n△			14m%		-40	85	1	F0296	M117x
47♦	SS4028AE	2	4	CMS	MOS	9.8%	.20*†	4	10	0.0	10	300nt				4.5 △	-30	85		F0291	
48♦	CD4028AF	2	4	CMS	MOS	9.99%	.01*†	4	10	0.0	10	75n△			100u%	4.5 △	-55	125	1	F0254	△001AC
49♦	HD1-4028A2	2	4	CMS	MOS	9.99%	.01*†	4	10	0.0	10	75n△	20n	20nt	100u%	4.5 △	-55	125	1	F0254	M200q
50♦	HD1-4028A9	2	4	CMS	MOS	9.99%	.01*†	4	10	0.0	10	150n△	20n	20nt	1.0m%	4.5 △	-40	85	1	F0254	M200q
51♦	HD9-4028A2	2	4	CMS	MOS	9.99%	.01*†	4	10	0.0	10	75n△	20n	20nt	100u%	4.5 △	-55	125	1	F0254	FP103
52♦	HD9-4028A9	2	4	CMS	MOS	9.99%	.01*†	4	10	0.0	10	150n△	20n	20nt	1.0m%	4.5 △	-40	85	1	F0254	FP103
53♦	MC14028AL#1	2	4	CMS	MOS	9.99%	.01*†	4	10	0.0	10	180n△	75n	75n	100u		-55	125	1	F0272	M191
54♦	MC14028CL#1	2	4	CMS	MOS	9.99%	.01*†	4	10	0.0	10	290n△	110n	110n	1.0m		-40	85	1	F0272	M191
55♦	MC14028CP#1	2	4	CMS	MOS	9.99%	.01*†	4	10	0.0	10	290n△	110n	110n	1.0m		-40	85	1	F0272	M278
56♦	SCL4028AC	2	4	CMS	MOS	9.99%	.01*†	4		0.0	10	75n△			100u%	4.5	-55	125	1	F0254	M475d
57♦	SCL4028AD	2	4	CMS	MOS	9.99%	.01*†	4		0.0	10	75n△			100u%	4.5	-55	125	1	F0254	M475e
58♦	SCL4028AE	2	4	CMS	MOS	9.99%	.01*†	4		0.0	10	75n△			100u%	4.5	-40	85	1	F0254	M475f
59♦	SCL4028AF	2	4	CMS	MOS	9.99%	.01*†	4		0.0	10	75n△			100u%	4.5	-55	125	1	F0254	FP111
60♦	SCL4028AH	2	4	CMS	MOS	9.99%	.01*†	4		0.0	10	75n△			100u%	4.5	-55	125	1	F0254	FCØ
61♦	CD4028AD	2	4	CMS	MOS	10	0.0†	4	50	0.0	10	75n△			100u%	4.5 △	-55	125	1	F0254	△001AE
62♦	CD4028AE	2	4	CMS	MOS	10	0.0†	4	50	0.0	10	150 △			1.0m%	4.5 △	-40	85	1	F0254	△001AC
63♦	CD4028AK	2	4	CMS	MOS	10	0.0†	4	50	0.0	10	75n△			100u%	4.5 △	-55	125	1	F0254	△004AG
64♦	CM4028AD	2	4	CMS	MOS	10	0.0†	4	10	0.0	10	75n△			200m	4.5 △	-55	125	1	F0254	M210b
65♦	CM4028AE	2	4	CMS	MOS	10	0.0†	4	10	0.0	10	150n△			200m	4.5 △	-40	85	1	F0254	M210b
66♦#	HBC4028AD	2	4	CMS	MOS	10	0.0†	4	50	0.0	10	75n△			100u%	4.5 △	-55	125	1	F0254	△001AE
67♦#	HBC4028AF	2	4	CMS	MOS	10	0.0†	4	50	0.0	10	75n△			100u%	4.5 △	-55	125	1	F0254	△001AE
68♦#	HBC4028AK	2	4	CMS	MOS	10	0.0†	4	50	0.0	10	75n△			100u%	4.5 △	-55	125	1	F0254	△004AG
69♦#	HBF4028AE	2	4	CMS	MOS	10	0.0†	4	50	0.0	10	150n△			1.0m%	4.5 △	-40	85	1	F0254	△001AC
70♦#	HBF4028AF	2	4	CMS	MOS	10	0.0†	4	50	0.0	10	150n△			1.0m%	4.5 △	-40	85	1	F0254	△001AE
71♦#	MIC380-1D	2	4*	DTL	MOS		1.2△†	4	10	0.0	12						-55	125	1	F0247	M200d
72♦#	MIC380-1D1	2	4*	DTL	MOS		1.2△†	4	10	0.0	15						-55	125	1	F0247	M200d
73♦#	MIC380-5D	2	4*	DTL	MOS		1.2△†	4	10	0.0	12						-30	85	1	F0247	M200d
74♦#	MIC380-5D1	2	4*	DTL	MOS		1.2△†	4	10	0.0	15						-30	70	1	F0247	M200d
75♦#	MIC381-1D	2	4*	DTL	MOS		1.2△†	4	10	0.0	12						-55	125	1	F0247	M200d
76♦#	MIC381-5D	2	4*	DTL	MOS		1.2△†	4	10	0.0	12						-30	85	1	F0247	M200d
77♦#	MIC381-5D1	2	4*	DTL	MOS		1.2△†	4	10	0.0	15						-30	70	1	F0247	M200d
78♦	MC676L	2	4	DTL	MOS		1.5*†	4	10	0.0	15	500n	20nt	20nt	380mt		-30	75	1	F0255	M191
79♦	MC676P	2	4	DTL	MOS		1.5*†	4	10	0.0	15	500n	20nt	20nt	380mt		-30	75	1	F0255	M278
80♦#	MIC382-1D	2	4△	DTL	MOS		2.5△†	4	10	0.0	12						-55	125	1	F0247	M200d
81♦#	MIC382-1D1	2	4△	DTL	MOS		2.5△†	4	10	0.0	15						-55	125	1	F0247	M200d
82♦#	MIC382-5D	2	4△	DTL	MOS		2.5△†	4	10	0.0	12						-30	85	1	F0247	M200d
83♦#	MIC382-5D1	2	4△	DTL	MOS		2.5△†	4	10	0.0	15						-30	70	1	F0247	M200d
84▼	TMDD1	2	4	DTL	PCB	3.3	.22	8	10	0.0	5.0	18nt			80m	1.0	0	70	1		CB53
85▼	TMDD2	2	4	DTL	PCB	3.3	.22	4	10	0.0	5.0				210m	1.0	0	70	2		CB53
86♦	380AJ	2	4	DTL	MOS	6.5*	5.0%	4		0.0	15				570mt	3.2	-30	70	1	F0247	M319
87♦	380AL	2	4	DTL	MOS	6.5*	5.0%	4		0.0	15				570mt	3.2	-30	70	1	F0247	M200j
88♦	380BL	2	4	DTL	MOS	6.5*	5.0%	4		0.0	12				360mt	3.5	-55	125	1	F0247	M200j
89♦	380CL	2	4	DTL	MOS	6.5*	5.0%	4		0.0	12				360mt	3.5	-30	85	1	F0247	M200j
90♦	380ML	2	4	DTL	MOS	6.5*	5.0%	4		0.0	15				570mt	3.2	-55	125	1	F0247	M200j
91♦	381AJ	2	4	DTL	MOS	6.5*	5.0%	4		0.0	15				570mt	3.2	-30	70	1	F0247	M319
92♦	381AL	2	4	DTL	MOS	6.5*	5.0%	4		0.0	15				570mt	3.2	-30	70	1	F0247	M200j
93♦	381BL	2	4	DTL	MOS	6.5*	5.0%	4		0.0	12				360mt	3.5	-55	125	1	F0247	M200j
94♦	381CJ	2	4	DTL	MOS	6.5*	5.0%	4		0.0	12				360mt	3.5	-30	85	1	F0247	M319
95♦	381CL	2	4	DTL	MOS	6.5*	5.0%	4		0.0	15				570mt	3.2	-30	85	1	F0247	M200j
96♦	381ML	2	4	DTL	MOS	6.5*	5.0%	4		0.0	15				570mt	3.2	-55	125	1	F0247	M200j
97♦	382AJ	2	4	DTL	MOS	6.5%	5.0%	4		0.0	15				465mt	3.2	-30	70	1	F0247	M319
98♦	382AL	2	4	DTL	MOS	6.5%	5.0%	4		0.0	15				465mt	3.2	-30	70	1	F0247	M200j
99♦	382BL	2	4	DTL	MOS	6.5%	5.0%	4		0.0	12				288mt	3.5	-55	125	1	F0247	M200j
100♦	382CJ	2	4	DTL	MOS	6.5%	5.0%	4		0.0	12				288mt	3.5	-30	85	1	F0247	M319
101♦	382CL	2	4	DTL	MOS	6.5%	5.0%	4		0.0	12				288mt	3.5	-30	85	1	F0247	M200j
102♦	382ML	2	4	DTL	MOS	6.5%	5.0%	4		0.0	15				465mt	3.2	-55	125	1	F0247	M200j
103♦#	FZL101	2	4	DTL	MOS	8.0%	5.0*	4	10	0.0	12	110nt			300m§	5.0 △	0	70	1	F0229a	M117aa
104♦#	FZL105	2	4	DTL	MOS	8.0%	5.0*	4	10	0.0	12	110nt			300m§	5.0 △	-25	85	1	F0229a	M117aa
105♦#	H158D1	2	4	DTL	MOS	8.0%	6.0*	4	10	0.0	20				600m§	5.0 △	0	75	1	F0233b	M200c
106♦#	H158D2	2	4	DTL	MOS	8.0%	6.0*	4	10	0.0	16				600m§	5.0 △	-55	125	1	F0233b	M200c
107♦#	H158D6	2	4	DTL	MOS	8.0%	6.0*	4	10	0.0	20				600m§	5.0 △	-40	85	1	F0233b	M200c
108♦#	H258B1	2	4	DTL	MOS	8.0%	6.0*	4	10	0.0	16				600m%	5.0 △	0	75	1	F0233b	M200c

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE(3)LOGIC TYPE(4)LEVEL '1' (5)LEVEL '0' (6)TYPE No.

LINE No.	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	3 LOGIC TYPE	PRO-CESS	LOGIC LEVEL 4 '1' (V)	LOGIC LEVEL 5 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRAN-SITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	HEPC2501P-RT	2	4	RTL	MON				7	0.0	3.6	36n			100m						M154
2♦	MC770P	2	4	RTL	MON			4	10	0.0	3.6	35n	40n	40n	100m†		15	55	1	F0234	M278
3♦	MC870P	2	4	RTL	MON			4	10	0.0	3.6	35n	40n	40n	100m†		0	75	1	F0234	M278
4♦	HEPC3041P-RT	2	4	TTL	MON		2.5*†	4		0.0	5.0				105m†		0	70	1	F0229	M154
5♦	MC5441AL	2	4	TTL	MON		2.5*†	4		0.0	5.0						-55	125	1	F0237	M191
6♦	MC7441AL	2	4	TTL	MON		2.5*†	4		0.0	5.0						0	70	1	F0237	M191
7♦	MC7441AP	2	4	TTL	MON		2.5*†	4		0.0	5.0						0	70	1	F0237	M278
8♦	SN54LS42J	2	4	TTL	MON	2.0%	.70*	4	10	0.0	5.0	30n†Δ			35m†	1.0 Δ	-55	125	1	F0243	M153d
9♦	SN54LS42W	2	4	TTL	MON	2.0%	.70*	4	10	0.0	5.0	30n†Δ			35m†	1.0 Δ	-55	125	1	F0243	Δ004AG
10♦	9352DC	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†Δ			280m§		0	70	1	F179	M200j
11♦	9352DM	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†Δ			280m§		-55	125	1	F179	M200j
12♦	9352FC	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†Δ			280m§		0	70	1	F179	FP47b
13♦	9352FM	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†Δ			280m§		-55	125	1	F179	FP47b
14♦	93141DC	2	4	TTL	MON	2.0%	.80*	4		0.0	5.0				55m†		0	70	1	F0229	M267
15♦	DM5441AJ	2	4Δ	TTL	MON	2.0%	.80*	4	10	0.0	5.0				180m†		-55	125	1	F0253	M200k
16♦	DM5441AW	2	4Δ	TTL	MON	2.0%	.80*	4	10	0.0	5.0				180m†		-55	125	1	F0253	FP98b
17♦	DM5442J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†Δ			280m%		-55	125	1	F0233c	M200r
18♦	DM5442W	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†Δ			280m%		-55	125	1	F0233c	FP88a
19♦	DM5445J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			210m†		-55	125	1	F0262	M200k
20♦	DM5445W	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			210m†		-55	125	1	F0262	FP98
21♦	DM7441AJ	2	4Δ	TTL	MON	2.0%	.80*	4	10	0.0	5.0				180m†		0	70	1	F0253	M200k
22♦	DM7441AN	2	4Δ	TTL	MON	2.0%	.80*	4	10	0.0	5.0				180m†		0	70	1	F0253	M345
23♦	DM7442J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†Δ			280m%		0	70	1	F0233c	M200r
24♦	DM7442N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†Δ			280m%		0	70	1	F0233c	M345
25♦	DM7445J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			210m†		0	70	1	F0262	M200k
26♦	DM7445N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			210m†		0	70	1	F0262	M345
27♦	DM7445W	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			210m†		0	70	1	F0262	FP98
28♦	DM8301J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			125m†		0	70	1	F0280	M200r
29♦	DM8301N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			125m†		0	70	1	F0280	M345
30♦	DM8301W	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			125m†		0	70	1	F0280	FP88a
31♦	DM9301J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			125m†		-55	125	1	F0280	M200r
32♦	DM9301N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			125m†		-55	125	1	F0280	M345
33♦	DM54141J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				55m†		-55	125	1	F0290	M200k
34♦	DM54141W	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				55m†		-55	125	1	F0290	FP98
35♦	DM54145J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			210m†		-55	125	1	F0262	M200k
36♦	DM54145W	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			210m†		-55	125	1	F0262	FP98
37♦	DM74141J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				55m†		0	70	1	F0290	M200k
38♦	DM74141N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				55m†		0	70	1	F0290	M345
39♦	DM74141W	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				55m†		0	70	1	F0290	FP98
40♦	DM74145J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			210m†		0	70	1	F0262	M200k
41♦	DM74145N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			210m†		0	70	1	F0262	M345
42♦	DM74145W	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			210m†		0	70	1	F0262	FP98
43♦#	FJH261-7442	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	20n%			140m†		0	70	1	F179	M117q
44♦#	FLH281-7442	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			280m§	1.0 Δ	0	70	1	F0229a	M117w
45♦#	FLH285-8442	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n†Δ			280m§	1.0 Δ	-25	85	1	F0229a	M117w
46♦#	FLL101-74141	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				125m§		0	70	1	F0253	M117w
47♦#	FLL111-7445	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n†Δ			350m§	1.0 Δ	0	70	1	F179	M117w
48♦#	FLL115-8445	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n†Δ			350m§	1.0 Δ	-25	85	1	F179	M117w
49▼#	GFB7442	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				140m†	400m	0	70	1	F0243	M146e
50▼#	GFB74141	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				115m†	400m	0	70	1	F0274	M117v
51♦	JANM38510/01001BEA	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46n†Δ			226m		-55	125	1	F0243	M323
52♦	JANM38510/01001BEB	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46n†Δ			226m		-55	125	1	F0243	M323
53♦	JANM38510/01001BFB	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46n†Δ			226m		-55	125	1	F0243	FP117
54♦	JANM38510/01001CEA	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46n†Δ			226m		-55	125	1	F0243	M323
55♦	JANM38510/01001CEB	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46n†Δ			226m		-55	125	1	F0243	M323
56♦	JANM38510/01001CFB	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46n†Δ			226m		-55	125	1	F0243	FP117
57♦	JANM38510/01004BEB	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	73n†Δ			341m		-55	125	1	F0243	M323
58♦	JANM38510/01004BFB	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	73n†Δ			341m		-55	125	1	F0243	FP117
59♦	JANM38510/01004CEB	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	73n†Δ			341m		-55	125	1	F0243	M323
60♦	JANM38510/01004CFB	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	73n†Δ			341m		-55	125	1	F0243	FP117
61♦	JANM38510/01005BEB	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	73n†Δ			341m		-55	125	1	F0243	M323
62♦	JANM38510/01005BFB	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	73n†Δ			341m		-55	125	1	F0243	FP117
63♦	JANM38510/01005CEB	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	73n†Δ			341m		-55	125	1	F0243	M323
64♦	JANM38510/01005CFB	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	73n†Δ			341m		-55	125	1	F0243	FP117
65▼#	M53245P	2	4	TTL	MON	2.0%	.80†	4	10	0.0	5.0	50nΔ			215m†	1.0 Δ	0	75	1	F179	M153b
66▼#	M53345P	2	4	TTL	MON	2.0%	.80†	4	10	0.0	5.0	50nΔ			215m†	1.0 Δ	0	75	1	F179	M153b
67♦#	MIC5441AJ	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				140m†	400m	-55	125	1	F0229	M153a
68♦#	MIC5442J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25n†			140m†	400m	-55	125	1	F0233c	M153g
69♦#	MIC5445J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†			215m†	400m	-55	125	1	F0233c	M153a
70♦#	MIC6441AJ	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				140m†	400m	-40	85	1	F0229	M153a
71♦#	MIC6442J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25n†			140m†	400m	-40	85	1	F0233c	M153a
72♦#	MIC6445J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†			215m†	400m	-40	85	1	F0233c	M153a
73♦#	MIC7441AJ	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				140m†	400m	0	75	1	F0229	M153a
74♦#	MIC7441AN	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				140m†	400m	0	75	1	F0229	M117ab
75♦#	MIC7442J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25n†			140m†	400m	0	75	1	F0233c	M153g
76♦#	MIC7442N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25n†			140m†	400m	0	75	1	F0233c	M117ab
77♦#	MIC7445J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†			215m†	400m	0	75	1	F0233c	M153g
78♦#	MIC7445N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†			215m†	400m	0	75	1	F0233c	M117ab
79♦#	MIC54145J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†			215m†	400m	-55	125	1	F0233c	M153g
80♦#	MIC64141J	2	4Δ	TTL	MON	2.0%	.80*	4	10	0.0	5.0				221m†		-40	85	1	F0229	M153a
81♦#	MIC64145J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†			215m†	400m	-40	85	1	F0233c	M153a
82♦#	MIC74141J	2	4Δ	TTL	MON	2.0%	.80*	4	10	0.0	5.0				221m†		0	75	1	F0229	M153a
83♦#	MIC74141N	2	4Δ	TTL	MON	2.0%	.80*	4	10	0.0	5.0				221m†		0	75	1	F0229	M117
84♦#	MIC74145J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†			215m†	400m	0	75	1	F0233c	M153a
85♦#	MIC74145N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†			215m†	400m	0	75	1	F0233c	M117ab
86♦	N7441B	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				210m§	1.0 †	0	70	1	F0119a	M317
87♦	N7442B	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†Δ			280m§	1.0 †	0	70	1	F0243	M317
88♦	N7445B	2	4*	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n†Δ			350m§	1.0 †	0	70	1	F0243	M317
89♦	N8251E	2	4	TTL	MON	2.0	.80	4	10	0.0	5.0	35n†			135m		0	75	1	F0125a	M153a
90♦	N8251R	2	4	TTL	MON	2.0	.80	4	10	0.0	5.0	35n†			135m		0	75	1	F0125a	FP79a
91♦	N8252B	2	4	TTL	MON	2.0	.80	4	10	0.0	5.0	35n†Δ					0	75	1	F0125a	M256
92♦	N8252E	2	4	TTL	MON	2.0	.80	4	10	0.0	5.0	35n†					0	75	1	F0125a	M153a
93♦	N8252R	2	4	TTL	MON	2.0	.80	4	10	0.0	5.0	35n†					0	75	1	F0125a	FP79a

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE(3)LOGIC TYPE(4)LEVEL '1' (5)LEVEL '0' (6)TYPE No.

LINE No.	[6] TYPE No.	DECODES [1] FROM	DECODES [2] TO	[3] LOGIC TYPE	PRO-CESS	LOGIC LEVEL [4] '1' (V)	LOGIC LEVEL [5] '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRAN-SITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	N74141B	2	4*	TTL	MON	2.0%	.80*	4	10	0.0	5.0				80m§	1.0 †	0	70	1	F0257	M317
2♦	N74145B	2	4*	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			350m§	1.0 †	0	70	1	F0243	M317
3♦	NC7441AN	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0					1.0 △	0	70	1	F0229	TO116
4♦	NC7442N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	7.0	30n%			140mt	1.0 △	0	70	1	F0229a	TO116
5♦	S5442B	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			205m§	1.0 †	-55	125	1	F0243	M317
6▼	S5442F	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			205m§	1.0 †	-55	125	1	F0243	M200v
7▼	S5442W	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			205m§	1.0 †	-55	125	1	F0243	FP47g
8▼	S5445F	2	4*	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			310m§	1.0 †	-55	125	1	F0243	M200v
9▼	S5445W	2	4*	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			310m§	1.0 †	-55	125	1	F0243	FP47g
10♦	S8251E	2	4	TTL	MON	2.0	.80	4	10	0.0	5.0	35nt			135m		-55	125	1	F0125a	M153a
11♦	S8251R	2	4	TTL	MON	2.0	.80	4	10	0.0	5.0	35nt			135m		-55	125	1	F0125a	FP79a
12♦	S8252B	2	4	TTL	MON	2.0	.80	4	10	0.0	5.0	35nt△					-55	125	1	F0125a	M256
13♦	S8252E	2	4	TTL	MON	2.0	.80	4	10	0.0	5.0	35nt					-55	125	1	F0125a	M153a
14♦	S8252R	2	4	TTL	MON	2.0	.80	4	10	0.0	5.0	35nt					-55	125	1	F0125a	FP79a
15♦	S54145E	2	4	TTL	MON	2.0†	.80*	4		0.0	5.0	60nt△					-55	125	1	F0243	M153a
16▼	S54145F	2	4*	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			310m§	1.0 †	-55	125	1	F0243	M200v
17♦	S54145R	2	4	TTL	MON	2.0†	.80*	4		0.0	5.0	60nt△					-55	125	1	F0243	FP79a
18▼	S54145W	2	4*	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			310m§	1.0 †	-55	125	1	F0243	FP47g
19♦#	SFC442E	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n△			140mt		0	70	1	F0229a	M117
20♦#	SFC442EM	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n△			140mt		-55	125	1	F0229a	M117
21♦#	SFC442ET	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n△			140mt		-25	85	1	F0229a	M117
22♦#	SFC4141E	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				80mt		0	70	1	F0229	M117
23♦	SN54L42J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	70nt△			70mt	1.0 △	-55	125	1	F0243	M153d
24♦	SN54LS145J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			35mt		-55	125	1	F179	M153d
25♦	SN54LS145W	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			35mt		-55	125	1	F179	△004AG
26♦	SN74L42J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	70nt△			70mt	1.0 △	0	70	1	F0243	M153d
27♦	SN74L42N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	70nt△			70mt	1.0 △	0	70	1	F0243	M117x
28♦	SN74LS42J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt△			35mt	1.0 △	0	70	1	F0243	M153d
29♦	SN74LS42N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt△			35mt	1.0 △	0	70	1	F0243	M117x
30♦	SN74LS145J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			35mt		0	70	1	F179	M153d
31♦	SN74LS145N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			35mt		0	70	1	F179	M117x
32♦	SN5442AJ	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt△			140mt	1.0 △	-55	125	1	F0243	M153d
33♦	SN5442AW	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt△			140mt	1.0 △	-55	125	1	F0243	△004AG
34♦	SN5442N	2	4	TTL	MON	2.0%	.80*	4	100	0	7	30n%			140mt	1.0 △	-55	125	1	F0229a	M117
35♦	SN5445J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n△			215mt	1.0 △	-55	125	1	F179	M153d
36♦	SN5445N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n△			215mt	1.0 △	-55	125	1	F179	M117
37♦	SN5445W	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n△			215mt	1.0 △	-55	125	1	F179	△004AG
38♦#	SN6442N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	7.0					1.0	-40	85	1	F0229	M117
39♦	SN7442AJ	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt△			140mt	1.0 △	0	70	1	F0243	M153d
40♦	SN7442AN	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt△			140mt	1.0 △	0	70	1	F0243	M117x
41♦	SN7445J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n△			215mt	1.0 △	0	70	1	F179	M153d
42♦	SN7445N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n△			215mt	1.0 △	0	70	1	F179	M117x
43♦	SN29301J	2	4	TTL	MON	2.0%	.80*	4		0.0	5.0	30nt			145m%		0	75	1	F0280	M153d
44♦	SN29301N	2	4	TTL	MON	2.0%	.80*	4		0.0	5.0	30nt			145m%		0	75	1	F0280	M117x
45♦	SN39301J	2	4	TTL	MON	2.0%	.80*	4		0.0	5.0	30nt			145m%		-55	125	1	F0280	M153d
46♦	SN54145J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			215mt		-55	125	1	F179	M153d
47♦	SN54145W	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			215mt		-55	125	1	F179	△004AG
48♦	SN74141J	2	4	TTL	MON	2.0%	.80*	4		0.0	5.0				55mt		0	70	1	F0229	M153d
49♦	SN74141N	2	4	TTL	MON	2.0%	.80*	6	10	0.0	5.0				55mt		0	70	1	F0229	M117x
50♦	SN74145J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			215mt		0	70	1	F179	M153d
51♦	SN74145N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			215mt		0	70	1	F179	M117x
52♦	SW7441AJ	2	4△	TTL	MON	2.0%	.80*	4	10	0.0	5.0				221m		0	70	1	F0229	M200
53♦	SW7441AN	2	4△	TTL	MON	2.0%	.80*	4	10	0.0	5.0				221m		0	70	1	F0229	M117
54♦	SW7442N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.2	30n%			140m	1.0	0	70	1	F0229a	M117
55♦	SW7445J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n△			215mt	1.0 △	0	70	1	F179	M153
56♦	SW7445N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n△			215mt	1.0 △	0	70	1	F179	M117
57♦	SW74141J	2	4	TTL	MON	2.0%	.80*	4		0.0	5.0				55mt		0	70	1	F0229	M117
58♦	SW74141N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.2				84mt		0	70	1	F0258	M117
59♦	SW74145J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n△			215mt	1.0 △	0	70	1	F179	M153
60♦	SW74145N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n△			215mt	1.0 △	0	70	1	F179	M117
61♦#	T7441AB1	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				210m§	1.0 △	0	70	1	F0233a	M267
62♦#	T7441AD1	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				210m§		0	70	1	F0233a	M200m
63♦#	T7441AD2	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				210m§		-55	125	1	F0233a	M200m
64♦#	T7442B1	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30n△			140mt	1.0 △	0	70	1	F179	M267c
65♦#	T7442D1	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			140mt	1.0 △	0	70	1	F179	M200y
66♦#	T7442D2	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			140mt	1.0 △	-55	125	1	F179	M200y
67♦#	TL7442N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			294mt		0	70	1	F0229a	M117u
68♦#	TL7445N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			367mt		0	70	1	F0229a	M117u
69♦#	TL74141N	2	4	TTL	MON	2.0%	.80*	4		0.0	5.0				131mt		0	70	1	F0229	M117u
70♦#	TL74145N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50nt△			367mt		0	70	1	F0229a	M117u
71♦	US5441A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	7.0					1.0	-55	125	1	F0229	M117g
72♦	US5442A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n△			140mt	1.0 △	-55	125	1	F0229a	M117g
73♦	US5445A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n△			215mt	1.0 △	-55	125	1	F0229a	M117g
74♦	US7441A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				105mt		0	70	1	F0229	M117g
75♦	US7442A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n△			140mt	1.0 △	0	70	1	F0229a	M117g
76♦	US7445A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n△			215mt	1.0 △	0	70	1	F0229a	M117g
77♦	US54145A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n△			215mt	1.0 △	-55	125	1	F0229a	M117g
78♦	US74145A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n△			215mt	1.0 △	0	70	1	F0229a	M117g
79♦#	ZN5442E	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt△			140mt	1.0 △	-55	125	1	F0243	TO116
80♦#	ZN5442J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt△			140mt	1.0 △	-55	125	1	F0243	M257e
81♦#	ZN7442E	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt△			140mt	1.0 △	0	70	1	F0243	TO116
82♦#	ZN7442J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt△			140mt	1.0 △	0	70	1	F0243	M257e
83♦	MC5442L	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				140mt	1.0	-55	125	1	F0243	M191
84♦	MC7442L	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				140mt	1.0	0	70	1	F0243	M191
85♦	MC7442P	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				140mt	1.0	0	70	1	F0243	M278
86♦	MC8301F	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	22nt			125mt		0	75	1	F0246	FP85
87♦	MC8301L	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	22nt			125mt		0	75	1	F0246	M191
88♦	MC8301P	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	22nt			125mt		0	75	1	F0246	M278
89♦	MC8352L	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	10nt			140mt		0	75	1	F0243	M191
90♦	MC8352P	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	10nt			140mt		0	75	1	F0243	M278
91♦	MC9301F	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	22nt			125mt		-55	125	1	F0246	FP85
92♦	MC9301L	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	22nt			125mt		-55	125	1	F0246	M191
93♦	MC9352L	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	10nt			140mt		-55	125	1	F0243	M191
94♦	N8251B	2	4	TTL	MON	2.6%	.40†	4	8	0.0	5.0		5.0n	5.0n	135m		0	75	1	F0125a	M117h
95♦	S8251B	2	4	TTL	MON	2.6%	.40†	4	8	0.0	5.0		5.0n	5.0n	135m		-55	125	1	F0125a	M117h
96♦#	ZN7441AE	2	4	TTL	MON	3.5	.20		10	0.0	5.0				10m		0	70	1		M126
97▼#	FLL111T74145	2	4	TTL	MON	15ØØ	.80*	4	10	0.0	5.0	50nt△			350m§		0	70	1	F179	M117w
98▼#	FLL115T84145	2	4	TTL	MON	15ØØ	.80*	4	10	0.0	5.0	50nt△			350m§		-25	85	1	F179	M117w
99#	MIC9311-1D	2	18		MON	1.7%	.90*	4	16	0.0	5.0				175m		-55	125	1	F0232	
100	T219	2	18		PCB	1.7	.90	4	16	0.0	5.0	35n			350m	400m	0	70	2		CBØ
101#	MIC9311-5D	2	18		MON	1.8%	.85*	4	16	0.0	5.0				175m		0	75	1	F0232	
102♦	5310	2	18		PCB	2.0%	.80*			0.0	5.0				460m		0	70	1		M263
103♦	5900	2	18		MON	2.0%	.80*			0.0	5.0				460m		0	70	1		M264
104♦	5920-1	2	18		PCB	2.0%	.80*			0.0	5.0				460m		0	70	1		M262
105#	M54406P	2	18		MON	2.0%	.80*	7	12	0.0	5.0	100n△			265mt	1.0 △	0	75	1	F0260	M153b
106♦	T215	2	18		PCB	5.0	0.0	4	10	0.0	5.0	20n			675m%	1.0			3	F0229c	CBØ
107♦	MM54C48D	2	18	CMS	MOS	3.5%	1.5*	4	7	0.0	5.0				500m	450m△	-55	125	1	F0284	M346a
108♦	MM74C48N	2	18	CMS	MOS	3.5%	1.5*	4	7	0.0	5.0				500m	450m△	0	70	1	F0284	M345

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE(3)LOGIC TYPE(4)LEVEL '1' (5)LEVEL '0' (6)TYPE No.

LINE No.	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	3 LOGIC TYPE	PRO-CESS	LOGIC LEVEL 4 '1' (V)	LOGIC LEVEL 5 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRAN-SITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	MDD1	2	18	DTL	PCB	3.0%	.40*	8	8	0	5	25n%			230n	1.0	0	70	1	F0231	CB53
2▼	MDD1A	2	18	DTL	PCB	3.0%	.40*			0.0	5.0					1.0	0	70	1		CB53
3♦	SN10161AJ	2	18	ECT	MON	-.98%	-1.6*	5	8	5.2	0.0	4.0n%			119m†		0	85	1	F0288	M153d
4♦	SN10161AN	2	18	ECT	MON	-.98%	-1.6*	5	8	5.2	0.0	4.0n%			119m†		0	85	1	F0288	M117x
5♦	MC5445L	2	18	TTL	MON		.90†*	4	10	0.0	5.0	50n†Δ			215m†		-55	125	1	F0243	M191
6♦	MC7445L	2	18	TTL	MON		.90†*	4	10	0.0	5.0	50n†Δ			215m†		-55	125	1	F0243	M191
7♦	MC7445P	2	18	TTL	MON		.90*†	4	10	0.0	5.0	50n†Δ			215m†		0	75	1	F0243	M278
8♦	MC8345L	2	18	TTL	MON		.90*†	4	10	0.0	5.0	50n†Δ			215m†		0	75	1	F0243	M191
9♦	MC8345P	2	18	TTL	MON		.90*†	4	10	0.0	5.0	50n†Δ			215m†		0	75	1	F0243	M278
10♦	MC9345L	2	18	TTL	MON		.90*†	4	10	0.0	5.0	50n†Δ			215m†		-55	125	1	F0243	M191
11♦	MC54145L	2	18	TTL	MON		.90†*	4	10	0.0	5.0	50n†Δ			215m†		-55	125	1	F0243	M191
12♦	MC74145L	2	18	TTL	MON		.90†*	4	10	0.0	5.0	50n†Δ			215m†		0	75	1	F0243	M191
13♦	MC74145P	2	18	TTL	MON		.90*†	4	10	0.0	5.0	50n†Δ			215m†		0	75	1	F0243	M278
14♦	MC83145L	2	18	TTL	MON		.90*†	4	10	0.0	5.0	50n†Δ			215m†		0	57	1	F0243	M191
15♦	MC83145P	2	18	TTL	MON		.90*†	4	10	0.0	5.0	50n†Δ			215m†		0	75	1	F0243	M278
16♦	MC93145L	2	18	TTL	MON		.90*†	4	10	0.0	5.0	50n†Δ			215m†		-55	125	1	F0243	M191
17♦#	T151D2	2	18	TTL	MON	1.4%	.90*	4	10	0.0	5.0	35n†Δ			145m†		-55	125	1	F0233	M200m
18♦#	T151B1	2	18	TTL	MON	1.6%	.85*	4	10	0.0	5.0	35n†Δ			145m†		0	75	1	F0233	M267
19♦#	T151D1	2	18	TTL	MON	1.6%	.85*	4	10	0.0	5.0	35n†Δ			145m†		0	75	1	F0233	M200m
20♦	9311DM	2	18	TTL	MON	1.7%	.90*	6	16	0.0	5.0	31n†Δ			280m%	400m	-55	125	1	F0232	M246
21♦	9311FM	2	18	TTL	MON	1.7%	.90*	6	16	0.0	5.0	31n†Δ			280m%	400m	-55	125	1	F0232	FP105
22♦	9311DC	2	18	TTL	MON	1.8%	.85*	6	16	0.0	5.0	31n†Δ			280m%	400m	0	75	1	F0232	M246
23♦	9311FC	2	18	TTL	MON	1.8%	.85*	4	16	0.0	5.0	40nΔ			175m†	400m	0	75	1	F0232	FP56
24♦	MC8311F	2	18	TTL	MON	1.8%	.85*†	4	16	0.0	5.0	40nΔ			175m†		0	75	1	F0249	FP91
25♦	MC8311L	2	18	TTL	MON	1.8%	.85*	4	16	0.0	5.0	40nΔ			175m†		0	75	1	F0249	M191
26♦	MC8311P	2	18	TTL	MON	1.8%	.85*	4	16	0.0	5.0	40nΔ			175m†		0	75	1	F0249	M278
27♦	MC9311F	2	18	TTL	MON	1.8%	.85*†	4	16	0.0	5.0	40nΔ			175m†		-55	125	1	F0249	FP91
28♦	MC9311L	2	18	TTL	MON	1.8%	.85*	4	16	0.0	5.0	40nΔ			175m†		-55	125	1	F0249	M237
29♦	9301DC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†Δ			210m%	400m	0	75	1	F0233	M224c
30♦	9301DM	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†Δ			220m%	400m	-55	125	1	F0233	M224c
31♦	9301FC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†Δ			145m†	400m	0	75	1	F0233	FP47b
32♦	9301FM	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†Δ			220m%	400m	-55	125	1	F0233	FP79b
33♦	9301PC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n†Δ			210m%		0	75	1	F0233	M357
34♦	9302DC	2	18	TTL		2.0%	.80*	4	10	0.0	5.0				145m†		0	75	1	F0246	M200
35♦	9302DM	2	18	TTL		2.0%	.80*	4	10	0.0	5.0				145m†		-55	125	1	F0246	M200
36♦	9302FC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0				145m†		0	75	1	F0246	FP47b
37♦	9302FM	2	18	TTL		2.0%	.80*	4	10	0.0	5.0				145m†		-55	125	1	F0246	FP47b
38♦	9311PC	2	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	31n†Δ			280m%		0	75	1	F0232	M197a
39♦	9345DC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n†Δ			215m†		0	75	1	F179	M200
40♦	9345DM	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n†Δ			215m†		-55	125	1	F179	M200
41♦	9345FC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n†Δ			215m†		0	75	1	F179	FP47b
42♦	9345FM	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n†Δ			215m†		-55	125	1	F179	FP47b
43♦	93145DC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n†Δ			215m†		0	75	1	F179	M200
44♦	93145DM	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n†Δ			215m†		-55	125	1	F179	M200
45♦	93145FC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n†Δ			215m†		0	75	1	F179	FP47b
46♦	93145FM	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50n†Δ			215m†		-55	125	1	F179	FP47b
47♦	DM54154F	2	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	36n†Δ			280m%		-55	125	1	F0130	FP107a
48♦	DM54154J	2	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	36n†Δ			280m%		-55	125	1	F0130	M397
49♦	DM74154F	2	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	36n†Δ			280m%		0	70	1	F0130	FP107a
50♦	DM74154J	2	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	36n†Δ			280m%		0	70	1	F0130	M397
51♦	DM74154N	2	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	36n†Δ			280m%		0	70	1	F0130	M396
52♦#	MIC7446AN	2	18	TTL	MON	2.0%	.80*	7	8	0.0	5.0	100nΔ			265m†		0	75	1	F1710	M117ab
53♦#	MIC7446N	2	18	TTL	MON	2.0%	.80*	7	8	0.0	5.0	100nΔ			265m†		0	75	1	F1710	M117ab
54♦#	MIC7447AN	2	18	TTL	MON	2.0%	.80*	7	8	0.0	5.0	100nΔ			265m†		0	75	1	F1710	M117ab
55♦#	MIC7447N	2	18	TTL	MON	2.0%	.80*	7	8	0.0	5.0	100nΔ			265m†		0	75	1	F1710	M117ab
56♦#	MIC7448N	2	18	TTL	MON	2.0%	.80*	7	8	0.0	5.0	100nΔ			265m†		0	75	1	F1710a	M117ab
57♦#	SFC4154E	2	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	36nΔ			294m%		0	70	1	F0130	M197
58♦#	SFC4154EM	2	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	36nΔ			294m%		-55	125	1	F0130	M197
59♦#	SFC4154ET	2	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	36nΔ			294m%		-25	85	1	F0130	M197
60♦	SN54L154J	2	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	36n†			85m†		-55	125	1	F0130	Δ015AA
61♦	SN74L154J	2	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	36n†			85m†		0	70	1	F0130	Δ015AA
62♦	SN74L154N	2	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	36n†			85m†		0	70	1	F0130	M186
63♦	SN5446N	2	18	TTL	MON	2.0%	.80*	7	12	0.0	5.0	100nΔ			265m	1.0 Δ	-55	125	1	F1710	M117
64♦	SN5447N	2	18	TTL	MON	2.0%	.80*	7	12	0.0	5.0	100nΔ			265m	1.0 Δ	-55	125	1	F1710	M117
65♦	SN5448N	2	18	TTL	MON	2.0%	.80*	7	4	0.0	5.0	100nΔ			265m	1.0 Δ	-55	125	1	F1710a	M117
66♦	SN7447J	2	18	TTL	MON	2.0%	.80*	7	12	0.0	5.0	100nΔ			265m†	1.0 Δ	0	70	1	F1710	M153
67♦	SN7447N	2	18	TTL	MON	2.0%	.80*	7	12	0.0	5.0	100nΔ			265m†	1.0 Δ	0	70	1	F1710	M117
68♦	SN54154J	2	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	36n†			269m%		-55	125	1	F0130	Δ015AA
69♦	SN54154W	2	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	36n†			170m†		-55	125	1	F0130	Δ019AA
70♦	SN74154J	2	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	36n†			170m†		0	70	1	F0130	Δ015AA
71♦	SN74154N	2	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	36n†			170m†		0	70	1	F0130	M186
72♦	T54S138F	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12n†Δ			370m§		-55	125	1	F0277	FP101
73♦	T54S138J	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12n†Δ			370m§		-55	125	1	F0277	M352
74♦	T54S139F	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12n†Δ			450m§		-55	125	1	F0278	FP101
75♦	T54S139J	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12n†Δ			450m§		-55	125	1	F0278	M352
76♦	T74S138F	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12n†Δ			370m§		0	70	1	F0277	FP101
77♦	T74S138J	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12n†Δ			370m§		0	70	1	F0277	M352
78♦	T74S139F	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12n†Δ			450m§		0	70	1	F0278	FP101
79♦	T74S139J	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12n†Δ			450m§		0	70	1	F0278	M352
80♦#	TL74154N	2	18	TTL	MON	2.0%	.80*	6	15	0.0	5.0	36n†Δ			294m†		0	70	1	F0249	M186
81♦	MIC9301-1D	2	18	TTL		2.4%	.40*	4	10	0.0	5.0				145m†		-55	125	1	F0233	M153a
82♦	MIC9301-5D	2	18	TTL		2.4%	.45*	4	10	0.0	5.0				145m†		0	75	1	F0233	M153a
83	5557	2	20		PCB	2.0%	.80*	7	6	0.0	5.0	100n†Δ			900m†		0	70	3	F0260	CB62
84	5557A	2	20		PCB	2.0%	.80*	7	6	0.0	5.0	100n†Δ			900m†		0	70	3	F0260	CB62
85	5557B	2	20		PCB	2.0%	.80*	7	6	0.0	5.0	100n†Δ			900m†		0	70	3	F0261	CB62
86#	FLL121-7446	2	20		MON	2.0%	.80*	7	7	0.0	5.0	100n†Δ			515m§	1.0 Δ	0	70	1	F1710a	M117w
87	HD1J0140-2	2	20		MON	2.0%	.80*	6	7	0.0	5.0	150n†Δ			500m§		-55	125	1	F0268	M351
88	HD1J0140-5	2	20		MON	2.0%	.80*	6	7	0.0	5.0	150n†Δ			500m§		0	75	1	F0268	M351
89	HD1J0140A2	2	20		MON	2.0%	.80*	6	7	0.0	5.0	150n†Δ			500m§		-55	125	1	F0268	M351
90	HD1J0140A5	2	20		MON	2.0%	.80*	6	7	0.0	5.0	150n†Δ			500m§		0	75	1	F0268	M351
91#	M53247P	2	20		MON	2.0%	.80*	7	8	0.0	7.0	100nΔ			265m†	1.0 Δ	0	75	1	F1710	M153b
92#	M53248P	2	20		MON	2.0%	.80*	7	8	0.0	7.0	100nΔ			265m†	1.0 Δ	0	75	1	F1710a	M153b
93	S8T04W	2	20		MON	2.0	.80	4	7	0.0	5.0				394m§		-55	125	1	F0251a	FP47g
94♦	CD4511BE	2	20	CMS	MOS			4	7	0.0	15	290n†					-40	85	1	F0289	Δ001AC
95♦	CD2500E	2	20	CMS	MON	2.0%	.85*Δ	4	7	.50	5.5						0	75	1		Δ001AC
96♦	CD2501E	2	20	CMS	MON	2.0%	.85*Δ	4	7	.50	5.5						0	75	1		Δ001AC
97♦	CD2502E	2	20	CMS	MON	2.0%	.85*Δ	4	7	.50	5.5						0	75	1		Δ001AC
98♦	CD2503E	2	20	CMS	MON	2.0%	.85*Δ	4	7	.50	5.5						0	75	1		Δ001AC
99♦	MC14511AL	2	20	CMS	MOS	4.1%	.01*†	7	7	0.0	10		75n	1.0u	100u		-55	125	1	F0273	M191
100♦	MC14511CL	2	20	CMS	MOS	4.1%	.01*†	7	7	0.0	10		110n	1.0u	1.0m		-40	85	1	F0273	M191
101♦	MC14511CP	2	20	CMS	MOS	4.1%	.01*†	7	7	0.0	10		110n	1.0u	1.0m		-40	85	1	F0273	M278
102♦	CM4117AD	2	20*	CMS	MOS	5.0	0.0	3.5	22	0.0	7.0						-55	125	1	F0281	M☑
103♦	CM4117AE	2	20*	CMS	MOS	5.0	0.0	3.5	22	0.0	7.0						-40	85	1	F0281	M☑
104♦	CM4117AF	2	20*	CMS	MOS	5.0	0.0	3.5	22	0.0	7.0						-55	125	1	F0281	FP☑
105♦	HD1-54C48	2	20	CMS	MOS	8.0%	2.0*	4	7	0.0	10	500n†			500m	4.5 Δ	-55	125	1	F0284	M200q
106♦	HD1-74C48	2	20	CMS	MOS	8.0%	2.0*	4	7	0.0	10	500n†			500m	4.5 Δ	-40	85	1	F0284	M200q
107♦	HD9-54C48	2	20	CMS	MOS	8.0%	2.0*	4	7	0.0	10	500n†			500m	4.5 Δ	-55	125	1	F0284	FP103
108♦	HD9-74C48	2	20	CMS	MOS	8.0%	2.0*	4	7	0.0	10	500n†			500m	4.5 Δ	-40	85	1	F0284	FP103
109♦	MC14543AL	2	20	CMS	MOS	9.99%	.01*†	7	8	0.0	10		75n	75n	100u%		-55	125	1	F0276	M191
110♦	MC14543CL	2	20	CMS	MOS	9.99%	.01*†	7	8	0.0	10		110n	110n	1.0m%		-40	85	1	F0276	M191

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE(3)LOGIC TYPE(4)LEVEL '1' (5)LEVEL '0' (6)TYPE No.

LINE No.	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	3 LOGIC TYPE	PRO-CESS	LOGIC LEVEL 4 '1' (V)	LOGIC LEVEL 5 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRAN-SITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	MC14543CP	2	20	CMS	MOS	9.99%	.01*†	7	8	0.0	10		110n	110n	1.0m%		-40	85	1	F0276	M278
2♦	MC14558AL	2	20	CMS	MOS	9.99%	.01*†	6	7	0.0	10	500n	35n†	35n†	100u%	4.5 Δ	-55	125	1	F0286	M200w
3♦	MC14558CL	2	20	CMS	MOS	9.99%	.01*†	6	7	0.0	10	750n	35n†	35n†	1.0m%	4.5 Δ	-40	85	1	F0286	M200w
4♦	MC14558CP	2	20	CMS	MOS	9.99%	.01*†	6	7	0.0	10	750n	35n†	35n†	1.0m%	4.5 Δ	-40	85	1	F0286	M117y
5♦	SCL4511AC	2	20	CMS	MOS	9.99%	.01*†	7	7	0.0	10	1.0u%			100u%	4.5	-55	125	1	F0273	M475d
6♦	SCL4511AD	2	20	CMS	MOS	9.99%	.01*†	7	7	0.0	10	1.0u%			100u%	4.5	-55	125	1	F0273	M475e
7♦	SCL4511AE	2	20	CMS	MOS	9.99%	.01*†	7	7	0.0	10	1.0u%			100u%	4.5	-40	85	1	F0273	M475f
8♦	SCL4511AF	2	20	CMS	MOS	9.99%	.01*†	7	7	0.0	10	1.0u%			100u%	4.5	-55	125	1	F0273	FP111
9♦	SCL4511AH	2	20	CMS	MOS	9.99%	.01*†	7	7	0.0	10	1.0u%			100u%	4.5	-55	125	1	F0273	FC☑
10♦	CD4055AD	2	20*	CMS	MOS	10	0.0†	5	8	0.0	5.0	40n			200m	2.2 Δ	-55	125	1	F0270	Δ001AE
11♦	CD4055AE	2	20*	CMS	MOS	10	0.0†	5	8	0.0	5.0	40n			200m	2.2 Δ	-40	85	1	F0270	Δ001AC
12♦	CD4055AK	2	20*	CMS	MOS	10	0.0†	5	8	0.0	5.0	40n			200m	2.2 Δ	-55	125	1	F0270	Δ004AG
13♦	CD4056AD	2	20*	CMS	MOS	10	0.0†	6	8	0.0	5.0	40n			200m	2.2 Δ	-55	125	1	F0271	Δ001AE
14♦	CD4056AE	2	20*	CMS	MOS	10	0.0†	6	8	0.0	5.0	40n			200m	2.2 Δ	-40	85	1	F0271	Δ001AC
15♦	CD4056AK	2	20*	CMS	MOS	10	0.0†	6	8	0.0	5.0	40n			200m	2.2 Δ	-55	125	1	F0271	Δ004AG
16♦	383AJ	2	20	DTL	MON	6.5%	5.0%	7		0.0	15					3.2	-30	70	1	F0260	M319
17♦	383AL	2	20	DTL	MON	6.5%	5.0%	7		0.0	15					3.2	-30	70	1	F0260	M200j
18♦	383BL	2	20	DTL	MON	6.5%	5.0%	7		0.0	12					3.5	-55	125	1	F0260	M200j
19♦	383CJ	2	20	DTL	MON	6.5%	5.0%	7		0.0	12					3.5	-30	85	1	F0260	M319
20♦	383CL	2	20	DTL	MON	6.5%	5.0%	7		0.0	12					3.5	-30	85	1	F0260	M200j
21♦	383ML	2	20	DTL	MON	6.5%	5.0%	7		0.0	15					3.5	-55	125	1	F0260	M200j
22♦	MC8359F	2	20	TTL	MON		.40*†	5	6	0.0	5.0				165m†		0	75	1	F0248	TO86
23♦	MC9359F	2	20	TTL	MON		.40*†	5	6	0.0	5.0				165m†		-55	125	1	F0248	TO86
24♦	SN5449W	2	20	TTL	MON	2.0%	.60*	5	7	0.0	5.0	100nΔ			165m†	1.0 Δ	-55	125	1	F1712	Δ004AA
25♦	SN54LS47J	2	20	TTL	MON	2.0%	.70*	6	8	0.0	5.0	100nΔ			35m†	1.0 Δ	-55	125	1	F0260	M153d
26♦	SN54LS47W	2	20	TTL	MON	2.0%	.70*	6	8	0.0	5.0	100nΔ			35m†	1.0 Δ	-55	125	1	F0260	Δ004AG
27♦	SN54LS48J	2	20	TTL	MON	2.0%	.70*	6	8	0.0	5.0	100nΔ			125m†	1.0 Δ	-55	125	1	F1710	M153d
28♦	SN54LS48W	2	20	TTL	MON	2.0%	.70*	6	8	0.0	5.0	100nΔ			125m†	1.0 Δ	-55	125	1	F1710	Δ004AG
29♦	SN54LS49J	2	20	TTL	MON	2.0%	.70*	6	8	0.0	5.0	100nΔ			40m†	1.0 Δ	-55	125	1	F1712	M157b
30♦	SN54LS49W	2	20	TTL	MON	2.0%	.70*	6	8	0.0	5.0	100nΔ			40m†	1.0 Δ	-55	125	1	F1712	Δ004AA
31♦	SN54LS247J	2	20	TTL	MON	2.0%	.70*	6	8	0.0	5.0	100nΔ			35m†	300m	-55	125	1	F0285	M153d
32♦	SN54LS247W	2	20	TTL	MON	2.0%	.70*	6	8	0.0	5.0	100nΔ			35m†	300m	-55	125	1	F0285	Δ004AG
33♦	SN54LS248J	2	20	TTL	MON	2.0%	.70*	6	8	0.0	5.0	100nΔ			125m†	300m	-55	125	1	F1710	M153d
34♦	SN54LS248W	2	20	TTL	MON	2.0%	.70*	6	8	0.0	5.0	100nΔ			125m†	300m	-55	125	1	F1710	Δ004AG
35♦	SN54LS249J	2	20	TTL	MON	2.0%	.70*	6	8	0.0	5.0	100nΔ			40m†	300m	-55	125	1	F1710	M153d
36♦	SN54LS249W	2	20	TTL	MON	2.0%	.70*	6	8	0.0	5.0	100nΔ			40m†	300m	-55	125	1	F1710	Δ004AG
37♦	9357ADC	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			515m§		0	70	1	F1710a	M200
38♦	9357ADM	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			515m§		-55	125	1	F1710a	M200
39♦	9357AFC	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			515m§		0	70	1	F1710a	FP47b
40♦	9357AFM	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			515m§		-55	125	1	F1710a	FP47b
41♦	9357BDC	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			515m§		0	70	1	F1710a	M200
42♦	9357BDM	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			515m§		-55	125	1	F1710a	M200
43♦	9357BFC	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			515m§		0	70	1	F1710a	FP47b
44♦	9357BFM	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			515m§		-55	125	1	F1710a	FP47b
45♦	9358DC	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			450m§		0	70	1	F1710	M200
46♦	9358DM	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			450m§		-55	125	1	F1710	M200
47♦	9358FC	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			450m§		0	70	1	F1710	FP47b
48♦	9358FM	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			450m§		-55	125	1	F1710	FP47b
49♦	9359FC	2	20	TTL	MON	2.0%	.80*	5	7	0.0	5.0	100nt△			280m§		0	70	1	F1710	FP115
50♦	9359FM	2	20	TTL	MON	2.0%	.80*	5	7	0.0	5.0	100nt△			280m§		-55	125	1	F1710	FP115
51♦	DM5446AJ	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			425m		-55	125	1	F0280	M200k
52♦	DM5446AN	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			425m		-55	125	1	F0280	M345
53♦	DM5446AW	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			425m		-55	125	1	F0280	FP98
54♦	DM5447AJ	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			425m		-55	125	1	F0280	M200k
55♦	DM5447AN	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			425m		-55	125	1	F0280	M345
56♦	DM5447AW	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			425m		-55	125	1	F0280	FP98
57♦	DM5448J	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			380m		-55	125	1	F0284	M200k
58♦	DM5448N	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			380m		-55	125	1	F0284	M345
59♦	DM5448W	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			380m		-55	125	1	F0284	FP98
60♦	DM7446AJ	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			515m		0	70	1	F0280	M200k
61♦	DM7446AN	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			515m		0	70	1	F0280	M345
62♦	DM7446AW	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			515m		0	70	1	F0280	FP98
63♦	DM7447AJ	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			515m		0	70	1	F0280	M200k
64♦	DM7447AN	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			515m		0	70	1	F0280	M345
65♦	DM7447AW	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			515m		0	70	1	F0280	FP98
66♦	DM7448J	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			450m		0	70	1	F0284	M200k
67♦	DM7448N	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			450m		0	70	1	F0284	M345
68♦	DM7448W	2	20	TTL	MON	2.0%	.80*	6	7	0.0	5.0	100nt△			450m		0	70	1	F0284	FP98
69♦#	FLH551-7448	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100nt△			450m§	1.0 Δ	0	70	1	F1710	M117w
70♦#	FLH555-8448	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100nt△			450m§	1.0 Δ	-25	85	1	F1710	M117w
71♦	JANM38510/01006BEB	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0260	M323
72♦	JANM38510/01006BFB	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0260	FP89
73♦	JANM38510/01006CEB	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0260	M323
74♦	JANM38510/01006CFB	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0260	FP89
75♦	JANM38510/01007BEB	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0260	M323
76♦	JANM38510/01007BFB	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0260	FP89
77♦	JANM38510/01007CEB	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0260	M323
78♦	JANM38510/01007CFB	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0260	FP89
79♦	JANM38510/01008BEA	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0244	M323
80♦	JANM38510/01008BEB	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0244	M323
81♦	JANM38510/01008BFB	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0244	FP89
82♦	JANM38510/01008CEA	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0244	M323
83♦	JANM38510/01008CEB	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0244	M323
84♦	JANM38510/01008CFB	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0244	FP89
85♦	JANM38510/01009BDB	2	20	TTL	MON	2.0%	.80*	5	7	0.0	5.5	144nt△			467m		-55	125	1	F1712	FP116
86♦	JANM38510/01009CDB	2	20	TTL	MON	2.0%	.80*	5	7	0.0	5.5	144nt△			467m		-55	125	1	F1712	FP116
87♦#	MIC5446AJ	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			320m†	400m*	-55	125	1	F1710a	M153g
88♦#	MIC5446J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			265m†	400m*	-55	125	1	F1710a	M153g
89♦#	MIC5447AJ	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			320m†	400m*	-55	125	1	F1710a	M153g
90♦#	MIC5447J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			265m†	400m*	-55	125	1	F1710a	M153g
91♦#	MIC5448J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			265m†	400m*	-55	125	1	F1710	M153a
92♦#	MIC6446AJ	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			320m†	400m*	-40	85	1	F1710a	M153a
93♦#	MIC6446J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			265m†	400m*	-40	85	1	F1710a	M153a
94♦#	MIC6447AJ	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			320m†	400m*	-40	85	1	F1710a	M153a

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE(3)LOGIC TYPE(4)LEVEL '1' (5)LEVEL '0' (6)TYPE No.

LINE No.	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	3 LOGIC TYPE	PRO-CESS	LOGIC LEVEL 4 '1' (V)	LOGIC LEVEL 5 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRANSITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	#MIC6447J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			265mt	400m*	-40	85	1	F1710a	M153a
2♦	#MIC6448J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			265mt	400m*	-40	85	1	F1710	M153a
3♦	#MIC7446AJ	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			320mt	400m*	0	75	1	F1710a	M153g
4♦	#MIC7446J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			265mt	400m*	0	75	1	F1710a	M153g
5♦	#MIC7447AJ	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			320mt	400m*	0	75	1	F1710a	M153g
6♦	#MIC7447J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			265mt	400m*	0	75	1	F1710a	M153g
7♦	#MIC7448J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			265mt	400m*	0	75	1	F1710	M153g
8♦	N8T04B	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				446m§		0	75	1	F0251a	M317
9♦	N8T04F	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				446m§		0	75	1	F0251a	M200v
10♦	N8T04W	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				446m§		0	75	1	F0251a	FP47g
11♦	N8T05B	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				110m§		0	75	1	F0251	M317
12♦	N8T05F	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				110m§		0	75	1	F0251	M200v
13♦	N8T05W	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				110m§		0	75	1	F0251	FP47g
14♦	N8T06B	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				446m§		0	75	1	F0251a	M318
15♦	N8T06F	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				446m§		0	75	1	F0251a	M200v
16♦	N8T06W	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				446m§		0	75	1	F0251a	FP47g
17♦	N8T51B	2	20	TTL	MON	2.0%	.80*	6		0.0	5.0	400nt			315m§		0	75	1	F201	M317
18♦	N8T54B	2	20	TTL	MON	2.0%	.80*	6		0.0	5.0	400nt			315m§		0	75	1	F201	M317
19♦	N8T59F	2	20	TTL	MON	2.0%	.80*	6		0.0	5.0	400nt			315m§		0	75	1	F201	M200v
20♦	N8T71B	2	20	TTL	MON	2.0%	.80*	6		0.0	5.0	400nt			315m§		0	75	1	F201	M317
21♦	N8T74B	2	20	TTL	MON	2.0%	.80*	6		0.0	5.0	400nt			315m§		0	75	1	F201	M317
22♦	N8T75B	2	20	TTL	MON	2.0%	.80*	6		0.0	5.0	400nt			315m§		0	75	1	F201	M317
23♦	N8T79F	2	20	TTL	MON	2.0%	.80*	6		0.0	5.0	400nt			315m§		0	75	1	F201	M200v
24♦	N7446B	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			450m§	1.0 †	0	70	1	F0260	M317
25♦	N7447B	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			450m§	1.0 †	0	70	1	F0260	M317
26♦	N7448B	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100nt△			450m§	1.0 †	0	70	1	F0260	M317
27♦	S8T04B	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				394m§		-55	125	1	F0251a	M317
28♦	S8T04F	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				394m§		-55	125	1	F0251a	M200v
29♦	S8T05B	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				394m§		-55	125	1	F0251	M317
30♦	S8T05F	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				394m§		-55	125	1	F0251	M200v
31♦	S8T05W	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				394m§		-55	125	1	F0251	FP47g
32♦	S8T06B	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				394m§		-55	125	1	F0251a	M318
33♦	S8T06F	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				394m§		-55	125	1	F0251a	M200v
34♦	S8T06W	2	20	TTL	MON	2.0	.80	4	7	0.0	5.0				394m§		-55	125	1	F0251a	FP47g
35♦	SN54L46J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	200n△			160mt	1.0 △	-55	125	1	F0260	M153d
36♦	SN54L47J	2	20	TTL	MON	2.0%	.80*	6	12	0.0	5.0	200n△			133mt	1.0 △	-55	125	1	F0260	M153d
37♦	SN74L46J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	200n△			160mt	1.0 △	0	70	1	F0260	M153d
38♦	SN74L46N	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	200n△			160mt	1.0 △	0	70	1	F0260	M117x
39♦	SN74L47J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	200n△			160mt	1.0 △	0	70	1	F0260	M153d
40♦	SN74L47N	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	200n△			160mt	1.0 △	0	70	1	F0260	M117x
41♦	SN74LS47J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			35mt	1.0 △	0	70	1	F0260	M153d
42♦	SN74LS47N	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			35mt	1.0 △	0	70	1	F0260	M117x
43♦	SN74LS48J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			125mt	1.0 △	0	70	1	F1710	M153d
44♦	SN74LS48N	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			125mt	1.0 △	0	70	1	F1710	M117x
45♦	SN74LS49J	2	20	TTL	MON	2.0%	.80*	5	7	0.0	5.0	100n△			40mt	1.0 △	0	70	1	F1712	M157b
46♦	SN74LS49N	2	20	TTL	MON	2.0%	.80*	5	7	0.0	5.0	100n△			40mt	1.0 △	0	70	1	F1712	M126
47♦	SN74LS247J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			35mt	400m	0	70	1	F0285	M153d
48♦	SN74LS247N	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			35mt	400m	0	70	1	F0285	M117x
49♦	SN74LS248J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			125mt	400m	0	70	1	F1710	M153d
50♦	SN74LS248N	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			125mt	400m	0	70	1	F1710	M117x
51♦	SN74LS249J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			40mt	400m	0	70	1	F1710	M153d
52♦	SN74LS249N	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			40mt	400m	0	70	1	F1710	M117x
53♦	SN5446AJ	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	1.0 △	-55	125	1	F0260	M153d
54♦	SN5446AW	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	1.0 △	-55	125	1	F0260	△004AG
55♦	SN5447AJ	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	1.0 △	-55	125	1	F0260	M153d
56♦	SN5447AW	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	1.0 △	-55	125	1	F0260	△004AG
57♦	SN5448J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			265mt	1.0 △	-55	125	1	F1710	M153d
58♦	SN5448W	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			265mt	1.0 △	-55	125	1	F1710	△004AG
59♦	SN7446AJ	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	1.0 △	0	70	1	F0260	M153d
60♦	SN7446AN	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	1.0 △	0	70	1	F0260	M117x
61♦	SN7447AJ	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	1.0 △	0	70	1	F0260	M153d
62♦	SN7447AN	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	1.0 △	0	70	1	F0260	M117x
63♦	SN7448J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			265mt	1.0 △	0	70	1	F1710	M153d
64♦	SN7448N	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			265mt	1.0 △	0	70	1	F1710	M117x
65♦	SN54246J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	400m	-55	125	1	F0285	M153d
66♦	SN54246W	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	400m	-55	125	1	F0285	△004AG
67♦	SN54247J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	400m	-55	125	1	F0285	M153d
68♦	SN54247W	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	400m	-55	125	1	F0285	△004AG
69♦	SN54248J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			265mt	400m	-55	125	1	F1710	M153d
70♦	SN54248W	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			265mt	400m	-55	125	1	F1710	△004AG
71♦	SN54249J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			265mt	400m	-55	125	1	F1710	M153d
72♦	SN54249W	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			265mt	400m	-55	125	1	F1710	△004AG
73♦	SN5548OJ	2	20△	TTL	MON	2.0%	.80*	6	7	0.0	5.0	700n			600m		-55	125	1	F0287	M153d
74♦	SN74246J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	400m	0	70	1	F0285	M153d
75♦	SN74246N	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	400m	0	70	1	F0285	M117x
76♦	SN74247J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	400m	0	70	1	F0285	M153d
77♦	SN74247N	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			320mt	400m	0	70	1	F0285	M117x
78♦	SN74248J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			265mt	400m	0	70	1	F1710	M153d
79♦	SN74248N	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			265mt	400m	0	70	1	F1710	M117x
80♦	SN74249J	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			265mt	400m	0	70	1	F1710	M153d
81♦	SN74249N	2	20	TTL	MON	2.0%	.80*	6	8	0.0	5.0	100n△			265mt	400m	0	70	1	F1710	M117x
82♦	SN75480J	2	20△	TTL	MON	2.0%	.80*	6	7	0.0	5.0	700n			600m		0	70	1	F0287	M153d
83♦	SN75480N	2	20△	TTL	MON	2.0%	.80*	6	7	0.0	5.0	700n			600m		0	70	1	F0287	M117x
84♦	SW7446AJ	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100n△			265mt	1.0 △	0	70	1	F1710a	M153
85♦	SW7446AN	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100n△			265mt	1.0 △	0	70	1	F1710a	M117
86♦	SW7446J	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100n△			265mt	1.0 △	0	70	1	F1710a	M153
87♦	SW7446N	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100n△			265mt	1.0 △	0	70	1	F1710a	M117
88♦	SW7447AJ	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100n△			265mt	1.0 △	0	70	1	F1710a	M153
89♦	SW7447AN	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100n△			265mt	1.0 △	0	70	1	F1710a	M117
90♦	SW7447J	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100n△			265mt	1.0 △	0	70	1	F1710a	M153
91♦	SW7447N	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100n△			265mt	1.0 △	0	70	1	F1710a	M117
92♦	SW7448J	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100n△			265mt	1.0 △	0	70	1	F1710	M153
93♦	SW7448N	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100n△			265mt	1.0 △	0	70	1	F1710	M117
94♦	#TL7446AN	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100nt△			540mt		0	70	1	F1710a	M117u
95♦	#TL7447AN	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100nt△			540mt		0	70	1	F1710a	M117u
96♦	#TL7448N	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100nt△			472mt		0	70	1	F1710	M117u
97♦	US5446A	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100n△				1.0 △	-55	125	1	F1710	M117g
98♦	US5447A	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100n△				1.0 △	-55	125	1	F1710	M117g
99♦	US5448A	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100n△				1.0 △	-55	125	1	F1710a	M117g
100♦	US7446A	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100n△				1.0 △	0	70	1	F1710	M117g
101♦	US7447A	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100n△				1.0 △	0	70	1	F1710	M117g
102♦	US7448A	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100n△				1.0 △	0	70	1	F1710a	M117g
103♦	MC5446L	2	20†	TTL	MON	2.4%	.40*†	6	5	0.0	5.0				265mt		-55	125	1	F0244	M191
104♦	MC5447L	2	20†	TTL	MON	2.4%	.40*†	6	5	0.0	5.0				265mt		-55	125	1	F0244	M191
105♦	MC5448L	2	20	TTL	MON	2.4%	.40*†	7	5	0.0	5.0				265mt		-55	125	1	F0244	M191
106♦	MC5449F	2	20	TTL	MON	2.4%	.40*	5	6	0.0	5.0				165mt		-55	125	1	F0248	TO86
107♦	MC7446L	2	20†	TTL	MON	2.4%	.40*†	6	5	0.0	5.0				265mt		0	70	1	F0244	M191
108♦	MC7446P	2	20†	TTL	MON	2.4%	.40*†	6	7	0.0	5.0				265mt		0	70	1	F0244	M278
109♦	MC7447L	2	20†	TTL	MON	2.4%	.40*†	6	5	0.0	5.0				265mt		0	70	1	F0244	M191
110♦	MC7447P	2	20†	TTL	MON	2.4%	.40*†	6	7	0.0	5.0				265mt		0	70	1	F0244	M278

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE(3)LOGIC TYPE(4)LEVEL '1' (5)LEVEL '0' (6)TYPE No.

LINE No.	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	3 LOGIC TYPE	PRO-CESS	LOGIC LEVEL 4 '1' (V)	LOGIC LEVEL 5 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRAN-SITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	MC7448L	2	20	TTL	MON	2.4%	.40*†	7	5	0.0	5.0				265mt		0	70	1	F0244	M191
2♦	MC7448P	2	20	TTL	MON	2.4%	.40*†	7	7	0.0	5.0				265mt		0	70	1	F0244	TO116
3♦	MC7449F	2	20	TTL	MON	2.4%	.40*	5	6	0.0	5.0				165mt		0	70	1	F0248	TO86
4♦	MC8358L	2	20	TTL	MON	2.4%	.40*†	7	9	0.0	5.0				265mt		0	75	1	F0244	M191
5♦	MC8358P	2	20	TTL	MON	2.4%	.40*†	7	9	0.0	5.0				265mt		0	75	1	F0244	M278
6♦	MC9358L	2	20	TTL	MON	2.4%	.40*†	7	9	0.0	5.0				265mt		-55	125	1	F0244	M191
7♦	MC8307F	2	20	TTL	MON	4.3%	.40*†	7	7	0.0	5.0				165mt		0	75	1	F0269	FP85
8♦	MC8307L	2	20	TTL	MON	4.3%	.40*†	7	9	0.0	5.0				165mt		0	75	1	F0269	M191
9♦	MC8307P	2	20	TTL	MON	4.3%	.40*†	7	9	0.0	5.0				165mt		0	75	1	F0269	M278
10♦	MC9307F	2	20	TTL	MON	4.3%	.40*†	7	7	0.0	5.0				165mt		-55	125	1	F0269	FP85
11♦	MC9307L	2	20	TTL	MON	4.3%	.40*†	7	10	0.0	5.0				165mt		-55	125	1	F0269	M191
12♦#	FZL111	2	20	TTL	MON	7.5%	4.5*	7	7	0.0	12				480mŞ	5.0 Δ	0	70		F0295	M117aa
13▼#	FLL121T7447	2	20	TTL	MON	15ØØ	.80*	7	7	0.0	5.0	100nt			515mŞ	1.0 Δ	0	70	1	F1710a	M117w
14▼#	FLL121V7447A	2	20	TTL	MON	15ØØ	.80*	7	7	0.0	5.0	100nt			515mŞ	1.0 Δ	0	70	1	F1710a	M117w
15▼#	FLL125-8446	2	20	TTL	MON	15ØØ	.80*†	7	7	0.0	5.0	100nt			515mŞ	1.0 Δ	-25	85	1	F1710a	M117w
16▼#	FLL125T8447	2	20	TTL	MON	15ØØ	.80*	7	7	0.0	5.0	100nt			515mŞ	1.0 Δ	-25	85	1	F1710a	M117w
17▼#	FLL125V8447A	2	20	TTL	MON	15ØØ	.80*	7	7	0.0	5.0	100nt			515mŞ	1.0 Δ	-25	85	1	F1710a	M117w
18▼#	FLL121U7446A	2	20	TTL	MON	30ØØ	.80*	7	7	0.0	5.0	100nt			515mŞ	1.0 Δ	0	70	1	F1710a	M117w
19▼#	FLL125U8446A	2	20	TTL	MON	30ØØ	.80*	7	7	0.0	5.0	100nt			515mŞ	1.0 Δ	-25	85	1	F1710a	M117w
20#	DN822	4	2		MON					0.0	15				200mt	700mØ	0	75	1	C0324	M200m
21▼#	FLH661-74147	4	2	TTL	MON	2.0%	.80*	9	4	0.0	5.0	21nt			310mŞ		0	70	1	F042	M117w
22▼#	FLH661-74148	4	2	TTL	MON	2.0%	.80*	9	4	0.0	5.0	21nt			275mŞ		0	70	1	F042	M117w
23▼#	FLH665-84147	4	2	TTL	MON	2.0%	.80*	9	4	0.0	5.0	21nt			310mŞ		-25	85	1	F042	M117w
24▼#	FLH665-84148	4	2	TTL	MON	2.0%	.80*	9	4	0.0	5.0	21nt			275mŞ		-25	85	1	F042	M117w
25	5582	5	4		PCB	2.0%	.80*	4	10	0.0	5.0	35nt			420mt		0	70	3	F054	CB62
26#	M53243P	5	4		MON	2.0%	.80*	4	10	0.0	7.0	30n%			140mt	1.0 Δ	0	75	1	F052	M153b
27♦	9353DC	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt			280mŞ		0	70	1	F055	M200j
28♦	9353DM	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt			280mŞ		-55	125	1	F055	M200j
29♦	9353FC	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt			280mŞ		0	70	1	F055	FP47b
30♦	9353FM	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt			280mŞ		-55	125	1	F055	FP47b
31♦#	FLH361-7443	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt			280mŞ	1.0 Δ	0	70	1	F0229a	M117w
32♦#	FLH365-8443	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt			280mŞ	1.0 Δ	-25	85	1	F0229a	M117w
33♦#	FLH371-7444	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt			280mŞ	1.0 Δ	0	70	1	F0229a	M117w
34♦#	FLH375-8444	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt			280mŞ	1.0 Δ	-25	85	1	F0229a	M117w
35♦	JANM38510/01002BEA	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46nt			226m		-55	125	1	F053	M323
36♦	JANM38510/01002BEB	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46nt			226m		-55	125	1	F053	M323
37♦	JANM38510/01002BFB	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46nt			226m		-55	125	1	F053	FP117
38♦	JANM38510/01002CEA	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46nt			226m		-55	125	1	F053	M323
39♦	JANM38510/01002CEB	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46nt			226m		-55	125	1	F053	M323
40♦	JANM38510/01002CFB	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46nt			226m		-55	125	1	F053	FP117
41♦#	MIC5443J	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25nt			140mt	400m	-55	125	1	F0233c	M153a
42♦#	MIC6443J	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25nt			140mt	400m	-40	85	1	F0233c	M153a
43♦#	MIC7443J	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25nt			140mt	400m	0	75	1	F0233c	M153g
44♦#	MIC7443N	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25nt			140mt	400m	0	75	1	F0233c	M117ab
45♦	N7443B	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt			280mŞ	1.0 †	0	70	1	F053	M317
46♦	S5443B	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt			205mŞ	1.0 †	-55	125	1	F053	M317
47▼	S5443F	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt			205mŞ	1.0 †	-55	125	1	F053	M200v
48▼	S5443W	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt			205mŞ	1.0 †	-55	125	1	F053	FP47g
49♦	SN5443AJ	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt			140mt	1.0 Δ	-55	125	1	F052	M153d
50♦	SN5443AW	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt			140mt	1.0 Δ	-55	125	1	F052	Δ004AG
51♦	SN5443N	5	4	TTL	MON	2.0%	.80*	4	100	0	7	30n%			140mt	1.0 Δ	-55	125	1	F0229a	M117
52♦#	SN6443N	5	4	TTL	MON	2.0%	.80*	4	100	0.0	7.0	30n%			140mt	1.0 Δ	-40	85	1	F0229a	M117
53♦	SN7443AJ	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt			140mt	1.0 Δ	0	70	1	F052	M153d
54♦	SN7443AN	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt			140mt	1.0 Δ	0	70	1	F052	Δ004AG
55♦	SW7443J	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.2	30n%			140m	1.0	0	70	1	F0229a	M153b
56♦	SW7443N	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.2	30n%			140m	1.0	0	70	1	F0229a	M117
57♦#	T7443B1	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt			140mt	1.0 Δ	0	70	1	F0229a	M117
58♦#	T7443D1	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt			140mt	1.0 Δ	0	70	1	F053	M267c
59♦#	T7443D2	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt			140mt	1.0 Δ	-55	125	1	F053	M200y
60♦#	TL7443N	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt			294mt		0	70	1	F0229a	M117u
61♦	US5443A	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ				1.0 Δ	-55	125	1	F0229a	M117g
62♦	US5444A	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			140mt	1.0 Δ	-55	125	1	F0229a	M117g
63♦	US7443A	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ				1.0 Δ	0	70	1	F0229a	M117g
64♦	US7444A	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			140mt	1.0 Δ	0	70	1	F0229a	M117g
65♦	MC5443L	5	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				140mt	1.0	-55	125	1	F053	M191
66♦	MC7443L	5	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				140mt	1.0	0	70	1	F053	M191
67♦	MC7443P	5	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				140mt	1.0	0	70	1	F053	M278
68♦	MC8353L	5	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	10nt			140mt		0	75	1	F053	M191
69♦	MC8353P	5	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	10nt			140mt		0	75	1	F053	M278
70♦	MC9353L	5	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	10nt			140mt		-55	125	1	F053	M191
71#	M53244P	6	4		MON	2.0%	.80*	4	10	0.0	7.0	30n%			140mt	1.0 Δ	0	75	1	F0229a	M153b
72♦#	MIC5444J	6	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25nt			140mt	400m	-55	125	1	F0233c	M153g
73♦#	MIC6444J	6	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25nt			140mt	400m	-40	85	1	F0233c	M153a
74♦#	MIC7444J	6	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25nt			140mt	400m	0	75	1	F0233c	M153g
75♦#	MIC7444N	6	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25nt			140mt	400m	0	75	1	F0233c	M117ab
76♦	SN5444N	6	4	TTL	MON	2.0%	.80*	4	100	0	7	30n%			140mt	1.0 Δ	-55	125	1	F0229a	M117
77♦#	SN6444N	6	4	TTL	MON	2.0%	.80*	4	100	0.0	7.0	30n%			140mt	1.0 Δ	-40	85	1	F0229a	M117
78♦	B155	7	8		PCB	0.0	-3.0	7	4	15	10		70n	50n	800m	800m	-20	65	1	F073	CB31
79♦	9960DC	17	4	TTL	MON	1.0%	.40*	4	10t	0.0	6.0				45m		0	75	1	F176	M117c
80♦	T223	17	18		PCB	1.7	.90	4	8	0.0	5.0	20n			450m	400m	0	70	6		CBØ
81♦	93L01FC	17	18	TTL	MON	1.8%	.75*	4	10	0.0	5.0	65nΔ			50mt	400m	0	75	1	F0233	FP47b
82♦	93L11FC	17	18	TTL	MON	1.8%	.75*	4	16	0.0	5.0	70n			44mt	400m	0	75	1	F0232	FP66
83♦	9321FC	17	18	TTL	MON	1.8%	.85*	4	8	0.0	5.0	20n			150mt	400m	0	75	2	F1714	FP47b
84♦	9307DM	17	18	TTL	MON	1.9%	1.1*	6	8	0.0	7.0						-55	125	1	F175	M117b
85♦	9307FM	17	18	TTL	MON	1.9%	1.1*	6	8	0.0	5.0	500nt					-55	125	1	F175	FP47b
86♦	9307DC	17	18	TTL	MON	2.0%	.85*	6	7	0.0	7.0						0	75	1	F175	M117b
87♦	9307FC	17	18	TTL	MON	2.0%	.85*	6	7	0.0	5.0	500nt					0	75	1	F175	FP47b
88	I422	17	20		PCB	1.9	1.1	6	8	0.0	5.0						-55	95	3		CBØ
89♦	9317BDC	17	20	TTL	MON	1.9%	1.1*	6	8	0.0	5.0						-55	125	1		M148a
90♦	9317BDM	17	20	TTL	MON	1.9%	1.1*	6	8	0.0	5.0						-55	125	1		FP47b
91♦	9317BFM	17	20	TTL	MON	1.9%	1.1*	6	8	0.0	5.0	500nt			400m		-55	125	1	F1717	FP47b
92♦	9317CFM	17	20	TTL	MON	1.9%	1.1*	6	8	0.0	5.0	500nt			240m		0	75	1	F1717	FP47b
93♦	9317BFC	17	20	TTL	MON	2.0%	.85*	6	8	0.0	5.0	500nt			400m		-55	125	1	F1717	FP47b
94♦	9317CDC	17	20	TTL	MON	2.0%	.85*	6	8	0.0	5.0						0	75	1		M148a
95♦	9317CDM	17	20	TTL	MON	2.0%	.85*	6	8	0.0	5.0						0	75	1		FP47b
96♦	9317CFC	17	20	TTL	MON	2.0%	.85*	6	8	0.0	5.0	500nt			240m		0	75	1	F1717	FP47b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE(3)LOGIC TYPE(4)LEVEL '1' (5)LEVEL '0' (6)TYPE No.

LINE No.	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	3 LOGIC TYPE	PRO-CESS	LOGIC LEVEL 4 '1' (V)	LOGIC LEVEL 5 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRAN-SITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	SN54148J	18	8	TTL	MON	2.0%	.80*	9		0.0	5.0	10n			190mt		-55	125	1	F181	M153d
2♦	SN54148W	18	8	TTL	MON	2.0%	.80*	9		0.0	5.0	10n			190mt		-55	125	1	F181	Δ004AG
3♦	SN74148J	18	8	TTL	MON	2.0%	.80*	9		0.0	5.0	10n			190mt		0	70	1	F181	M153d
4♦	SN74148N	18	8	TTL	MON	2.0%	.80*	9		0.0	5.0	10n			190mt		0	70	1	F181	M117x
5▼	AM25LS139DM	19	18	TTL	MON	2.0%	.70*			0.0	5.0	21n%Δ			55m		-55	125			M356
6▼	AM25LS139FM	19	18	TTL	MON	2.0%	.70*			0.0	5.0	21n%Δ			55m		-55	125			FP79b
7♦	SN54LS139J	19	18	TTL	MON	2.0%	.70*	3		0.0	5.0	22n			34mt		-55	125	2	F191	M153d
8♦	SN54LS139W	19	18	TTL	MON	2.0%	.70*	3		0.0	5.0	22n			34mt		-55	125	2	F191	Δ004AG
9▼	93S21DC	19	18	TTL	MON	2.0%	.80*			0.0	5.0	12n%Δ			450m		0	70	2	F191	M356
10▼	93S21DM	19	18	TTL	MON	2.0%	.80*			0.0	5.0	12n%Δ			450m		-55	125	2	F191	M356
11▼	93S21FM	19	18	TTL	MON	2.0%	.80*			0.0	5.0	12n%Δ			450m		-55	125	2	F191	FP79b
12▼	93S21PC	19	18	TTL	MON	2.0%	.80*			0.0	5.0	12n%Δ			450m		0	70	2	F191	M357
13▼	AM25LS139DC	19	18	TTL	MON	2.0%	.80*			0.0	5.0	21n%Δ			55m		0	70			M356
14▼	AM25LS139PC	19	18	TTL	MON	2.0%	.80*			0.0	5.0	21n%Δ			55m		0	70			M357
15♦	N74LS139B	19	18	TTL	MON	2.0%	.80*	7	20	0.0	5.0	25n			55mt		0	70	1	F191	M317
16♦	N74LS139F	19	18	TTL	MON	2.0%	.80*	7	20	0.0	5.0	25n			55mt		0	70	1	F191	M200v
17▼	N74S139B	19	18	TTL	MON	2.0%	.80*	3	4	0.0	5.0	12nt△			450m§	1.0 †	0	70	2	F191	M317
18▼	N74S139F	19	18	TTL	MON	2.0%	.80*	3	4	0.0	5.0	12nt△			450m§	1.0 †	0	70	2	F191	M200v
19▼	N74S139W	19	18	TTL	MON	2.0%	.80*	3	4	0.0	5.0	12nt△			450m§	1.0 †	0	70	2	F191	FP47g
20♦	S54LS139B	19	18	TTL	MON	2.0%	.80*	7	20	0.0	5.0	25n			55mt		-55	125	2	F191	M317
21♦	S54LS139F	19	18	TTL	MON	2.0%	.80*	7	20	0.0	5.0	25n			55mt		-55	125	2	F191	M200v
22♦	S54LS139W	19	18	TTL	MON	2.0%	.80*	7	20	0.0	5.0	25n			55mt		-55	125	2	F191	FP47g
23▼	S54S139B	19	18	TTL	MON	2.0%	.80*	3	4	0.0	5.0	12nt△			370m§	1.0 †	-55	125	2	F191	M317
24▼	S54S139F	19	18	TTL	MON	2.0%	.80*	3	4	0.0	5.0	12nt△			370m§	1.0 †	-55	125	2	F191	M200v
25▼	S54S139W	19	18	TTL	MON	2.0%	.80*	3	4	0.0	5.0	12nt△			370m§	1.0 †	-55	125	2	F191	FP47g
26♦	SN54S139J	19	18	TTL	MON	2.0%	.80*	3		0.0	5.0	7.5n			300mt		0	70	2	F191	M153d
27♦	SN54S139W	19	18	TTL	MON	2.0%	.80*	3		0.0	5.0	7.5n			300mt		0	70	2	F191	Δ004AG
28♦	SN74LS139J	19	18	TTL	MON	2.0%	.80*	3		0.0	5.0	22n			34mt		0	70	2	F191	M153d
29♦	SN74LS139N	19	18	TTL	MON	2.0%	.80*	3		0.0	5.0	22n			34mt		0	70	2	F191	M117x
30♦	SN74S139J	19	18	TTL	MON	2.0%	.80*	3		0.0	5.0	7.5n			300mt		0	70	2	F191	M153d
31♦	SN74S139N	19	18	TTL	MON	2.0%	.80*	3		0.0	5.0	7.5n			300mt		0	70	2	F191	M117x
32	5581	21	4		PCB	2.0%	.80*	4	10	0.0	5.0	35nt△			420mt		0	70	3	F212	CB62
33♦	9354DC	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			280m§		0	70	1	F213	M200j
34♦	9354DM	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			280m§		-55	125	1	F213	M200j
35♦	9354FC	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			280m§		0	70	1	F213	FP47b
36♦	9354FM	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			280m§		-55	125	1	F213	FP47b
37♦	JANM38510/01003BEA	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46nt△			226m		-55	125	1	F211	M323
38♦	JANM38510/01003BEB	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46nt△			226m		-55	125	1	F211	M323
39♦	JANM38510/01003BFB	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46nt△			226m		-55	125	1	F211	FP117
40♦	JANM38510/01003CEA	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46nt△			226m		-55	125	1	F211	M323
41♦	JANM38510/01003CEB	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46nt△			226m		-55	125	1	F211	M323
42♦	JANM38510/01003CFB	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.5	46nt△			226m		-55	125	1	F211	FP117
43♦	N7444B	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			280m§	1.0 †	0	70	1	F211	M317
44▼	N7444F	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			280m§	1.0 †	0	70	1	F211	M200v
45♦	S5444B	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			205m§	1.0 †	-55	125	1	F211	M317
46▼	S5444W	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			205m§	1.0 †	-55	125	1	F211	FP47g
47♦	SN5444AJ	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt△			140mt	1.0 △	-55	125	1	F211	M153d
48♦	SN5444AW	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt△			140mt	1.0 △	-55	125	1	F211	Δ004AG
49♦	SN7444AJ	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt△			140mt	1.0 △	0	70	1	F211	M153d
50♦	SN7444AN	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nt△			140mt	1.0 △	0	70	1	F211	M117x
51♦	SW7444J	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n△			140mt		0	70		F0229a	M153
52♦	SW7444N	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35n△			140mt		0	70	1	F0229a	M153
53♦#	T7444B1	21	4	TTL	MON	2.0%	.80	4	10	0.0	5.0	35nt△			140mt	1.0 △	0	70	1	F211	M200y
54♦#	T7444D1	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			140mt	1.0 △	0	70	1	F211	
55♦#	T7444D2	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			140mt	1.0 △	-55	125	1	F211	M200y
56♦#	TL7444N	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nt△			294mt		0	70	1	F0229a	M117u
57♦	MC5444L	21	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				140mt	1.0	-55	125	1	F211	M191
58♦	MC7444L	21	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				140mt	1.0	0	75	1	F211	M191
59♦	MC7444P	21	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				140mt	1.0	0	70	1	F211	M278
60♦	MC8354L	21	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	10nt			140mt		0	75	1	F211	M191
61♦	MC8354P	21	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	10nt			140mt		0	75	1	F211	M278
62♦	MC9354L	21	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	10nt			140mt		-55	125	1	F211	M191
63▼	AM25LS138DM	23	18	TTL	MON	2.0%	.70*			0.0	5.0	27n%Δ			50m		-55	125			M356
64▼	AM25LS138FM	23	18	TTL	MON	2.0%	.70*			0.0	5.0	27n%Δ			50m		-55	125			FP79b
65♦	SN54LS138J	23	18	TTL	MON	2.0%	.70*	5		0.0	5.0	22n			32mt		-55	125	1	F231	M153d
66♦	SN54LS138W	23	18	TTL	MON	2.0%	.70*	5		0.0	5.0	22n			32mt		-55	125	1	F231	Δ004AG
67▼	AM25LS138DC	23	18	TTL	MON	2.0%	.80*			0.0	5.0	27n%Δ			50m		0	70			M356
68▼	AM25LS138PC	23	18	TTL	MON	2.0%	.80*			0.0	5.0	27n%Δ			50m		0	70			M357
69♦	N74LS138B	23	18	TTL	MON	2.0%	.80*	6	20	0.0	5.0	26n			50mt		0	70	1	F231	M317
70♦	N74LS138F	23	18	TTL	MON	2.0%	.80*	6	20	0.0	5.0	26n			50mt		0	70	1	F231	M200v
71▼	N74S138B	23	18	TTL	MON	2.0%	.80*	6	7	0.0	5.0	12nt△			450m§	1.0 †	0	70	1	F231	M317
72▼	N74S138F	23	18	TTL	MON	2.0%	.80*	6	7	0.0	5.0	12nt△			450m§	1.0 †	0	70	1	F231	M200v
73▼	N74S138W	23	18	TTL	MON	2.0%	.80*	6	7	0.0	5.0	12nt△			450m§	1.0 †	0	70	1	F231	FP47g
74♦	S54LS138B	23	18	TTL	MON	2.0%	.80*	6	20	0.0	5.0	26n			50mt		-55	125	2	F231	M317
75♦	S54LS138F	23	18	TTL	MON	2.0%	.80*	6	20	0.0	5.0	26n			50mt		-55	125	2	F231	M200v
76♦	S54LS138W	23	18	TTL	MON	2.0%	.80*	6	20	0.0	5.0	26n			50mt		-55	125	2	F231	FP47g
77▼	S54S138B	23	18	TTL	MON	2.0%	.80*	6	7	0.0	5.0	12nt△			370m§	1.0 †	-55	125	1	F231	M317
78▼	S54S138F	23	18	TTL	MON	2.0%	.80*	6	7	0.0	5.0	12nt△			370m§	1.0 †	-55	125	1	F231	M200v
79▼	S54S138W	23	18	TTL	MON	2.0%	.80*	6	7	0.0	5.0	12nt△			370m§	1.0 †	-55	125	1	F231	FP47g
80♦	SN54S138J	23	18	TTL	MON	2.0%	.80*	3		0.0	5.0	8.0n			245mt		-55	125	1	F231	M153d
81♦	SN54S138W	23	18	TTL	MON	2.0%	.80*	3		0.0	5.0	8.0n			245mt		-55	125	1	F231	Δ004AG
82♦	SN74LS138J	23	18	TTL	MON	2.0%	.80*	5		0.0	5.0	22n			32mt		0	70	1	F231	M153d
83♦	SN74LS138N	23	18	TTL	MON	2.0%	.80*	5		0.0	5.0	22n			32mt		0	70	1	F231	M117x
84♦	SN74S138J	23	18	TTL	MON	2.0%	.80*	3		0.0	5.0	8.0n			245mt		-55	125	1	F231	M153d
85♦	SN74S138N	23	18	TTL	MON	2.0%	.80*	3		0.0	5.0	8.0n			245mt		-55	125	1	F231	M117x

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MTG4		3.0M	PCB	2.0%	.95*	DTL	1	27	0	5	100n			1.0	1.0	0	70	16		CB37c
2	MTG20		3.0M	PCB	2.0%	.95*	TTL	1	10	0	5	20n			200m	1.0	0	70	16		CB37c
3▼	TMAG8	1	20M	PCB	3.3	.22		4	10	0.0	5.0	26n			160m	1.0	0	70	8		CB53
4	MM54C08D	1		MOS	3.5%	1.5*	CMS	2	2	0.0	5.0	80n			500m	450mΔ	-55	125	4	G01266	M297a
5	MM74C08N	1		MOS	3.5%	1.5*	CMS	2	2	0.0	5.0	80n			500m	450mΔ	0	70	4	G01266	M344
6	HD1-54C08	1		MOS	8.0%	2.0*	CMS	2		0.0	10	70nΔ	20n	20nt	10n%	4.5 Δ	-55	125	4	G01249	M126v
7	HD1-74C08	1		MOS	8.0%	2.0*	CMS	2		0.0	10	70nΔ	20n	20nt	10n%	4.5 Δ	-40	85	4	G01249	M126v
8	HD9-54C08	1		MOS	8.0%	2.0*	CMS	2		0.0	10	70nΔ	20n	20nt	10n%	4.5 Δ	-55	125	4	G01249	TO86
9	HD9-74C08	1		MOS	8.0%	2.0*	CMS	2		0.0	10	70nΔ	20n	20nt	10n%	4.5 Δ	-40	85	4	G01249	TO86
10	CD4073BH	1		MOS	9.99%	.01*†	CMS	3		0.0	10	200nΔ			200m§	4.5 Δ	-55	125	3	G01262	FC⍁
11	CD4081BH	1		MOS	9.99%	.01*†	CMS	2		0.0	10	170nΔ			200m§	4.5 Δ	-55	125	4	G01260	FC⍁
12	CD4082BH	1		MOS	9.99%	.01*†	CMS	4		0.0	10	170nΔ			200m§	4.5 Δ	-55	125	2	G01261	FC⍁
13	MC14081AL	1		MOS	9.99%	.01*†	CMS	2	50	0.0	10	90nΔ	75n	75n	1.0u%		-55	125	4	G01248	TO116
14	MC14081CL,P%	1		MOS	9.99%	.01*†	CMS	2	50	0.0	10	135nΔ	110n	110n	10u%		-40	85	4	G01248	TO116
15	MC14571AL	1		MOS	9.99%	.01*†	CMS	2	50	0.0	10	45n%	75n	75n	1.0u%		-55	125	4	G01248	TO116
16	MC14571CL,P%	1		MOS	9.99%	.01*†	CMS	2	50	0.0	10	45n%	110n	110n	10u%		-40	85	4	G01248	TO116
17	SCL4073AC	1		MOS	9.99%	.01*†	CMS	3		0.0	10	75nΔ			1.0u%	4.5	-55	125	3	G01262	M475a
18	SCL4073AD	1		MOS	9.99%	.01*†	CMS	3		0.0	10	75nΔ			1.0u%	4.5	-55	125	3	G01262	M475b
19	SCL4073AE	1		MOS	9.99%	.01*†	CMS	3		0.0	10	75nΔ			1.0u%	4.5	-40	85	3	G01262	M475c
20	SCL4073AF	1		MOS	9.99%	.01*†	CMS	3		0.0	10	75nΔ			1.0u%	4.5	-55	125	3	G01262	FP110
21	SCL4073AH	1		MOS	9.99%	.01*†	CMS	3		0.0	10	75nΔ			1.0u%	4.5	-55	125	3	G01262	FC⍁
22	SCL4081AC	1		MOS	9.99%	.01*†	CMS	2		0.0	10	75nΔ			1.0u%	4.5	-55	125	4	G01260	M475a
23	SCL4081AD	1		MOS	9.99%	.01*†	CMS	2		0.0	10	75nΔ			1.0u%	4.5	-55	125	4	G01260	M475b
24	SCL4081AE	1		MOS	9.99%	.01*†	CMS	2		0.0	10	75nΔ			1.0u%	4.5	-40	85	4	G01260	M475c
25	SCL4081AF	1		MOS	9.99%	.01*†	CMS	2		0.0	10	75nΔ			1.0u%	4.5	-55	125	4	G01260	FP110
26	SCL4081AH	1		MOS	9.99%	.01*†	CMS	2		0.0	10	75nΔ			1.0u%	4.5	-55	125	4	G01260	FC⍁
27	SCL4082AC	1		MOS	9.99%	.01*†	CMS	4		0.0	10	75nΔ			1.0u%	4.5	-55	125	2	G01261	M475a
28	SCL4082AD	1		MOS	9.99%	.01*†	CMS	4		0.0	10	75nΔ			1.0u%	4.5	-55	125	2	G01261	M475b
29	SCL4082AE	1		MOS	9.99%	.01*†	CMS	4		0.0	10	75nΔ			1.0u%	4.5	-40	85	2	G01261	M475c
30	SCL4082AF	1		MOS	9.99%	.01*†	CMS	4		0.0	10	75nΔ			1.0u%	4.5	-55	125	2	G01261	FP110
31	SCL4082AH	1		MOS	9.99%	.01*†	CMS	4		0.0	10	75nΔ			1.0u%	4.5	-55	125	2	G01261	FC⍁
32	CD4073BD	1		MOS	10	0.0	CMS	3	3	0.0	10	170nΔ			200m	4.5 Δ	-55	125	3	G01262	Δ001AD
33	CD4073BE	1		MOS	10	0.0	CMS	3	3	0.0	10	170nΔ			200m	4.5 Δ	-40	85	3	G01262	Δ001AB
34	CD4073BF	1		MOS	10	0.0	CMS	3	3	0.0	10	170nΔ			200m	4.5 Δ	-55	125	3	G01262	Δ001AB
35	CD4073BK	1		MOS	10	0.0	CMS	3	3	0.0	10	170nΔ			200m	4.5 Δ	-55	125	3	G01262	Δ004AF
36	CD4081BD	1		MOS	10	0.0	CMS	2	4	0.0	10	170nΔ			200m	4.5 Δ	-55	125	4	G01260	Δ001AD
37	CD4081BE	1		MOS	10	0.0	CMS	2	4	0.0	10	170nΔ			200m	4.5 Δ	-40	85	4	G01260	Δ001AB
38	CD4081BF	1		MOS	10	0.0	CMS	2	4	0.0	10	170nΔ			200m	4.5 Δ	-55	125	4	G01260	Δ001AB
39	CD4081BK	1		MOS	10	0.0	CMS	2	4	0.0	10	170nΔ			200m	4.5 Δ	-55	125	4	G01260	Δ004AF
40	CD4082BD	1		MOS	10	0.0	CMS	4	2	0.0	10	170nΔ			200m	4.5 Δ	-55	125	2	G01261	Δ001AD
41	CD4082BE	1		MOS	10	0.0	CMS	4	2	0.0	10	170nΔ			200m	4.5 Δ	-40	85	2	G01261	Δ001AB
42	CD4082BF	1		MOS	10	0.0	CMS	4	2	0.0	10	170nΔ			200m	4.5 Δ	-55	125	2	G01261	Δ001AB
43	CD4082BK	1		MOS	10	0.0	CMS	4	2	0.0	10	170nΔ			200m	4.5 Δ	-55	125	2	G01261	Δ004AF
44	RG3182P	1		MON			DTL	4		0.0	5	1.0n				1.1	0	75	2		M105k
45	RG3390D	1		MON			DTL	5	11	0.0	5					1.1	-55	125	2		M105m
46	RG3390K	1		MON			DTL	5	11	0.0	5					1.1	-55	125	2		FP28
47	RG3392D	1		MON			DTL	5	9	0.0	5					1.1	0	75	2		M105m
48	RG3392K	1		MON			DTL	5	9	0.0	5					1.1	0	75	2		FP28
49	RG3400D	1		MON			DTL	2	11	0.0	5					1.1	-55	125	4		M105m
50	RG3400K	1		MON			DTL	2	11	0.0	5					1.1	-55	125	4		FP28
51	RG3402D	1		MON			DTL	2	9	0.0	5					1.1	0	75	4		M105m
52	RG3402K	1		MON			DTL	2	9	0.0	5					1.1	0	75	4		FP28
53	SP305A	1		MON			DTL	6	1	0.0	5.5	35n			5.0mΔ	1.0 Δ	15	55	1		M105
54	SP306A	1		MON			DTL	3	1	0.0	5.5	35n			5.0mΔ	1.0 Δ	15	55	2		M105
55	SW1806M	1		MON	1.9%	1.2*	DTL	2	8†	0.0	8.0	30n			80mt	1.0	0	75	4	G01210	M105n
56	SW1806P	1		MON	1.9%	1.2*	DTL	2	8†	0.0	8.0	30n			80mt	1.0	0	75	4	G01210	M114
57	502AΔ	1	5.0M	PCB	2.0%	.45*	DTL	2	8	0.0	7.0	35n%	2.0nt	2.5nt	216mt		0	70	12		CB62
58	MC1906F	1		MON	2.6%	.40*†	DTL	2	8	0.0	5.0	30n	10n	10n			-55	125	4	G01210	TO86
59	MC1906L	1		MON	2.6%	.40*†	DTL	2	8	0.0	5.0	30n	10n	10n			-55	125	4	G01210	TO116
60	MC1907F	1		MON	2.6%	.40*†	DTL	2	7	0.0	5.0	35n	10n	10n			-55	125	4	G01210	TO86
61	MC1907L	1		MON	2.6%	.40*†	DTL	2	7	0.0	5.0	35n	10n	10n			-55	125	4	G01210	TO116
62	MC1806F	1		MON	2.6%	.45*†	DTL	2	8	0.0	5.0	30n	10n	10n			0	75	4	G01210	TO86
63	MC1806L,P%	1		MON	2.6%	.45*†	DTL	2	8	0.0	5.0	30n	10n	10n			0	75	4	G01210	TO116
64	MC1807F	1		MON	2.6%	.45*†	DTL	2	7	0.0	5.0	35n	10n	10n			0	75	4	G01210	TO86
65	MC1807L,P%	1		MON	2.6%	.45*†	DTL	2	7	0.0	5.0	35n	10n	10n			0	75	4	G01210	TO116
66♦	MAG10	1	2.0M	PCB	3.0%	.40*	DTL	3†	25	0	5	25n			310m	1.0	0	70	10	G013p	
67♦	MAG8	1	5.0M	PCB	3.0%	.40*	DTL	4	8	0	5	35n			275m	1.0	0	70	8		
68♦	MC699P	1		MON	3.2	2.0	DTL	2		0.0	5.0	360n			450mt		-30	75	2	G01258	M398
69♦	MC699PC	1		MON	3.2	2.0	DTL	2		0.0	5.0	360n			450mt		-30	75	2	G01258	M399
70	K123	1	100k	PCB	5.0	0.0	DTL	2	15	0.0	5.0	2.0u	180u	180u	90m	1.6	-20	65	3		
71♦#	FZH251	1	500k%	MON	7.5%	4.5*	DTL	3†	10	0.0	12	260nt	340nt	120nt	216m§	5.0 Δ	0	70	4	G01234	M117aa
72♦#	FZH255	1	500k%	MON	7.5%	4.5*	DTL	3†	10	0.0	12	260nt	340nt	120nt	216m§	5.0 Δ	-25	85	4	G01234	M117aa
73♦#	H109D1	1		MON	8.0%	6.0*	DTL	5Δ	25	0.0	20	250nΔ			240m§	5.0 Δ	0	75	2	G02177	M294
74♦#	H109D2	1		MON	8.0%	6.0*	DTL	5Δ	25	0.0	16	250nΔ			152m§	5.0 Δ	-55	125	2	G02177	M443
75♦#	H109D6	1		MON	8.0%	6.0*	DTL	5Δ	25	0.0	16	250nΔ			152m§	5.0 Δ	-40	85	2	G02177	M443a
76♦#	H209B1	1		MON	8.0%	6.0*	DTL	5Δ	200	0.0	16	250nΔ			500m	5.0 Δ	0	75	2	G02177	TO116
77	MC1047P	1		MON	-.75%	-1.6*	ECT	2	25	5.2	0.0	5.0n	8.5n	8.5n	130mt		0	75	4	G043k	TO116
78	MC1247F	1		MON	-.75%	-1.6*	ECT	2	25	5.2	0.0	5.0n	8.5n	8.5n	130mt		-55	125	4	G043k	TO86
79	MC1247L	1		MON	-.75%	-1.6*	ECT	2	25	5.2	0.0	5.0n	8.5n	8.5n	130mt		-55	125	4	G043k	TO116
80	MC10504F	1		MON	-.93%	-1.6*†	ECT	2		5.2	0.0	4.0nΔ	3.3n	3.3n	140mt		-55	125	4	G01232	FP85
81	MC10504L	1		MON	-.93%	-1.6*†	ECT	2		5.2	0.0	4.0nΔ	3.3n	3.3n	140mt		-55	125	4	G01232	M191
82	MC10104L	1		MON	-.96%	-1.6*†	ECT	2		5.2	0.0	2.7n%	2.0n	2.0n	140mt		-30	85	4	G01232	M191
83	MC10104P	1		MON	-.96%	-1.6*†	ECT	2		5.2	0.0	2.7n%	2.0n	2.0n	140mt		-30	85	4	G01232	M278
84	MC10197L	1		MON	-.96%	-1.6*†	ECT	2		5.2	0.0	3.5n%	2.0nt	2.0nt	200mt		-30	85	6	G01256	M191
85	SN10104J	1		MON	-.98%	-1.6*	ECT	2		5.2	0.0	2.8n			100mt		0	85	4	G01272	M153d
86	SN10104N	1		MON	-.98%	-1.6*	ECT	2		5.2	0.0	2.8n			100mt		0	85	4	G01272	M117x
87	MC9723P	1		MON			RTL	2	4	0.0	3.6	50n%			48mt		15	55	4	G01195a	TO116
88	MC9823P	1		MON			RTL	2	4	0.0	3.6	5.0n%			48mt		0	75	4	G01195a	TO116
89	MC9713P	1	14M%	MON			RTL	2	5Δ	0.0	3.6	28n			100mt		15	55	4	G01195	TO116
90	MC9813P	1	14M%	MON			RTL	2	5Δ	0.0	3.6	28n			100mt		0	75	4	G01195	TO116
91♦	LCE308	1	3.0M	MOH	6.0	0.0†	RTL	5		6	12	25n	30n	38n	450m		-40	100	1	G0185	CN27
92♦	LCE410	1	3.0M	MOH	6.0	0.0†	RTL	4		6	12	25n	30n	38n	450m		-40	100	1	G0185a	M45
93#	GTB74S11P	1		MON			TTL	3	10	0.0	5.0	3.0n			37mΔ		0	70	3	G04377a	
94	MC5409L	1		MON		.40*†	TTL	2	10	0.0	5.0	15n%			70mt		-55	125	4	G01227a	TO116
95	MC7409L,P%	1		MON		.40*†	TTL	2	10	0.0	5.0	15n%			70mt		0	70	4	G01227a	TO116
96	TG80F	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ			140m§	1.0 Δ	-55	125	2	G01243	TO86
97	TG80J	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ			140m§	1.0 Δ	-55	125	2	G01243	M157c
98	TG81F	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ			140m§	1.0 Δ	-55	125	2	G01243	TO86
99	TG81J	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ			140m§	1.0 Δ	-55	125	2	G01243	M157c
100	TG82F	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ			155m§	1.0 Δ	0	75	2	G01243	TO86
101	TG82J	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ			155m§	1.0 Δ	0	75	2	G01243	M157c
102	TG83F	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ			155m§	1.0 Δ	0	75	2	G01243	TO86
103	TG83J	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ			155m§	1.0 Δ	0	75	2	G01243	M157c
104	9005DM	1		MON	1.7%	.90*	TTL	4	11	0.0	5.0	14n			64mt		-55	125	2	G01188	M157
105	9005FM	1		MON	1.7%	.90*	TTL	4	11	0.0	5.0	14n			64mt		-55	125	2	G01188	FP28b
106	9008DM	1		MON	1.7%	.90*	TTL	9	11	0.0	5.0	14n			55mt		-55	125	2	G01190	M157
107	9008FM	1		MON	1.7%	.90*	TTL	9	11	0.0	5.0	14n			55mt		-55	125	2	G01190	FP28b
108#	MIC9005-1D	1		MON	1.7%	.90*	TTL	4	11	0.0	5.0	14n			64mt	400m	0	75	2	G01188	M153a

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	MIC9008-1D	1		MON	1.7%	.90*	TTL	9	11	0.0	5.0	14n			55m†		0	75	2	G01190	M153a
2	9005DC	1		MON	1.8%	.85*	TTL	4	10	0.0	5.0	14n			75m†		0	75	2	G01188	M157
3	9005FC	1		MON	1.8%	.85*	TTL	4	10	0.0	5.0	14n			75m†		0	75	2	G01188	FP28b
4	9008DC	1		MON	1.8%	.85*	TTL	9	10	0.0	5.0	14n			70m†		0	75	2	G01190	M157
5	9008FC	1		MON	1.8%	.85*	TTL	9	10	0.0	5.0	14n			70m†		0	75	2	G01190	FP28b
6#	MIC9005-5D	1		MON	1.8%	.85*	TTL	4	10	0.0	5.0	14n			75m†	400m	0	75	2	G01188	M153a
7#	MIC9008-5D	1		MON	1.8%	.85*	TTL	9	10	0.0	5.0	14n			70m†	400m	0	75	1	G01190	M153a
8	5512A	1	40M	PCB	2.0%	.45*	TTL	2	12	0.0	7.0	9.0n%	2.0n†	2.5n†	264m†		0	70	12		CB62
9	5515A	1	40M	PCB	2.0%	.45*	TTL	4	12	0.0	7.0	9.0n%	2.0n†	2.5n†	224m†		0	70	8		CB62
10	5517A	1	40M	PCB	2.0%	.45*	TTL	2	25	0.0	7.0	9.0n%	2.0n†	2.5n†	540m†		0	70	12		CB62
11▼	SN54LS08J	1		MON	2.0%	.70*	TTL	2	11	0.0	5.0	24nΔ			44m	1.0 *	-55	125	4	G01266	M157b
12▼	SN54LS08W	1		MON	2.0%	.70*	TTL	2	11	0.0	5.0	24nΔ			44m	1.0 *	-55	125	4	G01266	FP97a
13▼	SN54LS09J	1		MON	2.0%Ø	.70*	TTL	2	11	0.0	5.0	35nΔ			44m	1.0 *	-55	125	4	G01266	M157b
14▼	SN54LS09W	1		MON	2.0%Ø	.70*	TTL	2	11	0.0	5.0	35nΔ			44m	1.0 *	-55	125	4	G01266	FP97a
15▼	SN54LS11J	1		MON	2.0%	.70*	TTL	3	11	0.0	5.0	24nΔ			33m	1.0 *	-55	125	3	G01267	M157b
16▼	SN54LS11W	1		MON	2.0%	.70*	TTL	3	11	0.0	5.0	24nΔ			33m	1.0 *	-55	125	3	G01267	FP97a
17▼	SN54LS15J	1		MON	2.0%Ø	.70*	TTL	3	11	0.0	5.0	35nΔ			33m	1.0 *	-55	125	3	G01267	M157b
18▼	SN54LS15W	1		MON	2.0%Ø	.70*	TTL	3	11	0.0	5.0	35nΔ			33m	1.0 *	-55	125	3	G01267	FP97a
19▼	SN54LS21J	1		MON	2.0%	.70*	TTL	4	11	0.0	5.0	24nΔ			22m	1.0 *	-55	125	2	G01268	M157b
20▼	SN54LS21W	1		MON	2.0%	.70*	TTL	4	11	0.0	5.0	24nΔ			22m	1.0 *	-55	125	2	G01268	FP97a
21	DM54H08J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12nΔ			320m§		-55	125	4	G01227b	M294b
22	DM54H08N	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12nΔ			320m§		-55	125	4	G01227b	M344
23	DM54H11J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12nΔ					-55	125	3	G01227	M294b
24	DM54H11N	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12nΔ					-55	125	3	G01227	M344
25	DM54H21J	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			160m§		-55	125	2	G01153	M294b
26	DM54H21N	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			160m§		-55	125	2	G01153	M344
27	DM74H08J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12nΔ			320m§		0	70	4	G01227b	M294b
28	DM74H08N	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12nΔ			320m§		0	70	4	G01227b	M344
29	DM74H11J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12nΔ					0	70	3	G01227	M294b
30	DM74H11N	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12nΔ					0	70	3	G01227	M344
31	DM74H21J	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			160m§		0	70	2	G01153	M294b
32	DM74H21N	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			160m§		0	70	2	G01153	M344
33	DM74S11N	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	7.5nΔ			96m†		0	70	3	G01227	M344
34	DM74S15N	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	9.0nΔ			87m†		0	70	3	G01183c	M344
35	DM5408J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			660m§	400m	-55	125	4	G01227b	M294b
36	DM5408N	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			660m§	400m	-55	125	4	G01227b	M344
37	DM5408W	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			660m§	400m	-55	125	4	G01227b	FP97a
38	DM5409J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			660m§	400m	-55	125	4	G01227a	M294b
39	DM5409N	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			660m§	400m	-55	125	4	G01227a	M344
40	DM5409W	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			660m§	400m	-55	125	4	G01227a	FP97a
41	DM5411J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ			330m§	400m	-55	125	3	G01227	M294b
42	DM5411N	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ			330m§	400m	-55	125	3	G01227	M344
43	DM7408J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			660m§	400m	0	70	4	G01227b	M294b
44	DM7408N	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			660m§	400m	0	70	4	G01227b	M344
45	DM7409J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			660m§	400m	0	70	4	G01227a	M294b
46	DM7409N	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			660m§	400m	0	70	4	G01227a	M344
47	DM7411J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ			330m§	400m	0	70	3	G01227	M294b
48	DM7411N	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ			330m§	400m	0	70	3	G01227	M344
49	DM7819J	1		MON	2.0%	.80*	TTL	2		0.0	5.0	16n			100m†		-55	125	4	G01266	M294f
50	DM7819N	1		MON	2.0%	.80*	TTL	2		0.0	5.0	16n			100m†		-55	125	4	G01266	M344
51	DM7819W	1		MON	2.0%	.80*	TTL	2		0.0	5.0	16n			100m†		-55	125	4	G01266	FP97
52	DM8819J	1		MON	2.0%	.80*	TTL	2		0.0	5.0	16n			100m†		0	70	4	G01266	M294f
53	DM8819N	1		MON	2.0%	.80*	TTL	2		0.0	5.0	16n			100m†		0	70	4	G01266	M344
54	DM8819W	1		MON	2.0%	.80*	TTL	2		0.0	5.0	16n			100m†		0	70	4	G01266	FP97
55▼	DS7819J	1		MON	2.0%	.80*	TTL	2		0.0	5.0	32n			165m		-55	125	4	G04401	M257c
56▼	DS7819W	1		MON	2.0%	.80*	TTL	2		0.0	5.0	32n			165m		-55	125	4	G04401	FP97c
57▼	DS8819J	1		MON	2.0%	.80*	TTL	2		0.0	5.0	32n			165m		0	70	4	G04401	M257c
58▼	DS8819N	1		MON	2.0%	.80*	TTL	2		0.0	5.0	32n			165m		0	70	4	G04401	M344
59▼#	FLH391T7409S1	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			150m§	1.0 Δ	0	70	4	G04401	M126p
60▼#	FLH395T8409S1	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			150m§	1.0 Δ	-25	85	4	G04401	M126p
61▼#	GFB7408	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			10mΔ	1.0 Δ	0	70	4	G04387k	M126n
62▼#	GJB74H11P	1		MON	2.0%	.80*	TTL	9	10	0.0	5.0	12nΔ			120m†	400m	0	70	3	G01153a	M126n
63	ITT5450J	1			2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ			20m†		-55	125	2	G01193a	M157
64	ITT5451J	1			2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20m†		-55	125	2	G01193c	M157
65	ITT5453J	1			2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			10m†		-55	125	1	G01194a	M157
66	ITT5454J	1			2.0%	.80*	TTL	8	10	0.0	5.0	26n			10m†		-55	125	1	G01194c	M157
67	ITT7450J	1			2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ			20m†		0	70	2	G01193a	M157
68	ITT7451J	1			2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20m†		0	70	2	G01193c	M157
69	ITT7453J	1			2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			10m†		0	70	1	G01194a	M157
70	ITT7454J	1			2.0%	.80*	TTL	8	10	0.0	5.0	26n			10m†		0	70	1	G01194c	M157
71#	M5S011P	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	5.5n%			96m†	1.0 Δ	0	75	3	G01183a	M105j
72#	M5S015P	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	5.5n%			87m†	1.0 Δ	0	75	3	G01183c	M105j
73	JANM38510/01601BAA	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	40nΔ			200m		-55	125	4	G01237	FP115
74	JANM38510/01601BAB	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	40nΔ			200m		-55	125	4	G01237	FP115
75	JANM38510/01601BAC	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	40nΔ			200m		-55	125	4	G01237	FP115
76	JANM38510/01601BCA	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	40nΔ			200m		-55	125	4	G01237	M314
77	JANM38510/01601BCB	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	40nΔ			200m		-55	125	4	G01237	M314
78	JANM38510/01601BDB	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	40nΔ			200m		-55	125	4	G01237	FP116
79	JANM38510/01601CAA	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	40nΔ			200m		-55	125	4	G01237	FP115
80	JANM38510/01601CAB	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	40nΔ			200m		-55	125	4	G01237	FP115
81	JANM38510/01601CAC	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	40nΔ			200m		-55	125	4	G01237	FP115
82	JANM38510/01601CCA	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	40nΔ			200m		-55	125	4	G01237	M314
83	JANM38510/01601CCB	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	40nΔ			200m		-55	125	4	G01237	M314
84	JANM38510/01601CDB	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	40nΔ			200m		-55	125	4	G01237	FP116
85	JANM38510/01602BAA	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	FP115
86	JANM38510/01602BAB	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	FP115
87	JANM38510/01602BAC	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	FP115
88	JANM38510/01602BCA	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	M314
89	JANM38510/01602BCB	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	M314
90	JANM38510/01602BDB	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	FP116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/01602CAA	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	FP115
2	JANM38510/01602CAB	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	FP115
3	JANM38510/01602CAC	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	FP115
4	JANM38510/01602CCA	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	M314
5	JANM38510/01602CCB	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	M314
6	JANM38510/01602CDB	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	FP116
7#	MIC74H11J	1		MON	2.0%	.80*	TTL	3	10	0.0	7.0	8.0n%				1.0 Δ	0	75	3	G01153a	M157
8#	MIC74H21J	1		MON	2.0%	.80*	TTL	4	10	0.0	7.0	8.0n%				1.0 Δ	0	75	2	G01153	M157
9♦#	MIC5408J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			78m†		-55	125	4	G01266	TO116
10♦#	MIC5409AJ	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			78m†		-55	125	4	G01266	TO116
11♦#	MIC5409J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			78m†		-55	125	4	G01266	TO116
12♦#	MIC5411J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	32nΔ			59m†		-55	125	3	G01267	TO116
13♦#	MIC5421J	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			40m†		-55	125	2	G01268	TO116
14#	MIC6408J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		-40	85	4	G04414	TO116
15#	MIC6409AJ	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		-40	85	4	G04401	TO116
16#	MIC6409J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		-40	85	4	G04401	TO116
17#	MIC6411J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	32nΔ			100m%		-40	85	3		TO116
18#	MIC6421J	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	32nΔ			65m%		-40	85	2		TO116
19♦#	MIC7408J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			78m†		0	75	4	G01266	TO116
20♦#	MIC7408N	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			78m†		0	75	4	G01266	M126x
21♦#	MIC7409AJ	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			78m†		0	75	4	G01266	TO116
22♦#	MIC7409AN	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			78m†		0	75	4	G01266	M126x
23♦#	MIC7409J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			78m†		0	75	4	G01266	TO116
24♦#	MIC7409N	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			78m†		0	75	4	G01266	M126x
25♦#	MIC7411J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	32nΔ			59m†		0	75	3	G01267	TO116
26♦#	MIC7411N	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	32nΔ			59m†		0	75	3	G01267	M126x
27♦#	MIC7421J	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			40m†		0	75	2	G01268	TO116
28♦#	MIC7421N	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			40m†		0	75	2	G01268	M126x
29#	MIC54130J	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		-55	125	4	G01236	TO116
30#	MIC54131J	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		-55	125	4	G01236	TO116
31#	MIC64130J	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		-40	85	4	G01236	TO116
32#	MIC64131J	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		-40	85	4	G01236	TO116
33#	MIC74130J	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		0	75	4	G01236	TO116
34♦#	MIC74130N	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		0	75	4	G01236	M126x
35#	MIC74131J	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		0	75	4	G01236	TO116
36♦#	MIC74131N	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		0	75	4	G01236	M126x
37	N74H08A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12n%			320m§		0	70	4	G01183b	M318
38	N74H08F	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0				320m§		0	70	4	G01183b	M200x
39	N74H11A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12nΔ			240m§		0	70	3	G01197	M318
40	N74H11F	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12nΔ			240m§		0	70	3	G01197	M200x
41	N74H21A	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			160m§		0	70	2	G01197a	M318
42	N74H21F	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			160m§		0	70	2	G01197a	M200x
43	N74LS08A	1		MON	2.0%	.80*	TTL	2		0.0	5.0	12n			44m		0	70	4	G01266	M318
44	N74LS08F	1		MON	2.0%	.80*	TTL	2		0.0	5.0	12n			44m		0	70	4	G01266	M235a
45	N74LS09A	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	20n			4.2mΔ		0	70	4	G01266	M318
46	N74LS09F	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	20n			4.2mΔ		0	70	4	G01266	M235a
47	N74LS11A	1		MON	2.0%	.80*	TTL	3		0.0	5.0	12n			33m		0	70	3	G01267	M318
48	N74LS11F	1		MON	2.0%	.80*	TTL	3		0.0	5.0	12n			33m		0	70	3	G01267	M235a
49	N74LS15A	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	20n			4.2mΔ		0	70	3	G01267	M318
50	N74LS15F	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	20n			4.2mΔ		0	70	3	G01267	M235a
51	N74LS21A	1		MON	2.0%	.80*	TTL	4		0.0	5.0	12n			22m		0	70	2	G01268	M318
52	N74LS21F	1		MON	2.0%	.80*	TTL	4		0.0	5.0	12n			22m		0	70	2	G01268	M235a
53	N74S08A	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5n			71mΔ		0	70	4	G01249	M318
54	N74S08F	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5n			71mΔ		0	70	4	G01249	M200x
55	N74S09A	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	9.0n			71mΔ		0	70	4	G01249a	M318
56	N74S09F	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	9.0n			71mΔ		0	70	4	G01249a	M200x
57▼	N74S11A	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	7.5nΔ			210m†	1.0 †	0	70	3	G01249c	M318
58▼	N74S11F	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	7.5nΔ			210m†	1.0 †	0	70	3	G01249c	M257f
59▼	N74S15A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	9.0nΔ			210m†	1.0 †	0	70	3	G01249b	M318
60▼	N74S15F	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	9.0nΔ			210m†	1.0 †	0	70	3	G01249b	M257f
61♦	N7408A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m§	1.0 †	0	70	4	G01225b	M318
62▼	N7408F	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m§	1.0 †	0	70	4	G01225b	M257f
63♦	N7409A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	34nΔ			130m§	1.0 †	0	70	4	G01227a	M318
64▼	N7409F	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	34nΔ			130m§	1.0 †	0	70	4	G01227a	M257f
65♦	N7411A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ			100m§	1.0 †	0	70	3	G01225a	M318
66▼	N7411F	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ			100m§	1.0 †	0	70	3	G01225a	M257f
67♦	N7421A	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			65m§	1.0 †	0	70	2	G01225	M318
68▼	N7421F	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			65m§	1.0 †	0	70	2	G01225	M257f
69	NC74H11N	1		MON	2.0%	.80*	TTL	3	10	0.0	7.0	15nΔ				1.0 Δ	0	70	3	G01153a	M126
70	NC74H21N	1		MON	2.0%	.80*	TTL	4	10	0.0	7.0	15nΔ				1.0 Δ	0	70	2	G01153	M126
71	S54H08A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12n%			320m§		-55	125	4	G01183b	M318
72	S54H08F	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0				320m§		-55	125	4	G01183b	M200x
73	S54H08W	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0				320m§		-55	125	4	G01183b	FP39e
74	S54H11A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12nΔ			240m§		-55	125	3	G01197	M318
75	S54H11F	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12nΔ			240m§		-55	125	3	G01197	M200x
76	S54H11W	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12nΔ			240m§		-55	125	3	G01197	FP39e
77	S54H21A	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			160m§		-55	125	2	G01197a	M318
78	S54H21F	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			160m§		-55	125	2	G01197a	M200x
79	S54H21W	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			160m§		-55	125	2	G01197a	FP39e
80	S54S08A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.5n			71mΔ		-55	125	4	G01249	M318
81	S54S08F	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.5n			71mΔ		-55	125	4	G01249	M200x
82	S54S08W	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.5n			71mΔ		-55	125	4	G01249	FP39e
83	S54S09A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0n			71mΔ		-55	125	4	G01249a	M318
84	S54S09F	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0n			71mΔ		-55	125	4	G01249a	M200x
85	S54S09W	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0n			71mΔ		-55	125	4	G01249a	FP39e
86♦	S5408A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m§	1.0 †	-55	125	4	G01225b	M318
87▼	S5408F	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m§	1.0 †	-55	125	4	G01225b	M257f
88▼	S5408W	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m§	1.0 †	-55	125	4	G01225b	FP39e
89♦	S5409A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	34nΔ			130m§	1.0 †	-55	125	4	G01227a	M318
90♦	S5409F	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	34nΔ			130m§	1.0 †	-55	125	4	G01227a	M257f
91▼	S5409W	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	34nΔ			130m§	1.0 †	-55	125	4	G01227a	FP39e
92♦	S5411A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ			100m§	1.0 †	-55	125	3	G01225a	M318
93▼	S5411F	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ			100m§	1.0 †	-55	125	3	G01225a	M257f
94▼	S5411W	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ			100m§	1.0 †	-55	125	3	G01225a	FP39e
95♦	S5421A	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			65m§	1.0 †	-55	125	2	G01225	M318
96▼	S5421F	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			65m§	1.0 †	-55	125	2	G01225	M257f
97▼	S5421W	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			65m§	1.0 †	-55	125	2	G01225	FP39e
98#	SFC408E	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%	400m	0	70	4	G04414	TO116
99#	SFC408EM	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%	400m	-55	125	4	G04414	TO116
100#	SFC408ET	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%	400m	-25	85	4	G04414	TO116
101#	SFC408EV	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%	400m	-40	85	4	G04414	TO116
102#	SFC408P	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%	400m	0	70	4	G04414	TO85
103#	SFC408PM	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%	400m	-55	125	4	G04414	TO85
104#	SFC409E	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%	400m	0	70	4	G04401	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	SFC409EM	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%	400m	-55	125	4	G04401	TO116
2#	SFC409ET	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%	400m	-25	85	4	G04401	TO116
3#	SFC409EV	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%	400m	-40	85	4	G04401	TO116
4#	SFC409P	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%	400m	0	70	4	G04401	TO85
5#	SFC409PM	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%	400m	-55	125	4	G04401	TO85
6#	SFC411HE	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	12nΔ			60m†	400m	0	70	3	G0414a	TO116
7#	SFC411HEM	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	12nΔ			60m†	400m	-55	125	3	G0414a	TO116
8#	SFC411HP	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	12nΔ			60m†	400m	0	70	3	G0414a	TO85
9#	SFC411HPM	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	12nΔ			60m†	400m	-55	125	3	G0414a	TO85
10#	SFC421HE	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ				1.0 Δ	0	70	2		TO116
11#	SFC421HEM	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ				1.0 Δ	-55	125	2		TO116
12	SN54H11J	1		MON	2.0%	.80*	TTL	3	10	0	7	15nΔ				1.0 Δ	-55	125	3	G01153a	M157b
13	SN54H11N	1		MON	2.0%	.80*	TTL	3	10	0	7	15nΔ				1.0 Δ	-55	125	3	G01153a	M126
14	SN54H11W	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15nΔ			120m†	1.0 Δ	-55	125	3	G01153a	Δ004AA
15	SN54H15J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12n			265m	1.0	-55	125	3	G01227	M157b
16	SN54H15W	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12n			265m	1.0	-55	125	3	G01227	Δ004AA
17	SN54H21J	1		MON	2.0%	.80*	TTL	4	10	0	7	15nΔ				1.0 Δ	-55	125	2	G01153	M157b
18	SN54H21N	1		MON	2.0%	.80*	TTL	4	10	0	7	15nΔ				1.0 Δ	-55	125	2	G01153	M126
19	SN54H21W	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15nΔ			80m†	1.0 Δ	-55	125	2	G01153	Δ004AA
20	SN54S08J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.5nΔ			285m§	1.0 Δ	-55	125	4	G01249a	M157b
21	SN54S08W	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.5nΔ			314m	1.0 Δ	-55	125	4	G01249a	Δ004AA
22	SN54S09J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ			285m§	1.0 Δ	-55	125	4	G01249	M157b
23	SN54S09W	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ			285m§	1.0 Δ	-55	125	4	G01249	Δ004AA
24	SN54S11J	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0n			96m†	1.0 Δ	-55	125	3	G01183a	M157b
25	SN54S11W	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0n			96m†	1.0 Δ	-55	125	3	G01183a	Δ004AA
26	SN54S15J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	6.0n			87m†	1.0 Δ	-55	125	3	G01183c	M157b
27	SN54S15W	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	6.0n			87m†	1.0 Δ	-55	125	3	G01183c	Δ004AA
28	SN74H11J	1		MON	2.0%	.80*	TTL	3	10	0	7	15nΔ				1.0 Δ	0	70	3	G01153a	M157b
29	SN74H11N	1		MON	2.0%	.80*	TTL	3	10	0	7	15nΔ				1.0 Δ	0	70	3	G01153a	M126e
30	SN74H11W	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15nΔ			120m†	1.0 Δ	0	70	3	G01153a	TO84
31	SN74H15J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12n			250m	1.0	0	70	3	G01227	M157b
32	SN74H15N	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12n			250m	1.0	0	70	3	G01227	M126e
33	SN74H21J	1		MON	2.0%	.80*	TTL	4	10	0	7	15nΔ				1.0 Δ	0	70	2	G01153	M157b
34	SN74H21N	1		MON	2.0%	.80*	TTL	4	10	0	7	15nΔ				1.0 Δ	0	70	2	G01153	M126e
35	SN74H21W	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15nΔ			80m†	1.0 Δ	0	70	2	G01153	TO84
36▼	SN74LS08J	1		MON	2.0%	.80*	TTL	2	22	0.0	5.0	24nΔ			44m	1.0 *	0	70	4	G01266	M157b
37▼	SN74LS08N	1		MON	2.0%	.80*	TTL	2	22	0.0	5.0	24nΔ			44m	1.0 *	0	70	4	G01266	M126e
38▼	SN74LS09J	1		MON	2.0%	.80*	TTL	2	22	0.0	5.0	35nΔ			44m	1.0 *	0	70	4	G01266	M157b
39▼	SN74LS09N	1		MON	2.0%	.80*	TTL	2	22	0.0	5.0	35nΔ			44m	1.0 *	0	70	4	G01266	M126e
40▼	SN74LS11J	1		MON	2.0%	.80*	TTL	3	22	0.0	5.0	24nΔ			33m	1.0 *	0	70	3	G01267	M157b
41▼	SN74LS11N	1		MON	2.0%	.80*	TTL	3	22	0.0	5.0	24nΔ			33m	1.0 *	0	70	3	G01267	M126e
42▼	SN74LS15J	1		MON	2.0%Ø	.80*	TTL	3	22	0.0	5.0	35nΔ			33m	1.0 *	0	70	3	G01267	M157b
43▼	SN74LS15N	1		MON	2.0%Ø	.80*	TTL	3	22	0.0	5.0	35nΔ			33m	1.0 *	0	70	3	G01267	M126e
44▼	SN74LS21J	1		MON	2.0%	.80*	TTL	4	22	0.0	5.0	24nΔ			22m	1.0 *	0	70	2	G01268	M157b
45▼	SN74LS21N	1		MON	2.0%	.80*	TTL	4	22	0.0	5.0	24nΔ			22m	1.0 *	0	70	2	G01268	M126e
46	SN74S08J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.5nΔ			285m§	1.0 Δ	0	70	4	G01249a	M157b
47	SN74S08N	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.5nΔ			285m§	1.0 Δ	0	70	4	G01249a	M126e
48	SN74S09J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ			285m§	1.0 Δ	0	70	4	G01249	M157b
49	SN74S09N	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ			285m§	1.0 Δ	0	70	4	G01249	M126e
50	SN74S11J	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0n			96m†	1.0 Δ	0	70	3	G01183a	M157b
51	SN74S11N	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0n			96m†	1.0 Δ	0	70	3	G01183a	M126e
52	SN74S11W	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0n			96m†	1.0 Δ	0	70	3	G01183a	Δ004AA
53	SN74S15J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	6.0n			87m†	1.0 Δ	0	70	3	G01183c	M157b
54	SN74S15N	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	6.0n			87m†	1.0 Δ	0	70	3	G01183c	M126e
55	SN74S15W	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	6.0n			87m†	1.0 Δ	0	70	3	G01183c	Δ004AA
56#	T74H11B1	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	8.0n			130m	1.0 Δ	0	70			
57#	T74H11D1	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	8.0n			130m	1.0 Δ	0	70			
58#	T74H11D2	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	8.0n			130m	1.0 Δ	-55	125			
59#	T74H21B1	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	8.0n			80m	1.0 Δ	0	70			
60#	T74H21D1	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	8.0n			80m	1.0 Δ	0	70			
61#	T74H21D2	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	8.0n			80m	1.0 Δ	-55	125			
62	TG54S08F	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			70m§		-55	125	4	G01153b	TO86
63	TG54S08J	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			70m§		-55	125	4	G01153b	M157c
64	TG54S09F	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	9.0nΔ			70m§		-55	125	4	G01183	TO86
65	TG54S09J	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	9.0nΔ			70m§		-55	125	4	G01183	M157c
66	TG54S11F	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	7.5nΔ			70m§		-55	125	3	G01183a	TO86
67	TG54S11J	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	7.5nΔ			70m§		-55	125	3	G01183a	M157c
68	TG54S15F	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	9.0nΔ			70m§		-55	125	3	G01183a	TO86
69	TG54S15J	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	9.0nΔ			70m§		-55	125	3	G01183a	M157c
70	TG54S21F	1		MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.5nΔ			70m§		-55	125	2	G01153	TO86
71	TG54S21J	1		MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.5nΔ			70m§		-55	125	2	G01153	M157c
72	TG74S08F	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			70m§		0	70	4	G01153b	TO86
73	TG74S08J	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			70m§		0	70	4	G01153b	M157c
74	TG74S09F	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	9.0nΔ			70m§		0	70	4	G01183	TO86
75	TG74S09J	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	9.0nΔ			70m§		0	70	4	G01183	M157c
76	TG74S11F	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	7.5nΔ			70m§		0	70	3	G01183a	TO86
77	TG74S11J	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	7.5nΔ			70m§		0	70	3	G01183a	M157c
78	TG74S15F	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	9.0nΔ			70m§		0	70	3	G01183a	TO86
79	TG74S15J	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	9.0nΔ			70m§		0	70	3	G01183a	M157c
80	TG74S21F	1		MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.5nΔ			70m§		0	70	2	G01153	TO86
81	TG74S21J	1		MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.5nΔ			70m§		0	70	2	G01153	M157c
82#	TL7408N	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			141m†		0	70	4	G04414	M126n
83#	TL7409N	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			141m†		0	70	4	G04401	M126n
84	US54H08A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	-55	125	4	G01153b	M105b
85	US54H08J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	-55	125	4	G01153b	TO88
86	US54H11A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	-55	125	3	G01153a	M105b
87	US54H11J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	-55	125	3	G01153a	TO88
88	US54H21A	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15nΔ	45n	10n		1.0 Δ	-55	125	2	G01153	M105b
89	US54H21J	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15nΔ	45n	10n		1.0 Δ	-55	125	2	G01153	TO88
90	US74H08A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	0	70	4	G01153b	M105b
91	US74H08J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	0	70	4	G01153b	TO88
92	US74H11A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	0	70	3	G01153a	M105b
93	US74H11J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	0	70	3	G01153a	TO88
94	US74H21A	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15nΔ	45n	10n		1.0 Δ	0	70	2	G01153	M105b
95	US74H21J	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15nΔ	45n	10n		1.0 Δ	0	70	2	G01153	TO88
96	US5408A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	16n	18n	8.0n			-55	125	4	G01202	M105b
97	US5408J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	16n	18n	8.0n			-55	125	4	G01202	TO88
98	US5411A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	16n	18n	8.0n			-55	125	3	G01202a	M105b
99	US5411J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	16n	18n	8.0n			-55	125	3	G01202a	TO88
100	US7408A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	16n	18n	8.0n			0	70	4	G01202	M105b
101	US7408J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	16n	18n	8.0n			0	70	4	G01202	TO88
102	US7411A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	16n	18n	8.0n			0	70	3	G01202a	M105b
103	US7411J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	16n	18n	8.0n			0	70	3	G01202a	TO88
104♦#	FLH381-7408	1	4.0M	MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			150m§	1.0 Δ	0	70	4	G04414	M126p
105♦#	FLH385-8408	1	4.0M	MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			150m§	1.0 Δ	-25	85	4	G04414	M126p
106♦#	FLH391-7409	1	4.0M	MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			150m§	1.0 Δ	0	70	4	G04401	M126p
107♦#	FLH395-8409	1	4.0M	MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			150m§	1.0 Δ	-25	85	4	G04401	M126p
108	MC3001F	1		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	9.0n			112m†		0	75	4	G01183	TO86
109	MC3001L,P%	1		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	9.0n			112m†		0	75	4	G01183	TO116
110	MC3101F	1		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	9.0n			112m†		-55	125	4	G01183	TO86

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC3101L	1		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	9.0n			112m†		-55	125	4	G01183	TO116
2	MC3106F	1		MON	2.4%	.40*†	TTL	3	10	0.0	5.0	9.0n			84m†		-55	125	3	G01183a	TO86
3	MC3106L	1		MON	2.4%	.40*†	TTL	3	10	0.0	5.0	9.0n			84m†		-55	125	3	G01183a	TO116
4	MC3111F	1		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	9.0n			56m†		-55	125	2	G04419	TO86
5	MC3111L	1		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	9.0n			56m†		-55	125	2	G04419	TO116
6	MC3126F	1		MON	2.4%	.40*†	TTL	4	20	0.0	5.0	9.0n			90m†		-55	125	2	G01185	TO86
7	MC3126L	1		MON	2.4%	.40*†	TTL	4	20	0.0	5.0	9.0n			90m†		-55	125	2	G01185	TO116
8	MC5408L	1		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	15n%			70m†		-55	125	4	G01227	TO116
9	MC7408L,P%	1		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	15n%			70m†		0	70	4	G01227b	TO116
10	MC427F	1		MON	2.4%	.45*†	TTL	5Δ	12	0.0	5.0	10n			38m		0	75	2	G01209	TO86
11	MC427L	1		MON	2.4%	.45*†	TTL	5Δ	12	0.0	5.0	10n			38m		0	75	2	G01209	TO116
12	MC427L,P%	1		MON	2.4%	.45*†	TTL	5Δ	12	0.0	5.0	10n			38m		0	75	2	G01209	TO116
13	MC427P	1		MON	2.4%	.45*†	TTL	5Δ	12	0.0	5.0	10n			38m		0	75	2	G01209	M114
14	MC477F	1		MON	2.4%	.45*†	TTL	5Δ	6	0.0	5.0	10n			38m		0	75	2	G01209	TO86
15	MC477L,P%	1		MON	2.4%	.45*†	TTL	5Δ	6	0.0	5.0	10n			38m		0	75	2	G01209	TO116
16	MC527F	1		MON	2.4%	.45*†	TTL	5Δ	15	0.0	5.0	10n			38m		-55	125	2	G01209	TO86
17	MC527L	1		MON	2.4%	.45*†	TTL	5Δ	15	0.0	5.0	10n			38m		-55	125	2	G01209	TO116
18	MC577F	1		MON	2.4%	.45*†	TTL	5Δ	7	0.0	5.0	10n			38m		-55	125	2	G01209	TO86
19	MC577L	1		MON	2.4%	.45*†	TTL	5Δ	7	0.0	5.0	10n			38m		-55	125	2	G01209	TO116
20	MC3006F	1		MON	2.5%	.40*†	TTL	3	10	0.0	5.0	9.0n			84m†		0	75	3	G01183a	TO86
21	MC3006L,P%	1		MON	2.5%	.40*†	TTL	3	10	0.0	5.0	9.0n			84m†		0	75	3	G01183	TO116
22	MC3011F	1		MON	2.5%	.40*†	TTL	4	10	0.0	5.0	9.0n			56m†		0	75	2	G04419	TO86
23	MC3011L,P%	1		MON	2.5%	.40*†	TTL	4	10	0.0	5.0	9.0n			56m†		0	75	2	G04419	TO116
24	MC3026F	1		MON	2.5%	.40*†	TTL	4	20	0.0	5.0	9.0n			90m†		0	75	2	G01185	TO86
25	MC3026L,P%	1		MON	2.5%	.40*†	TTL	4	20	0.0	5.0	9.0n			90m†		0	75	2	G01185	TO116
26	54R11	1			2.7	.40	TTL	3	10	0.0	5.0	10n					-55	125			
27	MC526F	1		MON	2.9%	.45*†	TTL		16	0.0	5.0	15n			60m		-55	125	2	G01208	TO86
28	MC526L	1		MON	2.9%	.45*†	TTL		16	0.0	5.0	15n			60m		-55	125	2	G01208	TO116
29	MC576F	1		MON	2.9%	.45*†	TTL		8	0.0	5.0	15n			60m		-55	125	2	G01208	TO86
30	MC576L	1		MON	2.9%	.45*†	TTL		8	0.0	5.0	15n			60m		-55	125	2	G01208	TO116
31	MC426F	1		MON	3.0%	.45*†	TTL		13	0.0	5.0	15n			60m		0	75	2	G01208	TO86
32	MC426L,P%	1		MON	3.0%	.45*†	TTL		13	0.0	5.0	15n			60m		0	75	2	G01208	TO116
33	MC476F	1		MON	3.0%	.45*†	TTL		7	0.0	5.0	15n			60m		0	75	2	G01208	TO86
34	MC476L,P%	1		MON	3.0%	.45*†	TTL		7	0.0	5.0	15n			60m		0	75	2	G01208	TO116
35	TG280F	1		MON	3.0%	.45*†	TTL	5Δ	15	0.0	7.0	12n			80m†		-55	125	2	G01165b	FP21c
36	TG280J	1		MON	3.0%	.45*†	TTL	5Δ	15	0.0	7.0	12n			80m†		-55	125	2	G01165b	TO116
37	TG281F	1		MON	3.0%	.45*†	TTL	5Δ	7	0.0	7.0	12n			80m†		-55	125	2	G01165b	FP21c
38	TG281J	1		MON	3.0%	.45*†	TTL	5Δ	7	0.0	7.0	12n			80m†		-55	125	2	G01165b	TO116
39	TG282F	1		MON	3.0%	.45*†	TTL	5Δ	15	0.0	7.0	12n			80m†		0	75	2	G01165b	FP21c
40	TG282J	1		MON	3.0%	.45*†	TTL	5Δ	15	0.0	7.0	12n			80m†		0	75	2	G01165b	TO116
41	TG283F	1		MON	3.0%	.45*†	TTL	5Δ	7	0.0	7.0	12n			80m†		0	75	2	G01165b	FP21c
42	TG283J	1		MON	3.0%	.45*†	TTL	5Δ	7	0.0	7.0	12n			80m†		0	75	2	G01165b	TO116
43	RG80D	1	20M	MON	3.4	.20	TTL	3	15	0.0	5.0	11n			60m†	1.1	-55	125	2		M105m
44	RG80K	1	20M	MON	3.4	.20	TTL	3	15	0.0	5.0	11n			60m†	1.1	-55	125	2		FP28
45	RG81D	1	20M	MON	3.4	.20	TTL	3	7	0.0	5.0	11n			60m†	1.1	-55	125	2		M105m
46	RG81K	1	20M	MON	3.4	.20	TTL	3	7	0.0	5.0	11n			60m†	1.1	-55	125	2		FP28
47	RG82D	1	20M	MON	3.4	.20	TTL	3	12	0.0	5.0	11n			60m†	1.1	0	75	2		M105m
48	RG82K	1	20M	MON	3.4	.20	TTL	3	12	0.0	5.0	11n			60m†	1.1	0	75	2		FP28
49	RG83D	1	20M	MON	3.4	.20	TTL	3	6	0.0	5.0	11n			60m†	1.1	0	75	2		M105m
50	RG83K	1	20M	MON	3.4	.20	TTL	3	6	0.0	5.0	11n			60m†	1.1	0	75	2		FP28
51	RG180D	1	20M	MON	3.4	.20	TTL	4		0.0	5.0	1.0n			20m†	1.1	-55	125	2	G0657	M105m
52	RG180K	1	20M	MON	3.4	.20	TTL	4		0.0	5.0	1.0n			20m†	1.1	-55	125	2	G0657	FP28
53	RG181D	1	20M	MON	3.4	.20	TTL	4		0.0	5.0	1.0n			20m†	1.1	-55	125	2	G0657	M105m
54	RG181K	1	20M	MON	3.4	.20	TTL	4		0.0	5.0	1.0n			20m†	1.1	-55	125	2	G0657	FP28
55	RG182D	1	20M	MON	3.4	.20	TTL	4		0.0	5.0	1.0n			20m†	1.1	0	75	2	G0657	M105m
56	RG182K	1	20M	MON	3.4	.20	TTL	4		0.0	5.0	1.0n			20m†	1.1	0	75	2	G0657	FP28
57	RG183D	1	20M	MON	3.4	.20	TTL	4		0.0	5.0	1.0n			20m†	1.1	0	75	2	G0657	M105m
58	RG183K	1	20M	MON	3.4	.20	TTL	4		0.0	5.0	1.0n			20m†	1.1	0	75	2	G0657	FP28
59	RG280D	1	20M	MON	3.4	.20	TTL	4	15	0.0	5.0	11n			76m†	1.0	-55	125	2		M105m
60	RG280K	1	20M	MON	3.4	.20	TTL	4	15	0.0	5.0	11n			76m†	1.0	-55	125	2		FP28
61	RG281D	1	20M	MON	3.4	.20	TTL	4	7	0.0	5.0	11n			76m†	1.0	-55	125	2		M105m
62	RG281K	1	20M	MON	3.4	.20	TTL	4	7	0.0	5.0	11n			76m†	1.0	-55	125	2		FP28
63	RG282D	1	20M	MON	3.4	.20	TTL	4	12	0.0	5.0	11n			76m†	1.0	0	75	2		M105m
64	RG282K	1	20M	MON	3.4	.20	TTL	4	12	0.0	5.0	11n			76m†	1.0	0	75	2		FP28
65	RG283D	1	20M	MON	3.4	.20	TTL	4	6	0.0	5.0	11n			76m†	1.0	0	75	2		M105m
66	RG283K	1	20M	MON	3.4	.20	TTL	4	6	0.0	5.0	11n			76m†	1.0	0	75	2		FP28
67	RG3180D	1		MON	3.4	.30†	TTL	5Δ		0.0	5.0	3.0n				900m	-55	125	2	G01157	M105m
68	RG3180K	1		MON	3.4	.30†	TTL	5Δ		0.0	5.0	3.0n				900m	-55	125	2	G01157	FP21b
69	RG3182D	1		MON	3.4	.30†	TTL	5Δ		0.0	5.0	3.0n				900m	0	75	2	G01157	M105m
70	RG3182K	1		MON	3.4	.30†	TTL	5Δ		0.0	5.0	3.0n				900m	0	75	2	G01157	FP21b
71	SP302A	1		MON	3.5%	.60†*	TTL	2	12	0.0	5.0	15n			62m	1.8 Δ	0	75	4	G01226a	TO116
72	SP304A	1		MON	3.5%	.60†*	TTL	5Δ	12	0.0	5.0	15n			62mΔ	1.8 Δ	0	75	2	G01226	TO116
73	MFC6060	1		MON	15%	.60*†	TTL	3		0.0	16				1.0		0	75	1	G01224	M221
74	CM4019AD	1,2		MOS	10	0.0†		10		0.0	10	100nΔ			200m	4.5 Δ	-55	125	1	G01215	M210b
75	CM4019AE	1,2		MOS	10	0.0†		10		0.0	10	125nΔ			200m	4.5 Δ	-40	85	1	G01215	M210b
76▼#	MSM510	1,2		MOS	3.6%	.80*	CMS	4	15	0.0	5.0	400nΔ			25u§		-20	70	2	G01274	M318a
77▼#	MSM512	1,2		MOS	3.6%	.80*	CMS	8	15	0.0	5.0	400nΔ			25u§		-20	70	1	G01275	M318a
78▼#	MSM514	1,2		MOS	3.6%	.80*	CMS	8	15	0.0	5.0	400nΔ			25u§		-20	70	1	G01276	M318a
79	MM4619AD	1,2		MOS	4.99%	.01*†	CMS	4		0.0	5.0	100n			500m	450mΔ	-55	125	4	G01273	M346a
80	MM4619AF	1,2		MOS	4.99%	.01*†	CMS	4		0.0	5.0	100n			500m	450mΔ	-55	125	4	G01273	M346a
81	MM5619AN	1,2		MOS	4.99%	.01*†	CMS	4		0.0	5.0	100n			500m	450mΔ	-40	85	4	G01273	M345
82	SW4019A	1,2		MOS	5.0	0.0	CMS	10	50	0.0	5.0	100n			200m		-40	85	1	G02190	M117z
83▼	TF4019AJ	1,2		MOS	7.1%	2.9*	CMS	10		0.0	10	170nΔ			6.0m%		-55	125	4	G01277	M153d
84▼	TF4019AN	1,2		MOS	7.1%	2.9*	CMS	10		0.0	10	170nΔ			6.0m%		-55	125	4	G01277	M117x
85▼	TF4519AJ#2	1,2		MOS	7.1%	2.9*	CMS			0.0	10	225nΔ			600u%		-55	125		K30139	M153d
86▼	TF4519AN#2	1,2		MOS	7.1%	2.9*	CMS			0.0	10	225nΔ			600u%		-55	125		K30139	M117x
87▼	TP4019AJ	1,2		MOS	7.1%	2.9*	CMS	10		0.0	10	220nΔ			14m%		-40	85	4	G01277	M153d
88▼	TP4019AN	1,2		MOS	7.1%	2.9*	CMS	10		0.0	10	220nΔ			14m%		-40	85	4	G01277	M117x
89▼	TP4519AJ#2	1,2		MOS	7.1%	2.9*	CMS			0.0	10	300nΔ			3.0m%		-40	85		K30139	M153d
90▼	TP4519AN#2	1,2		MOS	7.1%	2.9*	CMS			0.0	10	300nΔ			3.0m%		-40	85		K30139	M117x
91	CD4019AF	1,2		MOS	9.99%	.01*†	CMS	10		0.0	10	100nΔ			100u%	4.5 Δ	-55	125	4	G01215	Δ001AC
92	CD4037AF	1,2		MOS	9.99%	.01*†	CMS	3		0.0	10	180nΔ			100u%	4.5 Δ	-55	125	1	G01230	Δ001AB
93	HD1-4019A2	1,2		MOS	9.99%	.01*†	CMS			0.0	10	100nΔ	20n	20n†	100u%	4.5 Δ	-55	125	1	G01239	M200q
94	HD1-4019A9	1,2		MOS	9.99%	.01*†	CMS			0.0	10	125nΔ	20n	20n†	1.0m%	4.5 Δ	-40	85	1	G01239	M200q
95	HD9-4019A2	1,2		MOS	9.99%	.01*†	CMS			0.0	10	100nΔ	20n	20n†	100u%	4.5 Δ	-55	125	1	G01239	FP103
96	HD9-4019A9	1,2		MOS	9.99%	.01*†	CMS			0.0	10	125nΔ	20n	20n†	1.0m%	4.5 Δ	-40	85	1	G01239	FP103
97	SCL4019AC	1,2		MOS	9.99%	.01*†	CMS	10		0.0	10	120nΔ			100u%	4.5	-55	125	4	G01239	M475d
98	SCL4019AD	1,2		MOS	9.99%	.01*†	CMS	10		0.0	10	120nΔ			100u%	4.5	-55	125	4	G01239	M475e
99	SCL4019AE	1,2		MOS	9.99%	.01*†	CMS	10		0.0	10	120nΔ			100u%	4.5	-40	85	4	G01239	M475f
100	SCL4019AF	1,2		MOS	9.99%	.01*†	CMS	10		0.0	10	120nΔ			100u%	4.5	-55	125	4	G01239	FP111
101	SCL4019AH	1,2		MOS	9.99%	.01*†	CMS	10		0.0	10	120nΔ			100u%	4.5	-55	125	4	G01239	FC☑
102♦	CD4019AD	1,2		MOS	10	0.0†	CMS	10		0.0	10	100nΔ			100u%	4.5 Δ	-55	125	4	G01215	Δ001AE
103♦	CD4019AE	1,2		MOS	10	0.0†	CMS	10		0.0	10	125nΔ			1.0m%	4.5 Δ	-40	85	4	G01215	Δ001AC
104♦	CD4019AK	1,2		MOS	10	0.0†	CMS	10		0.0	10	100nΔ			100u%	4.5 Δ	-55	125	4	G01215	Δ004AG
105♦	CD4037AD	1,2		MOS	10	0.0†	CMS	3		0.0	10	180nΔ			200m	4.5 Δ	-55	125	1	G01230	Δ001AD
106♦	CD4037AE	1,2		MOS	10	0.0†	CMS	3		0.0	10	250nΔ			200m	4.5 Δ	-40	85	1	G01230	Δ001AB
107♦	CD4037AK	1,2		MOS	10	0.0†	CMS	3		0.0	10	180nΔ			200m	4.5 Δ	-55	125	1	G01230	Δ001AB
108	CM4037AD	1,2		MOS	10	0.0	CMS	5		0.0	10	180nΔ			200m	4.5 Δ	-55	125	1	G01230	Δ001AD
109	CM4037AE	1,2		MOS	10	0.0	CMS	5		0.0	10	250nΔ			200m	4.5 Δ	-40	85	1	G01230	Δ001AB
110#	HBC4019AD	1,2		MOS	10	0.0†	CMS	10		0.0	10	50n			100u%	4.5 Δ	-55	125	1	G01215	Δ001AE

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	HBC4019AF	1,2		MOS	10	0.0†	CMS	10		0.0	10	50n			100u%	4.5 Δ	-55	125	1	G01215	Δ001AE
2#	HBC4019AK	1,2		MOS	10	0.0†	CMS	10		0.0	10	50n			100u%	4.5 Δ	-55	125	1	G01215	Δ004AG
3#	HBC4037AD	1,2		MOS	10	0.0†	CMS	3		0.0	10	180nΔ			100u%	4.5 Δ	-55	125	1	G01230	Δ001AD
4#	HBC4037AF	1,2		MOS	10	0.0†	CMS	3		0.0	10	180nΔ			100u%	4.5 Δ	-55	125	1	G01230	Δ001AD
5#	HBC4037AK	1,2		MOS	10	0.0†	CMS	3		0.0	10	180nΔ			100u%	4.5 Δ	-55	125	1	G01230	Δ004AF
6#	HBF4019AE	1,2		MOS	10	0.0†	CMS	10		0.0	10	50n			1.0m%	4.5 Δ	-40	85	1	G01215	Δ001AC
7#	HBF4019AF	1,2		MOS	10	0.0†	CMS	10		0.0	10	50n			1.0m%	4.5 Δ	-40	85	1	G01215	Δ001AE
8#	HBF4037AE	1,2		MOS	10	0.0†	CMS	3		0.0	10	250nΔ			1.0m%	4.5 Δ	-40	85	1	G01230	Δ001AB
9#	HBF4037AF	1,2		MOS	10	0.0†	CMS	3		0.0	10	250nΔ			1.0m%	4.5 Δ	-40	85	1	G01230	Δ001AD
10	HD1W4019-9	1,2	10M	MOS	15	0.0	CMS	4		0.0	15	300nΔ			200m		-40	85	4	G02190	M200q
11	HD1W4019-2	1,2	10M	MOS	18	0.0	CMS	4		0.0	18	175nΔ			200m		-55	125	4	G02190	M200q
12	SW776-1P	1,2		MON	1.8%	1.2*	DTL	5	10	0.0	5.0	35n%			50mt	1.0 Δ	-55	125	2	G02125	TO116
13	SW776-2M	1,2		MON	1.9%	1.2*	DTL	5	12	0.0	5.0	35n%			50mt	800mΔ	0	75	2	G02125	M105n
14	SW776-2P	1,2		MON	1.9%	1.2*	DTL	5	12	0.0	5.0	35n%			50mt	800mΔ	0	75	2	G02125	TO116
15♦#	FZH151	1,2		MON	7.5%	4.5*	DTL	10	20	0.0	12	400nΔ	330nt	200nt	110m§	5.0 Δ	0	70	2	G01223	M117aa
16♦#	FZH155	1,2		MON	7.5%	4.5*	DTL	10	20	0.0	12	400nΔ	330nt	200nt	110m§	5.0 Δ	-25	85	2	G01223	M117aa
17♦#	H105D1	1,2		MON	8.0%	6.0*	DTL	5Δ	25	0.0	20	105nt			500m§	5.0 Δ	0	75	2	G01191	M294
18♦#	H105D2	1,2		MON	8.0%	6.0*	DTL	5Δ	25	0.0	16	105nt			278m§	5.0 Δ	-55	125	2	G01191	M294
19♦#	H105D6	1,2		MON	8.0%	6.0*	DTL	5Δ	25	0.0	16	105nt			278m§	5.0 Δ	-40	85	2	G01191	M443a
20♦#	H205B1	1,2		MON	8.0%	6.0*	DTL	5Δ	25	0.0	16	105nt			500m	5.0 Δ	0	75	2	G01191	M294
21	DM10118J	1,2		MON	-.96%	-1.6t*	ECT	11		5.2	0.0	3.4nΔ	4.0n	4.0n	100mt		-30	85	1	G02167	M200r
22	DM10119J	1,2		MON	-.96%	-1.6t*	ECT	12		5.2	0.0	3.4nΔ	4.0n	4.0n	100mt		-30	85	1	G02168	M200r
23	TG210F	1,2		MON	1.7%	1.1*	TTL	9Δ	15	0.0	7.0				22mt	1.0 Δ	-55	125	1	G03189b	FP21c
24	TG210J	1,2		MON	1.7%	1.1*	TTL	9Δ	15	0.0	7.0				22mt	1.0 Δ	-55	125	1	G03189b	TO116
25	TG211F	1,2		MON	1.7%	1.1*	TTL	9Δ	7	0.0	7.0				22mt	1.0 Δ	-55	125	1	G03189b	FP21c
26	TG211J	1,2		MON	1.7%	1.1*	TTL	9Δ	7	0.0	7.0				22mt	1.0 Δ	-55	125	1	G03189b	TO116
27	TG212F	1,2		MON	1.7%	1.1*	TTL	9Δ	15	0.0	7.0				22mt	1.0 Δ	0	75	1	G03189b	FP21c
28	TG212J	1,2		MON	1.7%	1.1*	TTL	9Δ	15	0.0	7.0				22mt	1.0 Δ	0	75	1	G03189b	TO116
29	TG213F	1,2		MON	1.7%	1.1*	TTL	9Δ	7	0.0	7.0				22mt	1.0 Δ	0	75	1	G03189b	FP21c
30	TG213J	1,2		MON	1.7%	1.1*	TTL	9Δ	7	0.0	7.0				22mt	1.0 Δ	0	75	1	G03189b	TO116
31	DM54H52J	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ			120m§		-55	125	1	G02124	M294b
32	DM54H52N	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ			120m§		-55	125	1	G02124	M344
33	DM74H52J	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ			120m§		0	70	1	G02124	M294b
34	DM74H52N	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ			120m§		0	70	1	G02124	M344
35#	FJH151-7450	1,2		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	11n%			28mt	1.0 Δ	0	70	2	G03174	M126f
36#	FJH161-7451	1,2		MON	2.0%	.80*	TTL	4	10	0.0	5.0	11n%			28mt	1.0 Δ	0	70	2	G03174a	M126f
37#	FJH171-7453	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	11n%			22mt	1.0 Δ	0	70	1	G01217	M126f
38#	FJH181-7454	1,2		MON	2.0%	.80*	TTL	8	10	0.0	5.0	11n%			22mt	1.0 Δ	0	70	1	G01218	M126f
39♦#	FLH151-7450	1,2		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ		4.0nt	70m§	1.0 Δ	0	70	2	G01170	M126p
40♦#	FLH161-7451	1,2		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ		4.0nt	70m§	1.0 Δ	0	70	2	G01170a	M126p
41	N74H52A	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	10n			155m§		0	70	1	G01198	M318
42	N74H52F	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	10n			155m§		0	70	1	G01198	M200x
43▼	N74S51A	1,2		MON	2.0%	.80*	TTL	4		0.0	5.0	5.5nΔ			110m§		0	70	2	G01240	M318
44▼	N74S51F	1,2		MON	2.0%	.80*	TTL	4		0.0	5.0	5.5nΔ			110m§		0	70	2	G01240	M257f
45▼	N74S64A	1,2		MON	2.0%	.80*	TTL	11	20	0.0	5.0	5.5nΔ			80m§	1.0 †	0	70	1	G01288a	M318
46▼	N74S64F	1,2		MON	2.0%	.80*	TTL	11	20	0.0	5.0	5.5nΔ			80m§	1.0 †	0	70	1	G01228a	M257f
47▼	N74S65A	1,2		MON	2.0%	.80*	TTL	11	10	0.0	5.0	7.5nΔ			80m§	1.0 †	0	70	1	G01228	M318
48▼	N74S65F	1,2		MON	2.0%	.80*	TTL	11	10	0.0	5.0	7.5nΔ			80m§	1.0 †	0	70	1	G01228	M257f
49♦	N7450A	1,2		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			70m§	1.0 †	0	70	2	G02170	M318
50▼	N7450F	1,2		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			70m§	1.0 †	0	70	2	G02170	M257f
51♦	N7451A	1,2		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			70m§	1.0 †	0	70	2	G02170	M318
52▼	N7451F	1,2		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			70m§	1.0 †	0	70	2	G02170	M257f
53♦	N7453A	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			47m§	1.0 †	0	70	1	G01211	M318
54▼	N7453F	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			47m§	1.0 †	0	70	1	G01211	M257f
55♦	N7454A	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			47m§	1.0 †	0	70	1	G01211	M318
56▼	N7454F	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			47m§	1.0 †	0	70	1	G01211	M257f
57	NC74H52N	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	7.0	15nΔ				1.0 Δ	0	70	1	G02124	M126
58	S54H52A	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	10n			155m§		-55	125	1	G01198	M318
59	S54H52F	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	10n			155m§		-55	125	1	G01198	M200x
60	S54H52W	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	10n			155m§		-55	125	1	G01198	FP39e
61▼	S54S51A	1,2		MON	2.0%	.80*	TTL	4		0.0	5.0	5.5nΔ			110m§		-55	125	2	G01240	M318
62▼	S54S51F	1,2		MON	2.0%	.80*	TTL	4		0.0	5.0	5.5nΔ			110m§		-55	125	2	G01240	M257f
63▼	S54S51W	1,2		MON	2.0%	.80*	TTL	4		0.0	5.0	5.5nΔ			110m§		-55	125	2	G01240	FP39e
64♦	S5450A	1,2		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			70m§	1.0 †	-55	125	2	G02170	M318
65▼	S5450F	1,2		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			70m§	1.0 †	-55	125	2	G02170	M257f
66▼	S5450W	1,2		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			70m§	1.0 †	-55	125	2	G02170a	FP39e
67♦	S5451A	1,2		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			70m§	1.0 †	-55	125	2	G02170	M318
68▼	S5451F	1,2		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			70m§	1.0 †	-55	125	2	G02170	M257f
69▼	S5451W	1,2		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			70m§	1.0 †	-55	125	2	G02170a	FP39e
70♦	S5453A	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			47m§	1.0 †	-55	125	1	G01211	M318
71▼	S5453F	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			47m§	1.0 †	-55	125	1	G01211	M257f
72▼	S5453W	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			47m§	1.0 †	-55	125	1	G01211b	FP39e
73♦	S5454A	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			47m§	1.0 †	-55	125	1	G01211	M318
74▼	S5454F	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			47m§	1.0 †	-55	125	1	G01211b	M257f
75▼	S5454W	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			47m§	1.0 †	-55	125	1	G01211b	FP39e
76	SN54H52J	1,2		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ				1.0 Δ	-55	125	1	G02124	M157b
77	SN54H52N	1,2		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ				1.0 Δ	-55	125	1	G02124	M126
78	SN54H52W	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ			90mt	1.0 Δ	-55	125	1	G02124	Δ004AA
79	SN74H52J	1,2		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ				1.0 Δ	0	70	1	G02124	M157b
80	SN74H52N	1,2		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ				1.0 Δ	0	70	1	G02124	M126e
81	SN74H52W	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ			90mt	1.0 Δ	0	70	1	G02124	TO84
82#	T74H52B1	1,2		MON	2.0%	.80*	TTL	10Δ		0.0	5.0				90m		0	70			
83#	T74H52D1	1,2		MON	2.0%	.80*	TTL	10Δ		0.0	5.0				90m		0	70			
84#	T74H52D2	1,2		MON	2.0%	.80*	TTL	10Δ		0.0	5.0				90m		-55	125			
85	US54H52A	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	-55	125	1	G02124	M105b
86	US54H52J	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	-55	125	1	G02124	TO88
87	US74H52A	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	0	70	1	G02124	M105b
88	US74H52J	1,2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	0	70	1	G02124	TO88
89	MC3031L,P%	1,2		MON	2.4%	.40*†	TTL	10Δ	10	0.0	5.0	10n%			87mt		0	75	1	G02124	TO116
90	MC3033F	1,2		MON	2.4%	.40*†	TTL	9	10	0.0	5.0	7.0n			40mt		0	75	1	G01211a	TO86
91	MC3120F	1,2		MON	2.4%	.40*†	TTL	6†	10	0.0	5.0	6.0n			62mt		-55	125	2	G01184	TO86
92	MC3123F	1,2		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	6.0n			62mt		-55	125	2	G01184	TO86
93	MC3131F	1,2		MON	2.4%	.40*†	TTL	9	10	0.0	5.0	10n			87mt		-55	125	1	G02124	TO86
94	MC3131L	1,2		MON	2.4%	.40*†	TTL	10Δ	10	0.0	5.0	10n%			87mt		-55	125	1	G02124	TO116
95	MC3133F	1,2		MON	2.4%	.40*†	TTL	9	10	0.0	5.0	7.0n			40mt		-55	125	1	G01211a	TO86
96	MC3020F	1,2		MON	2.5%	.40*†	TTL	6†	10	0.0	5.0	6.0n			62mt		0	75	2	G01184	TO86
97	MC3023F	1,2		MON	2.5%	.40*†	TTL	4	10	0.0	5.0	6.0n			62mt		0	75	2	G01184	TO86
98	MC3031F	1,2		MON	2.5%	.40*†	TTL	9	10	0.0	5.0	10n			87mt		0	75	1	G02124	TO86
99	RG3452D	1,2		MON	3.0%	.45*†	TTL	11	9†	0.0	5.0	10nΔ	3.0n	2.5n	40mt	1.1	0	75	1	G01216	M105m
100	RG3452K	1,2		MON	3.0%	.45*†	TTL	11	9†	0.0	5.0	10nΔ	3.0n	2.5n	40mt	1.1	0	75	1	G01216	FP21b
101	RG3450D	1,2		MON	3.1%	.40*†	TTL	11	11†	0.0	5.0	10nΔ	3.0n	2.5n	40mt	1.1	-55	125	1	G01216	M105m
102	RG3450K	1,2		MON	3.1%	.40*†	TTL	11	11†	0.0	5.0	10nΔ	3.0n	2.5n	40mt	1.1	-55	125	1	G01216	FP21b
103	SNG280J	1,2		MON	3.3	.26	TTL	5Δ	15†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	-55	125	2	G01157	M157b
104	SNG280W	1,2		MON	3.3	.26	TTL	5Δ	15†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	-55	125	2	G01157	Δ004AF
105	SNG281J	1,2		MON	3.3	.26	TTL	5Δ	7†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	-55	125	2	G01157	M157b
106	SNG281W	1,2		MON	3.3	.26	TTL	5Δ	7†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	-55	125	2	G01157	Δ004AF
107	SNG282J	1,2		MON	3.3	.26	TTL	5Δ	12†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	0	75	2	G01157	M157b
108	SNG282W	1,2		MON	3.3	.26	TTL	5Δ	12†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	0	75	2	G01157	Δ004AF
109	SNG283J	1,2		MON	3.3	.26	TTL	5Δ	6†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	0	75	2	G01157	M157b
110	SNG283W	1,2		MON	3.3	.26	TTL	5Δ	6†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	0	75	2	G01157	Δ004AF

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	TRWG280#1	1,2		MON	3.3	.26	TTL	5	15†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	-55	125	1	G01157	M157
2	TRWG280#2	1,2		MON	3.3	.26	TTL	5	15†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	-55	125	1	G01157	M126
3#	ZN5453E	1,2		MON	3.5	.20	TTL	10Δ	10	0.0	5.0	29n			10m	1.0	-55	125	1		M126
4#	ZN5453F	1,2		MON	3.5	.20	TTL	10Δ	10	0.0	5.0	29n			10m	1.0	-55	125	1		T086
5#	ZN5454E	1,2		MON	3.5	.20	TTL	8	10	0.0	5.0	29n			10m	1.0	-55	125	1		M126
6#	ZN5454F	1,2		MON	3.5	.20	TTL	8	10	0.0	5.0	29n			10m	1.0	-55	125	1		T086
7#	ZN7453E	1,2		MON	3.5	.20	TTL	10Δ	10	0.0	5.0	29n			10m	1.0	-55	125	1		M126
8#	ZN7453F	1,2		MON	3.5	.20	TTL	10Δ	10	0.0	5.0	29n			10m	1.0	-55	125	1		T086
9#	ZN7454E	1,2		MON	3.5	.20	TTL	8	10	0.0	5.0	29n			10m	1.0	-55	125	1		M126
10#	ZN7454F	1,2		MON	3.5	.20	TTL	8	10	0.0	5.0	29n			10m	1.0	-55	125	1		T086
11▼	JANM38510/05302AEA	1,2F		MOS	3.95%	.85	CMS	10		0.0	5.0	500nΔ			200m		-55	125	4	G01239	M393
12♦	JANM38510/05302AFA	1,2F		MOS	3.95%	.85	CMS	10		0.0	5.0	500nΔ			200m		-55	125	4	G01239	FP117
13▼	JANM38510/05302BEA	1,2F		MOS	3.95%	.85	CMS	10		0.0	5.0	500nΔ			200m		-55	125	4	G01239	M393
14♦	JANM38510/05302BFA	1,2F		MOS	3.95%	.85	CMS	10		0.0	5.0	500nΔ			200m		-55	125	4	G01239	FP117
15▼	JANM38510/05302CEA	1,2F		MOS	3.95%	.85	CMS	10		0.0	5.0	500nΔ			200m		-55	125	4	G01239	M393
16♦	JANM38510/05302CFA	1,2F		MOS	3.95%	.85	CMS	10		0.0	5.0	500nΔ			200m		-55	125	4	G01239	FP117
17♦	MC14506AL	1,2G		MOS	9.99%	.01*†	CMS	6		0.0	10	80n	75n	75n	100n%		-55	125	2	G01231	M191
18♦	MC14506CL	1,2G		MOS	9.99%	.01*†	CMS	6		0.0	10	80n	110n	110n	100n%		-40	85	2	G01231	M191
19♦	MC14506CP	1,2G		MOS	9.99%	.01*†	CMS	6		0.0	10	80n	110n	110n	100n%		-40	85	2	G01231	M278
20	DM10117J	1,2G		MON	-.96%	-1.6†*	ECT	9		5.2	0.0	2.3n	2.2nt	2.2nt	100mt		-30	85	1	G02166	M200r
21	DM10121J	1,2G		MON	-.96%	-1.6†*	ECT	11		5.2	0.0	2.3n	2.5nt	2.5nt	100mt		-30	85	1	G02184	M200r
22	10117B	1,2S	150M	MON	-.85	-1.7	ECT	5	10	5.2	0.0	2.3n	2.5nt	2.5nt	100mt	200m	-30	85	2	G01229	M256
23	10117F	1,2S	150M	MON	-.85	-1.7	ECT	5	10	5.2	0.0	2.3n	2.5nt	2.5nt	100mt	200m	-30	85	2	G01229	M153a
24	RSN54L57H	1,2S		MON	1.9%	.80*	TTL	11		0.0	5.0	90nΔ			4.9m%		-55	125	1	G01251	FP69b
25▼	TMAG3	1,3	20M	PCB	3.3	.22		8Δ	12	0.0	5.0	18n			55m	1.0	0	70	3		CB53
26	CD4085BH	1,3		MOS	9.99%	.01*†	CMS	5		0.0	10	200nΔ			200m	4.5 Δ	-55	125	2	G01263	FC☑
27	CD4086BH	1,3		MOS	9.99%	.01*†	CMS	10		0.0	10	200nΔ			200m	4.5 Δ	-55	125	1	G01264	FC☑
28	CD4085BD	1,3		MOS	10	0.0	CMS	5	2	0.0	10	200nΔ			200m	4.5 Δ	-55	125	2	G01263	Δ001AD
29	CD4085BE	1,3		MOS	10	0.0	CMS	5	2	0.0	10	200nΔ			200m	4.5 Δ	-40	85	2	G01263	Δ001AB
30	CD4085BF	1,3		MOS	10	0.0	CMS	5	2	0.0	10	200nΔ			200m	4.5 Δ	-55	125	2	G01263	Δ001AB
31	CD4085BK	1,3		MOS	10	0.0	CMS	5	2	0.0	10	200nΔ			200m	4.5 Δ	-55	125	2	G01263	Δ004AF
32	CD4086BD	1,3		MOS	10	0.0	CMS	10	1	0.0	10	200nΔ			200m	4.5 Δ	-55	125	1	G01264	Δ001AD
33	CD4086BE	1,3		MOS	10	0.0	CMS	10	1	0.0	10	200nΔ			200m	4.5 Δ	-40	85	1	G01264	Δ001AB
34	CD4086BF	1,3		MOS	10	0.0	CMS	10	1	0.0	10	200nΔ			200m	4.5 Δ	-55	125	1	G01264	Δ001AB
35	CD4086BK	1,3		MOS	10	0.0	CMS	10	1	0.0	10	200nΔ			200m	4.5 Δ	-55	125	1	G01264	Δ004AF
36	RG3210D	1,3		MON			DTL	8	11	0.0	5	5.5n			30mt	1.1	-55	125	1		M105m
37	RG3210K	1,3		MON			DTL	8	11	0.0	5	5.5n			30mt	1.1	-55	125	1		FP28
38	RG3212D	1,3		MON			DTL	8	9	0.0	5	5.5n			30mt	1.1	0	75	1		M105m
39	RG3212K	1,3		MON			DTL	8	9	0.0	5	5.5n			30mt	1.1	0	75	1		FP28
40	RG3230D	1,3		MON			DTL	10		0.0	5	2.0n			7.0mt	1.1	-55	125	1		M105m
41	RG3230K	1,3		MON			DTL	10		0.0	5	2.0n			7.0mt	1.1	-55	125	1		FP28
42	RG3232D	1,3		MON			DTL	10		0.0	5	2.0n			7.0mt	1.1	0	75	1		M105m
43	RG3232K	1,3		MON			DTL	10		0.0	5	2.0n			7.0mt	1.1	0	75	1		FP28
44	RG3250D	1,3		MON			DTL	9	11	0.0	5	6.0n			40mt	1.1	-55	125	1		M105m
45	RG3250K	1,3		MON			DTL	9	11	0.0	5	6.0n			40mt	1.1	-55	125	1		FP28
46	RG3252D	1,3		MON			DTL	9	9	0.0	5	6.0n			40mt	1.1	0	75	1		M105m
47	RG3252K	1,3		MON			DTL	9	9	0.0	5	6.0n			40mt	1.1	0	75	1		FP28
48	RG3270D	1,3		MON			DTL	4		0.0	5	1.0n			7.0mt	1.1	-55	125	1		M105m
49	RG3270K	1,3		MON			DTL	4		0.0	5	1.0n			7.0mt	1.1	-55	125	1		FP28
50	RG3272D	1,3		MON			DTL	4		0.0	5	1.0n			7.0mt	1.1	0	75	1		M105m
51	RG3272K	1,3		MON			DTL	4		0.0	5	1.0n			7.0mt	1.1	0	75	1		FP28
52	RG3300D	1,3		MON			DTL	9	11	0.0	5	6.0n			35mt	1.1	-55	125	1		M105m
53	RG3300K	1,3		MON			DTL	9	11	0.0	5	6.0n			35mt	1.1	-55	125	1		FP28
54	RG3302D	1,3		MON			DTL	9	9	0.0	5	6.0n			35mt	1.1	0	75	1		M105m
55	RG3302K	1,3		MON			DTL	9	9	0.0	5	6.0n			35mt	1.1	0	75	1		FP28
56	RG3310D	1,3		MON			DTL	4	11	0.0	5	5.5n			60mt	1.1	-55	125	2		M105m
57	RG3310K	1,3		MON			DTL	4	11	0.0	5	5.5n			60mt	1.1	-55	125	2		FP28
58	RG3312D	1,3		MON			DTL	4	9	0.0	5	5.5n			60mt	1.1	0	75	2		M105m
59	RG3312K	1,3		MON			DTL	4	9	0.0	5	5.5n			60mt	1.1	0	75	2		FP28
60	RG3440D	1,3		MON			DTL	4	11	0.0	5	5.5n			60mt	1.1	-55	125	2		M105m
61	RG3440K	1,3		MON			DTL	4	11	0.0	5	5.5n			60mt	1.1	-55	125	2		FP28
62	RG3442D	1,3		MON			DTL	4	9	0.0	5	5.5n			60mt	1.1	0	75	2		M105m
63	RG3442K	1,3		MON			DTL	4	9	0.0	5	5.5n			60mt	1.1	0	75	2		FP28
64	341AJ	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0.0	15	410nΔ			225mt	3.2	-30	70	2	G0590	M319
65	341AL	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0.0	15	410nΔ			225mt	3.2	-30	70	2	G0590	M200j
66	341BL	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0.0	12	410nΔ			132mt	3.5	-55	125	2	G0590	M200j
67	341CL	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0.0	12	410nΔ			132mt	3.5	-30	85	2	G0590	M200j
68	341ML	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0.0	15	410nΔ			225mt	3.2	-55	125	2	G0590	M200j
69	344AJ	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0.0	15	600nΔ			210mt	3.2	-30	70	2	G01235	M319
70	344AL	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0.0	15	600nΔ			210mt	3.2	-30	70	2	G01235	M200j
71	344BL	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0.0	12	600nΔ			120mt	3.5	-55	125	2	G01235	M200j
72	344CJ	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0.0	12	600nΔ			120mt	3.5	-30	85	2	G01235	M319
73	344CL	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0.0	12	600nΔ			120mt	3.5	-30	85	2	G01235	M200j
74	344ML	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0.0	15	600nΔ			210mt	3.2	-55	125	2	G01235	M200j
75♦	HEPC0912P-RT	1,3		MON	12.5%	1.5*†	DTL	5Δ	10	0.0	15	110n	200n	200n	160mt		-30	75	2	G01257	TO116
76	MC673L,P%	1,3		MON	12.5%	1.5*†	DTL	5Δ	10	0.0	15	110n	20n	20n	160mt		-30	75	2	G01191	TO116
77	MC674L,P%	1,3		MON	12.5%	1.5*†	DTL	5Δ	10	0.0	15	125n	20n	20n	160mt		-30	75	2	G01192	TO116
78#	T105D2	1,3		MON	1.4%	.90*	TTL	6†	10	0.0	5.0	15nΔ			22mt	1.0 Δ	-55	125	2	G03248	M294
79#	T105F2	1,3		MON	1.4%	.90*	TTL	6†	10	0.0	5.0	15nΔ			22mt	1.0 Δ	-55	125	2	G03248	FP28g
80#	T108D2	1,3		MON	1.4%	.90*	TTL	11Δ	10	0.0	5.0	15nΔ			11mt	1.0 Δ	-55	125	1	G03249	M294
81#	T108F2	1,3		MON	1.4%	.90*	TTL	11Δ	10	0.0	5.0	15nΔ			11mt	1.0 Δ	-55	125	1	G03249	FP28g
82#	T115D2	1,3		MON	1.4%	.90*	TTL	4	10	0.0	5.0	15nΔ			22mt	1.0 Δ	-55	125	2	G03248a	M294
83#	T115F2	1,3		MON	1.4%	.90*	TTL	4	10	0.0	5.0	15nΔ			22mt	1.0 Δ	-55	125	2	G03248a	FP28g
84	DM9005CJ	1,3		MON	1.6%	.85*	TTL	6†		0.0	5.0	15nΔ			136mṡ		0	75	2	G01184	M294b
85	DM9005CN	1,3		MON	1.6%	.85*	TTL	6†		0.0	5.0	15nΔ			136mṡ		0	75	2	G01184	M344
86	DM9008CJ	1,3		MON	1.6%	.85*	TTL	11Δ		0.0	5.0	15nΔ			88mṡ		0	75	1	G01211	M294b
87	DM9008CN	1,3		MON	1.6%	.85*	TTL	11Δ		0.0	5.0	15nΔ			88mṡ		0	75	1	G01211	M344
88#	T105B1	1,3		MON	1.6%	.85*	TTL	6†	10	0.0	5.0	18nΔ			22mt	1.0 Δ	0	75	2	G03248	M126u
89#	T105D1	1,3		MON	1.6%	.85*	TTL	6†	10	0.0	5.0	18nΔ			22mt	1.0 Δ	0	75	2	G03248	M294
90#	T105F1	1,3		MON	1.6%	.85*	TTL	6†	10	0.0	5.0	18nΔ			22mt	1.0 Δ	0	75	2	G03248	FP28g
91#	T108B1	1,3		MON	1.6%	.85*	TTL	11Δ	10	0.0	5.0	18nΔ			11mt	1.0 Δ	0	75	1	G03249	M126u
92#	T108D1	1,3		MON	1.6%	.85*	TTL	11Δ	10	0.0	5.0	18nΔ			11mt	1.0 Δ	0	75	1	G03249	M294
93#	T108F1	1,3		MON	1.6%	.85*	TTL	11Δ	10	0.0	5.0	18nΔ			11mt	1.0 Δ	0	75	1	G03249	FP28g
94#	T115B1	1,3		MON	1.6%	.85*	TTL	4	10	0.0	5.0	18nΔ			22mt	1.0 Δ	0	75	2	G03248a	M126u
95#	T115D1	1,3		MON	1.6%	.85*	TTL	4	10	0.0	5.0	18nΔ			22mt	1.0 Δ	0	75	2	G03248a	M294
96#	T115F1	1,3		MON	1.6%	.85*	TTL	4	10	0.0	5.0	18nΔ			22mt	1.0 Δ	0	75	2	G03248a	FP28g
97	TG250F	1,3		MON	1.7%	1.1*	TTL	10Δ	15	0.0	7.0				22mt	1.0 Δ	-55	125	1	G03204	FP21c
98	TG250J	1,3		MON	1.7%	1.1*	TTL	10Δ	15	0.0	7.0				22mt	1.0 Δ	-55	125	1	G03204	TO116
99	TG251F	1,3		MON	1.7%	1.1*	TTL	10Δ	7	0.0	7.0				22mt	1.0 Δ	-55	125	1	G03204	FP21c
100	TG251J	1,3		MON	1.7%	1.1*	TTL	10Δ	7	0.0	7.0				22mt	1.0 Δ	-55	125	1	G03204	TO116
101	TG252F	1,3		MON	1.7%	1.1*	TTL	10Δ	15	0.0	7.0				22mt	1.0 Δ	0	75	1	G03204	FP21c
102	TG252J	1,3		MON	1.7%	1.1*	TTL	10Δ	15	0.0	7.0				22mt	1.0 Δ	0	75	1	G03204	TO116
103	TG253F	1,3		MON	1.7%	1.1*	TTL	10Δ	7	0.0	7.0				22mt	1.0 Δ	0	75	1	G03204	FP21c

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	TG253J	1,3		MON	1.7%	1.1*	TTL	10Δ	7	0.0	7.0				22mt	1.0 Δ	0	75	1	G03204	TO116
2	TG110F	1,3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ			20mt	1.1 Δ	-55	125	1	G02191	TO86
3	TG110J	1,3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ			20mt	1.1 Δ	-55	125	1	G02191	M157c
4	TG111F	1,3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ			20mt	1.1 Δ	-55	125	1	G02191	TO86
5	TG111J	1,3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ			20mt	1.1 Δ	-55	125	1	G02191	M157c
6	TG112F	1,3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ			20mt	1.1 Δ	-55	125	1	G02191	TO86
7	TG112J	1,3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ			20mt	1.1 Δ	-55	125	1	G02191	M157c
8	TG113F	1,3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ			20mt	1.1 Δ	-55	125	1	G02191	TO86
9	TG113J	1,3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ			20mt	1.1 Δ	-55	125	1	G02191	M157c
10	SN29005J	1,3		MON	1.8%	.85*	TTL	6†		0.0	5.0	15nΔ			68n%		0	75	2	G03174	M157b
11	SN29005N	1,3		MON	1.8%	.85*	TTL	6†		0.0	5.0	15nΔ			68n%		0	75	2	G03174	M126e
12	SN29008J	1,3		MON	1.8%	.85*	TTL	9		0.0	5.0	15nΔ			47m%		0	75	1		M157b
13	SN29008N	1,3		MON	1.8%	.85*	TTL	9		0.0	5.0	15nΔ			47m%		0	75	1		M126e
14	DM54L51F	1,3		MON	2.0%	.70*	TTL	6†	20	0.0	5.0	90nΔ			2.0mt		-55	125	2	G01259	FP87a
15	DM54L51J	1,3		MON	2.0%	.70*	TTL	6†	20	0.0	5.0	90nΔ			2.0mt		-55	125	2	G01259	M294b
16	DM54L51N	1,3		MON	2.0%	.70*	TTL	6†	20	0.0	5.0	90nΔ			2.0mt		-55	125	2	G01259	M344
17	DM54L54F	1,3		MON	2.0%	.70*	TTL	10	20	0.0	5.0	90nΔ			1.0mt		-55	125	1	G03107g	FP87a
18	DM54L54J	1,3		MON	2.0%	.70*	TTL	10	20	0.0	5.0	90nΔ			1.0mt		-55	125	1	G03107g	M294b
19	DM54L54N	1,3		MON	2.0%	.70*	TTL	10	20	0.0	5.0	90nΔ			1.0mt		-55	125	1	G03107g	M344
20	DM54L55F	1,3		MON	2.0%	.70*	TTL	8	20	0.0	5.0	90nΔ			1.0mt		-55	125	1	G01259a	FP87a
21	DM54L55J	1,3		MON	2.0%	.70*	TTL	8	20	0.0	5.0	90nΔ			1.0mt		-55	125	1	G01259a	M294b
22	DM54L55N	1,3		MON	2.0%	.70*	TTL	8	20	0.0	5.0	90nΔ			1.0mt		-55	125	1	G01259a	M344
23	DM74L51F	1,3		MON	2.0%	.70*	TTL	6†	20	0.0	5.0	90nΔ			2.0mt		-55	125	2	G01259	FP87a
24	DM74L51J	1,3		MON	2.0%	.70*	TTL	6†	20	0.0	5.0	90nΔ			2.0mt		-55	125	2	G01259	M294b
25	DM74L51N	1,3		MON	2.0%	.70*	TTL	6†	20	0.0	5.0	90nΔ			2.0mt		-55	125	2	G01259	M344
26	DM74L54F	1,3		MON	2.0%	.70*	TTL	10	20	0.0	5.0	90nΔ			1.0mt		0	70	1	G03107g	FP87a
27	DM74L54J	1,3		MON	2.0%	.70*	TTL	10	20	0.0	5.0	90nΔ			1.0mt		0	70	1	G03107g	M294b
28	DM74L54N	1,3		MON	2.0%	.70*	TTL	10	20	0.0	5.0	90nΔ			1.0mt		0	70	1	G03107g	M344
29	DM74L55F	1,3		MON	2.0%	.70*	TTL	8	20	0.0	5.0	90nΔ			1.0mt		0	70	1	G01259a	FP87a
30	DM74L55J	1,3		MON	2.0%	.70*	TTL	8	20	0.0	5.0	90nΔ			1.0mt		0	70	1	G01259a	M294b
31	DM74L55N	1,3		MON	2.0%	.70*	TTL	8	20	0.0	5.0	90nΔ			1.0mt		0	70	1	G01259a	M344
32#	SFC451LE	1,3		MON	2.0%	.70*	TTL	4	10	0.0	5.0	90nΔ				1.0mt	0	70	2	G03175b	TO116
33#	SFC451LEM	1,3		MON	2.0%	.70*	TTL	4	10	0.0	5.0	90nΔ				1.0mt	-55	125	2	G03175b	TO116
34#	SFC454LE	1,3		MON	2.0%	.70*	TTL	10	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	0	70	1	G03175d	TO116
35#	SFC454LEM	1,3		MON	2.0%	.70*	TTL	10	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	-55	125	1	G03175d	TO116
36	SN54L51J	1,3		MON	2.0%	.70*	TTL	6†	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	-55	125	2	G03175b	M157b
37	SN54L51T	1,3		MON	2.0%	.70*	TTL	6†	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	-55	125	2	G03175b	FP52e
38	SN54L54J	1,3		MON	2.0%	.70*	TTL	10	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	-55	125	1	G03175d	M157b
39	SN54L54T	1,3		MON	2.0%	.70*	TTL	10	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	-55	125	1	G03175d	FP52e
40	SN54L55J	1,3		MON	2.0%	.70*	TTL	8	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	-55	125	1	G03175c	M157b
41	SN54L55T	1,3		MON	2.0%	.70*	TTL	8	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	-55	125	1	G03175c	FP52e
42▼	SN54LS51J	1,3		MON	2.0%	.70*	TTL	6†	11	0.0	5.0	20nΔ			14m	1.0 *	-55	125	2	G01269	M157b
43▼	SN54LS51W	1,3		MON	2.0%	.70*	TTL	6†	11	0.0	5.0	20nΔ			14m	1.0 *	-55	125	2	G01269	FP97a
44▼	SN54LS54J	1,3		MON	2.0%	.70*	TTL	10	11	0.0	5.0	25nΔ			10m	1.0 *	-55	125	1		M157b
45▼	SN54LS54W	1,3		MON	2.0%	.70*	TTL	10	11	0.0	5.0	25nΔ			10m	1.0 *	-55	125	1		FP97a
46▼	SN54LS55J	1,3		MON	2.0%	.70*	TTL	6	11	0.0	5.0	20nΔ			6.5m	1.0 *	-55	125	1	G01278	M157b
47▼	SN54LS55W	1,3		MON	2.0%	.70*	TTL	6	11	0.0	5.0	20nΔ			6.5m	1.0 *	-55	125	1	G01278	FP97a
48	SN74L51J	1,3		MON	2.0%	.70*	TTL	6†	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	0	70	2	G03175b	M157b
49	SN74L51N	1,3		MON	2.0%	.70*	TTL	6†	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	0	70	2	G03175b	M126e
50	SN74L54J	1,3		MON	2.0%	.70*	TTL	10	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	0	70	1	G03175d	M157b
51	SN74L54N	1,3		MON	2.0%	.70*	TTL	10	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	0	70	1	G03175d	M126e
52	SN74L55J	1,3		MON	2.0%	.70*	TTL	8	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	0	70	1	G03175c	M157b
53	SN74L55N	1,3		MON	2.0%	.70*	TTL	8	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	0	70	1	G03175c	M126e
54	DM54H50J	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	11nΔ			120mŞ		-55	125	2	G03174	M294b
55	DM54H50N	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	11nΔ			120mŞ		-55	125	2	G03174	M344
56	DM54H51J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	11nΔ			120mŞ		-55	125	2	G03174	M294b
57	DM54H51N	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	11nΔ			120mŞ		-55	125	2	G03174	M344
58	DM54H53J	1,3		MON	2.0%	.80*	TTL	11Δ	10	0.0	5.0	11nΔ			70mŞ		-55	125	1	G03175a	M294b
59	DM54H53N	1,3		MON	2.0%	.80*	TTL	11Δ	10	0.0	5.0	11nΔ			70mŞ		-55	125	1	G03175a	M344
60	DM54H54J	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	11nΔ			70mŞ		-55	125	1	G03175a	M294b
61	DM54H54N	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	11nΔ			70mŞ		-55	125	1	G03175a	M344
62	DM54H55J	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	11nΔ			60mŞ		-55	125	1	G03214b	M294b
63	DM54H55N	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	11nΔ			60mŞ		-55	125	1	G03214b	M344
64	DM74H50J	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	11nΔ			120mŞ		0	70	2	G03174	M294b
65	DM74H50N	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	11nΔ			120mŞ		0	70	2	G03174	M344
66	DM74H51J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	11nΔ			120mŞ		0	70	2	G03174	M294b
67	DM74H51N	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	11nΔ			120mŞ		0	70	2	G03174	M344
68	DM74H53J	1,3		MON	2.0%	.80*	TTL	11Δ	10	0.0	5.0	11nΔ			70mŞ		0	70	1	G03175a	M294b
69	DM74H53N	1,3		MON	2.0%	.80*	TTL	11Δ	10	0.0	5.0	11nΔ			70mŞ		0	70	1	G03175a	M344
70	DM74H54J	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	11nΔ			70mŞ		0	70	1	G03175a	M294b
71	DM74H54N	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	11nΔ			70mŞ		0	70	1	G03175a	M344
72	DM74H55J	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	11nΔ			60mŞ		0	70	1	G03214b	M294b
73	DM74H55N	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	11nΔ			60mŞ		0	70	1	G03214b	M344
74	DM74S64N	1,3		MON	2.0%	.80*	TTL	11	10	0.0	5.0	5.5nΔ			39mt		0	70	1	G01228a	M344
75	DM74S65N	1,3		MON	2.0%	.80*	TTL	11	10	0.0	5.0	8.5nΔ			36mt		0	70	1	G01228	M344
76	DM5450J	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	34nΔ			28mŞ	400m	-55	125	2	G03174	M294b
77	DM5450N	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	34nΔ			28mt	400m	-55	125	2	G03174	M344
78	DM5450W	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	34nΔ			28mt	400m	-55	125	2	G03174	FP97a
79	DM5451J	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	34nΔ			28mt	400m	-55	125	2	G03174	M294b
80	DM5451N	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	34nΔ			28mt	400m	-55	125	2	G03174	M344
81	DM5451W	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	34nΔ			28mt	400m	-55	125	2	G03174	FP97a
82	DM5453J	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	34nΔ			14mt	400m	-55	125	1	G03175a	M294b
83	DM5453N	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	34nΔ			14mt	400m	-55	125	1	G03175a	M344
84	DM5453W	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	34nΔ			14mt	400m	-55	125	1	G03175a	FP97a
85	DM5454J	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	34nΔ			14mt	400m	-55	125	1	G03175a	M294b
86	DM5454N	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	34nΔ			14mt	400m	-55	125	1	G03175a	M344
87	DM5454W	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	34nΔ			14mt	400m	-55	125	1	G03175a	FP97a
88	DM7450J	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	34nΔ			28mt	400m	0	70	2	G03174	M294b
89	DM7450N	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	34nΔ			28mt	400m	0	70	2	G03174	M344
90	DM7451J	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	34nΔ			28mt	400m	0	70	2	G03174	M294b
91	DM7451N	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	34nΔ			28mt	400m	0	70	2	G03174	M344
92	DM7453J	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	34nΔ			14mt	400m	0	70	1	G03175a	M294b
93	DM7453N	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	34nΔ			14mt	400m	0	70	1	G03175a	M344
94	DM7454J	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	34nΔ			14mt	400m	0	70	1	G03175a	M294b
95	DM7454N	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	34nΔ			14mt	400m	0	70	1	G03175a	M344
96♦#	FLH155-8450	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ		4.0nt	70mŞ	1.0 Δ	-25	85	2	G01170	M126p
97♦#	FLH165-8451	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ		4.0nt	70mŞ	1.0 Δ	-25	85	2	G01170a	M126p
98♦#	FLH171-7453	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ		4.0nt	47mŞ	1.0 Δ	0	70	1	G01171	M126p
99♦#	FLH175-8453	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ		4.0nt	47mŞ	1.0 Δ	-25	85	1	G01171	M126p
100♦#	FLH181-7454	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ		4.0nt	47mŞ	1.0 Δ	0	70	1	G01171a	M126p
101♦#	FLH185-8454	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ		4.0nt	47mŞ	1.0 Δ	-25	85	1	G01171a	M126p
102▼#	GFB7450	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	13n			28mt	400m	0	70	2	G03174	TO116
103▼#	GFB7451	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n			28mt	400m	0	70	2	G01203	TO116
104▼#	GFB7453	1,3		MON	2.0%	.80*	TTL	8†	10	0.0	5.0	13n			28mt	400m	0	70	2	G01204	TO116
105▼#	GFB7454	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	13n			28mt	400m	0	70	2	G01205	TO116
106▼#	GJB74H50P	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	13n			28mt	400m	0	70	2	G03174	TO116
107▼#	GJB74H51P	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n			28mt	400m	0	70	2	G01203	TO116
108▼#	GJB74H53P	1,3		MON	2.0%	.80*	TTL	11†	10	0.0	5.0	13n			28mt	400m	0	70	2	G01204	TO116
109▼#	GJB74H54P	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			28mt	400m	0	70	2	G01205	TO116
110#	GTB74S64P	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	3.0nt			19mt	1.0 Δ	0	70	1	G01228a	M126n

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ.(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	M5352P	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	7.0	13n%			14mt	1.0 Δ	0	75	2	G03218	M105j
2	JANM38510/00501BAA	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	FP115
3	JANM38510/00501BAB	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	FP115
4	JANM38510/00501BAC	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	FP115
5	JANM38510/00501BCA	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	M314
6	JANM38510/00501BCB	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	M314
7	JANM38510/00501BCC	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	M314
8	JANM38510/00501BDB	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	FP116
9	JANM38510/00501CAA	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	FP115
10	JANM38510/00501CAB	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	FP115
11	JANM38510/00501CAC	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	FP115
12	JANM38510/00501CCA	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	M314
13	JANM38510/00501CCB	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	M314
14	JANM38510/00501CCC	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	M314
15	JANM38510/00501CDB	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	FP116
16	JANM38510/00502BAA	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	FP115
17	JANM38510/00502BAB	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	FP115
18	JANM38510/00502BAC	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	FP115
19	JANM38510/00502BCA	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	M314
20	JANM38510/00502BCB	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	M314
21	JANM38510/00502BCC	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	M314
22	JANM38510/00502BDB	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	FP116
23	JANM38510/00502BDC	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	FP116
24	JANM38510/00502CAA	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	FP115
25	JANM38510/00502CAB	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	FP115
26	JANM38510/00502CAC	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	M314
27	JANM38510/00502CCA	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	M314
28	JANM38510/00502CCB	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	FP116
29	JANM38510/00502CCC	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	FP116
30	JANM38510/00502CDB	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	FP115
31	JANM38510/00502CDC	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27nΔ			102m		-55	125	2	G01245	FP115
32	JANM38510/00503BAA	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	FP115
33	JANM38510/00503BAB	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	FP115
34	JANM38510/00503BAC	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	FP115
35	JANM38510/00503BCA	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	M314
36	JANM38510/00503BCB	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	M314
37	JANM38510/00503BCC	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	M314
38	JANM38510/00503BDB	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	FP116
39	JANM38510/00503BDC	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	FP116
40	JANM38510/00503CAA	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	FP115
41	JANM38510/00503CAB	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	FP115
42	JANM38510/00503CAC	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	M314
43	JANM38510/00503CCA	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	M314
44	JANM38510/00503CCB	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	M314
45	JANM38510/00503CCC	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	FP116
46	JANM38510/00503CDB	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	FP116
47	JANM38510/00503CDC	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	FP115
48	JANM38510/00504BAA	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	FP115
49	JANM38510/00504BAB	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	M314
50	JANM38510/00504BAC	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	M314
51	JANM38510/00504BCA	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	FP116
52	JANM38510/00504BCB	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	FP116
53	JANM38510/00504BCC	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	FP116
54	JANM38510/00504BDB	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	FP116
55	JANM38510/00504BDC	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	FP116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/00504CAA	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	FP115
2	JANM38510/00504CAB	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	FP115
3	JANM38510/00504CAC	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	M314
4	JANM38510/00504CCA	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	M314
5	JANM38510/00504CCB	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	M314
6	JANM38510/00504CCC	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	M314
7	JANM38510/00504CDB	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5				68m		-55	125	1	G01247	FP116
8	JANM38510/00504CDC	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	27nΔ			68m		-55	125	1	G01247	M314
9	JANM38510/04001BCB	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.5	26nΔ			140m		-55	125	2	G02170	M314
10	JANM38510/04001BDB	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.5	26nΔ			140m		-55	125	2	G02170a	FP116
11	JANM38510/04001CCB	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.5	26nΔ			140m		-55	125	2	G02170	M314
12	JANM38510/04001CDB	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.5	26nΔ			140m		-55	125	2	G02170a	FP116
13	JANM38510/04002BCB	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	18nΔ			140m		-55	125	2	G01240	M314
14	JANM38510/04002BDB	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	18nΔ			140m		-55	125	2	G01240a	FP116
15	JANM38510/04002CCB	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	18nΔ			140m		-55	125	2	G01240	M314
16	JANM38510/04002CDB	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.5	18nΔ			140m		-55	125	2	G01240a	FP116
17	JANM38510/04003BCB	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	26nΔ			140m		-55	125	1	G01211	M314
18	JANM38510/04003BDB	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	26nΔ			140m		-55	125	1	G01211b	FP116
19	JANM38510/04003CCB	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	26nΔ			140m		-55	125	1	G01211	M314
20	JANM38510/04003CDB	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	20nΔ			140m		-55	125	1	G02201	FP116
21	JANM38510/04004BCB	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			140m		-55	125	1	G02202	M314
22	JANM38510/04004BDB	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			140m		-55	125	1	G02201	FP116
23	JANM38510/04004CCB	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			140m		-55	125	1	G02202	M314
24	JANM38510/04004CDB	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			140m		-55	125	1	G02201	FP116
25	JANM38510/04005BCB	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	26nΔ			75m		-55	125	1	G01241	M314
26	JANM38510/04005BDB	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	26nΔ			75m		-55	125	1	G01241a	FP116
27	JANM38510/04005CCB	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	26nΔ			75m		-55	125	1	G01241	M314
28	JANM38510/04005CCC	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	20nΔ			75m		-55	125	1	G01241	M314
29	JANM38510/04005CDB	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.5	26nΔ			75m		-55	125	1	G01241a	FP116
30#	M53250P	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	7.0	13n%			14mt	1.0 Δ	0	75	2	G03236	M105j
31#	M53253P	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	7.0	13n%			22mt	1.0 Δ	0	75	1	G03175	M105j
32#	MIC74H50J	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	7.0	10nΔ				1.0 Δ	0	75	2	G03214	M157
33#	MIC74H51J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	7.0	10nΔ				1.0 Δ	0	75	2	G03214a	M157
34#	MIC74H53J	1,3		MON	2.0%	.80*	TTL	11†	10	0.0	7.0	10nΔ				1.0 Δ	0	75	1	G03215	M157
35#	MIC74H54J	1,3		MON	2.0%	.80*	TTL	9	10	0.0	7.0	10nΔ				1.0 Δ	0	75	1	G03215a	M157
36#	MIC74H55J	1,3		MON	2.0%	.80*	TTL	10†	10	0.0	5.0	10nΔ				1.0 Δ	0	75	1	G03214b	TO116
37♦#	MIC5450J	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ			29mt	400m	-55	125	2	G03248	TO116
38♦#	MIC5451J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			29mt	400m	-55	125	2	G03248a	TO116
39♦#	MIC5453J	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			23mt	400m	-55	125	1	G03249	TO116
40♦#	MIC5454J	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			23mt	400m	-55	125	1	G03249a	TO116
41#	MIC6450J	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ			29mt	400m	-40	85	2	G01193a	TO116
42#	MIC6451J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			29mt	400m	-40	85	2	G01193c	TO116
43#	MIC6453J	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			23mt	400m	-40	85	1	G01194a	TO116
44#	MIC6454J	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			23mt	400m	-40	85	1	G01194c	TO116
45♦#	MIC7450J	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ			29mt	400m	0	75	2	G03248	TO116
46♦#	MIC7450N	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ			29mt	400m	0	75	2	G03248	M126x
47♦#	MIC7451J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			29mt	400m	0	75	2	G03248a	TO116
48♦#	MIC7451N	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			29mt	400m	0	75	2	G03248a	M126x
49♦#	MIC7453J	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			23mt	400m	0	75	1	G03249	TO116
50♦#	MIC7453N	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			23mt	400m	0	75	1	G03249	M126x
51♦#	MIC7454J	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			23mt	400m	0	75	1	G03249a	TO116
52♦#	MIC7454N	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			23mt	400m	0	75	1	G03249a	M126x
53	N74H50A	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	6.8n			120m§		0	70	2	G03269b	M318
54	N74H50F	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	6.8n			120m§		0	70	2	G03269b	M200x
55	N74H51A	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	6.8n			120m§		0	70	2	G03269d	M318
56	N74H51F	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	6.8n			120m§		0	70	2	G03269d	M200x
57	N74H53A	1,3		MON	2.0%	.80*	TTL	11Δ	10	0.0	5.0	7.0n			70m§		0	70	1	G03268	M318
58	N74H53F	1,3		MON	2.0%	.80*	TTL	11Δ	10	0.0	5.0	7.0n			70m§		0	70	1	G03268	M200x
59	N74H54A	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	7.0n			70m§		0	70	1	G03268b	M318
60	N74H54F	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	7.0n			70m§		0	70	1	G03268b	M200x
61	N74H55A	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	7.0n			60m§		0	70	1	G03269	M318
62	N74H55F	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	7.0n			60m§		0	70	1	G03269	M200x
63	N74LS51A	1,3		MON	2.0%	.80*	TTL	6†	20	0.0	5.0	12n			7mΔ		0	70	2	G01269	M318
64	N74LS51F	1,3		MON	2.0%	.80*	TTL	6†	20	0.0	5.0	12n			7mΔ		0	70	2	G01269	M235a
65	N74LS54A	1,3		MON	2.0%	.80*	TTL	10	10	0.0	5.0	12n			4.5mt		0	70	1	G01270	M318
66	N74LS54F	1,3		MON	2.0%	.80*	TTL	10	10	0.0	5.0	12n			4.5mt		0	70	1	G01270	M235a
67	N74LS55A	1,3		MON	2.0%	.80*	TTL	8		0.0	5.0	12n			2.7mΔ		0	70	1	G01271	M318
68	N74LS55F	1,3		MON	2.0%	.80*	TTL	8		0.0	5.0	12n			2.7mΔ		0	70	1	G01271	M235a
69	NC74H50N	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	7.0	10nΔ				1.0 Δ	0	70	2	G03214	M126
70	NC74H51N	1,3		MON	2.0%	.80*	TTL	4	10	0.0	7.0	10nΔ				1.0 Δ	0	70	2	G03214a	M126
71	NC74H53N	1,3		MON	2.0%	.80*	TTL	11†	10	0.0	7.0	10nΔ				1.0 Δ	0	70	1	G03215	M126
72	NC74H54N	1,3		MON	2.0%	.80*	TTL	9	10	0.0	7.0	10nΔ				1.0 Δ	0	70	1	G03215a	M126
73	NC74H55N	1,3		MON	2.0%	.80*	TTL	10†	10	0.0	7.0	10nΔ				1.0 Δ	0	70	1	G03214b	M126
74	NC7450N	1,3		MON	2.0%	.80*	TTL	4	10	0.0	7.0	13n%			14mΔ	1.0	0	70	2		TO116
75	NC7451N	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			40mt	1.0 Δ	0	70	2	G03174a	M126
76	NC7453N	1,3		MON	2.0%	.80*	TTL	9	10	0.0	7.0	13n%			14mΔ	1.0	0	70	2		TO116
77	NC7454N	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22n%			14mt	1.0	0	70	1	G03175a	M126
78	RSN54H56H	1,3		MON	2.0%	.80*	TTL	6		0.0	5.0	15nΔ			125m%		-55	125	2	G01250	FP69b
79	RSN54H57H	1,3		MON	2.0%	.80*	TTL	11		0.0	5.0	15nΔ			80m%		-55	125	1	G01251	FP69b
80	RSN54H58H	1,3		MON	2.0%	.80*	TTL	8		0.0	5.0	15nΔ			65m%		-55	125	1	G01250a	FP69b
81	RSN5456H	1,3		MON	2.0%	.80*	TTL	6		0.0	5.0	20nΔ			70m%		-55	125	2	G01250	FP69b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	RSN5457H	1,3		MON	2.0%	.80*	TTL	11		0.0	5.0	20nΔ			50m%		-55	125	1	G01251	FP69b
2	RSN5458H	1,3		MON	2.0%	.80*	TTL	8		0.0	5.0	20nΔ			35m%		-55	125	1	G01250a	FP69b
3	S54H50A	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	6.8n			120m§		-55	125	2	G03269b	M318
4	S54H50F	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	6.8n			120m§		-55	125	2	G03269b	M200x
5	S54H50W	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	6.8n			120m§		-55	125	2	G03269c	FP39e
6	S54H51A	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	6.8n			120m§		-55	125	2	G03269d	M318
7	S54H51F	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	6.8n			120m§		-55	125	2	G03269d	M200x
8	S54H51W	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	6.8n			120m§		-55	125	2	G03269e	FP39e
9	S54H53A	1,3		MON	2.0%	.80*	TTL	11Δ	10	0.0	5.0	7.0n			70m§		-55	125	1	G03268	M318
10	S54H53F	1,3		MON	2.0%	.80*	TTL	11Δ	10	0.0	5.0	7.0n			70m§		-55	125	1	G03268	M200x
11	S54H53W	1,3		MON	2.0%	.80*	TTL	11Δ	10	0.0	5.0	7.0n			70m§		-55	125	1	G03268a	FP39e
12	S54H54A	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	7.0n			70m§		-55	125	1	G03268b	M318
13	S54H54F	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	7.0n			70m§		-55	125	1	G03268b	M200x
14	S54H54W	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	7.0n			70m§		-55	125	1	G03268c	FP39e
15	S54H55A	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	7.0n			60m§		-55	125	1	G03269	M318
16	S54H55F	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	7.0n			60m§		-55	125	1	G03269	M200x
17	S54H55W	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	7.0n			60m§		-55	125	1	G03269a	FP39e
18#	SFC450EM	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			14mΔ	1.0	-55	125	2	G03174	TO116
19#	SFC451EM	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			40m†	1.0 Δ	-55	125	2	G03174a	TO116
20#	SFC451ET	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			40m†	1.0 Δ	-25	85	2	G03174a	TO116
21#	SFC451HE	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ				1.0 Δ	0	70	2	G03214a	TO116
22#	SFC451HEM	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ				1.0 Δ	-55	125	2	G03214a	TO116
23#	SFC451HPM	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ				1.0 Δ	-55	125	2	G03214a	TO85
24#	SFC453E	1,3		MON	2.0%	.80*	TTL	8	10	0.0	7.0	13n			10mΔ	400m*	0	70	1	G03175	TO116
25#	SFC453EM	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	22nΔ			14mΔ	1.0	-55	125	1	G03175	TO116
26#	SFC453ET	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	22nΔ			14mΔ	1.0	-25	85	1	G03175	TO116
27♦#	SFC453HE	1,3		MON	2.0%	.80*	TTL	9	10	0	7	6n			20m†	400m	0	70	1		TO116
28♦#	SFC453HPM	1,3		MON	2.0%	.80*	TTL	9	10	0	7	6n			20m†	400m	-55	125	1		ZB165
29#	SFC454E	1,3		MON	2.0%	.80*	TTL	8	10	0.0	7.0	13n			10mΔ	400m*	0	70	1	G03175a	TO116
30#	SFC454EM	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			14mΔ	1.0	-55	125	1	G03175a	TO116
31#	SFC454ET	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			14mΔ	1.0	-25	85	1	G03175a	TO116
32#	SFC454HE	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	10nΔ				1.0 Δ	0	70	1	G03215a	TO116
33#	SFC454HEM	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	10nΔ				1.0 Δ	-55	125	1	G03215a	TO116
34#	SFC454HPM	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	10nΔ				1.0 Δ	-55	125	1	G03215a	TO85
35♦#	SFC454PM	1,3		MON	2.0%	.80*	TTL	8	10	0	7	13n			40m†	400m	-55	125	1	G03175	ZB165
36	SN54H50J	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	7.0	10nΔ				1.0 Δ	-55	125	2	G03214	M157b
37	SN54H50N	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	7.0	10nΔ				1.0 Δ	-55	125	2	G03214	M126
38	SN54H50W	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	10nΔ			60m†	1.0 Δ	-55	125	2	G03214	Δ004AA
39	SN54H51J	1,3		MON	2.0%	.80*	TTL	4	10	0	7	10nΔ				1.0 Δ	-55	125	2	G03214a	M157b
40	SN54H51N	1,3		MON	2.0%	.80*	TTL	4	10	0	7	10nΔ				1.0 Δ	-55	125	2	G03214a	M126
41	SN54H51W	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ			60m†	1.0 Δ	-55	125	2	G03214a	Δ004AA
42	SN54H53J	1,3		MON	2.0%	.80*	TTL	11†	10	0.0	7.0	10nΔ				1.0 Δ	-55	125	1	G03215	M157b
43	SN54H53N	1,3		MON	2.0%	.80*	TTL	11†	10	0.0	7.0	10nΔ				1.0 Δ	-55	125	1	G03215	M126
44	SN54H53W	1,3		MON	2.0%	.80*	TTL	11†	10	0.0	5.0	10nΔ			40m†	1.0 Δ	-55	125	1	G03215	M126e
45	SN54H54J	1,3		MON	2.0%	.80*	TTL	9	10	0	7	10nΔ				1.0 Δ	-55	125	1	G03215a	M157b
46	SN54H54N	1,3		MON	2.0%	.80*	TTL	9	10	0	7	10nΔ				1.0 Δ	-55	125	1	G03215a	M126
47	SN54H54W	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	10nΔ			40m†	1.0 Δ	-55	125	1	G03215a	Δ004AA
48	SN54H55J	1,3		MON	2.0%	.80*	TTL	10†	10	0.0	7.0	10nΔ				1.0 Δ	-55	125	1	G03214b	M157b
49	SN54H55N	1,3		MON	2.0%	.80*	TTL	10†	10	0.0	7.0	10nΔ				1.0 Δ	-55	125	1	G03214b	M126
50	SN54H55W	1,3		MON	2.0%	.80*	TTL	10†	10	0.0	5.0	10nΔ			30m†	1.0 Δ	-55	125	1	G03214b	Δ004AA
51	SN54S51J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	5.5nΔ			56m†	300m	-55	125	2	G03174a	M157b
52	SN54S51W	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	5.5nΔ			56m†	300m	-55	125	2	G03174a	Δ004AA
53	SN54S64J	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	3.5n			39m†	1.0 Δ	-55	125	1	G01228a	M157b
54	SN54S64N	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	3.5nt			39m†	1.0 Δ	-55	125	1	G01228a	M126e
55	SN54S64W	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	3.5nt			39m†	1.0 Δ	-55	125	1	G01228a	Δ004AA
56	SN54S65J	1,3		MON	2.0%	.80*	TTL	11	10	0.0	5.0	5.0n			36m†	1.0 Δ	-55	125	1	G01228	M157b
57	SN54S65N	1,3		MON	2.0%	.80*	TTL	11	10	0.0	5.0	5.0nt			36m†	1.0 Δ	-55	125	1	G01228	M126e
58	SN54S65W	1,3		MON	2.0%	.80*	TTL	11	10	0.0	5.0	5.0nt			36m†	1.0 Δ	-55	125	1	G01228	Δ004AA
59	SN74H50J	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	7.0	10nΔ				1.0 Δ	0	70	2	G03214	M157b
60	SN74H50N	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	7.0	10nΔ				1.0 Δ	0	70	2	G03214	M126e
61	SN74H50W	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	10nΔ			60m†	1.0 Δ	0	70	2	G03214	TO84
62	SN74H51J	1,3		MON	2.0%	.80*	TTL	4	10	0	7	10nΔ				1.0 Δ	0	70	2	G03214a	M157b
63	SN74H51N	1,3		MON	2.0%	.80*	TTL	4	10	0	7	10nΔ				1.0 Δ	0	70	2	G03214a	M126e
64	SN74H51W	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ			60m†	1.0 Δ	0	70	2	G03214a	TO84
65	SN74H53J	1,3		MON	2.0%	.80*	TTL	11†	10	0.0	7.0	10nΔ				1.0 Δ	0	70	1	G03215	M157b
66	SN74H53N	1,3		MON	2.0%	.80*	TTL	11†	10	0.0	7.0	10nΔ				1.0 Δ	0	70	1	G03215	Δ004AA
67	SN74H54J	1,3		MON	2.0%	.80*	TTL	9	10	0	7	10nΔ				1.0 Δ	0	70	1	G03215a	M157b
68	SN74H54N	1,3		MON	2.0%	.80*	TTL	9	10	0	7	10nΔ				1.0 Δ	0	70	1	G03215a	M126e
69	SN74H54W	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	10nΔ			40m†	1.0 Δ	0	70	1	G03215a	TO84
70	SN74H55J	1,3		MON	2.0%	.80*	TTL	10†	10	0.0	7.0	10nΔ				1.0 Δ	0	70	1	G03214b	M157b
71	SN74H55N	1,3		MON	2.0%	.80*	TTL	10†	10	0.0	7.0	10nΔ				1.0 Δ	0	70	1	G03214b	M126e
72	SN74H55W	1,3		MON	2.0%	.80*	TTL	10†	10	0.0	5.0	10nΔ			30m†	1.0 Δ	0	70	1	G03214b	TO84
73▼	SN74LS51J	1,3		MON	2.0%	.80*	TTL	6†	22	0.0	5.0	20nΔ			14m	1.0 *	0	70	2	G01269	M157b
74▼	SN74LS51N	1,3		MON	2.0%	.80*	TTL	6†	22	0.0	5.0	20nΔ			14m	1.0 *	0	70	2	G01269	M126e
75▼	SN74LS54J	1,3		MON	2.0%	.80*	TTL	10	22	0.0	5.0	25nΔ			10m	1.0 *	0	70	1		M157b
76▼	SN74LS54N	1,3		MON	2.0%	.80*	TTL	10	22	0.0	5.0	25nΔ			10m	1.0 *	0	70	1		M126e
77▼	SN74LS55J	1,3		MON	2.0%	.80*	TTL	6	22	0.0	5.0	20nΔ			6.5m	1.0 *	0	70	1	G01278	M157b
78▼	SN74LS55N	1,3		MON	2.0%	.80*	TTL	6	22	0.0	5.0	20nΔ			6.5m	1.0 *	0	70	1	G01278	M126e
79	SN74S51J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	5.5nΔ			56m†	300m	0	70	2	G03174a	M157b
80	SN74S51N	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	5.5nΔ			56m†	300m	0	70	2	G03174a	M126e
81	SN74S64J	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	3.5n			39m†	1.0 Δ	0	70	1	G01228a	M157b
82	SN74S64N	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	3.5nt			39m†	1.0 Δ	0	70	1	G01228a	M126e
83	SN74S64W	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	3.5nt			39m†	1.0 Δ	0	70	1	G01228a	Δ004AA
84	SN74S65J	1,3		MON	2.0%	.80*	TTL	11	10	0.0	5.0	5.0n			36m†	1.0 Δ	0	70	1	G01228	M157b
85	SN74S65N	1,3		MON	2.0%	.80*	TTL	11	10	0.0	5.0	5.0nt			36m†	1.0 Δ	0	70	1	G01228	M126e
86	SN74S65W	1,3		MON	2.0%	.80*	TTL	11	10	0.0	5.0	5.0nt			36m†	1.0 Δ	0	70	1	G01228	Δ004AA
87	SN5450J	1,3		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	22nΔ			40m†	1.0 Δ	-55	125	2	G03174	M157b
88	SN5450N	1,3		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	22nΔ			40m†	1.0 Δ	-55	125	2	G03174	M126e
89	SN5450W	1,3		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	22nΔ			40m†	1.0 Δ	-55	125	2	G03174	Δ004AA
90	SN5451J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			40m†	1.0 Δ	-55	125	2	G03174a	M157b
91	SN5451N	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			40m†	1.0 Δ	-55	125	2	G03174a	M157
92	SN5451W	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			40m†	1.0 Δ	-55	125	2	G03174a	Δ004AA
93	SN5453J	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ			10m†	1.0 Δ	-55	125	1	G03175	M157b
94	SN5453N	1,3		MON	2.0%	.80*	TTL	8	10	0.0	7.0	22n%			14mΔ	1.0	-55	125	1	G03175	M75a
95	SN5453W	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ			10m†	1.0 Δ	-55	125	1	G03175	Δ004AA
96	SN5454J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			10m†	1.0 Δ	-55	125	1	G03175a	M157b
97	SN5454N	1,3		MON	2.0%	.80*	TTL	8	10	0.0	7.0	22n%			14mΔ	1.0	-55	125	1		M75a
98	SN5454W	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			10m†	1.0 Δ	-55	125	1	G03175a	Δ004AA
99#	SN6450N	1,3		MON	2.0%	.80*	TTL	4	10	0.0	7.0	13n%			14m†	1.0	-40	85	2	G03174	M75a
100#	SN6451N	1,3		MON	2.0%	.80*	TTL	4	10	0.0	7.0	22n%			14m†	1.0	-40	85	2	G03174a	M75a
101#	SN6453N	1,3		MON	2.0%	.80*	TTL	9Δ	10	0.0	7.0	22n%			14m†	1.0	-40	85	2	G03175	M75a
102#	SN6454N	1,3		MON	2.0%	.80*	TTL	8	10	0.0	7.0	22n%			14m†	1.0	-40	85	1	G03175a	M75a
103	SN7450J	1,3		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	22nΔ			40m†	1.0 Δ	0	70	2	G03174	M157b
104	SN7450N	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n%			14mΔ	1.0	0	70	2	G03174	M126e
105	SN7451	1,3		MON	2.0%	.80*	TTL	4	10	0.0	7.0	22n%			14mΔ	1.0	0	70	2	G03174a	TO84
106	SN7451J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			40m†	1.0 Δ	0	70	2	G03174a	M157b
107	SN7451N	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			40m†	1.0 Δ	0	70	2	G03174a	M126e
108	SN7453	1,3		MON	2.0%	.80*	TTL	9Δ	10	0.0	7.0	22n%			14mΔ	1.0	0	70	1	G03175	TO84
109	SN7453J	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ			10m†	1.0 Δ	0	70	1	G03175	M157b
110	SN7453N	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	22n%			14mΔ	1.0	0	70	1	G03175	M126e

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN7454	1,3		MON	2.0%	.80*	TTL	8	10	0.0	7.0	22n%			14mΔ	1.0	0	70	1	G03175a	TO84
2	SN7454J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			10mt	1.0 Δ	0	70	1	G03175a	M157b
3	SN7454N	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22n%			14mΔ	1.0	0	70	1	G03175a	M126e
4	SW7450J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.25	22 %			40mt	1.0	0	70	2	G03174	M114
5	SW7450N	1,3		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.25	22n%			60mt	1.0	0	70	2	G03174	M105n
6	SW7451J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.25	22n%			60mt	1.0	0	70	2	G03174a	M114
7	SW7451N	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.25	22n%			60mt	1.0	0	70	2	G03174a	M105n
8	SW7453J	1,3		MON	2.0%	.80*	TTL	9Δ	10	0.0	5.25	22n%			14mΔ	1.0	0	70	1	G03175	M114
9	SW7453N	1,3		MON	2.0%	.80*	TTL	9Δ	10	0.0	5.25	22n%			14mΔ	1.0	0	70	1	G03175	M105n
10	SW7454J	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.25	22n%			14mΔ	1.0	0	70	1	G03175a	M114
11	SW7454N	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.25	22n%			14mΔ	1.0	0	70	1	G03175a	M105n
12#	T74H50B1	1,3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0n			50m	1.0 Δ	0	70			
13#	T74H50D1	1,3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0n			50m	1.0 Δ	0	70			
14#	T74H50D2	1,3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0n			50m	1.0 Δ	-55	125			
15#	T74H51B1	1,3		MON	2.0%	.80*	TTL	2	10	0.0	5.0				70m	1.0 Δ	0	70			
16#	T74H51D1	1,3		MON	2.0%	.80*	TTL	2	10	0.0	5.0				70m	1.0 Δ	0	70			
17#	T74H51D2	1,3		MON	2.0%	.80*	TTL	2	10	0.0	5.0				70m	1.0 Δ	-55	125			
18#	T74H53B1	1,3		MON	2.0%	.80*	TTL	11†		0.0	5.0				50m		0	70			
19#	T74H53D1	1,3		MON	2.0%	.80*	TTL	11†		0.0	5.0				50m		0	70			
20#	T74H53D2	1,3		MON	2.0%	.80*	TTL	11†		0.0	5.0				50m		-55	125			
21#	T74H54B1	1,3		MON	2.0%	.80*	TTL	9		0.0	5.0				50m		0	70			
22#	T74H54D1	1,3		MON	2.0%	.80*	TTL	9		0.0	5.0				50m		0	70			
23#	T74H54D2	1,3		MON	2.0%	.80*	TTL	9		0.0	5.0				50m		-55	125			
24#	T7450B1	1,3		MON	2.0%	.80*	TTL	5†	10	0.0	5.0	22nΔ			20mt	1.0	0	70	2	G02170	M126u
25#	T7450D1	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			20mt	1.0 Δ	0	70	2	G02170	M294
26#	T7450D2	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			20mt	1.0 Δ	-55	125	2	G02170	M294
27#	T7451B1	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			20mt	1.0 Δ	0	70	2	G03177a	M126u
28#	T7451D1	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			20mt	1.0 Δ	0	70	2	G03177a	M294
29#	T7451D2	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ			20mt	1.0 Δ	-55	125	2	G03177a	M294
30#	T7453B1	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			10mt	1.0	0	70	1	G03249	M126u
31#	T7453D1	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			10mt	1.0 Δ	0	70	1	G03249	M294
32#	T7453D2	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			10mt	1.0 Δ	-55	125	1	G03249	M294
33#	T7454B1	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	1.0 Δ	0	70	1	G03249a	M126u
34#	T7454D1	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	1.0 Δ	0	70	1	G03249a	M294
35#	T7454D2	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	1.0 Δ	-55	125	1	G03249a	M294
36#	T7460D1	1,3		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ			20mt	1.0 Δ	0	70	2	G02172	M294
37	TG54S50F	1,3		MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ			80mS		-55	125	2	G03248	TO86
38	TG54S50J	1,3		MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ			80mS		-55	125	2	G03248	M157c
39	TG54S51F	1,3		MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ			80mS		-55	125	2	G03248	TO86
40	TG54S51J	1,3		MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ			80mS		-55	125	2	G03248	M157c
41	TG54S64F	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	5.5nΔ			80mS		-55	125	1	G01228a	TO86
42	TG54S64J	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	5.5nΔ			80mS		-55	125	1	G01228a	M157c
43	TG54S65F	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	8.5nΔ			80mS		-55	125	1	G01228	TO86
44	TG54S65J	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	8.5nΔ			80mS		-55	125	1	G01228	M157c
45	TG74S50F	1,3		MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ			80mS		0	70	2	G03248	TO86
46	TG74S50J	1,3		MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ			80mS		0	70	2	G03248	M157c
47	TG74S51F	1,3		MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ			80mS		0	70	2	G03248	TO86
48	TG74S51J	1,3		MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ			80mS		0	70	2	G03248	M157c
49	TG74S64F	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	5.5nΔ			80mS		0	70	1	G01228a	TO86
50	TG74S64J	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	5.5nΔ			80mS		0	70	1	G01228a	M157c
51	TG74S65F	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	8.5nΔ			80mS		0	70	1	G01228	TO86
52	TG74S65J	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5.0	8.5nΔ			80mS		0	70	1	G01228	M157c
53#	TL7450N	1,3		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ			55mt		0	70	2	G03236b	M126n
54#	TL7451N	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			55mt		0	70	2	G03236a	M126n
55#	TL7453N	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ			45mt		0	70	1	G03268d	M126n
56#	TL7454N	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			45mt		0	70	1	G03268e	M126n
57	TRW7450#1	1,3		MON	2.0%	.80	TTL	6†	10	0.0	5.0	20n%			20mt		0	70	2	G03174	M157
58	TRW7450#2	1,3		MON	2.0%	.80	TTL	6†	10	0.0	5.0	20n%			20mt		0	70	2	G03174	M126
59	TRW7451#1	1,3		MON	2.0%	.80	TTL	4	10	0.0	5.0	20n%			20mt		0	70	2	G03174a	M157
60	TRW7451#2	1,3		MON	2.0%	.80	TTL	4	10	0.0	5.0	20n%			20mt		0	70	2	G03174a	M126
61	TRW7453#1	1,3		MON	2.0%	.80	TTL	9	10	0.0	5.0	22n			14m	1.0	0	70	1	G03175	M126
62	TRW7453#2	1,3		MON	2.0%	.80	TTL	9	10	0.0	5.0	22n			14m	1.0	0	70	1	G03175	M157
63	TRW7454#1	1,3		MON	2.0%	.80	TTL	8	10	0.0	5.0	22n			14m	1.0	0	70	1	G03175	M126
64	TRW7454#2	1,3		MON	2.0%	.80	TTL	8	10	0.0	5.0	22n			14m	1.0	0	70	1	G03175	M157
65	US54H50A	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	-55	125	2	G03214	M105b
66	US54H50J	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	-55	125	2	G03214	TO88
67	US54H51A	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	-55	125	2	G03214a	M105b
68	US54H51J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	-55	125	2	G03214a	TO88
69	US54H53A	1,3		MON	2.0%	.80*	TTL	11†	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	-55	125	1	G03215	M105b
70	US54H53J	1,3		MON	2.0%	.80*	TTL	11†	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	-55	125	1	G03215	TO88
71	US54H54A	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	-55	125	1	G03215a	M105b
72	US54H54J	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	-55	125	1	G03215a	TO88
73	US54H55A	1,3		MON	2.0%	.80*	TTL	10†	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	-55	125	1	G03214b	M105b
74	US54H55J	1,3		MON	2.0%	.80*	TTL	10†	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	-55	125	1	G03214b	TO88
75	US74H50A	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	0	70	2	G03214	M105b
76	US74H50J	1,3		MON	2.0%	.80*	TTL	6†	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	0	70	2	G03214	TO88
77	US74H51A	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	0	70	2	G03214a	M105b
78	US74H51J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	0	70	2	G03214a	TO88
79	US74H53A	1,3		MON	2.0%	.80*	TTL	11†	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	0	70	1	G03215	M105b
80	US74H53J	1,3		MON	2.0%	.80*	TTL	11†	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	0	70	1	G03215	TO88
81	US74H54A	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	0	70	1	G03215a	M105b
82	US74H54J	1,3		MON	2.0%	.80*	TTL	9	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	0	70	1	G03215a	TO88
83	US74H55A	1,3		MON	2.0%	.80*	TTL	10†	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	0	70	1	G03214b	M105b
84	US74H55J	1,3		MON	2.0%	.80*	TTL	10†	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	0	70	1	G03214b	TO88
85	US5450A	1,3		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	10n	18n	8.0n			-55	125	2	G03243	M105b
86	US5450J	1,3		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	10n	18n	8.0n			-55	125	2	G03243	TO88
87	US5451A	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n	18n	8.0n			-55	125	2	G03243a	M105b
88	US5451J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n	18n	8.0n			-55	125	2	G03243a	TO88
89	US5453A	1,3		MON	2.0%	.80*	TTL	9Δ	10	0.0	5.0	10n	18n	8.0n			-55	125	1	G03243b	M105b
90	US5453J	1,3		MON	2.0%	.80*	TTL	9Δ	10	0.0	5.0	10n	18n	8.0n			-55	125	1	G03243b	TO88
91	US5454A	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			-55	125	1	G03243c	M105b
92	US5454J	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			-55	125	1	G03243c	TO88
93	US5459A	1,3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	10n	18n	8.0n			-55	125	2	G03243d	M105b
94	US5459J	1,3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	10n	18n	8.0n			-55	125	2	G03243d	TO88
95	US7450A	1,3		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	10n	18n	8.0n			0	70	2	G03243	M105b
96	US7450J	1,3		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	10n	18n	8.0n			0	70	2	G03243	TO88
97	US7451A	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n	18n	8.0n			0	70	2	G03243a	M105b
98	US7451J	1,3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n	18n	8.0n			0	70	2	G03243a	TO88
99	US7453A	1,3		MON	2.0%	.80*	TTL	9Δ	10	0.0	5.0	10n	18n	8.0n			0	70	1	G03243b	M105b
100	US7453J	1,3		MON	2.0%	.80*	TTL	9Δ	10	0.0	5.0	10n	18n	8.0n			0	70	1	G03243b	TO88
101	US7454A	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			0	70	1	G03243c	M105b
102	US7454J	1,3		MON	2.0%	.80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			0	70	1	G03243c	TO88
103	US7459A	1,3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	10n	18n	8.0n			0	70	2	G03243d	M105b
104	US7459J	1,3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	10n	18n	8.0n			0	70	2	G03243d	TO88
105	HEPC3050P-RT																				
		1,3		MON	2.4%	.40*†	TTL	6†	10	0.0	5.0	13n			28mt				2	G01193a	TO116
106	MC2012F	1,3		MON	2.4%	.40*†	TTL	10Δ	9	0.0	5.0	6.0n%			39mt		0	75	1	G03223	TO86
107	MC2012L,P%	1,3		MON	2.4%	.40*†	TTL	10Δ	9	0.0	5.0	6.0n%			39mt		0	75	1	G03223	TO116
108	MC2062F	1,3		MON	2.4%	.40*†	TTL	10Δ	5	0.0	5.0	6.0n%			39mt		0	75	1	G03223	TO86
109	MC2062L,P%	1,3		MON	2.4%	.40*†	TTL	10Δ	5	0.0	5.0	6.0n%			39mt		0	75	1	G03223	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC2112F	1,3		MON	2.4%	.40*†	TTL	10Δ	11	0.0	5.0	6.0n%			39mt		-55	125	1	G03223	TO86
2	MC2112L	1,3		MON	2.4%	.40*†	TTL	10Δ	11	0.0	5.0	6.0n%			39mt		-55	125	1	G03223	TO116
3	MC2162F	1,3		MON	2.4%	.40*†	TTL	10Δ	6	0.0	5.0	6.0n%			39mt		-55	125	1	G03223	TO86
4	MC2162L	1,3		MON	2.4%	.40*†	TTL	10Δ	6	0.0	5.0	6.0n%			39mt		-55	125	1	G03223	TO116
5	MC3020OL,P%	1,3		MON	2.4%	.40*†	TTL	9Δ	10	0.0	5.0	6.0n%			62mt		0	75	2	G01184	TO116
6	MC3023L,P%	1,3		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	6.0n%			62mt		0	75	2	G01184	TO116
7	MC3032F	1,3		MON	2.4%	.40*†	TTL	10Δ	10	0.0	5.0	7.0n%			40mt		0	75	1	G01211	TO86
8	MC3032L,P%	1,3		MON	2.4%	.40*†	TTL	10Δ	10	0.0	5.0	7.0n%			40mt		0	75	1	G01211	TO116
9	MC3033L,P%	1,3		MON	2.4%	.40*†	TTL	9	10	0.0	5.0	7.0n%			40mt		0	75	1	G01211a	TO116
10	MC3034F	1,3		MON	2.4%	.40*†	TTL	9Δ	10	0.0	5.0	7.0n%			30mt		0	75	1	G01212	TO86
11	MC3034L,P%	1,3		MON	2.4%	.40*†	TTL	9Δ	10	0.0	5.0	7.0n%			30mt		0	75	1	G01212	TO116
12	MC3120L	1,3		MON	2.4%	.40*†	TTL	9Δ	10	0.0	5.0	6.0n%			62mt		-55	125	2	G01184	TO116
13	MC3123L	1,3		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	6.0n%			62mt		-55	125	2	G01184	TO116
14	MC3132F	1,3		MON	2.4%	.40*†	TTL	10Δ	10	0.0	5.0	7.0n%			40mt		-55	125	1	G01211	TO86
15	MC3132L	1,3		MON	2.4%	.40*†	TTL	10Δ	10	0.0	5.0	7.0n%			40mt		-55	125	1	G01211	TO116
16	MC3133L	1,3		MON	2.4%	.40*†	TTL	9	10	0.0	5.0	7.0n%			40mt		-55	125	1	G01211a	TO116
17	MC3134F	1,3		MON	2.4%	.40*†	TTL	9Δ	10	0.0	5.0	7.0n%			30mt		-55	125	1	G01212	TO86
18	MC3134L	1,3		MON	2.4%	.40*†	TTL	9Δ	10	0.0	5.0	7.0n%			30mt		-55	125	1	G01212	TO116
19	MCB5450F	1,3		MON	2.4%	.40*†	TTL	6†	10	0.0	5.0	13n			28mt		-55	125	2	G01193	FP77
20	MCB5451F	1,3		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	13n			28mt		-55	125	2	G03267a	FP77
21	MCB5453F	1,3		MON	2.4%	.40*†	TTL	10Δ	10	0.0	5.0	13n			22mt		-55	125	1	G01213a	TO86
22	MCB5454F	1,3		MON	2.4%	.40*†	TTL	8	10	0.0	5.0	13n			22mt		-55	125	1	G01214a	TO86
23	MCBC5450	1,3		MON	2.4%	.40*†	TTL	6†	10	0.0	5.0	13n			28m%		-55	125	2	G01193	FC1
24	MCBC5451	1,3		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	13n			28mt		-55	125	2	G03267a	FC1
25	MCBC5453	1,3		MON	2.4%	.40*†	TTL	10Δ	10	0.0	5.0	13n			22mt		-55	125	1	G01213a	FC1
26	MCBC5454	1,3		MON	2.4%	.40*†	TTL	8	10	0.0	5.0	13n			22mt		-55	125	1	G01214a	FC1
27	M141	1,3	10M	PCB	2.4	.40	TTL	1	10	0	5	25n	25n	15n	250m	1.0	0	70	4		
28	MC5450F	1,3	30MΔ	MON	2.4%	.40*†	TTL	6†	10	0.0	5.0	13n			28mt		-55	125	2	G01193	TO86
29	MC5450L	1,3	30MΔ	MON	2.4%	.40*†	TTL	5†	10	0.0	5.0	13n%			28mt		-55	125	2	G01193a	TO116
30	MC5451F	1,3	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	13n			28mt		-55	125	2	G01193b	TO86
31	MC5451L	1,3	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	13n%			28mt		-55	125	1	G01193c	TO116
32	MC5453F	1,3	30MΔ	MON	2.4%	.40*†	TTL	10Δ	10	0.0	5.0	13n			22mt		-55	125	1	G01194	TO86
33	MC5453L	1,3	30MΔ	MON	2.4%	.40*†	TTL	9Δ	10	0.0	5.0	13n%			22mt		-55	125	1	G01194a	TO116
34	MC5454F	1,3	30MΔ	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	13n			22mt		-55	125	1	G01194b	TO86
35	MC5454L	1,3	30MΔ	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	13n%			22mt		-55	125	1	G01194c	TO116
36	MC7450F	1,3	30MΔ	MON	2.4%	.40*†	TTL	6†	10	0.0	5.0	13n			28mt		-55	125	2	G01193	TO86
37	MC7450L,P%	1,3	30MΔ	MON	2.4%	.40*†	TTL	5†	10	0.0	5.0	13n%			28mt		0	70	2	G01193a	TO116
38	MC7451F	1,3	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	13n			28mt		0	70	2	G01193b	TO86
39	MC7451L,P%	1,3	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	13n%			28mt		0	70	1	G01193c	TO116
40	MC7453F	1,3	30MΔ	MON	2.4%	.40*†	TTL	10Δ	10	0.0	5.0	13n			22mt		0	70	1	G01194	TO86
41	MC7453L,P%	1,3	30MΔ	MON	2.4%	.40*†	TTL	9Δ	10	0.0	5.0	13n%			22mt		0	70	1	G01194a	TO116
42	MC7454F	1,3	30MΔ	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	13n			22mt		0	70	1	G01194b	TO86
43	MC7454L,P%	1,3	30MΔ	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	13n%			22mt		0	70	1	G01194c	TO116
44	MC2000F	1,3		MON	2.4%	.45*†	TTL	9Δ	9	0.0	5.0	7.0n%			27mt		0	75	1	G03226	TO86
45	MC2000L,P%	1,3		MON	2.4%	.45*†	TTL	9Δ	9	0.0	5.0	7.0n%			27mt		0	75	1	G03226	TO116
46	MC2004F	1,3		MON	2.4%	.45*†	TTL	10Δ	9	0.0	5.0	7.0n%			36mt		0	75	1	G03221	TO86
47	MC2004L,P%	1,3		MON	2.4%	.45*†	TTL	10Δ	9	0.0	5.0	7.0n%			36mt		0	75	1	G03221	TO116
48	MC2013F	1,3		MON	2.4%	.45*†	TTL	9Δ	9	0.0	5.0	7.0n%			58mt		0	75	2	G03227	TO86
49	MC2013L,P%	1,3		MON	2.4%	.45*†	TTL	9Δ	9	0.0	5.0	7.0n%			58mt		0	75	2	G03227	TO116
50	MC2050F	1,3		MON	2.4%	.45*†	TTL	9Δ	5	0.0	5.0	7.0n%			27mt		0	75	1	G03226	TO86
51	MC2050L,P%	1,3		MON	2.4%	.45*†	TTL	9Δ	5	0.0	5.0	7.0n%			27mt		0	75	1	G03226	TO116
52	MC2054F	1,3		MON	2.4%	.45*†	TTL	10Δ	5	0.0	5.0	7.0n%			36mt		0	75	1	G03221	TO86
53	MC2054L,P%	1,3		MON	2.4%	.45*†	TTL	10Δ	5	0.0	5.0	7.0n%			36mt		0	75	1	G03221	TO116
54	N8848A	1,3		MON	2.6%	.40*†	TTL	11Δ	20	0	5	13n%Δ		50n	49mΔ	600m	0	75	1	G03199	TO116
55	N8848F	1,3		MON	2.6%	.40†*	TTL	4	20	0.0	5.0	13n%Δ		50n	49mΔ	600m	0	75	1	G03199	M157
56	N8848J	1,3		MON	2.6%	.40*†	TTL	11Δ	20	0	5	13n%Δ		50n	49mΔ	600m	0	75	1	G03199	TO88
57	S8848A	1,3		MON	2.6%	.40*†	TTL	11Δ	20	0	5	13n%Δ		50n	49mΔ	600m	-55	125	1	G03199	TO116
58	S8848F	1,3		MON	2.6%	.40†*	TTL	11Δ	20	0.0	5.0	13n%Δ		50n	49mΔ	600m	-55	125	1	G03199	M157
59	S8848J	1,3		MON	2.6%	.40*†	TTL	11Δ	20	0	5	13n%Δ		50n	49mΔ	600m	-55	125	1	G03199	TO88
60	54R64	1,3			2.7	.40	TTL	4†	10	0.0	5.0	9.0n			62m		-55	125			
61	RG212BL	1,3		MON	3.0%	.40*	TTL	10Δ	9	0.0	5.0	11nΔ	4.5n	3.0n	22mt	1.0	0	75	1	G01163	FC5a
62	RG213BL	1,3		MON	3.0%	.40*	TTL	10Δ	5	0.0	5.0	11nΔ	4.5n	3.0n	22mt	1.0	0	75	1	G01163	FC5a
63	RG252BL	1,3		MON	3.0%	.40*	TTL	10Δ	9	0.0	5.0	12nΔ	4.5n	3.0n	22mt	1.0	0	75	1	G01164	FC5a
64	RG253BL	1,3		MON	3.0%	.40*	TTL	10Δ	5	0.0	5.0	12nΔ	4.5n	3.0n	22mt	1.0	0	75	1	G01164	FC5a
65	TG290F	1,3		MON	3.0%	.45*†	TTL	5	15	0.0	7.0	12n			80mt		-55	125	2	G03209b	FP21c
66	TG290J	1,3		MON	3.0%	.45*†	TTL	5	15	0.0	7.0	12n			80mt		-55	125	2	G03209b	TO116
67	TG292F	1,3		MON	3.0%	.45*†	TTL	5	15	0.0	7.0	12n			80mt		0	75	2	G03209b	FP21c
68	TG292J	1,3		MON	3.0%	.45*†	TTL	5	15	0.0	7.0	12n			80mt		0	75	2	G03209b	TO116
69	RG210BL	1,3		MON	3.1%	.40*	TTL	10Δ	11	0.0	5.0	11nΔ	4.5n	3.0n	22mt	1.0	-55	125	1	G01163	FC5a
70	RG211BL	1,3		MON	3.1%	.40*	TTL	10Δ	6	0.0	5.0	11nΔ	4.5n	3.0n	22mt	1.0	-55	125	1	G01163	FC5a
71	RG250BL	1,3		MON	3.1%	.40*	TTL	10Δ	11	0.0	5.0	12nΔ	4.5n	3.0n	22mt	1.0	-55	125	1	G01164	FC5a
72	RG251BL	1,3		MON	3.1%	.40*	TTL	10Δ	6	0.0	5.0	12nΔ	4.5n	3.0n	22mt	1.0	-55	125	1	G01164	FC5a
73	MC401F	1,3		MON	3.3	.26	TTL	10Δ	12	0.0	5.0	12n	8.0n	6.0n	30mt	900m	0	75	1	G03222	TO86
74	MC401L,P%	1,3		MON	3.3	.26	TTL	10Δ	12	0.0	5.0	12n	8.0n	6.0n	30mt	900m	0	75	1	G03222	TO116
75	MC404F	1,3		MON	3.3	.26	TTL	10Δ	12	0.0	5.0	12n	8.0n	6.0n	25mt	900m	0	75	1	G03223	TO86
76	MC404L,P%	1,3		MON	3.3	.26	TTL	10Δ	12	0.0	5.0	12n	8.0n	6.0n	25mt	900m	0	75	1	G03223	TO116
77	MC405F	1,3		MON	3.3	.26	TTL	9Δ	12	0.0	5.0	12n	8.0n	6.0n	20mt	900m	0	75	1	G03224	TO86
78	MC405L,P%	1,3		MON	3.3	.26	TTL	9Δ	12	0.0	5.0	12n	8.0n	6.0n	20mt	900m	0	75	1	G03224	TO116
79	MC420F	1,3		MON	3.3	.26	TTL	5†	12	0.0	5.0	12n	8.0n	6.0n	40mt	900m	0	75	2	G03225	TO86
80	MC420L,P%	1,3		MON	3.3	.26	TTL	5†	12	0.0	5.0	12n	8.0n	6.0n	40mt	900m	0	75	2	G03225	TO116
81	MC451F	1,3		MON	3.3	.26	TTL	10Δ	6	0.0	5.0	12n	8.0n	6.0n	30mt	900m	0	75	1	G03223	TO86
82	MC451L,P%	1,3		MON	3.3	.26	TTL	10Δ	6	0.0	5.0	12n	8.0n	6.0n	30mt	900m	0	75	1	G03223	TO116
83	MC454F	1,3		MON	3.3	.26	TTL	10Δ	6	0.0	5.0	12n	8.0n	6.0n	25mt	900m	0	75	1	G03233	TO86
84	MC454L,P%	1,3		MON	3.3	.26	TTL	10Δ	6	0.0	5.0	12n	8.0n	6.0n	25mt	900m	0	75	1	G03223	TO116
85	MC455F	1,3		MON	3.3	.26	TTL	9Δ	6	0.0	5.0	12n	8.0n	6.0n	20mt	900m	0	75	1	G03224	TO86
86	MC455L,P%	1,3		MON	3.3	.26	TTL	9Δ	6	0.0	5.0	12n	8.0n	6.0n	20mt	900m	0	75	1	G03224	TO116
87	MC470F	1,3		MON	3.3	.26	TTL	5†	6	0.0	5.0	12n	8.0n	6.0n	40mt	900m	0	75	2	G03225	TO86
88	MC470L,P%	1,3		MON	3.3	.26	TTL	5†	6	0.0	5.0	12n	8.0n	6.0n	40mt	900m	0	75	2	G03225	TO116
89	MC501F	1,3		MON	3.3	.26	TTL	10Δ	15	0.0	5.0	12n	8.0n	6.0n	30mt	900m	-55	125	1	G03222	TO86
90	MC501L	1,3		MON	3.3	.26	TTL	10Δ	15	0	8	12n	8.0n	6.0n	30mt	900m	-55	125	1	G03222	TO116
91	MC504F	1,3		MON	3.3	.26	TTL	10Δ	15	0.0	5.0	12n	8.0n	6.0n	25mt	900m	-55	125	1	G03223	TO86
92	MC504L	1,3		MON	3.3	.26	TTL	10Δ	15	0	8	12n	8.0n	6.0n	25mt	900m	-55	125	1	G03223	TO116
93	MC505F	1,3		MON	3.3	.26	TTL	9Δ	15	0.0	5.0	12n	8.0n	6.0n	20mt	900m	-55	125	1	G03224	TO86
94	MC505L	1,3		MON	3.3	.26	TTL	9Δ	15	0	8	12n	8.0n	6.0n	20mt	900m	-55	125	1	G03224	TO116
95	MC520F	1,3		MON	3.3	.26	TTL	5†	15	0.0	5.0	12n	8.0n	6.0n	40mt	900m	-55	125	2	G03225	TO86
96	MC520L	1,3		MON	3.3	.26	TTL	5†	15	0.0	8.0	12n	8.0n	6.0n	40mt	900m	-55	125	2	G03225	TO116
97	MC551F	1,3		MON	3.3	.26	TTL	10Δ	7	0.0	5.0	12n	8.0n	6.0n	30mt		-55	125	1	G03222	TO86
98	MC551L	1,3		MON	3.3	.26	TTL	10Δ	7	0	8	12n	8.0n	6.0n	30mt		-55	125	1	G03222	TO116
99	MC554F	1,3		MON	3.3	.26	TTL	10Δ	7	0.0	5.0	12n	8.0n	6.0n	25mt	900m	-55	125	1	G03223	TO86
100	MC554L	1,3		MON	3.3	.26	TTL	10Δ	7	0	8	12n	8.0n	6.0n	25mt	900m	-55	125	1	G03223	TO116
101	MC555F	1,3		MON	3.3	.26	TTL	9Δ	7	0.0	5.0	12n	8.0n	6.0n	20mt	900m	-55	125	1	G03224	TO86
102	MC555L	1,3		MON	3.3	.26	TTL	9Δ	7	0	8	12n	8.0n	6.0n	20mt	900m	-55	125	1	G03224	TO116
103	MC570F	1,3		MON	3.3	.26	TTL	5†	7	0.0	5.0	12n	8.0n	6.0n	40mt	900m	-55	125	2	G03225	TO86
104	MC570L	1,3		MON	3.3	.26	TTL	5†	7	0.0	8.0	12n	8.0n	6.0n	40mt	900m	-55	125	2	G03225	TO116
105	TG291F	1,3		MON	3.3	.26	TTL	5		0.0	5.0	15nΔ	5.0n	8.0n	38mt	400mΔ	-55	125	2	G03209b	FP21c
106	TG291J	1,3		MON	3.3	.26	TTL	5		0.0	5.0	15nΔ	5.0n	8.0n	38mt	400mΔ	-55	125	2	G03209b	TO116
107	TG293F	1,3		MON	3.3	.26	TTL	5		0.0	5.0	15nΔ	5.0n	8.0n	38mt	550mΔ	0	75	2	G03209b	FP21c
108	TG293J	1,3		MON	3.3	.26	TTL	5		0.0	5.0	15nΔ	5.0n	8.0n	38mt	550mΔ	0	75	2	G03209b	TO116
109	TRWG210#1	1,3		MON	3.3	.26	TTL	9	11	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	-55	125	1	G01163	M157
110	TRWG210#2	1,3		MON	3.3	.26	TTL	9	11	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	-55	125	1	G01163	M126

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	TRWG250#1	1,3		MON	3.3	.26	TTL	10	11	0.0	5.0	6.0n	3.0n	4.5n	156m	1.0	-55	125	1	G01164	M157
2	TRWG250#2	1,3		MON	3.3	.26	TTL	10	11	0.0	5.0	6.0n	3.0n	4.5n	156m	1.0	-55	125	1	G01164	M126
3	SNG70J	1,3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M157b
4	SNG70W	1,3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	Δ004AF
5	SNG71J	1,3	20M	MON	3.3	.26	TTL	6†	7†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M157b
6	SNG71W	1,3	20M	MON	3.3	.26	TTL	6†	7†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	Δ004AF
7	SNG72J	1,3	20M	MON	3.3	.26	TTL	6†	12†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	M157b
8	SNG72W	1,3	20M	MON	3.3	.26	TTL	6†	12†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	Δ004AF
9	SNG73J	1,3	20M	MON	3.3	.26	TTL	6†	6†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	M157b
10	SNG73W	1,3	20M	MON	3.3	.26	TTL	6†	6†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	Δ004AF
11	TG70F	1,3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	FP18
12	TG70J	1,3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M75
13	TG71F	1,3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	FP18
14	TG71J	1,3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M75
15	TG72F	1,3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	FP18
16	TG72J	1,3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	M75
17	TG73F	1,3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	FP18
18	TG73J	1,3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	M75
19	TRWG70#1	1,3	20M	MON	3.3	.26	TTL	6	15	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M157
20	TRWG70#2	1,3	20M	MON	3.3	.26	TTL	6	15	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M126
21	MC2063F	1,3		MON	3.5	.25†	TTL	5†	5	0.0	7.0	8.0n	4.5n	3.0n	58m†	1.0	0	75	2	G03227	TO86
22	MC2063L,P%	1,3		MON	3.5	.25†	TTL	5†	5	0.0	7.0	8.0n	4.5n	3.0n	58m†	1.0	0	75	2	G03227	TO116
23	MC2100F	1,3		MON	3.5	.25†	TTL	9Δ	11	0.0	8.0	6.0n	4.5n	3.0n	27m†	1.0	-55	125	1	G03226	TO86
24	MC2100L	1,3		MON	3.5	.25†	TTL	9Δ	11	0	8	6.0n	4.5n	3.0n	27m†	1.0	-55	125	1	G03226	TO116
25	MC2104F	1,3		MON	3.5	.25†	TTL	10Δ	11	0.0	8.0	7.0n	4.5n	3.0n	36m†	1.0	-55	125	1	G03221	TO86
26	MC2104L	1,3		MON	3.5	.25†	TTL	10Δ	11	0	8	7.0n	4.5n	3.0n	36m†	1.0	-55	125	1	G03221	TO116
27	MC2113F	1,3		MON	3.5	.25†	TTL	5†	11	0.0	8.0	8.0n	4.5n	3.0n	58m†	1.0	-55	125	2	G03227	TO86
28	MC2113L	1,3		MON	3.5	.25†	TTL	5†	11	0.0	8.0	8.0n	4.5n	3.0n	58m†	1.0	-55	125	2	G03227	TO116
29	MC2150F	1,3		MON	3.5	.25†	TTL	9Δ	6	0.0	8.0	6.0n	4.5n	3.0n	27m†	1.0	-55	125	1	G03226	TO86
30	MC2150L	1,3		MON	3.5	.25†	TTL	9Δ	6	0	8	6.0n	4.5n	3.0n	27m†	1.0	-55	125	1	G03226	TO116
31	MC2154F	1,3		MON	3.5	.25†	TTL	10Δ	6	0.0	8.0	7.0n	4.5n	3.0n	36m†	1.0	-55	125	1	G03221	TO86
32	MC2154L	1,3		MON	3.5	.25†	TTL	10Δ	6	0	8	7.0n	4.5n	3.0n	36m†	1.0	-55	125	1	G03221	TO116
33	MC2163F	1,3		MON	3.5	.25†	TTL	5†	6	0.0	8.0	8.0n	4.5n	3.0n	58m†	1.0	-55	125	2	G03227	TO86
34	MC2163L	1,3		MON	3.5	.25†	TTL	5†	6	0.0	8.0	8.0n	4.5n	3.0n	58m†	1.0	-55	125	2	G03227	TO116
35	SNG210J	1,3		MON	3.5	.25	TTL	9Δ	11	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	-55	125	1	G01163	M157b
36	SNG210W	1,3		MON	3.5	.25	TTL	9Δ	11	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	-55	125	1	G01163	Δ004AF
37	SNG211J	1,3		MON	3.5	.25	TTL	9Δ	6	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	-55	125	1	G01163	M157b
38	SNG211W	1,3		MON	3.5	.25	TTL	9Δ	6	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	-55	125	1	G01163	Δ004AF
39	SNG212J	1,3		MON	3.5	.25	TTL	9Δ	9	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	0	75	1	G01163	M157b
40	SNG212W	1,3		MON	3.5	.25	TTL	9Δ	9	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	0	75	1	G01163	Δ004AF
41	SNG213J	1,3		MON	3.5	.25	TTL	9Δ	5	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	0	75	1	G01163	M157b
42	SNG213W	1,3		MON	3.5	.25	TTL	9Δ	5	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	0	75	1	G01163	Δ004AF
43	SNG250J	1,3		MON	3.5	.25	TTL	10Δ	11	0.0	5.0	6.0n	3.0n	4.5n	156m	1.0	-55	125	1	G01164	M157b
44	SNG250W	1,3		MON	3.5	.25	TTL	10Δ	11	0.0	5.0	6.0n	3.0n	4.5n	156m	1.0	-55	125	1	G01164	Δ004AF
45	SNG251J	1,3		MON	3.5	.25	TTL	10Δ	6	0.0	5.0	6.0n	3.0n	4.5n	156m	1.0	-55	125	1	G01164	M157b
46	SNG251W	1,3		MON	3.5	.25	TTL	10Δ	6	0.0	5.0	6.0n	3.0n	4.5n	156m	1.0	-55	125	1	G01164	Δ004AF
47	SNG252J	1,3		MON	3.5	.25	TTL	10Δ	9	0.0	5.0	6.0n	3.0n	4.5n	156m	1.0	0	75	1	G01164	M157b
48	SNG252W	1,3		MON	3.5	.25	TTL	10Δ	9	0.0	5.0	6.0n	3.0n	4.5n	156m	1.0	0	75	1	G01164	Δ004AF
49	SNG253J	1,3		MON	3.5	.25	TTL	10Δ	5	0.0	5.0	6.0n	3.0n	4.5n	156m	1.0	0	75	1	G01164	M157b
50	SNG253W	1,3		MON	3.5	.25	TTL	10Δ	5	0.0	5.0	6.0n	3.0n	4.5n	156m	1.0	0	75	1	G01164	Δ004AF
51	SNG300J	1,3		MON	3.5	.25	TTL	10Δ	11	0.0	5.0	6.0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	M157b
52	SNG300W	1,3		MON	3.5	.25	TTL	10Δ	11	0.0	5.0	6.0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	Δ004AF
53	SNG301J	1,3		MON	3.5	.25	TTL	10Δ	6	0.0	5.0	6.0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	M157b
54	SNG301W	1,3		MON	3.5	.25	TTL	10Δ	6	0.0	5.0	6.0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	Δ004AF
55	SNG302J	1,3		MON	3.5	.25	TTL	10Δ	9	0.0	5.0	6.0n	3.0n	4.5n	36m	1.0	0	75	1	G01159	M157b
56	SNG302W	1,3		MON	3.5	.25	TTL	10Δ	9	0.0	5.0	6.0n	3.0n	4.5n	36m	1.0	0	75	1	G01159	Δ004AF
57	SNG303J	1,3		MON	3.5	.25	TTL	10Δ	5	0.0	5.0	6.0n	3.0n	4.5n	36m	1.0	0	75	1	G01159	M157b
58	SNG303W	1,3		MON	3.5	.25	TTL	10Δ	5	0.0	5.0	6.0n	3.0n	4.5n	36m	1.0	0	75	1	G01159	Δ004AF
59	SNG310J	1,3		MON	3.5	.25	TTL	6†	11	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	M157b
60	SNG310W	1,3		MON	3.5	.25	TTL	6†	11	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	Δ004AF
61	SNG311J	1,3		MON	3.5	.25	TTL	6†	6	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	M157b
62	SNG311W	1,3		MON	3.5	.25	TTL	6†	6	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	Δ004AF
63	SNG312J	1,3		MON	3.5	.25	TTL	6†	9	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	M157b
64	SNG312W	1,3		MON	3.5	.25	TTL	6†	9	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	Δ004AF
65	SNG313J	1,3		MON	3.5	.25	TTL	6†	5	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	M157b
66	SNG313W	1,3		MON	3.5	.25	TTL	6†	5	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	Δ004AF
67	TG310F	1,3		MON	3.5	.25	TTL	6†	11	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	FP18
68	TG310J	1,3		MON	3.5	.25	TTL	6†	11	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	M75
69	TG311F	1,3		MON	3.5	.25	TTL	6†	9	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	FP18
70	TG311J	1,3		MON	3.5	.25	TTL	6†	9	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	M75
71	TG312F	1,3		MON	3.5	.25	TTL	6†	6	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	FP18
72	TG312J	1,3		MON	3.5	.25	TTL	6†	6	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	M75
73	TG313F	1,3		MON	3.5	.25	TTL	6†	5	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	FP18
74	TG313J	1,3		MON	3.5	.25	TTL	6†	5	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	TO116
75	TRWG300#1	1,3	40M	MON	3.5	.25	TTL	10	11	0.0	5.0	6.0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	M126
76	TRWG300#2	1,3	40M	MON	3.5	.25	TTL	10	11	0.0	5.0	6.0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	M157
77	TRWG310#1	1,3	40M	MON	3.5	.25	TTL	6	11	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	M126
78	TRWG310#2	1,3	40M	MON	3.5	.25	TTL	6	11	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	M157
79	T211	1,3	15M	PCB	5.0	0.0	TTL	5Δ	10	0.0	5.0	8.0n			255m%	1.0			8	G01206	CBØ
80	T212	1,3	15M	PCB	5.0	0.0	TTL	10Δ	10	0.0	5.0	8.0n			180m%	1.0			4	G01207	CBØ
81♦	MAG6	1,4	5.0M	PCB	3.0%	.40*	DTL	5Δ	8	0.0	5.0	35n			200m	1.0	0	70	6	G01160	CB53
82♦	MAG12	1,4	5.0M	PCB	3.0%	.40*	DTL	2	8	0.0	5.0	35n				1.0	0	70	12	G01160a	CB53
83	10108B	1,4		MON	-.96%	-1.7*†	ECT	4		5.2	0.0	2.8n	4.0n	4.0n	145m		-30	85	2	G01265	M256
84	10108F	1,4		MON	-.96%	-1.7*†	ECT	4		5.2	0.0	2.8n	4.0n	4.0n	145m		-30	85	2	G01265	M153a
85	SN10108J	1,4		MON	-.98%	-1.6*	ECT	4		5.2	0.0				50m†		0	85	2	G01265	M153d
86	SN10108N	1,4		MON	-.98%	-1.6*	ECT	4		5.2	0.0				50m†		0	85	2	G01265	M117x
87	SW770-1P	1,4S		MON	1.8%	1.2*	DTL	10	8	0.0	5.0	40n%			16m†	1.0 Δ	-55	125	1	G01172	TO116
88	SW778-1P	1,4S		MON	1.8%	1.2*	DTL	4	8	0.0	5.0	30n%			16m†	1.0 Δ	-55	125	2	G01172a	TO116
89	SW770-2M	1,4S		MON	1.9%	1.2*	DTL	10	8	0.0	5.0	40n%			16m†	800mΔ	0	75	1	G01172	M105n
90	SW770-2P	1,4S		MON	1.9%	1.2*	DTL	10	8	0.0	5.0	40n%			16m†	800mΔ	0	75	1	G01172	TO116
91	SW778-2M	1,4S		MON	1.9%	1.2*	DTL	4	8	0.0	5.0	30n%			16m†	800mΔ	0	75	2	G01172a	M105n
92	SW778-2P	1,4S		MON	1.9%	1.2*	DTL	4	8	0.0	5.0	30n%			16m†	800mΔ	0	75	2	G01172a	TO116
93♦	MAG9	1G	5.0M	PCB	3.0%	.40*	DTL	3†	8	0.0	5.0	35n			350m	1.0	0	70	11	G01161	CB53
94	SN531	1GM		MON	2.7	.30	DTL	6Δ	10	0	4	30nΔ	45n	40n	24m	200m	-55	125	1	G0168	ZB5
95	SW774-1P	1M		MON	1.8%	1.2*	DTL	3	10	0.0	5.0	35n%			60m†	1.0 Δ	-55	125	3	G01173	TO116
96	SW774-2M	1M		MON	1.9%	1.2*	DTL	3	12	0.0	5.0	35n%			60m†	800mΔ	0	75	3	G01173	M105n
97	SW774-2P	1M		MON	1.9%	1.2*	DTL	3	12	0.0	5.0	35n%			60m†	800mΔ	0	75	3	G01173	TO116
98	SN532	1M		MON	2.7	.30	DTL	6Δ	4	0	8	5.0n	100n	200n	20m	200m	-55	125	1	G01116	ZB5
99	SN534	1M		MON	2.7	.30	DTL	3†	4	0	8	5.0n	100n	200n	20m	200m	-55	125	2	G01116a	ZB5
100	9953DC	1M		MON			RTL	3†	11	2.0	4.5	3.0n			1.0		15	55	3	G01177	TO116
101	9954DC	1M		MON			RTL	4	11	2.0	4.5	3.0n			2.0		15	55	2	G01177b	TO116
102	9955DC	1M		MON			RTL	8	11	2.0	4.5	3.0n			1.0		15	55	1	G01178	TO116
103	9964DC	1MA		MON			RTL	3†	11	2.0	4.5	3.0n			1.0		15	55	3	G01177a	TO116
104	R141	1MS	2.0M	PCB	-3.0	0.0	DTL	14	20	15	10		45n	70n	290m	800m	-20	65	1	G01104	CB31
105	B130	1MS	10M	PCB	-3.0	0.0	DTL	12	10	15	10	15n			1.9	800m	-20	65	1	G01101a	CB31
106	3100-4-6J	1MS		MOS	9.0%	2.0*	TTL	5	10	29	0	600nΔ			200mΔ		-55	85	2	G01187	M148
107	MC3128F	1S		MON	2.4%	.40*†	TTL	3		0.0	5.0	9.0n			56m†		-55	125	2	G01186	TO86
108	MC3128L	1S		MON	2.4%	.40*†	TTL	3		0.0	5.0	9.0n%			56m†		-55	125	2	G01186	TO116
109	MC3028F	1S		MON	2.5%	.40*†	TTL	3		0.0	5.0	9.0n			56m†		0	75	2	G01186	TO86
110	MC3028L,P%	1S		MON	2.5%	.40*†	TTL	3		0.0	5.0	9.0n%			56m†		0	75	2	G01186	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MM54C32D	2		MOS			CMS									450mΔ	-55	125	4	G02198	M297a
2	MM74C32N	2		MOS			CMS									450mΔ	0	70	4	G02198	M344
3	CD4071BH	2		MOS	9.99%	.01*†	CMS	2		0.0	10	200nΔ			200m§	4.5 Δ	-55	125	4	G02193	FCℤ
4	CD4072BH	2		MOS	9.99%	.01*†	CMS	4		0.0	10	200nΔ			200m§	4.5 Δ	-55	125	2	G02193a	FCℤ
5	CD4075BH	2		MOS	9.99%	.01*†	CMS	3		0.0	10	200nΔ			200m§	4.5 Δ	-55	125	3	G02193b	FCℤ
6	MC14071AL	2		MOS	9.99%	.01*†	CMS	2	50	0.0	10	90nΔ	75n	75n	1.0u%		-55	125	4	G02192	TO116
7	MC14071CL,P% 2			MOS	9.99%	.01*†	CMS	2	50	0.0	10	135nΔ	110n	110n	10u%		-40	85	4	G02192	TO116
8	MC14570AL	2		MOS	9.99%	.01*†	CMS	2	50	0.0	10	45n%	75n	75n	1.0u%		-55	125	4	G02192	TO116
9	MC14570CL,P% 2			MOS	9.99%	.01*†	CMS	2	50	0.0	10	45n%	110n	110n	10u%		-40	85	4	G02192	TO116
10	SCL4071AC	2		MOS	9.99%	.01*†	CMS	2		0.0	10	75nΔ			1.0u%	4.5	-55	125	4	G02193	M475a
11	SCL4071AD	2		MOS	9.99%	.01*†	CMS	2		0.0	10	75nΔ			1.0u%	4.5	-55	125	4	G02193	M475b
12	SCL4071AE	2		MOS	9.99%	.01*†	CMS	2		0.0	10	75nΔ			1.0u%	4.5	-40	85	4	G02193	M475c
13	SCL4071AF	2		MOS	9.99%	.01*†	CMS	2		0.0	10	75nΔ			1.0u%	4.5	-55	125	4	G02193	FP110
14	SCL4071AH	2		MOS	9.99%	.01*†	CMS	2		0.0	10	75nΔ			1.0u%	4.5	-55	125	4	G02193	FCℤ
15	SCL4072AC	2		MOS	9.99%	.01*†	CMS	4		0.0	10	75nΔ			1.0u%	4.5	-55	125	2	G02193a	M475a
16	SCL4072AD	2		MOS	9.99%	.01*†	CMS	4		0.0	10	75nΔ			1.0u%	4.5	-55	125	2	G02193a	M475b
17	SCL4072AE	2		MOS	9.99%	.01*†	CMS	4		0.0	10	75nΔ			1.0u%	4.5	-40	85	2	G02193a	M475c
18	SCL4072AF	2		MOS	9.99%	.01*†	CMS	4		0.0	10	75nΔ			1.0u%	4.5	-55	125	2	G02193a	FP110
19	SCL4072AH	2		MOS	9.99%	.01*†	CMS	4		0.0	10	75nΔ			1.0u%	4.5	-55	125	2	G02193a	FCℤ
20	SCL4075AC	2		MOS	9.99%	.01*†	CMS	3		0.0	10	75nΔ			1.0u%	4.5	-55	125	3	G02193b	M475a
21	SCL4075AD	2		MOS	9.99%	.01*†	CMS	3		0.0	10	75nΔ			1.0u%	4.5	-55	125	3	G02193b	M475b
22	SCL4075AE	2		MOS	9.99%	.01*†	CMS	3		0.0	10	75nΔ			1.0u%	4.5	-40	85	3	G02193b	M475c
23	SCL4075AF	2		MOS	9.99%	.01*†	CMS	3		0.0	10	75nΔ			1.0u%	4.5	-55	125	3	G02193b	FP110
24	SCL4075AH	2		MOS	9.99%	.01*†	CMS	3		0.0	10	75nΔ			1.0u%	4.5	-55	125	3	G02193b	FCℤ
25	CD4071BD	2		MOS	10	0.0	CMS	2	4	0.0	10	200nΔ			200m	4.5 Δ	-55	125	4	G02193	Δ001AD
26	CD4071BE	2		MOS	10	0.0	CMS	2	4	0.0	10	200nΔ			200m	4.5 Δ	-40	85	4	G02193	Δ001AB
27	CD4071BF	2		MOS	10	0.0	CMS	2	4	0.0	10	200nΔ			200m	4.5 Δ	-55	125	4	G02193	Δ001AB
28	CD4071BK	2		MOS	10	0.0	CMS	2	4	0.0	10	200nΔ			200m	4.5 Δ	-55	125	4	G02193	Δ004AF
29	CD4072BD	2		MOS	10	0.0	CMS	4	2	0.0	10	200nΔ			200m	4.5 Δ	-55	125	2	G02193a	Δ001AD
30	CD4072BE	2		MOS	10	0.0	CMS	4	2	0.0	10	200nΔ			200m	4.5 Δ	-40	85	2	G02193a	Δ001AB
31	CD4072BF	2		MOS	10	0.0	CMS	4	2	0.0	10	200nΔ			200m	4.5 Δ	-55	125	2	G02193a	Δ001AB
32	CD4072BK	2		MOS	10	0.0	CMS	4	2	0.0	10	200nΔ			200m	4.5 Δ	-55	125	2	G02193a	Δ004AF
33	CD4075BD	2		MOS	10	0.0	CMS	3	3	0.0	10	200nΔ			200m	4.5 Δ	-55	125	3	G02193b	Δ001AD
34	CD4075BE	2		MOS	10	0.0	CMS	3	3	0.0	10	200nΔ			200m	4.5 Δ	-40	85	3	G02193b	Δ001AB
35	CD4075BF	2		MOS	10	0.0	CMS	3	3	0.0	10	200nΔ			200m	4.5 Δ	-55	125	3	G02193b	Δ001AB
36	CD4075BK	2		MOS	10	0.0	CMS	3	3	0.0	10	200nΔ			200m	4.5 Δ	-55	125	3	G02193b	Δ004AF
37#	ZN219	2		MON	.20	4.0	DTL	4	8	0.0	5.0	9.0n			19m	1.0	-55	125	2		TO88
38#	ZN219E	2		MON	.20	4.0	DTL	4	8	0.0	5.0	9.0n			19m	1.0	-55	125	2		M126
39#	ZN220	2		MON	.20	4.0	DTL	4	8	0.0	5.0	9.0n			19m	1.0	-55	125	2		TO88
40#	ZN220E	2		MON	.20	4.0	DTL	4	8	0.0	5.0	9.0n			19m	1.0	-55	125	2		M126
41#	ZN233	2		MON	.20	4.0	DTL	4	8	0.0	5.0	9.0n			19m	1.0	-55	125	2		TO88
42#	ZN233E	2		MON	.20	4.0	DTL	4	8	0.0	5.0	9.0n			19m	1.0	-55	125	2		M126
43#	ZN319	2		MON	.20	4.0	DTL	4	8	0.0	5.0	15n			19m	1.0	-55	125	2		TO88
44#	ZN319E	2		MON	.20	4.0	DTL	4	8	0.0	5.0	15n			19m	1.0	0	70	2		M126
45#	ZN320	2		MON	.20	4.0	DTL	4	8	0.0	5.0	15n			19m	1.0	-55	125	2		TO88
46#	ZN320E	2		MON	.20	4.0	DTL	4	8	0.0	5.0	15n			19m	1.0	0	70	2		M126
47#	ZN333	2		MON	.20	4.0	DTL	4	8	0.0	5.0	15n			19m	1.0	-55	125	2		TO88
48#	ZN333E	2		MON	.20	4.0	DTL	4	8	0.0	5.0	15n			19m	1.0	0	70	2		M126
49#	ZST112A	2		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	2		CN2
50#	ZST112B	2		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	2		CN2
51#	ZST132A	2		MON	.20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	0	70	2		CN2
52#	ZST132B	2		MON	.20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	0	70	2		CN2
53	SW1808M	2		MON	1.9%	1.2*	DTL	2	8†	0.0	8.0	30n			100m†	1.0	0	75	4	G02136	M105n
54	SW1808P	2		MON	1.9%	1.2*	DTL	2	8†	0.0	8.0	30n			100m†	1.0	0	75	4	G02136	M114
55	502C	2	5.0M	PCB	2.0%	.45*	DTL	2	8	0.0	7.0	35n%	2.0n†		300m†		0	70	12		CB62
56	MC1908F	2		MON	2.6%	.40*†	DTL	2	8	0.0	5.0	35n			97m†		-55	125	4	G02136	TO86
57	MC1908L	2		MON	2.6%	.40*†	DTL	2	8	0.0	5.0	35n			97m†		-55	125	4	G02136	TO116
58	MC1909F	2		MON	2.6%	.40*†	DTL	2	7	0.0	5.0	30n			115m†		-55	125	4	G02136	TO86
59	MC1909L	2		MON	2.6%	.40*†	DTL	2	7	0.0	5.0	30n			115m†		-55	125	4	G02136	TO116
60	MC1808F	2		MON	2.6%	.45*†	DTL	2	8	0.0	5.0	35n			97m†		0	75	4	G02136	TO86
61	MC1808L,P%	2		MON	2.6%	.45*†	DTL	2	8	0.0	5.0	35n			97m†		0	75	4	G02136	TO116
62	MC1809F	2		MON	2.6%	.45*†	DTL	2	7	0.0	5.0	30n			115m†		0	75	4	G02136	TO86
63	MC1809L,P%	2		MON	2.6%	.45*†	DTL	2	7	0.0	5.0	30n			115m†		0	75	4	G02136	TO116
64	MOR12	2		PCB	2.6%	.45*	DTL	24		0.0	5.0	35n			300m†				12		
65♦	SP333A	2	35M		3.8%	.60*	DTL	3	16	0	6	35n			44m†	1.2	0	75	2		M114c
66♦#	FZH291	2		MON	7.5%	4.5*	DTL	3†	10	0.0	12	260n†	340n†	120n†	228m§	5.0 Δ	0	70	4	G02188	M117aa
67♦#	FZH295	2		MON	7.5%	4.5*	DTL	3†	10	0.0	12	260n†	340n†	120n†	228m§	5.0 Δ	-25	85	4	G02188	M117aa
68	10210B	2		MON			ECT	3		5.2	0.0	1.7n	1.5n†	1.5n†	150m†		-30	85	2	G02195	M256
69	10210F	2		MON			ECT	3		5.2	0.0	1.7n	1.5n†	1.5n†	150m†		-30	85	2	G02195	M153e
70#	GXB10110	2		MON	-.88	-1.7†	ECT	3		5.2	0.0	2.4n%	2.0n†	2.0n†	150m†		0	75	2	G02165	M200n
71	DM10110J	2		MON	-.96%	-1.6†*	ECT	3		5.2	0.0	3.5nΔ	3.5n	3.5n	197m%		-30	85	2	G02165	M200r
72	MC1664F	2		MON	-.96%	-1.6*†	ECT	2	70	5.2	0.0	1.1n	2.1n	2.1n	240m†		-30	85	4	G02169	FP85
73	MC1664L	2		MON	-.96%	-1.6†*	ECT	2	70	5.2	0.0	1.1n	2.1n	2.1n	240m†		-30	85	4	G02169	M191
74	MC10110L	2		MON	-.96%	-1.6*†	ECT	3		5.2	0.0	2.4n%	2.2n†	2.2n†	160m†		-30	85	2	G02165	M191
75	MC10110P	2		MON	-.96%	-1.6*†	ECT	3		5.2	0.0	2.4n%	2.2n†	2.2n†	160m†		-30	85	2	G02165	M278
76	MC10210L	2		MON	-.96%	-1.6*†	ECT	5Δ		5.2	0.0	1.5n%	1.5n†	1.5n†	150m†		-30	85	2	G02165	M191
77	MC10210P	2		MON	-.96%	-1.6*†	ECT	5Δ		5.2	0.0	1.5n%	1.5n†	1.5n†	150m†		-30	85	2	G02105	M278
78	10110B	2		MON	-.96%	-1.7*†	ECT	3		5.2	0.0	2.4n	3.5n	3.5n	150m%		-30	85	2	G02195	M256
79	10110F	2		MON	-.96%	-1.7*†	ECT	3		5.2	0.0	2.4n	3.5n	3.5n	150m%		-30	85	2	G02195	M153a
80	SN10103J	2		MON	-.98%	-1.6*	ECT	2		5.2	0.0	2.0n			100m†		0	85	4	G02199	M153d
81	SN10103N	2		MON	-.98%	-1.6*	ECT	2		5.2	0.0	2.0n			100m†		0	85	4	G02199	M117x
82	SN10110J	2		MON	-.98%	-1.6*	ECT	3		5.2	0.0				50m†		0	85	2	G02195	M153d
83	SN10110N	2		MON	-.98%	-1.6*	ECT	3		5.2	0.0				50m†		0	85	2	G02195	M117x
84	MC9715P	2	14M%	MON			RTL	2	5Δ	0.0	3.6				100m†		15	55	4	G02130	TO116
85	MC9815P	2	14M%	MON			RTL	2	5Δ	0.0	3.6				100m†		0	75	4	G02130	TO116
86	MC9725P	2		MON		.25#*	RTL	2	4	0.0	3.6	50n%			28m†		15	55	4	G02130a	TO116
87	MC9825P	2		MON		.25#*	RTL	2	4	0.0	3.6	50n%			28m†		0	75	4	G02130a	TO116
88♦	LCE309	2	3.0M	MOH	6.0	0.0†	RTL	5		6	12	25n	30n	36n	250m		-40	100	1	G0224	CN27
89♦	LCE411	2	3.0M	MOH	6.0	0.0†	RTL	4		6	12	25n	30n	36n	250m		-40	100	1	G0224a	M45
90#	GTB74S86P	2		MON			TTL	2	10	0.0	5.0	3.0n			37mΔ		0	70	4	G04377	
91	5512C	2	40M	PCB	2.0%	.45*	TTL	2	12	0.0	7.0	9.0n%		2.5n†	456m†		0	70	12		CB62
92▼	SN54LS32J	2		MON	2.0%	.70*	TTL	2	11	0.0	5.0	22nΔ			49m	1.0 *	-55	125	4	G02198	M157b
93▼	SN54LS32W	2		MON	2.0%	.70*	TTL	2	11	0.0	5.0	22nΔ			49m	1.0 *	-55	125	4	G02198	FP97a
94	DM5432J	2		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			176m§		-55	125	4	G02185	M294b
95	DM5432N	2		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			176m§		-55	125	4	G02185	M344
96	DM5432W	2		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			176m§		-55	125	4	G02185	FP97a
97	DM7432J	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			176m§		0	70	4	G02185	M294b
98	DM7432N	2		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			176m§		0	70	4	G02185	M344
99♦#	FLH631-7432	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			190m§	1.0 Δ	0	70	4	G02185	M126p
100♦#	FLH635-8432	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			190m§	1.0 Δ	-25	85	4	G02185	M126p
101	I754	2		PCB	2.0	.80	TTL	3	10	0.0	5.0	27n					0	70	12		CBℤ
102	I755	2		PCB	2.0	.80	TTL	2	10	0.0	5.0	27n					0	70	16		CBℤ
103♦#	MIC5432J	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			95m†		-55	125	4	G02198	TO116
104#	MIC6428J	2		MON	2.0%	.80*	TTL	2	30	0.0	5.0	15nΔ			100m†	500m	-40	85	4	G03233a	TO116
105#	MIC6432J	2		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ					-40	85	4		TO116
106♦#	MIC7432J	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			95m†		0	75	4	G02198	TO116
107♦#	MIC7432N	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			95m†	1.0 Δ	0	75	4	G02198	M126x
108#	MIC54138J	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		-55	125	4	G02189	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	MIC54139J	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		-55	125	4	G02189	TO116
2#	MIC64138J	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		-40	85	4	G02189	TO116
3#	MIC64139J	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		-40	85	4	G02189	TO116
4#	MIC74138J	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		0	75	4	G02189	TO116
5♦#	MIC74138N	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		0	75	4	G02189	M126x
6#	MIC74139J	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		0	75	4	G02189	TO116
7♦#	MIC74139N	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155m†		0	75	4	G02189	M126x
8	N74LS32A	2		MON	2.0%	.80*	TTL	2		0.0	5.0	14n			49m		0	70	4	G02198	M318
9	N74LS32F	2		MON	2.0%	.80*	TTL	2		0.0	5.0	14n			49m		0	70	4	G02198	M235a
10▼	N7432A	2		MON	2.0%	.80*	TTL	2	20	0.0	5.0	22nΔ			190m§	1.0 †	0	70	4	G02185	M318
11▼	N7432F	2		MON	2.0%	.80*	TTL	2	20	0.0	5.0	22nΔ			190m§	1.0 †	0	70	4	G02185	M257f
12♦	N7486A	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			250m§	1.0 †	0	70	4	G0572b	M318
13▼	N7486F	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			250m§	1.0 †	0	70	4	G0572b	M257f
14▼	S5432A	2		MON	2.0%	.80*	TTL	2	20	0.0	5.0	22nΔ			190m§	1.0 †	-55	125	4	G02185	M318
15▼	S5432F	2		MON	2.0%	.80*	TTL	2	20	0.0	5.0	22nΔ			190m§	1.0 †	-55	125	4	G02185	M257f
16▼	S5432W	2		MON	2.0%	.80*	TTL	2	20	0.0	5.0	22nΔ			190m§	1.0 †	-55	125	4	G02185	FP39e
17♦	S5486A	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			215m§	1.0 †	-55	125	4	G0572b	M318
18♦	S5486F	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			215m§	1.0 †	-55	125	4	G0572b	M257f
19▼	S5486W	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			215m§	1.0 †	-55	125	4	G0572b	FP47g
20	SN54S32J	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0nΔ			340m§	1.0 Δ	-55	125	4	G01253	M157b
21	SN54S32W	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0nΔ			340m§	1.0 Δ	-55	125	4	G01253	Δ004AA
22▼	SN74LS32J	2		MON	2.0%	.80*	TTL	2	22	0.0	5.0	22nΔ			49m	1.0 *	0	70	4	G02198	M157b
23▼	SN74LS32N	2		MON	2.0%	.80*	TTL	2	22	0.0	5.0	22nΔ			49m	1.0 *	0	70	4	G02198	M126e
24	SN74S32J	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0nΔ			340m§	1.0 Δ	0	70	4	G01253	M157b
25	SN74S32N	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0nΔ			340m§	1.0 Δ	0	70	4	G01253	M126e
26	SN5432J	2		MON	2.0%	.80*	TTL	2	20Δ	0.0	5.0	22nΔ			190m%	1.0 Δ	-55	125	4	G02185	M157b
27	SN5432N	2		MON	2.0%	.80*	TTL	2	20Δ	0.0	5.0	22nΔ			190m%	1.0 Δ	-55	125	4	G02185	M126e
28	SN5432W	2		MON	2.0%	.80*	TTL	2	20Δ	0.0	5.0	22nΔ			190m%	1.0 Δ	-55	125	4	G02185	Δ004AA
29	SN7432J	2		MON	2.0%	.80*	TTL	2	20Δ	0.0	5.0	22nΔ			190m%	1.0 Δ	0	70	4	G02185	M157b
30	SN7432N	2		MON	2.0%	.80*	TTL	2	20Δ	0.0	5.0	22nΔ			190m%	1.0 Δ	0	70	4	G02185	M126e
31	SN7432W	2		MON	2.0%	.80*	TTL	2	20Δ	0.0	5.0	22nΔ			190m%	1.0 Δ	0	70	4	G02185	Δ004AA
32	US5418A	2		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ	18n	8.0n			-55	125	3	G02135	M105b
33	US5418J	2		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ	18n	8.0n			-55	125	3	G02135	TO88
34	US5432A	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ	18n	8.0n			-55	125	4	G02135a	M105b
35	US5432J	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ	18n	8.0n			-55	125	5	G02135a	TO88
36	US7418A	2		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ	18n	8.0n			0	70	3	G02135	M105b
37	US7418J	2		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ	18n	8.0n			0	70	3	G02135	TO88
38	US7432A	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ	18n	8.0n			0	70	4	G02135a	M105b
39	US7432J	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ	18n	8.0n			0	70	4	G02135a	TO88
40#	ZN5432E	2		MON	2.0%	.80*	TTL	2	20Δ	0.0	5.0	22nΔ			190m%	1.0 Δ	-55	125	4	G02185	TO116
41#	ZN5432J	2		MON	2.0%	.80*	TTL	2	20Δ	0.0	5.0	22nΔ			190m%	1.0 Δ	-55	125	4	G02185	M257e
42#	ZN7432E	2		MON	2.0%	.80*	TTL	2	20Δ	0.0	5.0	22nΔ			190m%	1.0 Δ	0	70	4	G02185	TO116
43#	ZN7432J	2		MON	2.0%	.80*	TTL	2	20Δ	0.0	5.0	22nΔ			190m%	1.0 Δ	0	70	4	G02185	M257e
44	MC3103F	2		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	9.0n			150mt		-55	125	4	G02126	TO86
45	MC3103L	2		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	9.0n%			150mt		-55	125	4	G02126	TO116
46	MC3003F	2		MON	2.5%	.40*†	TTL	2	10	0.0	5.0	9.0n%			150mt		0	75	4	G02126	TO86
47	MC3003L,P%	2		MON	2.5%	.40*†	TTL	2	10	0.0	5.0	9.0n%			150mt		0	75	4	G02126	TO116
48	RG52D	2	20M	MON	3.1%	.40*	TTL	11Δ	12†	0.0	5.0	23nΔ	8.0n	6.0n	30mt	900m	0	75	1	G0218	M105ar
49	RG52K	2	20M	MON	3.1%	.40*	TTL	11Δ	12†	0.0	5.0	23nΔ	8.0n	6.0n	30mt	900m	0	75	1	G0218	FP21b
50	RG53D	2	20M	MON	3.1%	.40*	TTL	11Δ	6†	0.0	5.0	23nΔ	8.0n	6.0n	30mt	900m	0	75	1	G0218	M105ar
51	RG53K	2	20M	MON	3.1%	.40*	TTL	11Δ	6†	0.0	5.0	23nΔ	8.0n	6.0n	30mt	900m	0	75	1	G0218	FP21b
52	RG50D	2	20M	MON	3.2%	.40*	TTL	11Δ	15†	0.0	5.0	23nΔ	8.0n	6.0n	30mt	900m	-55	125	1	G0218	M105ar
53	RG50K	2	20M	MON	3.2%	.40*	TTL	11Δ	15†	0.0	5.0	23nΔ	8.0n	6.0n	30mt	900m	-55	125	1	G0218	FP21b
54	RG51D	2	20M	MON	3.2%	.40*	TTL	11Δ	7†	0.0	5.0	23nΔ	8.0n	6.0n	30mt	900m	-55	125	1	G0218	M105ar
55	RG51K	2	20M	MON	3.2%	.40*	TTL	11Δ	7†	0.0	5.0	23nΔ	8.0n	6.0n	30mt	900m	-55	125	1	G0218	FP21b
56	SNG50J	2	20M	MON	3.3	.26	TTL	9	15†	0.0	5.0	12n	6.0n	8.0n	30m	900m	-55	125	1	G0218	M157b
57	SNG50W	2	20M	MON	3.3	.26	TTL	9	15†	0.0	5.0	12n	6.0n	8.0n	30m	900m	-55	125	1	G0218	Δ004AF
58	SNG51J	2	20M	MON	3.3	.26	TTL	9	5	0.0	5.0	12n	6.0n	8.0n	30m	900m	-55	125	1	G0218	M157b
59	SNG51W	2	20M	MON	3.3	.26	TTL	9	7†	0.0	5.0	12n	6.0n	8.0n	30m	900m	-55	125	1	G0218	Δ004AF
60	SNG52J	2	20M	MON	3.3	.26	TTL	9	12†	0.0	5.0	12n	6.0n	8.0n	30m	900m	0	75	1	G0218	M157b
61	SNG52W	2	20M	MON	3.3	.26	TTL	9	12†	0.0	5.0	12n	6.0n	8.0n	30m	900m	0	75	1	G0218	Δ004AF
62	SNG53J	2	20M	MON	3.3	.26	TTL	9	6†	0.0	5.0	12n	6.0n	8.0n	30m	900m	0	75	1	G0218	M157b
63	SNG53W	2	20M	MON	3.3	.26	TTL	9	6†	0.0	5.0	12n	6.0n	8.0n	30m	900m	0	75	1	G0218	Δ004AF
64	SNG100J	2	20M	MON	3.3	.26	TTL	10Δ	15†	0.0	5.0	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	M157b
65	SNG100W	2	20M	MON	3.3	.26	TTL	10Δ	15†	0.0	5.0	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	Δ004AF
66	SNG101J	2	20M	MON	3.3	.26	TTL	10Δ	7†	0.0	5.0	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	M157b
67	SNG101W	2	20M	MON	3.3	.26	TTL	10Δ	7†	0.0	5.0	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	Δ004AF
68	SNG102J	2	20M	MON	3.3	.26	TTL	10Δ	12†	0.0	5.0	12n	6.0n	8.0n	25m	900m	0	75	1	G0219	M157b
69	SNG102W	2	20M	MON	3.3	.26	TTL	10Δ	12†	0.0	5.0	12n	6.0n	8.0n	25m	900m	0	75	1	G0219	Δ004AF
70	SNG103J	2	20M	MON	3.3	.26	TTL	10Δ	6†	0.0	5.0	12n	6.0n	8.0n	25m	900m	0	75	1	G0219	M157b
71	SNG103W	2	20M	MON	3.3	.26	TTL	10Δ	6†	0.0	5.0	12n	6.0n	8.0n	25m	900m	0	75	1	G0219	Δ004AF
72	SNG110J	2	20M	MON	3.3	.26	TTL	9Δ	15†	0.0	5.0	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	M157b
73	SNG110W	2	20M	MON	3.3	.26	TTL	9Δ	15†	0.0	5.0	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	Δ004AF
74	SNG111J	2	20M	MON	3.3	.26	TTL	9Δ	7†	0.0	5.0	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	M157b
75	SNG111W	2	20M	MON	3.3	.26	TTL	9Δ	7†	0.0	5.0	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	Δ004AF
76	SNG112J	2	20M	MON	3.3	.26	TTL	9Δ	12†	0.0	5.0	12n	6.0n	8.0n	20m	900m	0	75	1	G0220	M157b
77	SNG112W	2	20M	MON	3.3	.26	TTL	9Δ	12†	0.0	5.0	12n	6.0n	8.0n	20m	900m	0	75	1	G0220	Δ004AF
78	SNG113J	2	20M	MON	3.3	.26	TTL	9Δ	6†	0.0	5.0	12n	6.0n	8.0n	20m	900m	0	75	1	G0220	M157b
79	SNG113W	2	20M	MON	3.3	.26	TTL	9Δ	6†	0.0	5.0	12n	6.0n	8.0n	20m	900m	0	75	1	G0220	Δ004AF
80	TRWG50#1	2	20M	MON	3.3	.26	TTL	9	15†	0.0	5.0	12n	6.0n	8.0n	30m	900m	-55	125	1	G0218	M157
81	TRWG50#2	2	20M	MON	3.3	.26	TTL	9	15†	0.0	5.0	12n	6.0n	8.0m	30m	900m	-55	125	1	G0218	M126
82	TRWG100#1	2	20M	MON	3.3	.26	TTL	10	7	0.0	5.0	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	M157
83	TRWG100#2	2	20M	MON	3.3	.26	TTL	10	7	0.0	5.0	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	M126
84	TRWG110#1	2	20M	MON	3.3	.26	TTL	9	15	0.0	5.0	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	M157
85	TRWG110#2	2	20M	MON	3.3	.26	TTL	9	15	0.0	5.0	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	M126
86	RG70D	2	20M	MON	3.4	.20	TTL	4	15	0.0	5.0	12n			40mt	1.1	-55	125	2	G01156	M105m
87	RG70K	2	20M	MON	3.4	.20	TTL	4	15	0.0	5.0	12n			40mt	1.1	-55	125	2	G01156	FP21b
88	RG71D	2	20M	MON	3.4	.20	TTL	4	7	0.0	5.0	12n			40mt	1.1	-55	125	2	G01156	M105m
89	RG71K	2	20M	MON	3.4	.20	TTL	4	7	0.0	5.0	12n			40mt	1.1	-55	125	2	G01156	FP21b
90	RG72D	2	20M	MON	3.4	.20	TTL	4	12	0.0	5.0	12n			40mt	1.1	0	75	2	G01156	M105m
91	RG72K	2	20M	MON	3.4	.20	TTL	4	12	0.0	5.0	12n			40mt	1.1	0	75	2	G01156	FP21b
92	RG73D	2	20M	MON	3.4	.20	TTL	4	6	0.0	5.0	12n			40mt	1.1	0	75	2	G01156	M105m
93	RG73K	2	20M	MON	3.4	.20	TTL	4	6	0.0	5.0	12n			40mt	1.1	0	75	2	G01156	FP21b
94	RG100D	2	20M	MON	3.4	.20	TTL	9	15	0.0	5.0	12n			75mt	1.1	-55	125	3	G0219	M105m
95	RG100K	2	20M	MON	3.4	.20	TTL	9	15	0.0	5.0	12n			75mt	1.1	-55	125	3	G0219	FP21b
96	RG101D	2	20M	MON	3.4	.20	TTL	9	7	0.0	5.0	12n			75mt	1.1	-55	125	3	G0219	M105m
97	RG101K	2	20M	MON	3.4	.20	TTL	9	7	0.0	5.0	12n			75mt	1.1	-55	125	3	G0219	FP21b
98	RG102D	2	20M	MON	3.4	.20	TTL	9	12	0.0	5.0	12n			75mt	1.1	0	75	3	G0219	M105m
99	RG102K	2	20M	MON	3.4	.20	TTL	9	12	0.0	5.0	12n			75mt	1.1	0	75	3	G0219	FP21b
100	RG103D	2	20M	MON	3.4	.20	TTL	9	6	0.0	5.0	12n			75mt	1.1	0	75	3	G0219	M105m
101	RG103K	2	20M	MON	3.4	.20	TTL	9	6	0.0	5.0	12n			75mt	1.1	0	75	3	G0219	FP21b
102	RG110D	2	20M	MON	3.4	.20	TTL	8	15	0.0	5.0	12n			20mt	1.1	-55	125	1	G0220	M105m
103	RG110K	2	20M	MON	3.4	.20	TTL	8	15	0.0	5.0	12n			20mt	1.1	-55	125	1	G0220	FP21b
104	RG111D	2	20M	MON	3.4	.20	TTL	8	7	0.0	5.0	12n			20mt	1.1	-55	125	1	G0220	M105m
105	RG111K	2	20M	MON	3.4	.20	TTL	8	7	0.0	5.0	12n			20mt	1.1	-55	125	1	G0220	FP21b
106	RG112D	2	20M	MON	3.4	.20	TTL	8	12	0.0	5.0	12n			20mt	1.1	0	75	1	G0220	M105m
107	RG112K	2	20M	MON	3.4	.20	TTL	8	12	0.0	5.0	12n			20mt	1.1	0	75	1	G0220	FP21b
108	RG113D	2	20M	MON	3.4	.20	TTL	8	6	0.0	5.0	12n			20mt	1.1	0	75	1	G0220	M105m
109	RG113K	2	20M	MON	3.4	.20	TTL	8	6	0.0	5.0	12n			20mt	1.1	0	75	1	G0220	FP21b
110	RG210D	2		MON	3.5	.20	TTL	8	11	0.0	5	7.0n			60mt	1.0	-55	125	2	G01163	M105m

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	RG210K	2		MON	3.5	.20	TTL	8	11	0.0	5	7.0n			60mt	1.0	-55	125	2	G01163	FP28
2	RG211D	2		MON	3.5	.20	TTL	8	6	0.0	5	7.0n			60mt	1.0	-55	125	2	G01163	M105m
3	RG211K	2		MON	3.5	.20	TTL	8	6	0.0	5	7.0n			60mt	1.0	-55	125	2	G01163	FP28
4	RG212D	2		MON	3.5	.20	TTL	8	9	0.0	5.0	7.0n			60mt	1.0	0	75	2	G01163	M105m
5	RG212K	2		MON	3.5	.20	TTL	8	9	0.0	5.0	7.0n			60mt	1.0	0	75	2	G01163	FP28
6	RG213D	2		MON	3.5	.20	TTL	8	5	0.0	5.0	7.0n			60mt	1.0	0	75	2	G01163	M105m
7	RG213K	2		MON	3.5	.20	TTL	8	5	0.0	5.0	7.0n			60mt	1.0	0	75	2	G01163	FP28
8	RG230D	2		MON	3.5	.20	TTL	5		0.0	5	2.0n			28mt	1.0	-55	125	4	G06109	M105m
9	RG230K	2		MON	3.5	.20	TTL	5		0.0	5	2.0n			28mt	1.0	-55	125	4	G06109	FP28
10	RG231D	2		MON	3.5	.20	TTL	5		0.0	5	2.0n			28mt	1.0	-55	125	4	G06109	M105m
11	RG231K	2		MON	3.5	.20	TTL	5		0.0	5	2.0n			28mt	1.0	-55	125	4	G06109	FP28
12	RG232D	2		MON	3.5	.20	TTL	5		0.0	5	2.0n			28mt	1.0	0	75	4	G06109	M105m
13	RG232K	2		MON	3.5	.20	TTL	5		0.0	5	2.0n			28mt	1.0	0	75	4	G06109	FP28
14	RG233D	2		MON	3.5	.20	TTL	5		0.0	5	2.0n			28mt	1.0	0	75	4	G06109	M105m
15	RG233K	2		MON	3.5	.20	TTL	5		0.0	5	2.0n			28mt	1.0	0	75	4	G06109	FP28
16	RG250D	2		MON	3.5	.20	TTL	9	11	0.0	5.0	8.0n			160mt	1.0	-55	125	4	G01164	M105m
17	RG250K	2		MON	3.5	.20	TTL	9	11	0.0	5.0	8.0n			160mt	1.0	-55	125	4	G01164	FP28
18	RG251D	2		MON	3.5	.20	TTL	9	6	0.0	5.0	8.0n			160mt	1.0	-55	125	4	G01164	M105m
19	RG251K	2		MON	3.5	.20	TTL	9	6	0.0	5.0	8.0n			160mt	1.0	-55	125	4	G01164	FP28
20	RG252D	2		MON	3.5	.20	TTL	9	9	0.0	5.0	8.0n			160mt	1.0	0	75	4	G01164	M105m
21	RG252K	2		MON	3.5	.20	TTL	9	9	0.0	5.0	8.0n			160mt	1.0	0	75	4	G01164	FP28
22	RG253D	2		MON	3.5	.20	TTL	9	5	0.0	5.0	8.0n			160mt	1.0	0	75	4	G01164	M105m
23	RG253K	2		MON	3.5	.20	TTL	9	5	0.0	5.0	8.0n			160mt	1.0	0	75	4	G01164	FP28
24	RG270D	2		MON	3.5	.20	TTL	4		0.0	5	1.0n			28mt	1.0	-55	125	2	G06111	M105m
25	RG270K	2		MON	3.5	.20	TTL	4		0.0	5	1.0n			28mt	1.0	-55	125	2	G06111	FP28
26	RG271D	2		MON	3.5	.20	TTL	4		0.0	5	1.0n			28mt	1.0	-55	125	2	G06111	M105m
27	RG271K	2		MON	3.5	.20	TTL	4		0.0	5	1.0n			28mt	1.0	-55	125	2	G06111	FP28
28	RG272D	2		MON	3.5	.20	TTL	4		0.0	5	1.0n			28mt	1.0	0	75	2	G06111	M105m
29	RG272K	2		MON	3.5	.20	TTL	4		0.0	5	1.0n			28mt	1.0	0	75	2	G06111	FP28
30	RG273D	2		MON	3.5	.20	TTL	4		0.0	5	1.0n			28mt	1.0	0	75	2	G06111	M105m
31	RG273K	2		MON	3.5	.20	TTL	4		0.0	5	1.0n			28mt	1.0	0	75	2	G06111	FP28
32	RG300D	2		MON	3.5	.20	TTL	9	11	0.0	5.0	7.0n			105mt	1.0	-55	125	3	G01159	M105m
33	RG300K	2		MON	3.5	.20	TTL	9	11	0.0	5.0	7.0n			105mt	1.0	-55	125	3	G01159	FP28
34	RG301D	2		MON	3.5	.20	TTL	9	6	0.0	5.0	7.0n			105mt	1.0	-55	125	3	G01159	M105m
35	RG301K	2		MON	3.5	.20	TTL	9	6	0.0	5.0	7.0n			105mt	1.0	-55	125	3	G01159	FP28
36	RG302D	2		MON	3.5	.20	TTL	9	9	0.0	5.0	7.0n			105mt	1.0	0	75	3	G01159	M105m
37	RG302K	2		MON	3.5	.20	TTL	9	9	0.0	5.0	7.0n			105mt	1.0	0	75	3	G01159	FP28
38	RG303D	2		MON	3.5	.20	TTL	9	5	0.0	5.0	7.0n			105mt	1.0	0	75	3	G01159	M105m
39	RG303K	2		MON	3.5	.20	TTL	9	5	0.0	5.0	7.0n			105mt	1.0	0	75	3	G01159	FP28
40	RG310D	2		MON	3.5	.20	TTL	4	11	0.0	5.0	7.0n			60mt	1.0	-55	125	2	G01158	M105m
41	RG310K	2		MON	3.5	.20	TTL	4	11	0.0	5.0	7.0n			60mt	1.0	-55	125	2	G01158	FP28
42	RG311D	2		MON	3.5	.20	TTL	4	6	0.0	5	7.0n			60mt	1.0	-55	125	2	G01158	M105m
43	RG311K	2		MON	3.5	.20	TTL	4	6	0.0	5	7.0n			60mt	1.0	-55	125	2	G01158	FP28
44	RG312D	2		MON	3.5	.20	TTL	4	9	0.0	5	7.0n			60mt	1.0	0	75	2	G01158	M105m
45	RG312K	2		MON	3.5	.20	TTL	4	9	0.0	5	7.0n			60mt	1.0	0	75	2	G01158	FP28
46	RG313D	2		MON	3.5	.20	TTL	4	5	0.0	5	7.0n			60mt	1.0	0	75	2	G01158	M105m
47	RG313K	2		MON	3.5	.20	TTL	4	5	0.0	5	7.0n			60mt	1.0	0	75	2	G01158	FP28
48	SP334A	2		MON	3.8%	.6*†	TTL	5Δ	11	0	5.5	35n%			44mt	1.7 Δ	0	75	2	G0278b	TO116
49	SP374A	2		MON	3.8%	.6*†	TTL	3	11	0	5.5	35n%			44mt	1.7 Δ	0	75	3	G0278c	TO116
50	SP375A	2		MON	3.8%	.6*†	TTL	3Δ	11	0	5.5	35n%			44mt	1.7 Δ	0	75	3	G0278d	TO116
51	SP384A	2		MON	3.8%	.6*†	TTL	2	11	0	5.5	35n%			44mt	1.7 Δ	0	75	4	G0278e	TO116
52	10118B	2,1	150M	MON-.85		-1.7	ECT	6	10	5.2	0.0	2.3n	2.5nt	2.5nt	100mt	200m	-30	85	2	G02182	M256
53	10118F	2,1	150M	MON-.85		-1.7	ECT	6	10	5.2	0.0	2.3n	2.5nt	2.5nt	100mt	200m	-30	85	2	G02182	M153a
54	10119B	2,1	150M	MON-.85		-1.7	ECT	12	10	5.2	0.0	2.3n	2.5nt	2.5nt	100mt	200m	-30	85	1	G02183	M256
55	10119F	2,1	150M	MON-.85		-1.7	ECT	12	10	5.2	0.0	2.3n	2.5nt	2.5nt	100mt	200m	-30	85	1	G02183	M153a
56#	GXB10118	2,1		MON-.88		-1.7†	ECT	6		5.2	0.0	2.3n%	2.5nt	2.5nt	100mt		0	75	2	G02167	M200n
57#	GXB10119	2,1		MON-.88		-1.7†	ECT	4†		5.2	0.0	2.3n%	2.5nt	2.5nt	100mt		0	75	4	G02168	M200n
58	MC10518F	2,1		MON-.93%		-1.6*†	ECT	6		5.2	0.0	3.4nΔ	4.0n	4.0n	100mt		-55	125	2	G02167	FP85
59	MC10518L	2,1		MON-.93%		-1.6*†	ECT	6		5.2	0.0	3.4nΔ	4.0n	4.0n	100mt		-55	125	2	G02167	M191
60	MC10519F	2,1		MON-.93%		-1.6*†	ECT	4†		5.2	0.0	3.4nΔ	4.0n	4.0n	100mt		-55	125	4	G02168	FP85
61	MC10519L	2,1		MON-.93%		-1.6*†	ECT	4†		5.2	0.0	3.4nΔ	4.0n	4.0n	100mt		-55	125	4	G02168	M191
62	MC10521F	2,1		MON-.93%		-1.6*†	ECT	3		5.2	0.0	3.4nΔ	4.0n	4.0n	100mt		-55	125	4	G02184	FP85
63	MC10521L	2,1		MON-.93%		-1.6*†	ECT	3		5.2	0.0	3.4nΔ	4.0n	4.0n	100mt		-55	125	4	G02184	M191
64	MC10118L	2,1		MON-.96%		-1.6*†	ECT	6		5.2	0.0	2.3n%	4.0n	4.0n	100mt		-30	85	2	G02167	M191
65	MC10118P	2,1		MON-.96%		-1.6*†	ECT	6		5.2	0.0	2.3n%	4.0n	4.0n	100mt		-30	85	2	G02167	M278
66	MC10119L	2,1		MON-.96%		-1.6*†	ECT	4†		5.2	0.0	2.3n%	4.0n	4.0n	100mt		-30	85	4	G02168	M191
67	MC10119P	2,1		MON-.96%		-1.6*†	ECT	4†		5.2	0.0	2.3n%	4.0n	4.0n	100mt		-30	85	4	G02168	M278
68	SN10118J	2,1		MON-.98%		-1.6*	ECT	6		5.2	0.0	2.6n			50mt		0	85	2	G02182	M153d
69	SN10118N	2,1		MON-.98%		-1.6*	ECT	6		5.2	0.0	2.6n			50mt		0	85	2	G02182	M117x
70	SN10119J	2,1		MON-.98%		-1.6*	ECT	7†		5.2	0.0	2.9n			25mt		0	85	1	G02183	M153d
71	SN10119N	2,1		MON-.98%		-1.6*	ECT	7†		5.2	0.0	2.9n			25mt		0	85	1	G02183	M117x
72	9966DC	2,1		MON			RTL	4†	11	2.0	4.5	3.0n			1.0		15	55	3	G02120	TO116
73	9971DC	2,1		MON			RTL	4	11	2.0	4.5	3.0n			2.0		15	55	2	G02120b	TO116
74	9956DC	2,1		MON	2.6	-.45†	RTL	2	25	2.0	4.5	14n			2.0		15	55	2	G01179	TO116
75	MC10517F	2,1G		MON-.93%		-1.6*†	ECT	5		5.2	0.0	3.4nΔ	4.0n	4.0n	100mt		-55	125	2	G02166	FP85
76	MC10517L	2,1G		MON-.93%		-1.6*†	ECT	5		5.2	0.0	3.4nΔ	4.0n	4.0n	100mt		-55	125	2	G02166	M191
77	MC10117L	2,1G		MON-.96%		-1.6*†	ECT	5		5.2	0.0	2.3n%	4.0n	4.0n	100mt		-30	85	2	G02166	M191
78	MC10117P	2,1G		MON-.96%		-1.6*†	ECT	5		5.2	0.0	2.3n%	2.2nt	2.2nt	100mt		-30	85	2	G02166	M278
79	MC10121L	2,1G		MON-.96%		-1.6*†	ECT	3		5.2	0.0	2.3n%	4.0n	4.0n	100mt		-30	85	4	G02184	M191
80	MC10121P	2,1G		MON-.96%		-1.6*†	ECT	3		5.2	0.0	2.3n%	2.5nt	2.5nt	100mt		-30	85	4	G02184	M278
81	10121B	2,1S	150M	MON-.85		-1.7	ECT	11	10	5.2	0.0	2.3n	2.5nt	2.5nt	100mt	200m	-30	85	1	G02184	M256
82	10121F	2,1S	150M	MON-.85		-1.7	ECT	11	10	5.2	0.0	2.3n	2.5nt	2.5nt	100mt	200m	-30	85	1	G02184	M153a
83#	GXB10117	2,1S		MON-.88		-1.7†	ECT	5		5.2	0.0	2.3n%	2.2nt	2.2nt	100mt		0	75	2	G02166	M200n
84#	GXB10121	2,1S		MON-.88		-1.7†	ECT	3		5.2	0.0	2.3n%	2.5nt	2.5nt	100mt		0	75	4	G02184	M200n
85	SN10117J	2,1S		MON-.98%		-1.6*	ECT	5		5.2	0.0	2.5n			50mt		0	85	2	G01229	M153d
86	SN10117N	2,1S		MON-.98%		-1.6*	ECT	5		5.2	0.0	2.5n			50mt		0	85	2	G01229	M117x
87	SN10121J	2,1S		MON-.98%		-1.6*	ECT	6		5.2	0.0	2.9n			25mt		0	85	1	G02184	M153d
88	SN10121N	2,1S		MON-.98%		-1.6*	ECT	6		5.2	0.0	2.9n			25mt		0	85	1	G02184	M117x
89	9502DC	2,3	150M	MON-.90		-1.7	CML	9	10	5.2	0.0	2.5n	4.5n	4.5n	230m	300m	0	75	1	G02139	M200b
90	9503DC	2,3	150M	MON-.90		-1.7	CML	7	10	5.2	0.0	2.5n	4.5n	4.5n	310m	300m	0	75	1	G02139a	M200b
91	10212B	2,3		MON			ECT	3		5.2	0.0	1.7n	1.5nt	1.5nt	150mt		-30	85	2	G02196	M256
92	10212F	2,3		MON			ECT	3		5.2	0.0	1.7n	1.5nt	1.5nt	150mt		-30	85	2	G02196	M153e
93	HEP556-RT	2,3			.75	1.55	ECT	3	5	0.0	6.0	15n			37m				1		CN8
94♦#	SP1001	2,3		MON-.75		-1.6†	ECT	6	25	5.2	0.0	4.0n			115mt		0	75	1	G02203	M257a
95#	SP1004	2,3		MON-.75		-1.6†	ECT	4	2.5	5.2	0.0	4.0n%			95mt		0	75	2	G02187	M257a
96♦#	SP1201	2,3		MON-.75		-1.6†	ECT	6	25	5.2	0.0	4.0n			115mt		-55	125	1	G02203	M257a
97#	SP1204	2,3		MON-.75		-1.6†	ECT	4	2.5	5.2	0.0	4.0n%			95mt		-55	125	2	G02187	M257a
98	10101B	2,3	150M	MON-.85		-1.7	ECT	2†	10	5.2	0.0	2.0n	2.0nt	2.0nt	100mt	200m	-30	85	4		M256
99#	GXB10101	2,3		MON-.88		-1.7†	ECT	8		5.2	0.0	2.0n%	2.0nt	2.0nt	100mt		0	75	4	G02162	M200n
100#	GXB10105	2,3		MON-.88		-1.7†	ECT	3†		5.2	0.0	2.0n%	2.0nt	2.0nt	75mt		0	75	3	G02163	M200n
101#	GXB10109	2,3		MON-.88		-1.7†	ECT	5†		5.2	0.0	2.0n%	2.0nt	2.0nt	50mt		0	75	2	G02164	M200n
102	MC10501F	2,3		MON-.93%		-1.6*†	ECT	5	10	5.2	0.0	2.0n%	3.3n	3.3n	100mt		-55	125	4	G02178	FP85
103	MC10501L	2,3		MON-.93%		-1.6*†	ECT	5	10	5.2	0.0	2.0n%	3.3n	3.3n	100mt		-55	125	4	G02178	M191
104	MC10505F	2,3		MON-.93%		-1.6*†	ECT	3†		5.2	0.0	2.9nΔ	3.3n	3.3n	90mt		-55	125	3	G03279	FP85
105	MC10505L	2,3		MON-.93%		-1.6*†	ECT	3†		5.2	0.0	2.9nΔ	3.3n	3.3n	90mt		-55	125	3	G03279	M191
106	MC10509F	2,3		MON-.93%		-1.6*†	ECT	5†		5.2	0.0	2.9nΔ	3.3n	3.3n	60mt		-55	125	2	G02164	FP85
107	MC10509L	2,3		MON-.93%		-1.6*†	ECT	5†		5.2	0.0	2.9nΔ	3.3n	3.3n	60mt		-55	125	2	G02164	M191
108	MC1660F	2,3		MON-.96%		-1.6*†	ECT	4	70	5.2	0.0	1.1n	2.1n	2.1n	120mt		-30	85	2	G02161	FP85
109	MC1660L	2,3		MON-.96%		-1.6†*	ECT	4	70	5.2	0.0	1.1n	2.1n	2.1n	120mt		-30	85	2	G02161	M191
110	MC1688F	2,3		MON-.96%		-1.6*†	ECT	5†	70	5.2	0.0	800p%	1.7nt	1.7nt	125mt		-30	85	2	G02164	FP85

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC10101L	2,3		MON-.96%	-1.6*†		ECT	5	10	5.2	0.0	2.0n%	2.0n†	2.0n†	100m†		-30	85	4	G02162	M191
2	MC10101P	2,3		MON-.96%	-1.6*†		ECT	5	10	5.2	0.0	2.0n%	2.0n	2.0n	100m†		-30	85	4	G02162	M278
3	MC10105L	2,3		MON-.96%	-1.6*†		ECT	3†	90	5.2	0.0	2.0n%	2.0n	2.0n	90m†		-30	85	3	G02163	M191
4	MC10105P	2,3		MON-.96%	-1.6*†		ECT	3†	90	5.2	0.0	2.0n%	2.0n	2.0n	90m†		-30	85	3	G02163	M278
5	MC10109L	2,3		MON-.96%	-1.6*†		ECT	5†	90	5.2	0.0	2.0n%	2.0n†	2.0n†	60m†		-30	85	2	G02164	M191
6	MC10109P	2,3		MON-.96%	-1.6*†		ECT	5†	90	5.2	0.0	2.0n%	2.0n†	2.0n†	60m†		-30	85	2	G02164	M278
7	MC10212L	2,3		MON-.96%	-1.6*†		ECT	3		5.2	0.0	1.5n%	1.5n†	1.5n†	160m†		-30	85	2	G02200	M200w
8	MC10212P	2,3		MON-.96%	-1.6*†		ECT	3		5.2	0.0	1.5n%	1.5n†	1.5n†	160m†		-30	85	2	G02200	M117y
9	MC1601F	2,3	500M	MON-.96%	-1.6*†		ECT	2		5.2	0.0	750p	750p†	750p†	600m%		-30	85	4	G02178a	FP85
10	MC1602F	2,3	500M	MON-.96%	-1.6*†		ECT	2		5.2	0.0	750p	750p†	750p†	460m%		-30	85	3	G02179a	FP85
11	MC1603F	2,3	500M	MON-.96%	-1.6*†		ECT	4		5.2	0.0	750p	750p†	750p†	320m%		-30	85	2	G02194a	FP85
12	10101F	2,3		MON-.96%	-1.7*†		ECT	2		5.2	0.0	20n	3.3n	3.3n	100m%		-30	85	4	G02178	M153a
13	10103B	2,3		MON-.96%	-1.7*†		ECT	2		5.2	0.0	2.0n	3.3n	3.3n	100m		-30	85	4	G02197	M256
14	10103F	2,3		MON-.96%	-1.7*†		ECT	2		5.2	0.0	2.0n	3.3n	3.3n	100m		-30	85	4	G02197	M153a
15	10105B	2,3		MON-.96%	-1.7*†		ECT	2†		5.2	0.0	2.0n	3.3n	3.3n	75m%		-30	85	3	G02179	M256
16	10105F	2,3		MON-.96%	-1.7*†		ECT	2†		5.2	0.0	2.0n	3.3n	3.3n	75m%		-30	85	3	G02179	M153a
17	10109B	2,3		MON-.96%	-1.7*†		ECT	5†		5.2	0.0	2.0n	3.3n	3.3n	50m%		-30	85	2	G02194	M256
18	10109F	2,3		MON-.96%	-1.7*†		ECT	5†		5.2	0.0	2.0n	3.3n	3.3n	50m%		-30	85	2	G02194	M153a
19	10112B	2,3		MON-.96%	-1.7*†		ECT	3		5.2	0.0	2.4n	3.5n	3.5n	150m%		-30	85	2	G02196	M256
20	10112F	2,3		MON-.96%	-1.7*†		ECT	3		5.2	0.0	2.4n	3.5n	3.5n	150m%		-30	85	2	G02196	M153a
21	SN10101J	2,3		MON-.98%	-1.6*		ECT	2		5.2	0.0	2.0n			100m†		0	85	4	G02178	M153d
22	SN10101N	2,3		MON-.98%	-1.6*		ECT	2		5.2	0.0	2.0n			100m†		0	85	4	G02178	M117x
23	SN10105J	2,3		MON-.98%	-1.6*		ECT	3†		5.2	0.0	2.0n			75m†		0	85	3	G02179	M153d
24	SN10105N	2,3		MON-.98%	-1.6*		ECT	3†		5.2	0.0	2.0n			75m†		0	85	3	G02179	M117x
25	SN10109J	2,3		MON-.98%	-1.6*		ECT	5†		5.2	0.0	2.0n			50m†		0	85	2	G02194	M153d
26	SN10109N	2,3		MON-.98%	-1.6*		ECT	5†		5.2	0.0	2.0n			50m†		0	85	2	G02194	M117x
27▼#	FYH104	2,3		MON-1.0%	-1.4*		ECT	8	10	0.0	5.0	10nΔ			150m§		10	60	1	G02204	TO87
28▼#	FYH114	2,3		MON-1.0%	-1.4*		ECT	2	10	0.0	5.0	10nΔ			275m§		10	60	4	G02205	TO87
29▼#	FYH124	2,3		MON-1.0%	-1.4*		ECT	4	10	0.0	5.0	10nΔ			262m§		10	60	2	G02204a	TO87
30▼#	FYH134	2,3		MON-1.0%	-1.4*		ECT	4	10	0.0	5.0	10nΔ			235m§		10	60	2	G02204a	TO87
31	DM10101J	2,3G		MON-.96%	-1.6†*		ECT	5		5.2	0.0	2.9nΔ	3.3n	3.3n	25m†		-30	85	1	G02162	M200r
32	DM10105J	2,3G		MON-.96%	-1.6†*		ECT	3†		5.2	0.0	2.0n	2.0n†	2.0n†	109m%		-30	85	3	G02163	M200r
33	DM10109J	2,3G		MON-.96%	-1.6†*		ECT	5†		5.2	0.0	2.9nΔ	3.3n	3.3n	72m%		-30	85	2	G02164	M200r
34	DM10112J	2,3G		MON-.96%	-1.6†*		ECT	3		5.2	0.0	3.5nΔ	3.5n	3.5n	197m%		-30	85	2	G03263	M200r
35	MC351F	2M	15M	MON-.75	-1.6		ECT	5	25	5.2	0	21nΔ	12n	15n	48m	400m	0	75	1	G0279b	TO91
36	MC351G	2M	15M	MON-.75	-1.6		ECT	5	25	5.2	0	21nΔ	12n	15n	48m	400m	0	75	1	G0279b	CN9
37	MC356F	2M	40M	MON-.75	-1.6		ECT	3	25	5.2	0	20nΔ	10n	14n	48m	400m	0	75	1	G0279	TO91
38	MC356G	2M	40M	MON-.75	-1.6		ECT	3	25	5.2	0	20nΔ	10n	14n	48m	400m	0	75	1	G0279	CN9
39	MC357F	2M	40M	MON-.75	-1.6		ECT	3	25	5.2	0	20nΔ	10n	14n	20m	400m	0	75	1	G0279a	TO91
40	MC357G	2M	40M	MON-.75	-1.6		ECT	3	25	5.2	0	20nΔ	10n	14n	20m	400m	0	75	1	G0279a	CN9
41	MC1201F	2MS	80M	MON-.75	-1.6		ECT	6	150	8	0	4.0n	7.0n	8.0n	115m†	175m	-55	125	1	G02106	TO86
42	MC1202F	2MS	80M	MON-.75	-1.6		ECT	6	150	8	0	4.0n	7.0n	8.0n	80m†	175m	-55	125	1	G02106a	TO86
43	MC1203F	2MS	80M	MON-.75	-1.6		ECT	6	150	8	0	4.0n	7.0n	8.0n	40m†	175m	-55	125	1	G02106b	TO86
44	MC1204F	2MS	80M	MON-.75	-1.6		ECT	4	50	8	0	4.0n	7.0n	8.0n	95m†	175m	-55	125	2	G02101	TO86
45	MC1205F	2MS	80M	MON-.75	-1.6		ECT	4	50	8	0	4.0n	7.0n	8.0n	65m†	175m	-55	125	2	G02101a	TO86
46	MC1206F	2MS	80M	MON-.75	-1.6		ECT	4	50	8	0	4.0n	7.0n	8.0n	45m†	175m	-55	125	2	G02101b	TO86
47	MC315F	2S		MON-.75	-1.6		ECT	5Δ	25	5.2	0	20n	20n	20n	340m		-55	125	1	G0284	TO91
48	MC315G	2S		MON-.75	-1.6		ECT	5Δ	25	5.2	0	20n	20n	20n	340m		-55	125	1	G0284	CN9
49	MC365F	2S		MON-.75	-1.6		ECT	5Δ	25	5.2	0	20n	19n	19n	340m		0	75	1	G0284	TO91
50	MC365G	2S		MON-.75	-1.6		ECT	5Δ	25	5.2	0	20n	19n	19n	340m		0	75	1	G0284	CN9
51	MC1001P	2S		MON-.75	-1.6		ECT	6	150	5.2	0.0	4.0n%			115m†		0	75	1	G02106	TO116
52	MC1002P	2S		MON-.75	-1.6		ECT	6	150	5.2	0.0	4.0n%			80m†		0	75	1	G02106a	TO116
53	MC1003P	2S		MON-.75	-1.6		ECT	6	150	5.2	0.0	4.0n%			40m†		0	75	1	G02106b	TO116
54	MC1004P	2S		MON-.75	-1.6		ECT	4	50	5.2	0.0	4.0n%			95m†		0	75	2	G02101	TO116
55	MC1005P	2S		MON-.75	-1.6		ECT	4	50	5.2	0.0	4.0n%			65m†		0	75	2	G02101a	TO116
56	MC1006P	2S		MON-.75	-1.6		ECT	4	50	5.2	0.0	4.0n%			45m†		0	75	2	G02101b	TO116
57	MC1024P	2S		MON-.75	-1.6		ECT	4Δ	50	5.2	0.0	4.0n%			95m†		0	75	2	G02119	TO116
58	MC1201L	2S		MON-.75	-1.6		ECT	6	150	5.2	0.0	4.0n%			115m†		-55	125	1	G02106	TO116
59	MC1202L	2S		MON-.75	-1.6		ECT	6	150	5.2	0.0	4.0n%			80m†		-55	125	1	G02106a	TO116
60	MC1203L	2S		MON-.75	-1.6		ECT	6	150	5.2	0.0	4.0n%			40m†		-55	125	1	G02106b	TO116
61	MC1204L	2S		MON-.75	-1.6		ECT	4	50	5.2	0.0	4.0n%			95m†		-55	125	2	G02101	TO116
62	MC1205L	2S		MON-.75	-1.6		ECT	4	50	5.2	0.0	4.0n%			65m†		-55	125	2	G02101a	TO116
63	MC1206L	2S		MON-.75	-1.6		ECT	4	50	5.2	0.0	4.0n%			45m†		-55	125	2	G02101b	TO116
64	MC1224F	2S		MON-.75	-1.6		ECT	4Δ	50	5.2	0.0	4.0n%			95m†		-55	125	2	G02119	TO86
65	MC1224L	2S		MON-.75	-1.6		ECT	4Δ	50	5.2	0.0	4.0n%			95m†		-55	125	2	G02119	TO116
66	MC301F	2S	40M	MON-.75	-1.6		ECT	5	26	5.2	0	6.5n	12n	12n	47m	400m	-55	125	1	G0242	TO91
67	MC301G	2S	40M	MON-.75	-1.6		ECT	5	26	5.2	0	6.5n	12n	12n	47m	400m	-55	125	1	G0242	CN9
68	MC306F	2S	40M	MON-.75	-1.6		ECT	3	25	5.2	0	6.0n	12n	11.n	47m	400m	-55	125	1	G0242	TO91
69	MC306G	2S	40M	MON-.75	-1.6		ECT	3	25	5.2	0	6.0n	12n	11.n	47m	400m	-55	125	1	G0242	CN9
70	MC307F	2S	40M	MON-.75	-1.6		ECT	3	25	5.2	0	6.0n	12n	11.n	20m	400m	-55	125	1	G0242a	TO91
71	MC307G	2S	40M	MON-.75	-1.6		ECT	3	25	5.2	0	6.0n	12n	11.n	20m	400m	-55	125	1	G0242a	CN9
72	MC10103L	2S		MON-.96%	-1.6*†		ECT	2		5.2	0.0	2.0n%	2.0n†	2.0n†	100m†		-30	85	4	G02199	M191
73	MC10103P	2S		MON-.96%	-1.6*†		ECT	2		5.2	0.0	2.0n%	2.0n†	2.0n†	100m†		-30	85	4	G02199	M278
74	SS4001AE	3		9.8%	.20*†			2		0.0	10	100nΔ				4.5 Δ	-30	85	4	G03290	
75	SS4002AE	3		9.8%	.20*†			4		0.0	10	100nΔ				4.5 Δ	-30	85	2	G03291	
76	SS4025AE	3		9.8%	.20*†			3		0.0	10	100nΔ				4.5 Δ	-30	85	3	G03292	
77	9504DC	3	150M	MON-.90	-1.7		CML	9	10	5.2	0.0	2.5n	4.5n	4.5n	350m	300m	0	75	1	G02139b	M200b
78	MM54C02D	3		MOS 3.5%	1.5*		CMS	2	2	0.0	5.0	50n			500m	450mΔ	-55	125	4	G03287	M297a
79	MM74C02N	3		MOS 3.5%	1.5*		CMS	2	2	0.0	5.0	50n			500m	450mΔ	0	70	4	G03287	M344
80▼#	MSM505	3		MOS 3.6%	.80*		CMS	2	15	0.0	5.0	300nΔ			25u§		-20	70	4	G03303	M318a
81▼#	MSM506	3		MOS 3.6%	.80*		CMS	4	15	0.0	5.0	300nΔ			25u§		-20	70	2	G03303a	M318a
82▼#	MSM507	3		MOS 3.6%	.80*		CMS	8	15	0.0	5.0	300nΔ			25u§		-20	70	1	G03303b	M318a
83♦	JANM38510/05201ACA	3		MOS 3.95%	.85*		CMS	3	7	0.0	5.0	270nΔ			200m		-55	125	3	G03281	M314
84♦	JANM38510/05201ADA	3		MOS 3.95%	.85*		CMS	3	7	0.0	5.0	270nΔ			200m		-55	125	3	G03281	FP116
85♦	JANM38510/05201BCA	3		MOS 3.95%	.85*		CMS	3	7	0.0	5.0	270nΔ			200m		-55	125	3	G03281	M314
86♦	JANM38510/05201BDA	3		MOS 3.95%	.85*		CMS	3	7	0.0	5.0	270nΔ			200m		-55	125	3	G03281	FP116
87♦	JANM38510/05201CCA	3		MOS 3.95%	.85*		CMS	3	7	0.0	5.0	270nΔ			200m		-55	125	3	G03281	M314
88♦	JANM38510/05201CDA	3		MOS 3.95%	.85*		CMS	3	7	0.0	5.0	270nΔ			200m		-55	125	3	G03281	FP116
89	JANM38510/05202ACA	3		MOS 3.95%	.85*		CMS	2	7	0.0	5.0	270nΔ			200m		-55	125	4	G03282	M314
90	JANM38510/05202ADA	3		MOS 3.95%	.85*		CMS	2	7	0.0	5.0	270nΔ			200m		-55	125	4	G03282	FP116
91	JANM38510/05202BCA	3		MOS 3.95%	.85*		CMS	2	7	0.0	5.0	270nΔ			200m		-55	125	4	G03282	M314
92	JANM38510/05202BDA	3		MOS 3.95%	.85*		CMS	2	7	0.0	5.0	270nΔ			200m		-55	125	4	G03282	FP116
93	JANM38510/05202CCA	3		MOS 3.95%	.85*		CMS	2	7	0.0	5.0	270nΔ			200m		-55	125	4	G03282	M314
94	JANM38510/05202CDA	3		MOS 3.95%	.85*		CMS	2	7	0.0	5.0	270nΔ			200m		-55	125	4	G03282	FP116
95	JANM38510/05203ACA	3		MOS 3.95%	.85*		CMS	4	7	0.0	5.0	270nΔ			200m		-55	125	2	G03283	M314
96	JANM38510/05203ADA	3		MOS 3.95%	.85*		CMS	4	7	0.0	5.0	270nΔ			200m		-55	125	2	G03283	FP116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/05203BCA	3		MOS	3.95%	.85*	CMS	4	7	0.0	5.0	270nΔ			200m		-55	125	2	G03283	M314
2	JANM38510/05203BDA	3		MOS	3.95%	.85*	CMS	4	7	0.0	5.0	270nΔ			200m		-55	125	2	G03283	FP116
3	JANM38510/05203CCA	3		MOS	3.95%	.85*	CMS	4	7	0.0	5.0	270nΔ			200m		-55	125	2	G03283	M314
4	JANM38510/05203CDA	3		MOS	3.95%	.85*	CMS	4	7	0.0	5.0	270nΔ			200m		-55	125	2	G03283	M314
5	JANM38510/05204ACA	3		MOS	3.95%	.85*	CMS	3	7	0.0	5.0	270nΔ			200m		-55	125	3	G03266	M314
6	JANM38510/05204ADA	3		MOS	3.95%	.85*	CMS	3	7	0.0	5.0	270nΔ			200m		-55	125	3	G03266	FP116
7	JANM38510/05204BCA	3		MOS	3.95%	.85*	CMS	3	7	0.0	5.0	270nΔ			200m		-55	125	3	G03266	M314
8	JANM38510/05204BDA	3		MOS	3.95%	.85*	CMS	3	7	0.0	5.0	270nΔ			200m		-55	125	3	G03266	FP116
9	JANM38510/05204CCA	3		MOS	3.95%	.85*	CMS	3	7	0.0	5.0	270nΔ			200m		-55	125	3	G03266	M314
10	JANM38510/05204CDA	3		MOS	3.95%	.85*	CMS	3	7	0.0	5.0	270nΔ			200m		-55	125	3	G03266	FP116
11	MM4602AD	3		MOS	4.99%	.01*†	CMS	4		0.0	5.0	35n			500m	450mΔ	-55	125	2	G03283	M297a
12	MM4602AF	3		MOS	4.99%	.01*†	CMS	4		0.0	5.0	35n			500m	450mΔ	-55	125	2	G03283	M297a
13	MM4625AD	3		MOS	4.99%	.01*†	CMS	3		0.0	5.0	35n			500m	450mΔ	-55	125	3	G03300	M297a
14	MM4625AF	3		MOS	4.99%	.01*†	CMS	3		0.0	5.0	35n			500m	450mΔ	-55	125	3	G03300	FP98
15	MM5602AN	3		MOS	4.99%	.01*†	CMS	4		0.0	5.0	35n			500m	450mΔ	-40	85	2	G03283	M344
16	MM5625AN	3		MOS	4.99%	.01*†	CMS	3		0.0	5.0	35n			500m	450mΔ	-40	85	3	G03300	M344
17	SW4001A	3		MOS	5.0	0.0	CMS	2	50	0.0	5.0	35n			200m		-40	85	4	G0366c	M313a
18	SW4002A	3		MOS	5.0	0.0	CMS	4	50	0.0	5.0	35n			200m		-40	85	2	G03131e	M313a
19	SW4025A	3		MOS	5.0	0.0	CMS	3	50	0.0	5.0	35n			200m		-40	85	4	G03131f	M313a
20	4002A	3		MOS	7.1%	2.9*	CMS	4	2	0.0	10	130nΔ			200mΔ		-40	85	2	G03291	M318
21	4025A	3		MOS	7.1%	2.9*	CMS	3	2	0.0	10	130nΔ			200mΔ		-40	85	3	G03292	M318
22▼	TF4000AJ	3		MOS	7.1%	2.9*	CMS	3		0.0	10	100nΔ			60u%		-55	125	2	G03211a	M157b
23▼	TF4001AJ	3		MOS	7.1%	2.9*	CMS	2		0.0	10	100nΔ			60u%		-55	125	4	G03290	M157b
24▼	TF4001AN	3		MOS	7.1%	2.9*	CMS	2		0.0	10	100nΔ			60u%		-55	125	4	G03290	M126e
25▼	TF4002AJ	3		MOS	7.1%	2.9*	CMS	4		0.0	10	100nΔ			60u%		-55	125	2	G03291	M157b
26▼	TF4002AN	3		MOS	7.1%	2.9*	CMS	4		0.0	10	100nΔ			60u%		-55	125	2	G03291	M126e
27▼	TF4025AJ	3		MOS	7.1%	2.9*	CMS	3		0.0	10	100nΔ			60u%		-55	125	3		M157b
28▼	TF4025AN	3		MOS	7.1%	2.9*	CMS	3		0.0	10	100nΔ			60u%		-55	125	3		M126e
29▼	TF4301AJ	3		MOS	7.1%	2.9*	CMS	2		0.0	10	170nΔ			60u%		-55	125	4	G03290	M157b
30▼	TF4301AN	3		MOS	7.1%	2.9*	CMS	2		0.0	10	170nΔ			60u%		-55	125	4	G03290	M126e
31▼	TP4000AJ	3		MOS	7.1%	2.9*	CMS	3		0.0	10	130nΔ			300u%		-40	85	2	G03211a	M157b
32▼	TP4001AJ	3		MOS	7.1%	2.9*	CMS	2		0.0	10	130nΔ			300u%		-40	85	4	G03290	M157b
33▼	TP4001AN	3		MOS	7.1%	2.9*	CMS	2		0.0	10	130nΔ			300u%		-40	85	4	G03290	M126e
34▼	TP4002AJ	3		MOS	7.1%	2.9*	CMS	4		0.0	10	130nΔ			300u%		-40	85	2	G03291	M157b
35▼	TP4002AN	3		MOS	7.1%	2.9*	CMS	4		0.0	10	130nΔ			300u%		-40	85	2	G03291	M126e
36▼	TP4025AJ	3		MOS	7.1%	2.9*	CMS	3		0.0	10	130nΔ			300u%		-40	85	3		M157b
37▼	TP4025AN	3		MOS	7.1%	2.9*	CMS	3		0.0	10	130nΔ			300u%		-40	85	3		M126e
38▼	TP4301AJ	3		MOS	7.1%	2.9*	CMS	2		0.0	10	230nΔ			300u%		-40	85	4	G03290	M157b
39▼	TP4301AN	3		MOS	7.1%	2.9*	CMS	2		0.0	10	230nΔ			300u%		-40	85	4	G03290	M126e
40	HD1-54C02	3		MOS	8.0%	2.0*	CMS	2		0.0	10	60nΔ	20n	20n†	10n%	4.5 Δ	-55	125	4	G0366e	M126v
41	HD1-74C02	3		MOS	8.0%	2.0*	CMS	2		0.0	10	60nΔ	20n	20n†	10n%	4.5 Δ	-40	85	4	G0366e	M126v
42	HD9-54C02	3		MOS	8.0%	2.0*	CMS	2		0.0	10	60nΔ	20n	20n†	10n%	4.5 Δ	-55	125	4	G0366e	TO86
43	HD9-74C02	3		MOS	8.0%	2.0*	CMS	2		0.0	10	60nΔ	20n	20n†	10n%	4.5 Δ	-40	85	4	G0366e	TO86
44	CD4000AF	3		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	2	G03211a	Δ001AB
45	CD4001AF	3		MOS	9.99%	.01*†	CMS	2		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	4	G03212a	Δ001AB
46	CD4002AF	3		MOS	9.99%	.01*†	CMS	4		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	2	G03213a	Δ001AB
47	CD4025AF	3		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	3	G03266	Δ001AB
48	CD4078BH	3		MOS	9.99%	.01*†	CMS	8		0.0	10	340nΔ			200m§	4.5 Δ	-55	125	1	G03288	FC☑
49	HD1-4000A2	3		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ	20n	20n†	1.0u%	4.5 Δ	-55	125	2	G03211a	M126v
50	HD1-4000A9	3		MOS	9.99%	.01*†	CMS	3		0.0	10	65nΔ	20n	20n†	50u%	4.5 Δ	-40	85	2	G03211a	M126v
51	HD1-4001A2	3		MOS	9.99%	.01*†	CMS	2		0.0	10	45nΔ	20n	20n†	1.0u%	4.5 Δ	-55	125	4	G03212a	M126v
52	HD1-4001A9	3		MOS	9.99%	.01*†	CMS	2		0.0	10	65nΔ	20n	20n†	50u%	4.5 Δ	-40	85	4	G03212a	M126v
53	HD1-4002A2	3		MOS	9.99%	.01*†	CMS	4		0.0	10	45nΔ	20n	20n†	1.0u%	4.5 Δ	-55	125	2	G03213a	M126v
54	HD1-4002A9	3		MOS	9.99%	.01*†	CMS	4		0.0	10	65nΔ	20n	20n†	50u%	4.5 Δ	-40	85	2	G03213a	M126v
55	HD1-4025A2	3		MOS	9.99%	.01*†	CMS			0.0	10	45nΔ	20n	20n†	1.0u%	4.5 Δ	-55	125	3	G03266	M126v
56	HD1-4025A9	3		MOS	9.99%	.01*†	CMS			0.0	10	65nΔ	20n	20n†	50u%	4.5 Δ	-40	85	3	G03266	M126v
57	HD9-4000A2	3		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ	20n	20n†	1.0u%	4.5 Δ	-55	125	2	G03211a	TO86
58	HD9-4000A9	3		MOS	9.99%	.01*†	CMS	3		0.0	10	65nΔ	20n	20n†	50u%	4.5 Δ	-40	85	2	G03211a	TO86
59	HD9-4001A2	3		MOS	9.99%	.01*†	CMS	2		0.0	10	45nΔ	20n	20n†	1.0u%	4.5 Δ	-55	125	4	G03212a	TO86
60	HD9-4001A9	3		MOS	9.99%	.01*†	CMS	2		0.0	10	65nΔ	20n	20n†	50u%	4.5 Δ	-40	85	4	G03212a	TO86
61	HD9-4002A2	3		MOS	9.99%	.01*†	CMS	4		0.0	10	45nΔ	20n	20n†	1.0u%	4.5 Δ	-55	125	2	G03213a	TO86
62	HD9-4002A9	3		MOS	9.99%	.01*†	CMS	4		0.0	10	65nΔ	20n	20n†	50u%	4.5 Δ	-40	85	2	G03213a	TO86
63	HD9-4025A2	3		MOS	9.99%	.01*†	CMS			0.0	10	45nΔ	20n	20n†	1.0u%	4.5 Δ	-55	125	3	G03266	TO86
64	HD9-4025A9	3		MOS	9.99%	.01*†	CMS			0.0	10	65nΔ	20n	20n†	50u%	4.5 Δ	-40	85	3	G03266	TO86
65♦	MC14000AL	3		MOS	9.99%	.01*†	CMS	3†	50	0.0	10	25n%	75n	75n	10n%		-55	125	2	G03275	TO116
66♦	MC14000CL,P%	3		MOS	9.99%	.01*†	CMS	3†	50	0.0	10	25n%	110n	110n	50n%		-40	85	2	G03275	TO116
67♦	MC14001AL	3		MOS	9.99%	.01*†	CMS	2	50	0.0	10	25n%	175n	175n	10n%		-55	125	4	G03212	TO116
68♦	MC14001CL,P%	3		MOS	9.99%	.01*†	CMS	2	50	0.0	10	25n%	200n	200n	50n%		-40	85	4	G03212	TO116
69♦	MC14002AL	3		MOS	9.99%	.01*†	CMS	4	50	0.0	10	25n%	175n	175n	10n%		-55	125	2	G03213	TO116
70♦	MC14002CL,P%	3		MOS	9.99%	.01*†	CMS	4	50	0.0	10	25n%	200n	200n	50n%		-40	85	2	G03213	TO116
71♦	MC14025AL	3		MOS	9.99%	.01*†	CMS	3	50	0.0	10	25n%	15nt	20nt	10n%		-55	125	3	G03276	TO116
72♦	MC14025CL,P%	3		MOS	9.99%	.01*†	CMS	3	50	0.0	10	25n%	15nt	20nt	50n%		-40	85	3	G03276	TO116
73	SCL4000AC	3		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G03296	M475a
74	SCL4000AD	3		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G03296	M475b
75	SCL4000AE	3		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-40	85	2	G03296	M475c
76	SCL4000AF	3		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G03296	FP110
77	SCL4000AH	3		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G03296	FC☑
78	SCL4001AC	3		MOS	9.99%	.01*†	CMS	2		0.0	10	45nΔ			1.0u%	4.5	-55	125	4	G03290	M475a
79	SCL4001AD	3		MOS	9.99%	.01*†	CMS	2		0.0	10	45nΔ			1.0u%	4.5	-55	125	4	G03290	M475b
80	SCL4001AE	3		MOS	9.99%	.01*†	CMS	2		0.0	10	45nΔ			1.0u%	4.5	-40	85	4	G03290	M475c
81	SCL4001AF	3		MOS	9.99%	.01*†	CMS	2		0.0	10	45nΔ			1.0u%	4.5	-55	125	4	G03290	FP110
82	SCL4001AH	3		MOS	9.99%	.01*†	CMS	2		0.0	10	45nΔ			1.0u%	4.5	-55	125	4	G03290	FC☑
83	SCL4002AC	3		MOS	9.99%	.01*†	CMS	4		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G03291	M475a
84	SCL4002AD	3		MOS	9.99%	.01*†	CMS	4		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G03291	M475b
85	SCL4002AE	3		MOS	9.99%	.01*†	CMS	4		0.0	10	45nΔ			1.0u%	4.5	-40	85	2	G03291	M475c
86	SCL4002AF	3		MOS	9.99%	.01*†	CMS	4		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G03291	FP110
87	SCL4002AH	3		MOS	9.99%	.01*†	CMS	4		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G03291	FC☑
88	SCL4025AC	3		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-55	125	3	G03292	M475a
89	SCL4025AD	3		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-55	125	3	G03292	M475b
90	SCL4025AE	3		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-40	85	3	G03292	M475c
91	SCL4025AF	3		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-55	125	3	G03292	FP110
92	SCL4025AH	3		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-55	125	3	G03292	FC☑
93	SCL4402AC	3		MOS	9.99%	.01*†	CMS	8Δ		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G03278	M475d
94	SCL4402AD	3		MOS	9.99%	.01*†	CMS	8Δ		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G03278	M475e
95	SCL4402AE	3		MOS	9.99%	.01*†	CMS	8Δ		0.0	10	45nΔ			1.0u%	4.5	-40	85	2	G03278	M475f
96	SCL4402AF	3		MOS	9.99%	.01*†	CMS	8Δ		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G03278	FP111

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SCL4402AH	3		MOS	9.99%	.01*†	CMS	8Δ		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G03278	FC☑
2♦	CD4000AD	3		MOS	10	0.0†	CMS	3		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	2	G03211a	Δ001AD
3♦	CD4000AE	3		MOS	10	0.0†	CMS	3		0.0	10	65nΔ			10u%	4.5 Δ	-40	85	2	G03211a	Δ001AB
4♦	CD4000AK	3		MOS	10	0.0†	CMS	3		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	2	G03211a	Δ004AF
5♦	CD4001AD	3		MOS	10	0.0†	CMS	2		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	4	G03211a	Δ001AD
6♦	CD4001AE	3		MOS	10	0.0†	CMS	2		0.0	10	65nΔ			10u%	4.5 Δ	-40	85	4	G03212a	Δ001AB
7♦	CD4001AK	3		MOS	10	0.0†	CMS	2		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	4	G03212a	Δ004AF
8♦	CD4002AD	3		MOS	10	0.0†	CMS	4		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	2	G03213a	Δ001AD
9♦	CD4002AE	3		MOS	10	0.0†	CMS	4		0.0	10	65nΔ			10u%	4.5 Δ	-40	85	2	G03213a	Δ001AB
10♦	CD4002AK	3		MOS	10	0.0†	CMS	4		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	2	G03213a	Δ004AF
11♦	CD4025AD	3		MOS	10	0.0†	CMS	3		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	3	G03266	Δ001AD
12♦	CD4025AE	3		MOS	10	0.0†	CMS	3		0.0	10	65nΔ			10u%	4.5 Δ	-40	85	3	G03266	Δ001AB
13♦	CD4025AK	3		MOS	10	0.0†	CMS	3		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	3	G03266	Δ004AF
14	CD4078BD	3		MOS	10	0.0	CMS	8	1	0.0	10	340nΔ			200m	4.5 Δ	-55	125	1	G03288	Δ001AD
15	CD4078BE	3		MOS	10	0.0	CMS	8	1	0.0	10	340nΔ			200m	4.5 Δ	-40	85	1	G03288	Δ001AB
16	CD4078BF	3		MOS	10	0.0	CMS	8	1	0.0	10	340nΔ			200m	4.5 Δ	-55	125	1	G03288	Δ001AB
17	CD4078BK	3		MOS	10	0.0	CMS	8	1	0.0	10	340nΔ			200m	4.5 Δ	-55	125	1	G03288	Δ004AF
18#	HBC4000AD	3		MOS	10	0.0†	CMS	3		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	2	G03211a	Δ001AD
19#	HBC4000AF	3		MOS	10	0.0†	CMS	3		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	2	G03211a	Δ001AD
20#	HBC4000AK	3		MOS	10	0.0†	CMS	3		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	2	G03211a	Δ004AF
21#	HBC4001AD	3		MOS	10	0.0†	CMS	2		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	4	G03212a	Δ001AD
22#	HBC4001AF	3		MOS	10	0.0†	CMS	2		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	4	G03212a	Δ001AD
23#	HBC4001AK	3		MOS	10	0.0†	CMS	2		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	4	G03212a	Δ004AF
24#	HBC4002AD	3		MOS	10	0.0†	CMS	4		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	2	G03213a	Δ001AD
25#	HBC4002AF	3		MOS	10	0.0†	CMS	4		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	2	G03213a	Δ001AD
26#	HBC4002AK	3		MOS	10	0.0†	CMS	4		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	2	G03213a	Δ004AF
27#	HBC4025AD	3		MOS	10	0.0†	CMS	3		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	3	G03266	Δ001AD
28#	HBC4025AF	3		MOS	10	0.0†	CMS	3		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	3	G03266	Δ001AD
29#	HBC4025AK	3		MOS	10	0.0†	CMS	3		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	3	G03266	Δ004AF
30#	HBF4000AE	3		MOS	10	0.0†	CMS	3		0.0	10	65nΔ			50u%	4.5 Δ	-40	85	2	G03211a	Δ001AB
31#	HBF4000AF	3		MOS	10	0.0†	CMS	3		0.0	10	65nΔ			50u%	4.5 Δ	-40	85	2	G03211a	Δ001AD
32#	HBF4001AE	3		MOS	10	0.0†	CMS	2		0.0	10	65nΔ			50u%	4.5 Δ	-40	85	4	G03212a	Δ001AB
33#	HBF4001AF	3		MOS	10	0.0†	CMS	2		0.0	10	65nΔ			50u%	4.5 Δ	-40	85	4	G03212a	Δ001AD
34#	HBF4002AE	3		MOS	10	0.0†	CMS	4		0.0	10	65nΔ			50u%	4.5 Δ	-40	85	2	G03213a	Δ001AB
35#	HBF4002AF	3		MOS	10	0.0†	CMS	4		0.0	10	65nΔ			50u%	4.5 Δ	-40	85	2	G03213a	Δ001AD
36#	HBF4025AE	3		MOS	10	0.0†	CMS	3		0.0	10	65nΔ			50u%	4.5 Δ	-40	85	3	G03266	Δ001AB
37#	HBF4025AF	3		MOS	10	0.0†	CMS	3		0.0	10	65nΔ			50u%	4.5 Δ	-40	85	3	G03266	Δ001AD
38▼	CD4001BD	3		MOS	15%	.05*†	CMS	2		0.0	15	75nΔ			200m		-55	125	4	G03212a	Δ001AD
39▼	CD4001BE	3		MOS	15%	.05*†	CMS	2		0.0	15	75nΔ			200m		-55	125	4	G03212a	Δ001AB
40▼	CD4001BF	3		MOS	15%	.05*†	CMS	2		0.0	15	75nΔ			200m		-55	125	4	G03212a	Δ001AB
41▼	CD4001BK	3		MOS	15%	.05*†	CMS	2		0.0	15	75nΔ			200m		-55	125	4	G03212a	Δ004AF
42▼	CD4001BY	3		MOS	15%	.05*†	CMS	2		0.0	15	75nΔ			200m		-55	125	4	G03212a	Δ001AB
43♦#	ZN229	3		MON			DTL	5											2		
44	SP381A	3		MON		.60*†	DTL	2	5	0.0	5.0	60nΔ					0	75	4	G03270	TO116
45	R122	3	10M	PCB	0.0	-3.0	DTL	4†		15	10				40m	1.0	-20	65	4	G03131	CB31
46#	ZN224E	3		MON	.20		DTL	2	8	0.0	5.0	9.0n			19m	1.0	-55	125	4		M126
47♦#	ZN229E	3		MON	.20		DTL	5											2		M126
48#	ZN224	3		MON	.20	4.0	DTL	2	8	0.0	5.0	9.0n			19m	1.0	-55	125	4		TO88
49#	ZN230	3		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	9.0n			19m	1.0	-55	125	2		TO88
50#	ZN230E	3		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	9.0n			19m	1.0	-55	125	2		M126
51#	ZN232	3		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	9.0n			19m	1.0	-55	125	2		TO88
52#	ZN232E	3		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	9.0n			19m	1.0	-55	125	2		M126
53#	ZN244	3		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	9.0n			19m	1.0	-55	125	2		TO88
54#	ZN244E	3		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	9.0n			19m	1.0	-55	125	2		M126
55#	ZN246	3		MON	.20	4.0	DTL	2	8	0.0	5.0	9.0n			19m	1.0	-55	125	4		TO88
56#	ZN246E	3		MON	.20	4.0	DTL	2	8	0.0	5.0	9.0n			19m	1.0	-55	125	4		M126
57#	ZN262	3		MON	.20	4.0	DTL	3	8	0.0	5.0	9.0n			19m	1.0	-55	125	3		TO88
58#	ZN262E	3		MON	.20	4.0	DTL	3	8	0.0	5.0	9.0n			19m	1.0	-55	125	3		M126
59#	ZN324	3		MON	.20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	-55	125	4		TO88
60#	ZN324E	3		MON	.20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	0	70	4		M126
61#	ZN329	3		MON	.20	4.0	DTL		8	0.0	5.0	16n			19m		-55	125			TO88
62#	ZN329E	3		MON	.20	4.0	DTL		8	0.0	5.0	16n			19m		0	70			TO88
63#	ZN330	3		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	-55	125	2		TO88
64#	ZN330E	3		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	0	70	2		M126
65#	ZN332	3		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	-55	125	2		TO88
66#	ZN332E	3		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	0	70	2		M126
67#	ZN344	3		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	-55	125	2		TO88
68#	ZN344E	3		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	0	70	2		M126
69#	ZN346	3		MON	.20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	-55	125	4		TO88
70#	ZN346E	3		MON	.20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	0	70	4		M126
71#	ZN362	3		MON	.20	4.0	DTL	3	8	0.0	5.0	15n			19m	1.0	-55	125	3		TO88
72#	ZN362E	3		MON	.20	4.0	DTL	3	8	0.0	5.0	15n			19m	1.0	0	70	3		M126
73#	ZSD81A	3		MON	.20	4.0	DTL	5	8	0.0	5.0	9.0n			19m	1.0	0	70	1	G0686a	CN2
74#	ZSS59A	3		MON	.20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	-55	125			CN2
75#	ZSS59B	3		MON	.20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	-55	125			CN2
76#	ZSS89A	3		MON	.20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	0	70			CN2
77#	ZSS89B	3		MON	.20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	0	70			CN2
78#	ZSS119A	3		MON	.20	4.0	DTL		8	0.0	5.0	16n			19m		-55	125	2		CN2
79#	ZSS119B	3		MON	.20	4.0	DTL		8	0.0	5.0	16n			19m		-55	125	2		CN2
80	MC1801L,P%	3		MON	.26%	.45*†	DTL	2	8	0.0	5.0	30n			75m		0	75	4	G02137	TO116
81#	ZSM1A	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4.4	20n	30n	30n	160m	1.0 Δ	-40	125	1	G03113	CN2
82#	ZSM1B	3	5.0M%	MOH	1.0	3.0	DTL	2Δ	4	0	4.4	20n	30n	30n	160m	1.0 Δ	-40	125	1	G03113a	CN2
83#	ZSS1A	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4.4	20n	30n	30n	130m	1.0 Δ	-40	125	1	G03112	CN2
84#	ZSS1B	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4.4	20n	30n	30n	160m	1.0 Δ	-40	125	1	G03112a	CN2
85#	ZSS2A	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4.4	20n	30n	30n	175m	1.0 Δ	-40	125	1	G03119	CN2
86#	ZSS2B	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4.4	20n	30n	30n	160m	1.0 Δ	-40	125	1	G03119a	CN2
87#	ZSS3A	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4.4	20n	30n	30n	165m	1.0 Δ	-40	125	2	G03118	CN2
88#	ZSS3B	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4.4	20n	30n	30n	160m	1.0 Δ	-40	125	2	G03118a	CN2
89	SN151810N	3		MON	1.9%	1.1*	DTL	2	8	0.0	5.0	90nΔ			20mt		0	75	4		M126a
90	SN151811N	3		MON	1.9%	1.1*	DTL	2	8	0.0	5.0	75nΔ			20mt		0	75	4		M126a
91	SW1810M	3		MON	1.9%	1.2*	DTL	2	8†	0.0	8.0	30n			70mt	1.0	0	75	4	G02137	M105n
92	SW1810P	3		MON	1.9%	1.2*	DTL	2	8†	0.0	8.0	30n			70mt	1.0	0	75	4	G02137	M114
93	SN151910N	3		MON	2.0%	1.1*	DTL	2	8	0.0	5.0	90nΔ			20mt		-55	125	4		M126a
94	SN151911N	3		MON	2.0%	1.1*	DTL	2	8	0.0	5.0	75nΔ			20mt		-55	125	4		M126a
95	MC1910F	3		MON	2.6%	.40*†	DTL	2	8	0.0	5.0	30n			75m		-55	125	4	G02137	TO86
96	MC1910L	3		MON	2.6%	.40*†	DTL	2	8	0.0	5.0	30n			75m		-55	125	4	G02137	TO116
97	MC1911F	3		MON	2.6%	.40*†	DTL	2	7	0.0	5.0	25n			100m		-55	125	4	G02137	TO86
98	MC1911L	3		MON	2.6%	.40*†	DTL	2	7	0.0	5.0	25n			100m		-55	125	4	G02137	TO116
99	MC1810F	3		MON	2.6%	.45*†	DTL	2	8	0.0	5.0	30n			75m		0	75	4	G02137	TO86
100	MC1810L,P%	3		MON	2.6%	.45*†	DTL	2	8	0.0	5.0	30n			75m		0	75	4	G02137	TO116
101	MC1811F	3		MON	2.6%	.45*†	DTL	2	7	0.0	5.0	25n			100m		0	75	4	G02137	TO86
102	MC1811L,P%	3		MON	2.6%	.45*†	DTL	2	7	0.0	5.0	25n			100m		0	75	4	G02137	TO116
103	MNR12	3		PCB	2.6%	.45*	DTL	24		0.0	5.0	30n			225mt				12		
104♦	SP314AΔ	3	35M		3.8%	.60*	DTL	7	16	0	6	20n			22mt	1.2	0	75	1		M114c
105♦	SP317A	3	35M		3.8%	.60*	DTL	4	16	0	6	20n			22mt	1.2	0	75	2		M114c
106♦	SP370A	3	35M		3.8%	.60*	DTL	3	16	0	6	20n			22mt	1.2	0	75	3		M114c
107♦	SP380A	3	35M		3.8%	.60*	DTL	2	16	0	6	20n			22mt	1.2	0	75	4		M114c
108♦#	FZH281	3		MON	7.5%	4.5*	DTL	3†	10	0.0	12	260nt	340nt	120nt	288mŞ	5.0 Δ	0	70	4	G03280	M117aa
109♦#	FZH285	3		MON	7.5%	4.5*	DTL	3†	10	0.0	12	260nt	340nt	120nt	288mŞ	5.0 Δ	-25	85	4	G03280	M117aa
110	10211B	3		MON			ECT	3		5.2	0.0	1.7n	1.5nt	1.5nt	150mt		-30	85	2	G03294	M256

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	10211F	3		MON			ECT	3		5.2	0.0	1.7n	1.5n†	1.5n†	150m†		-30	85	2	G03294	M153e
2	MC313F	3		MON	-.75	-1.6	ECT	2	25	5.2	0	12n	12n	14n	150m	375m	-55	125	4	G03159	TO86
3	MC363F	3		MON	-.75	-1.6	ECT	2	25	5.2	0	12n	12n	14n	150m	375m	0	75	4	G03159	TO86
4	MC1007P	3		MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n%			110m†		0	75	3	G03183	TO116
5	MC1008P	3		MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n%			75m†		0	75	3	G03183a	TO116
6	MC1009P	3		MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n%			60m†		0	75	3	G03183b	TO116
7	MC1010P	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.5n%			115m†		0	75	4	G03159	TO116
8	MC1011P	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.5n%			95m†		0	75	4	G03159a	TO116
9	MC1012P	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.5n%			65m†		0	75	4	G03159b	TO116
10	MC1050F	3		MON	-.75	-1.6	ECT	4	10	5.2	0	5.0n	5.0n	4.0n	305m	450m	0	70	2		TO86
11	MC1051F	3		MON	-.75	-1.6	ECT	4	10	5.2	0	5.0n	5.0n	4.0n	260m	450m	0	70	2		TO86
12	MC1052F	3		MON	-.75	-1.6	ECT	8	10	5.2	0	5.0n	5.0n	4.0n	180m	450m	0	70	1		TO86
13	MC1062P	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	2.0n%	3.5n	3.5n	320m†		0	75	4	G03264	M278
14	MC1063P	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	2.0n%	3.5n	3.5n	320m†		0	75	4	G03274	TO116
15	MC1207F	3		MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n%			110m†		-55	125	3	G03183	TO86
16	MC1207L	3		MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n%			110m†		-55	125	3	G03183	TO116
17	MC1208F	3		MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n%			75m†		-55	125	3	G03183a	TO86
18	MC1208L	3		MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n%			75m†		-55	125	3	G03183a	TO116
19	MC1209F	3		MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n%			60m†		-55	125	3	G03183b	TO86
20	MC1209L	3		MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n%			60m†		-55	125	3	G03183b	TO116
21	MC1210F	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.5n%			115m†		-55	125	4	G03159	TO86
22	MC1210L	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.5n%			115m†		-55	125	2	G03159	TO116
23	MC1211F	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.5n%			95m†		-55	125	4	G03159a	TO86
24	MC1211L	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.5n%			95m†		-55	125	2	G03159a	TO116
25	MC1212F	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.5n%			65m†		-55	125	4	G03159b	TO86
26	MC1212L	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.5n%			65m†		-55	125	2	G03159b	TO116
27	MC1262F	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	2.0n%	3.5n	3.5n	320m†		-55	125	4	G03264	TO86
28	MC1262L	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	2.0n%	3.5n	3.5n	320m†		-55	125	4	G03264	M191
29	MC1263F	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	2.0n%	3.5n	3.5n	320m†		-55	125	4	G03274	TO86
30	MC1263L	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	2.0n%	3.5n	3.5n	320m†		-55	125	4	G03274	TO116
31#	SP1007	3		MON	-.75	-1.6†	ECT	3	25	5.2	0.0	4.0n%			110m†		0	75	3	G03131d	M257a
32#	SP1010	3		MON	-.75	-1.6†	ECT	2	25	5.2	0.0	4.5n%			115m†		0	75	4	G0366c	M257a
33#	SP1207	3		MON	-.75	-1.6†	ECT	3	25	5.2	0.0	4.0n%			110m†		-55	125	3	G03131d	M257a
34#	SP1210	3		MON	-.75	-1.6†	ECT	2	25	5.2	0.0	4.5n%			115m†		-55	125	4	G0366c	M257a
35	MC359F	3	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	19nΔ	10n	14n	71m	400m	0	75	2	G03151	TO91
36	MC359G	3	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	19nΔ	10n	14n	71m	400m	0	75	2	G03151	CN9
37	MC360F	3	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	19nΔ	10n	14n	71m	400m	0	75	2	G03151a	TO91
38	MC360G	3	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	19nΔ	10n	14n	71m	400m	0	75	2	G03151a	CN9
39	MC361F	3	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	19nΔ	10n	14n	55m	400m	0	75	2	G03151b	TO91
40	MC361G	3	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	19nΔ	10n	14n	55m	400m	0	75	2	G03151b	CN9
41	MC362AF	3	40M	MON	-.75	-1.6	ECT	3	15	5.2	0	7.5n	9.5n	9.0n	70m		0	75	2		TO91
42	MC362AG	3	40M	MON	-.75	-1.6	ECT	3	15	5.2	0	7.5n	9.5n	9.0n	70m		0	75	2		CN9
43	MC362F	3	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	21nΔ	12n	14n	71m	400m	0	75	2	G0384	TO86
44	MC362G	3	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	21nΔ	12n	14n	71m	400m	0	75	2	G0384	CN42
45♦	MC312AF	3		MON	-.8*	-1.8*	ECT	3	8	5.2	0	8.5n	12.n	14n			-55	125	2	G03179	TO91
46♦	MC312AG	3		MON	-.8*	-1.8*	ECT	3	8	5.2	0	8.5n	12.n	14n			-55	125	2	G03179	CN9
47#	GXB10102	3		MON	-.88	-1.7†	ECT	2		5.2	0.0	2.0n%	2.0n†	2.0n†	100m†		0	75	4	G03262	M200n
48#	GXB10106	3		MON	-.88	-1.7†	ECT	4†		5.2	0.0	2.0n%	2.0n†	2.0n†	75m†		0	75	3	G03265	M200n
49#	GXB10111	3		MON	-.88	-1.7†	ECT	3		5.2	0.0	2.4n%	2.1n†	2.1n†	150m†		0	75	2	G03263	M200n
50	MC10502F	3		MON	-.93%	-1.6*†	ECT	2		5.2	0.0	2.9nΔ	3.3n	3.3n	100m†		-55	125	4	G03277	FP85
51	MC10502L	3		MON	-.93%	-1.6*†	ECT	2		5.2	0.0	2.9nΔ	3.3n	3.3n	100m†		-55	125	4	G03277	M191
52	MC10506F	3		MON	-.93%	-1.6*†	ECT	4†		5.2	0.0	2.9nΔ	3.3n	3.3n	90m†		-55	125	3	G03265	FP85
53	MC10506L	3		MON	-.93%	-1.6*†	ECT	4†		5.2	0.0	2.9nΔ	3.3n	3.3n	90m†		-55	125	3	G03265	M191
54	DM10106J	3		MON	-.96%	-1.6†*	ECT	4†		5.2	0.0	2.0n	2.0n†	2.0n†	109m%		-30	85	3	G03265	M200r
55	MC1662F	3		MON	-.96%	-1.6*†	ECT	2	70	5.2	0.0	1.1n	2.1n	2.1n	240m†		-30	85	4	G0366	FP85
56	MC1662L	3		MON	-.96%	-1.6*†	ECT	2	70	5.2	0.0	1.1n	2.1n	2.1n	240m†		-30	85	4	G0366	M191
57	MC10100L	3		MON	-.96%	-1.6*†	ECT	3		5.2	0.0	2.0n%			100m†		-30	85	4	G03293	M200w
58	MC10100P	3		MON	-.96%	-1.6*†	ECT	3		5.2	0.0	2.0n%	2.0n†	2.0n†	100m†		-30	85	4	G03293	M117y
59	MC10102L	3		MON	-.96%	-1.6*†	ECT	2	90	5.2	0.0	2.0n%	2.0n†	2.0n†	100m†		-30	85	4	G03262	M191
60	MC10102P	3		MON	-.96%	-1.6*†	ECT	2	90	5.2	0.0	2.0n%	2.0n	2.0n	100m†		-30	85	4	G03262	M278
61	MC10106L	3		MON	-.96%	-1.6*†	ECT	4†		5.2	0.0	2.0n%	3.3n	3.3n	90m†		-30	85	3	G03265	M191
62	MC10106P	3		MON	-.96%	-1.6*†	ECT	4†		5.2	0.0	2.0n%	3.3n	3.3n	90m†		-30	85	3	G03265	M278
63	MC10111L	3		MON	-.96%	-1.6*†	ECT	3		5.2	0.0	2.4n%	3.5n	3.5n	160m†		-30	85	2	G03263	M191
64	MC10111P	3		MON	-.96%	-1.6*†	ECT	3		5.2	0.0	2.4n%	3.5n	3.5n	160m†		-30	85	2	G03263	M278
65	MC10211L	3		MON	-.96%	-1.6*†	ECT	5Δ		5.2	0.0	1.5n%	1.5n†	1.5n†	150m†		-30	85	2	G02165	M191
66	MC10211P	3		MON	-.96%	-1.6*†	ECT	5Δ		5.2	0.0	1.5n%	1.5n†	1.5n†	150m†		-30	85	2	G02165	M278
67	10100B	3		MON	-.96%	-1.7*†	ECT	3		5.2	0.0	20n	3.3n	3.3n	100m%		-30	85	4	G03293	M256
68	10100F	3		MON	-.96%	-1.7*†	ECT	3		5.2	0.0	20n	3.3n	3.3n	100m%		-30	85	4	G03293	M153a
69	10102B	3		MON	-.96%	-1.7*†	ECT	2		5.2	0.0	2.0n	3.3n	3.3n	100m%		-30	85	4	G03272	M256
70	10102F	3		MON	-.96%	-1.7*†	ECT	2		5.2	0.0	2.0n	3.3n	3.3n	100m%		-30	85	4	G03272	M153a
71	10106B	3		MON	-.96%	-1.7*†	ECT	4†		5.2	0.0	2.0n	3.3n	3.3n	75m%		-30	85	3	G03271	M256
72	10106F	3		MON	-.96%	-1.7*†	ECT	4†		5.2	0.0	2.0n	3.3n	3.3n	75m%		-30	85	3	G03271	M153a
73	10111B	3		MON	-.96%	-1.7*†	ECT	3		5.2	0.0	2.4n	3.5n	3.5n	150m%		-30	85	2	G03294	M256
74	10111F	3		MON	-.96%	-1.7*†	ECT	3		5.2	0.0	2.4n	3.5n	3.5n	150m%		-30	85	2	G03294	M153a
75	SN10100J	3		MON	-.98%	-1.6*	ECT	3		5.2	0.0	2.5n			100m†		0	85	4	G03293	M153d
76	SN10100N	3		MON	-.98%	-1.6*	ECT	3		5.2	0.0	2.5n			100m†		0	85	4	G03293	M117x
77	SN10102J	3		MON	-.98%	-1.6*	ECT	2		5.2	0.0	2.0n			100m†		0	85	4	G03272	M153d
78	SN10102N	3		MON	-.98%	-1.6*	ECT	2		5.2	0.0	2.0n			100m†		0	85	4	G03272	M117x
79	SN10106J	3		MON	-.98%	-1.6*	ECT	4†		5.2	0.0	2.0n			75m†		0	85	3	G03271	M153d
80	SN10106N	3		MON	-.98%	-1.6*	ECT	4†		5.2	0.0	2.0n			75m†		0	85	3	G03271	M117x
81	SN10111J	3		MON	-.98%	-1.6*	ECT	3		5.2	0.0	3.5n			50m†		0	85	2	G03294	M153d
82	SN10111N	3		MON	-.98%	-1.6*	ECT	3		5.2	0.0	3.5n			50m†		0	85	2	G03294	M117x
83♦	9909HC	3		MON			RTL	2	30	0.0	3.6	40n			2.0m	250m	0	70	1	G0336	TO99
84	HEP570-RT	3					RTL	2	16	0.0	4.0	12n			250m				4		TO116
85	HEP580-RT	3					RTL	2	4	0.0	4.0	27n			10m				2		TO99
86	HEP584-RT	3					RTL	2	16	0.0	4.0	12n			50m				2		TO99
87	HEPC2502P-RT	3		MON			RTL	2		0.0	3.6	27n			20m		15	55	4	G0391c	TO116
88	SN17909L	3		MON			RTL	2	30	0	8				10m†		-55	125	1	G03136	CN13
89	SN17910L	3		MON			RTL	2	4	0	8				4m†		-55	125	2	G03153	CN13
90	MC917F	3		MON	.75%	.45*	RTL	2	4	0.0	3.0	27n%			16m†		-55	125	4	G0391b	TO86
91	MC918F	3		MON	.75%	.45*	RTL	3	4	0.0	3.0	27n%			9.5m†		-55	125	2	G0392d	TO91
92	MC918G	3		MON	.75%	.45*	RTL	3	4	0.0	3.0	27n%			9.5m†		-55	125	2	G0392c	TO100
93	MC919F	3		MON	.75%	.45*	RTL	4	4	0.0	3.0	27n%			11m†		-55	125	2	G0367a	TO86
94	MC817F	3		MON	.80%	.46*	RTL	2	4	0.0	3.6	27n%			20m†		0	75	4	G0391b	TO86
95	MC817P	3		MON	.80%	.46*	RTL	2	4	0.0	3.6	27n%			20m†		0	75	4	G0391c	TO116
96	MC818F	3		MON	.80%	.46*	RTL	3	4	0.0	3.6	27n%			12m†		0	75	2	G0392d	TO91
97	MC818G	3		MON	.80%	.46*	RTL	3	4	0.0	3.6	27n%			12m†		0	75	2	G0392c	TO100
98	MC818P	3		MON	.80%	.46*	RTL	3	4	0.0	3.6	27n%			12m†		0	75	2	G0365f	TO116
99	MC819P	3		MON	.80%	.46*	RTL	4	4	0.0	3.6	27n%			13m†		0	75	2	G0390b	TO116
100	MC892F	3		MON	.82%	.57*	RTL	3	5	0.0	3.6	12n%			57m†		0	100	3	G0365d	TO86
101	MC893F	3		MON	.82%	.57*	RTL	3	4	0.0	3.6	27n%			18m†		0	75	3	G0365d	TO86
102	MC924F	3		MON	.82%	.57*	RTL	2	5	0	4	12n			76m†		-55	125	4	G03153a	TO86
103	MC925F	3		MON	.82%	.57*	RTL	4	5	0	4	12n			38m		-55	125	2	G0390a	TO86
104	MC824F	3		MON	.84%	.55*	RTL	2	5	0	4	12n			76m†		0	100	4	G03153a	TO86
105	MC825F	3		MON	.84%	.55*	RTL	4	5	0	4	12n			38m		0	100	2	G0390a	TO86
106	MC992F	3		MON	.84%	.55*	RTL	3	5	0.0	3.0	12n%			57m†		-55	125	3	G0365d	TO86
107	MC993F	3		MON	.84%	.55*	RTL	3	4	0.0	3.0	27n%			14m†		-55	125	3	G0365d	TO86
108	MC715P	3		MON	.85%	.46*	RTL	3	16	0.0	3.6	12n%			55m†		15	55	2	G0392e	TO116
109	MC717P	3		MON	.85%	.46*	RTL	2	4	0.0	3.6	27n%			20m†		15	55	4	G0391c	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	[6] TYPE No.	[1] TYPE OF GATE	[5] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [3] '1' (V)	LOGIC LEVEL [4] '0' (V)	LOGIC TYPE [2]	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (ns)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC718P	3		MON	.85%	.46*	RTL	3	4	0.0	3.6	27n%			12mt		15	55	2	G0365f	TO116
2	MC719P	3		MON	.85%	.46*	RTL	4	4	0.0	3.6	27n%			13mt		15	55	2	G0390b	TO116
3	MC725P	3		MON	.85%	.46*	RTL	4	16	0.0	3.6	12n%			60mt		15	55	2	G0390b	TO116
4	MC892P	3		MON	.85%	.46*	RTL	3	5	0.0	3.6	12n%			82mt		0	75	3	G0365g	TO116
5	MC893P	3		MON	.85%	.46*	RTL	3	3	0.0	3.6	27n%			18mt		0	75	3	G0365g	TO116
6	MC819F	3		MON	.88%	.46*	RTL	4	4	0.0	3.6	27n%			13mt		0	75	2	G0367a	TO86
7	MC792P	3		MON	.88%	.50*	RTL	3	16	0.0	3.6	12n%			82mt		15	55	3	G0365g	TO116
8	MC793P	3		MON	.88%	.50*	RTL	3	3	0.0	3.6	27n%			18mt		15	55	3	G0365g	TO116
9	MC815P	3		MON	.88%	.50*	RTL	3	16	0.0	3.6	12n%			55mt		0	75	2	G0392e	TO116
10	MC825P	3		MON	.88%	.50*	RTL	4	5	0.0	3.6	12n%			60mt		0	75	2	G0390b	TO116
11	MC717F	3		MON	.90	.10	RTL	2	4	0.0	3.6	27n%			20mt		15	55	4	G0391b	TO86
12	MC718F	3		MON	.90	.10	RTL	3	4	0.0	3.6	27n%			12mt		15	55	2	G0392d	TO91
13	MC718G	3		MON	.90	.10	RTL	3	4	0.0	3.6	27n%			12mt		15	55	2	G0392c	TO100
14	MC719F	3		MON	.90	.10	RTL	4	4	0.0	3.6	27n%			13mt		15	55	2	G0367a	TO86
15	MC792F	3		MON	.90	.10	RTL	3	16	0.0	3.6	12n%			82mt		15	55	3	G0365d	TO86
16	MC793F	3		MON	.90	.10	RTL	3	4	0.0	3.6	27n%			18mt		15	55	3	G0365d	TO86
17	9952DC	3		MON	2.35%	.36†*	RTL	2	12	2.0	4.5	7.0n			2.0	1.0	15	55	2	G03205	TO116
18	MC724AP	3		MON	2.6%	.50*†	RTL	2	16	0.0	3.6	12n%			100mt		15	55	4	G0391c	TO116
19	MC724P	3		MON	2.6%	.50*†	RTL	2	16	0.0	3.6	12n%			100mt		15	55	4	G0391c	TO116
20	MC824AP	3		MON	2.6%	.50*†	RTL	2	16	0.0	3.6	12n%			100mt		0	75	4	G0391c	TO116
21	MC824P	3		MON	2.6%	.50*†	RTL	2	16	0.0	3.6	12n%			100mt		0	75	4	G0391c	TO116
22♦	LCE702	3	1.0M	MOH	6.0	0.0†	RTL	4		6	12	30n					-15	65	1		M45
23♦	LCE302	3	3.0M	MOH	6.0	0.0†	RTL	5		6	12	25n	60n	20n	140m		-40	100	1	G0327	CN27
24♦	LCE310	3	3.0M	MOH	6.0	0.0†	RTL	5		6	12	25n	28n	82n	140m		-40	100	1	G0329	CN27
25♦#	LCE402	3	3.0M	MOH	6.0	0.0†	RTL	4		6.0	12	25n	28n	82n	140m		-40	100	1		M45
26♦	LCE502	3	5.0M	MOH	6.0	0.0†	RTL	4		6	12	25n					-30	80	1		M45
27#	T122D2	3		MON	1.4%	.90*	TTL	2	10	0.0	5.0	12nΔ			44mt	1.0 Δ	0	75	4	G03297	M294
28#	T122F2	3		MON	1.4%	.90*	TTL	2	10	0.0	5.0	12nΔ			44mt	1.0 Δ	0	75	4	G03297	FP28g
29#	T122B1	3		MON	1.6%	.85*	TTL	2	10	0.0	5.0	15nΔ			44mt	1.0 Δ	0	75	4	G03297	M126u
30#	T122D1	3		MON	1.6%	.85*	TTL	2	10	0.0	5.0	15nΔ			44mt	1.0 Δ	0	75	4	G03297	M294
31#	T122F1	3		MON	1.6%	.85*	TTL	2	10	0.0	5.0	15nΔ			44mt	1.0 Δ	0	75	4	G03297	FP28g
32	9015DM	3		MON	1.7%	.90*	TTL	4†	11	0.0	5.0	7.0n			80mt		-55	125	4	G03237	M153a
33	9015FM	3		MON	1.7%	.90*	TTL	4†	11	0.0	5.0	7.0n			80mt		-55	125	4	G03237	FP47b
34	TG330F	3		MON	1.7%	1.2*	TTL	2	15	0.0	5.0	20nΔ			80mt	1.1 Δ	-55	125	4	G03285	TO86
35	TG330J	3		MON	1.7%	1.2*	TTL	2	15	0.0	5.0	20nΔ			80mt	1.1 Δ	-55	125	4	G03285	M157c
36	TG331F	3		MON	1.7%	1.2*	TTL	2	15	0.0	5.0	20nΔ			80mt	1.1 Δ	-55	125	4	G03285	TO86
37	TG331J	3		MON	1.7%	1.2*	TTL	2	15	0.0	5.0	20nΔ			80mt	1.1 Δ	-55	125	4	G03285	M157c
38	TG332F	3		MON	1.7%	1.2*	TTL	2	15	0.0	5.0	20nΔ			80mt	1.1 Δ	-55	125	4	G03285	TO86
39	TG332J	3		MON	1.7%	1.2*	TTL	2	15	0.0	5.0	20nΔ			80mt	1.1 Δ	-55	125	4	G03285	M157c
40	TG333F	3		MON	1.7%	1.2*	TTL	2	15	0.0	5.0	20nΔ			80mt	1.1 Δ	-55	125	4	G03285	TO86
41	TG333J	3		MON	1.7%	1.2*	TTL	2	15	0.0	5.0	20nΔ			80mt	1.1 Δ	-55	125	4	G03285	M157c
42	9015DC	3		MON	1.8%	.85*	TTL	4†	11	0.0	5.0	8.0n			80mt		0	75	4	G03237	M153a
43	9015FC	3		MON	1.8%	.85*	TTL	4†	11	0.0	5.0	8.0n			80mt		0	75	4	G03237	FP47b
44	TG340F	3		MON	1.8%	1.1*	TTL	2	11	0.0	5.0	10nΔ			88mt	1.0 Δ	-55	125	4	G03286	TO86
45	TG340J	3		MON	1.8%	1.1*	TTL	2	11	0.0	5.0	10nΔ			88mt	1.0 Δ	-55	125	4	G03286	M157c
46	TG341F	3		MON	1.8%	1.1*	TTL	2	11	0.0	5.0	10nΔ			88mt	1.0 Δ	-55	125	4	G03286	TO86
47	TG341J	3		MON	1.8%	1.1*	TTL	2	11	0.0	5.0	10nΔ			88mt	1.0 Δ	-55	125	4	G03286	M157c
48	TG342F	3		MON	1.8%	1.1*	TTL	2	11	0.0	5.0	10nΔ			88mt	1.0 Δ	-55	125	4	G03286	TO86
49	TG342J	3		MON	1.8%	1.1*	TTL	2	11	0.0	5.0	10nΔ			88mt	1.0 Δ	-55	125	4	G03286	M157c
50	TG343F	3		MON	1.8%	1.1*	TTL	2	11	0.0	5.0	10nΔ			88mt	1.0 Δ	-55	125	4	G03286	TO86
51	TG343J	3		MON	1.8%	1.1*	TTL	2	11	0.0	5.0	10nΔ			88mt	1.0 Δ	-55	125	4	G03286	M157c
52	DM54L02F	3		MON	2.0%	.70*	TTL	2	20	0.0	5.0	100nΔ			4.0mt		-55	125	4	G03200	FP87a
53	DM54L02J	3		MON	2.0%	.70*	TTL	2	20	0.0	5.0	100nΔ			4.0mt		-55	125	4	G03200	M294b
54	DM54L02N	3		MON	2.0%	.70*	TTL	2	20	0.0	5.0	100nΔ			4.0mt		0	70	4	G03200	M344
55	DM74L02F	3		MON	2.0%	.70*	TTL	2	20	0.0	5.0	100nΔ			4.0mt		0	70	4	G03200	FP87a
56	DM74L02J	3		MON	2.0%	.70*	TTL	2	20	0.0	5.0	100nΔ			4.0mt		0	70	4	G03200	M294b
57	DM74L02N	3		MON	2.0%	.70*	TTL	2	20	0.0	5.0	100nΔ			4.0mt		0	70	4	G03200	M344
58	JANM38510/02701BAA	3		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G03284a	FP115
59	JANM38510/02701BAC	3		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G03284a	FP115
60	JANM38510/02701BCB	3		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G03284	M314
61	JANM38510/02701BDB	3		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G03284a	FP116
62	JANM38510/02701CAA	3		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G03284a	FP115
63	JANM38510/02701CAC	3		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G03284a	FP115
64	JANM38510/02701CCB	3		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G03284	M314
65	JANM38510/02701CDB	3		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G03284a	FP116
66	SN54L02J	3		MON	2.0%	.70*	TTL	2	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	-55	125	4	G03241a	M157b
67	SN54L02T	3		MON	2.0%	.70*	TTL	2	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	-55	125	4	G03241a	FP52e
68▼	SN54LS02J	3		MON	2.0%	.70*	TTL	2	11	0.0	5.0	20nΔ			27m	1.0 *	-55	125	4	G03287	M157b
69▼	SN54LS02W	3		MON	2.0%	.70*	TTL	2	11	0.0	5.0	20nΔ			27m	1.0 *	-55	125	4	G03287	FP97a
70▼	SN54LS27J	3		MON	2.0%	.70*	TTL	3	11	0.0	5.0	20nΔ			34m	1.0 *	-55	125	3	G03302	M157b
71▼	SN54LS27W	3		MON	2.0%	.70*	TTL	3	11	0.0	5.0	20nΔ			34m	1.0 *	-55	125	3	G03302	FP97a
72▼	SN54LS28J	3		MON	2.0%	.70*	TTL	2	33	0.0	5.0	24nΔ			69m	1.0 *	-55	125	4	G03287	M157b
73▼	SN54LS28W	3		MON	2.0%	.70*	TTL	2	33	0.0	5.0	24nΔ			69m	1.0 *	-55	125	4	G03287	FP97a
74▼	SN54LS33J	3		MON	2.0%Ø	.70*	TTL	2	33	0.0	5.0	32nΔ			69m	1.0 *	-55	125	4	G03287	M157b
75▼	SN54LS33W	3		MON	2.0%Ø	.70*	TTL	2	33	0.0	5.0	32nΔ			69m	1.0 *	-55	125	4	G03287	FP97a
76	SN74L02J	3		MON	2.0%	.70*	TTL	2	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	70	4	G03241a	M157b
77	SN74L02N	3		MON	2.0%	.70*	TTL	2	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	70	4	G03241a	M126e
78	DM5402J	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56mt	400m	-55	125	4	G03173a	M294b
79	DM5402N	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56mt	400m	-55	125	4	G03173a	M344
80	DM5402W	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56mt	400m	-55	125	4	G03173a	FP97a
81	DM5423J	3		MON	2.0%	.80*	TTL	7†		0.0	5.0	15nΔ			95m§		-55	125	2	G03257a	M200r
82	DM5423N	3		MON	2.0%	.80*	TTL	7†		0.0	5.0	15nΔ			95m§		-55	125	2	G03257a	M345
83	DM5423W	3		MON	2.0%	.80*	TTL	7†		0.0	5.0	15nΔ			95m§		-55	125	2	G03257a	FP88a
84	DM5425J	3		MON	2.0%	.80*	TTL	5		0.0	5.0	15nΔ			95m§		-55	125	2	G03257	M200r
85	DM5425N	3		MON	2.0%	.80*	TTL	5		0.0	5.0	15nΔ			95m§		-55	125	2	G03257	M345
86	DM5425W	3		MON	2.0%	.80*	TTL	5		0.0	5.0	15nΔ			95m§		-55	125	2	G03257	FP88a
87	DM5427J	3		MON	2.0%	.80*	TTL	3		0.0	5.0	15nΔ			130m§		-55	125	3	G03258	M200r
88	DM5427N	3		MON	2.0%	.80*	TTL	3		0.0	5.0	15nΔ			130m§		-55	125	3	G03258	M345
89	DM5427W	3		MON	2.0%	.80*	TTL	3		0.0	5.0	15nΔ			130m§		-55	125	3	G03258	FP88a
90	DM7402J	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56mt	400m	0	70	4	G03173a	M294b
91	DM7402N	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56mt	400m	0	70	4	G03173a	M344
92	DM7423J	3		MON	2.0%	.80*	TTL	7†		0.0	5.0	15nΔ			95m§		0	70	2	G03257a	M200r
93	DM7423N	3		MON	2.0%	.80*	TTL	7†		0.0	5.0	15nΔ			95m§		0	70	2	G03257a	M345
94	DM7423W	3		MON	2.0%	.80*	TTL	7†		0.0	5.0	15nΔ			95m§		0	70	2	G03257a	FP88a
95	DM7425J	3		MON	2.0%	.80*	TTL	5		0.0	5.0	15nΔ			95m§		0	70	2	G03257	M200r
96	DM7425N	3		MON	2.0%	.80*	TTL	5		0.0	5.0	15nΔ			95m§		0	70	2	G03257	M345
97	DM7425W	3		MON	2.0%	.80*	TTL	5		0.0	5.0	15nΔ			95m§		9	70	2	G03257	FP88a
98	DM7427J	3		MON	2.0%	.80*	TTL	3		0.0	5.0	15nΔ			130m§		0	70	3	G03258	M200r
99	DM7427N	3		MON	2.0%	.80*	TTL	3		0.0	5.0	15nΔ			130m§		0	70	3	G03258	M345
100	DM7427W	3		MON	2.0%	.80*	TTL	3		0.0	5.0	15nΔ			130m§		0	70	3	G03258	FP88a
101#	FJH221-7402	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n%			57mt	400m	0	70	4	G03173	M126f
102♦#	FLH191-7402	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ		4.0nt	135m§	1.0 Δ	0	70	4	G03200	M126p

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼#	FLH191S7402S1	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ		4.0nt	135mŞ	1.0 Δ	0	70	4	G03200	M126p
2♦#	FLH195-8402	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ		4.0nt	135mŞ	1.0 Δ	-25	85	4	G03200	M126p
3▼#	FLH195S8402S1	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ		4.0nt	135mŞ	1.0 Δ	-25	85	4	G03200	M126p
4♦#	FLH511-7423	3		MON	2.0%	.80*	TTL	7†	10	0.0	5.0	22nΔ			95mŞ	1.0 Δ	0	70	2	G03257a	M117w
5♦#	FLH515-8423	3		MON	2.0%	.80*	TTL	7†	10	0.0	5.0	22nΔ			95mŞ	1.0 Δ	-25	85	2	G03257a	M117w
6♦#	FLH521-7425	3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	22nΔ			95mŞ	1.0 Δ	0	70	2	G03257	M126p
7♦#	FLH525-8425	3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	22nΔ			95mŞ	1.0 Δ	-25	85	2	G03257	M126p
8♦#	FLH621-7427	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	15nΔ			130mŞ	1.0 Δ	0	70	3	G03258	M126p
9♦#	FLH625-8427	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	15nΔ			130mŞ	1.0 Δ	-25	85	3	G03258	M126p
10▼#	FLH661-7428	3		MON	2.0%	.80*	TTL	2	60	0.0	5.0	18nΔ			285mŞ		0	70	4	G03289	M126p
11▼#	FLH661-7433	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	24nΔ			285mŞ		0	70	4	G03301	M126p
12▼#	FLH661-74128	3		MON	2.0%	.80*	TTL	2	60	0.0	5.0	18nΔ			285mŞ		0	70	4	G03289	M126p
13▼#	FLH665-8428	3		MON	2.0%	.80*	TTL	2	60	0.0	5.0	18nΔ			285mŞ		-25	85	4	G03289	M126p
14▼#	FLH665-8433	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	24nΔ			285mŞ		-25	85	4	G03301	M126p
15▼#	FLH665-84128	3		MON	2.0%	.80*	TTL	2	60	0.0	5.0	18nΔ			285mŞ		-25	85	4	G03289	M126p
16▼#	GFB7402	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			56m†	400m	0	70	4	G03173	TO116
17	I762	3		PCB	2.0	.80	TTL	2	10	0.0	7.0	22n			56m		-40	85	16		CB☑
18	ITT5402J	3			2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40m†		-55	125	4	G03233a	M157
19	ITT7402J	3			2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40m†		0	70	4	G03233a	M157
20	JANM38510/00401BAA	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	FP115
21	JANM38510/00401BAB	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	FP115
22	JANM38510/00401BAC	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	FP115
23	JANM38510/00401BCA	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	M314
24	JANM38510/00401BCB	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	M314
25	JANM38510/00401BCC	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	M314
26	JANM38510/00401BDB	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	FP116
27	JANM38510/00401BDC	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	FP116
28	JANM38510/00401CAA	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	FP115
29	JANM38510/00401CAB	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	FP115
30	JANM38510/00401CAC	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	FP115
31	JANM38510/00401CCA	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	M314
32	JANM38510/00401CCB	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	M314
33	JANM38510/00401CCC	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	M314
34	JANM38510/00401CDB	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	FP116
35	JANM38510/00401CDC	3		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			240m		-55	125	4	G03173	FP116
36	JANM38510/00402BEA	3		MON	2.0%	.80*	TTL	7†	10	0.0	5.5	27nΔ			120m		-55	125	2	G03257a	M146c
37	JANM38510/00402BEB	3		MON	2.0%	.80*	TTL	7†	10	0.0	5.5	27nΔ			120m		-55	125	2	G03257a	M146c
38	JANM38510/00402BFB	3		MON	2.0%	.80*	TTL	7†	10	0.0	5.5	27nΔ			120m		-55	125	2	G03257a	FP93b
39	JANM38510/00402CEA	3		MON	2.0%	.80*	TTL	7†	10	0.0	5.5	27nΔ			120m		-55	125	2	G03257a	M146c
40	JANM38510/00402CEB	3		MON	2.0%	.80*	TTL	7†	10	0.0	5.5	27nΔ			120m		-55	125	2	G03257a	M146c
41	JANM38510/00402CFB	3		MON	2.0%	.80*	TTL	7†	10	0.0	5.5	27nΔ			120m		-55	125	2	G03257a	FP93b
42	JANM38510/00403BAA	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	FP115
43	JANM38510/00403BAB	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	FP115
44	JANM38510/00403BAC	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	FP115
45	JANM38510/00403BCA	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	M314
46	JANM38510/00403BCB	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	M314
47	JANM38510/00403BDB	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	FP116
48	JANM38510/00403CAA	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	FP115
49	JANM38510/00403CAB	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	M314
50	JANM38510/00403CAC	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	FP115
51	JANM38510/00403CCA	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	M314
52	JANM38510/00403CCB	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	M314
53	JANM38510/00403CDB	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	FP116
54	JANM38510/00404BAA	3		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			180m		-55	125	3	G03233b	FP115
55	JANM38510/00404BAB	3		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			180m		-55	125	2	G03233b	FP115
56	JANM38510/00404BAC	3		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			180m		-55	125	2	G03233b	FP115
57	JANM38510/00404BCA	3		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			180m		-55	125	2	G03233b	M314
58	JANM38510/00404BCB	3		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			180m		-55	125	3	G03233b	M314
59	JANM38510/00404BDB	3		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			180m		-55	125	3	G03233b	FP116
60	JANM38510/00404CAA	3		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			180m		-55	125	3	G03233b	FP115
61	JANM38510/00404CAB	3		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			180m		-55	125	3	G03233b	FP115
62	JANM38510/00404CAC	3		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			180m		-55	125	3	G03233b	FP115

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/00404CCA	3		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			180m		-55	125	3	G03233b	M314
2	JANM38510/00404CCB	3		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			180m		-55	125	3	G03233b	M314
3	JANM38510/00404CDB	3		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			180m		-55	125	3	G03233b	FP116
4#	M53202P	3		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n%			12m†	1.0 Δ	0	75	4	G03173	M105j
5#	M53225P	3		MON	2.0%	.80*	TTL	8Δ	10	0.0	5.0	22n			100m		0	75	2	G03257	M105j
6#	M53227P	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	15nΔ			137m		0	75	3	G03258	M105j
7#	MIC5402J	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			55m†	500m	-55	125	4	G03233a	TO116
8♦#	MIC5425J	3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	10n%			45m†	1.0 Δ	-55	125	2	G03257	TO116
9♦#	MIC5428J	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	15nΔ			100m†	500m	-55	125	4	G03233a	TO116
10♦#	MIC5433AJ	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	23nΔ			100m†	400m*	-55	125	4	G03287	TO116
11♦#	MIC5433J	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	23nΔ			100m†	400m*	-55	125	4	G03287	TO116
12#	MIC6402J	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			55m†	500m	-40	85	4	G03233a	TO116
13#	MIC6425J	3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	11n%			105m	1.0 Δ	-40	85	2	G03257	TO116
14#	MIC6433AJ	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	52nΔ			100m†	400m*	-40	85	4	G03228	TO116
15#	MIC6433J	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	52nΔ			100m†	400m*	-40	85	4	G03228	TO116
16#	MIC7402J	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			55m†	500m	0	75	4	G03233a	TO116
17♦#	MIC7402N	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			55m†	500m	0	75	4	G03233a	M126x
18♦#	MIC7425J	3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	10n%			45m†	1.0 Δ	0	75	2	G03257	TO116
19♦#	MIC7425N	3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	10n%			45m†	1.0 Δ	0	75	2	G03257	M126x
20♦#	MIC7428J	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	15nΔ			100m†	500m	0	75	4	G03233a	TO116
21♦#	MIC7428N	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	15nΔ			100m†	500m	0	75	4	G03233a	M126x
22♦#	MIC7433AJ	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	23nΔ			100m†	400m*	0	75	4	G03287	TO116
23♦#	MIC7433AN	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	23nΔ			100m†	400m*	0	75	4	G03287	M126x
24♦#	MIC7433J	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	23nΔ			100m†	400m*	0	75	4	G03287	TO116
25♦#	MIC7433N	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	23nΔ			100m†	400m*	0	75	4	G03287	M126x
26	N74LS02A	3		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10n			2.7mΔ		0	70	4	G03287	M318
27	N74LS02F	3		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10n			2.7mΔ		0	70	4	G03287	M235a
28	N74LS27A	3		MON	2.0%	.80*	TTL	3†		0.0	5.0	10n			34m		0	70	3	G03295	M318
29	N74LS27F	3		MON	2.0%	.80*	TTL	3†		0.0	5.0	10n			34m		0	70	3	G03295	M235a
30▼	N74LS260A	3		MON	2.0%	.80*	TTL	5		0.0	5.0	20nΔ			26m§		0	70	2	G03289	M318
31▼	N74LS260F	3		MON	2.0%	.80*	TTL	5		0.0	5.0	20nΔ			26m§		0	70	2	G03289	M257f
32	N74S02A	3		MON	2.0%	.80*	TTL	2	20	0.0	5.0	3.5n			29mΔ		0	70	4	G03289a	M318
33	N74S02F	3		MON	2.0%	.80*	TTL	2	20	0.0	5.0	3.5n			29mΔ		0	70	4	G03289a	M200x
34	N74S260A	3		MON	2.0%	.80*	TTL	5	20	0.0	5.0	3.5n			46mΔ		0	70	2	G03289	M318
35	N74S260F	3		MON	2.0%	.80*	TTL	5	20	0.0	5.0	3.5n			46mΔ		0	70	2	G03289	M200x
36♦	N7402A	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			135m§	1.0 †	0	70	4	G03173a	M318
37▼	N7402F	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			135m§	1.0 †	0	70	4	G03173a	M257f
38	N7427A	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	10n			80mΔ		0	70	3	G03258	M318
39	N7427F	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	10n			80mΔ		0	70	3	G03258	M200x
40	NC7402N	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40m†	1.0 Δ	0	70	4	G03173	M126
41▼	S54LS260A	3		MON	2.0%	.80*	TTL	5		0.0	5.0	20nΔ			26m§		-55	125	2	G03289	M318
42▼	S54LS260F	3		MON	2.0%	.80*	TTL	5		0.0	5.0	20nΔ			26m§		-55	125	2	G03289	M257f
43▼	S54LS260W	3		MON	2.0%	.80*	TTL	5		0.0	5.0	20nΔ			26m§		-55	125	2	G03289	FP39e
44	S54S02A	3		MON	2.0%	.80*	TTL	2	20	0.0	5.0	3.5n			29mΔ		-55	125	4	G03289a	M318
45	S54S02F	3		MON	2.0%	.80*	TTL	2	20	0.0	5.0	3.5n			29mΔ		-55	125	4	G03289a	M200x
46	S54S02W	3		MON	2.0%	.80*	TTL	2	20	0.0	5.0	3.5n			29mΔ		-55	125	4	G03289a	FP39e
47	S54S260A	3		MON	2.0%	.80*	TTL	5	20	0.0	5.0	3.5n			46mΔ		-55	125	2	G03289	M318
48	S54S260F	3		MON	2.0%	.80*	TTL	5	20	0.0	5.0	3.5n			46mΔ		-55	125	2	G03289	M200x
49	S54S260W	3		MON	2.0%	.80*	TTL	5	20	0.0	5.0	3.5n			46mΔ		-55	125	2	G03289	FP39e
50♦	S5402A	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			135m§	1.0 †	-55	125	4	G03173a	M318
51▼	S5402F	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			135m§	1.0 †	-55	125	4	G03173a	M257f
52▼	S5402W	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			135m§	1.0 †	-55	125	4	G03173a	FP39e
53	S5427A	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	10n			80mΔ		-55	125	3	G03258	M318
54	S5427F	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	10n			80mΔ		-55	125	3	G03258	M200x
55#	SFC402E	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56m	1.0 Δ	0	70	4	G03173a	TO116
56#	SFC402EM	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56m	1.0 Δ	-55	125	4	G03173a	TO116
57#	SFC402ET	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56m	1.0 Δ	-25	85	4	G03173a	TO116
58#	SFC402EV	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56m	1.0 Δ	-40	85	4	G03173a	TO116
59#	SFC402P	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56m	1.0 Δ	0	70	4	G03173a	TO85
60#	SFC402PM	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56m	1.0 Δ	-55	125	4	G03173a	TO85
61	SN54S260J	3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	3.5n			58m†	300m	-55	125	2	G03289	M157b
62	SN54S260W	3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	3.5n			58m†	300m	-55	125	2	G03289	Δ004AA
63▼	SN74LS02J	3		MON	2.0%	.80*	TTL	2	22	0.0	5.0	20nΔ			27m	1.0 *	0	70	4	G03287	M157b
64▼	SN74LS02N	3		MON	2.0%	.80*	TTL	2	22	0.0	5.0	20nΔ			27m	1.0 *	0	70	4	G03287	M126e
65▼	SN74LS27J	3		MON	2.0%	.80*	TTL	3	22	0.0	5.0	20nΔ			34m	1.0 *	0	70	3	G03302	M157b
66▼	SN74LS27N	3		MON	2.0%	.80*	TTL	3	22	0.0	5.0	20nΔ			34m	1.0 *	0	70	3	G03302	M126e
67▼	SN74LS28J	3		MON	2.0%	.80*	TTL	2	66	0.0	5.0	24nΔ			69m	1.0 *	0	70	4	G03287	M157b
68▼	SN74LS28N	3		MON	2.0%	.80*	TTL	2	66	0.0	5.0	24nΔ			69m	1.0 *	0	70	4	G03287	M126e
69▼	SN74LS33J	3		MON	2.0%Ø	.80*	TTL	2	66	0.0	5.0	32nΔ			69m	1.0 *	0	70	4	G03287	M157b
70▼	SN74LS33N	3		MON	2.0%Ø	.80*	TTL	2	66	0.0	5.0	32nΔ			69m	1.0 *	0	70	4	G03287	M126e
71	SN74S260J	3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	3.5n			58m†	300m	0	70	2	G03289	M157b
72	SN74S260N	3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	3.5n			58m†	300m	0	70	2	G03289	M126e
73	SN5402J	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40m†	1.0 Δ	-55	125	4	G03173	M157b
74	SN5402N	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56m	1.0 Δ	-55	125	4	G03233a	M126d
75	SN5402W	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22n			14mΔ	1.0 Δ	-55	125	4	G03173	Δ004AA
76	SN5423J	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			105m		-55	125	2	G03257a	M153d
77	SN5423N	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			105m		-55	125	2	G03257a	M117m
78	SN5423W	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			105m		-55	125	2	G03257a	Δ004AG
79	SN5425J	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			105m		-55	125	2	G03257	M157b
80	SN5425N	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			105m		-55	125	2	G03257	M126e
81	SN5425W	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			105mΔ		-55	125	2	G03257	Δ004AA
82	SN5427J	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	15nΔ			143m		-55	125	3	G03258	M157b
83	SN5427N	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	15nΔ			143m		-55	125	3	G03258	M126e
84	SN5427W	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	15nΔ			143m		-55	125	3	G03258	Δ004AA
85	SN5428J	3		MON	2.0%	.80*	TTL	2	60	0.0	5.0	18nΔ			112m†	1.0 Δ	-55	125	4	G03228	M157b
86	SN5428W	3		MON	2.0%	.80*	TTL	2	60	0.0	5.0	18nΔ			112m†	1.0 Δ	-55	125	4	G03228	Δ004AA
87♦	SN5433J	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	12n			112m†	1.0 Δ	-55	125	4	G03301	M157b
88♦	SN5433W	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	24nΔ			112m†	1.0 Δ	-55	125	4	G03301	Δ004AA
89#	SN6402N	3		MON	2.0%	.80*	TTL	2	10	0.0	7.0	22n%			14m†	1.0	-40	85	4	G03173	M126
90	SN7402J	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40m†	1.0 Δ	0	70	4	G03173	M157b
91	SN7402N	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56m	1.0 Δ	0	70	4	G03233a	M126e
92	SN7423J	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			100m		0	70	2	G03257a	M153d
93	SN7423N	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			100m		0	70	2	G03257a	M117x
94	SN7423W	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			100m		0	70	2	G03257a	Δ004AG
95	SN7425J	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			100m		0	70	2	G03257	M157b
96	SN7425N	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			100m		0	70	2	G03257	M126e
97	SN7425W	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			100mΔ		0	70	2	G03257	TO84
98	SN7427J	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	15nΔ			137m		0	70	3	G03258	M157b
99	SN7427N	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	15nΔ			137m		0	70	3	G03258	M126e
100	SN7428J	3		MON	2.0%	.80*	TTL	2	60	0.0	5.0	8.0n			112m†	1.0 Δ	0	70	4	G03228	M157b
101	SN7428N	3		MON	2.0%	.80*	TTL	2	60	0.0	5.0	18 Δ			112m†	1.0 Δ	0	70	4	G03228	M126e
102♦	SN7433J	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	12n			112m†	1.0 Δ	0	70	4	G03301	M157b
103♦	SN7433N	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	24nΔ			112m†	1.0 Δ	0	70	4	G03301	M126e
104	SN54128J	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	8.0n			112m†	1.0 Δ	-55	125	4	G03228	M157b
105	SN54128W	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	18 Δ			112m†	1.0 Δ	-55	125	4	G03228	Δ004AA
106	SN74128J	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	8.0n			112m†	1.0 Δ	0	70	4	G03228	M157b
107	SN74128N	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	18 Δ			112m†	1.0 Δ	0	70	4	G03228	M126e

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX. FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SW7402J	3		MON	2.0%	.80*	TTL	2	10	0.0	5.25	22n%			14m	1.0	0	70	4	G03173	M114
2	SW7402N	3		MON	2.0%	.80*	TTL	2	10	0.0	5.25	22n%			14m	1.0	0	70	4	G03173	M105n
3	SW7423J	3		MON	2.0%	.80*	TTL	7Δ	10	0.0	5.0	22n			100m		0	70	2	G03257a	M200
4	SW7423N	3		MON	2.0%	.80*	TTL	7Δ	10	0.0	5.0	22n			100m		0	70	2	G03257a	M117
5	SW7425J	3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	22n			100m		0	70	2	G03257	TO116
6	SW7425N	3		MON	2.0%	.80*	TTL	5	10	0.0	5.0	22n			100m		0	70	2	G03257	M105n
7#	T7402B1	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40m†	1.0 Δ	0	70	4	G0366e	M126u
8#	T7402D1	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40m†	1.0 Δ	0	70	4	G0366e	M294
9#	T7402D2	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40m†	1.0 Δ	0	70	4	G0366e	M294
10#	T7428B1	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	18nΔ			112m†	1.0 Δ	0	75	4	G03228	M126s
11#	T7428D1	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	18nΔ			112m†	1.0 Δ	0	75	4	G03228	M294d
12#	T7428D2	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	18nΔ			112m†	1.0 Δ	-55	125	4	G03228	M294d
13#	T7433B1	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	24nΔ			112m†	1.0 Δ	0	75	4	G03228	M126s
14#	T7433D1	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	24nΔ			112m†	1.0 Δ	0	75	4	G03228	M294d
15#	T7433D2	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	24nΔ			112m†	1.0 Δ	-55	125	4	G03228	M294d
16#	TL7402N	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			183m†		0	70	4	G03173	M126n
17#	TL7423N	3		MON	2.0%	.80*	TTL	7Δ	20	0.0	5.0	22nΔ			91m†		0	70	2	G03257a	M117u
18#	TL7425N	3		MON	2.0%	.80*	TTL	5Δ	20	0.0	5.0	22nΔ			91m†		0	70	2	G03257	M126n
19	TRW7402#1	3		MON	2.0%	.80	TTL	2	10	0.0	5.0	22n			40m†	1.0	0	70	4	G03173	M126
20	TRW7402#2	3		MON	2.0%	.80	TTL	2	10	0.0	5.0	22n			40m†	1.0	0	70	4	G03173	M157
21	US5402A	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			-55	125	4	G03233a	M105b
22	US5402J	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			-55	125	4	G03233	TO88
23	US5427A	3		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10n			50m†	1.0 Δ	-55	125	3	G04233B	M105b
24	US5427J	3		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10n			50m†	1.0 Δ	-55	125	3	G03233c	TO88
25	US5429A	3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n			45m†	1.0 Δ	-55	125	2	G03233d	M105b
26	US5429J	3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n			45m†	1.0 Δ	-55	125	2	G03233e	TO88
27	US7402A	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			0	70	4	G03233a	M105b
28	US7402J	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			0	70	4	G03233	TO88
29	US7427A	3		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10n			50m†	1.0 Δ	0	70	3	G03233b	M105b
30	US7427J	3		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10n			50m†	1.0 Δ	0	70	3	G03233c	TO88
31	US7429A	3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n			45m†	1.0 Δ	0	70	2	G03233d	M105b
32	US7429J	3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n			45m†	1.0 Δ	0	70	2	G03233e	TO88
33#	ZN5425E	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			105m		-55	125	2	G03257	TO116
34#	ZN5425J	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			105m		-55	125	2	G03257	M257e
35#	ZN5427E	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	15nΔ			143m		-55	125	3	G03258	TO116
36#	ZN5427J	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	15nΔ			143m		-55	125	2	G03258	M257e
37#	ZN5428E	3		MON	2.0%	.80*	TTL	2	60	0.0	5.0	18nΔ			112m†		-55	125	4	G03228	TO116
38#	ZN5428J	3		MON	2.0%	.80*	TTL	2	60	0.0	5.0	18nΔ			112m†		-55	125	4	G03228	M257e
39#	ZN7425E	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			105m		0	70	2	G03257	TO116
40#	ZN7425J	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			105m		0	70	2	G03257	M257e
41#	ZN7427E	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	15nΔ			143m		0	70	3	G03258	TO116
42#	ZN7427J	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	15nΔ			143m		0	70	2	G03258	M257e
43#	ZN7428E	3		MON	2.0%	.80*	TTL	2	60	0.0	5.0	18nΔ			112m†		0	70	4	G03228	TO116
44#	ZN7428J	3		MON	2.0%	.80*	TTL	2	60	0.0	5.0	18nΔ			112m†		0	70	4	G03228	M257e
45	MC3002F	3		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	6.0n			122m†		0	75	4	G03228	TO86
46	MC3002L,P%	3		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	6.0n			122m†		0	75	4	G03228	TO116
47	MC3102F	3		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	6.0n			122m†		-55	125	4	G03228	TO86
48	MC3102L	3		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	6.0n			122m†		-55	125	4	G03228	TO116
49	MCB5402F	3		MON	2.4	.40	TTL	2	10	0.0	5.0	10n			48m†		-55	125	4	G03267	FP77
50	MCBC5402	3		MON	2.4	.40	TTL	2	10	0.0	5.0	10n			48m†		-55	125	4	G03267	FC2
51	MC5402F	3	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	10n			40m†		-55	125	4	G03233	TO86
52	MC5402L	3	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	10n			40m†		-55	125	4	G03233a	TO116
53	MC7402F	3	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	10n			40m†		0	70	4	G03233	TO86
54	MC7402L,P%	3	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	10n			40m†		0	75	4	G03233a	TO116
55	N8242A	3		MON	2.6	.40†	TTL	2	20	0.0	5.0	18n		50n	250m		0	70	4	G03242	M105q
56	N8242F	3		MON	2.6%	.40†*	TTL	2	20	0.0	5.0	18n		50n	250m		0	75	4	G03242	M157
57	N8242Q	3		MON	2.6	.40†	TTL	2	20	0.0	5.0	18n		50n	250m		0	70	4	G03242	TO88
58	N8815A	3		MON	2.6%	.40*†	TTL	4	20	0	5	9.0n%		50n	50mΔ	600m	0	75	2	G03218b	TO116
59	N8815J	3		MON	2.6%	.40*†	TTL	4	20	0	5	9.0n%		50n	50mΔ	600m	0	75	2	G03218b	TO88
60	N8875A	3		MON	2.6%	.40*†	TTL	3	20	0	5	9.0n%		50n	44mΔ	600m	0	75	3	G03218c	TO116
61	N8875F	3		MON	2.6%	.40†*	TTL	3	20	0.0	5.0	9.0n%		50n	44mΔ	600m	0	75	3	G03218c	M157
62	N8875J	3		MON	2.6%	.40*†	TTL	3	20	0	5	9.0n%		50n	44mΔ	600m	0	75	3	G03218c	TO88
63	N8885A	3		MON	2.6%	.40*†	TTL	2	20	0	5	9.0n%		50n	37mΔ	600m	0	75	4	G03218d	TO116
64	N8885F	3		MON	2.6%	.40†*	TTL	2	20	0.0	5.0	9.0n%		50n	37mΔ	600m	0	75	4	G03218d	M157
65	N8885J	3		MON	2.6%	.40*†	TTL	2	20	0	5	9.0n%		50n	37mΔ	600m	0	75	4	G03218d	TO88
66	S8242A	3		MON	2.6	.40†	TTL	2	20	0.0	5.0	18n		50n	250m		-55	125	4	G03242	M105q
67♦	S8242F	3		MON	2.6	.40†	TTL	2	20	0.0	5.0	18n		50n	250m		-55	125	4	G03242	M105r
68	S8242Q	3		MON	2.6	.40†	TTL	2	20	0.0	5.0	18n		50n	250m		-55	125	4	G03242	TO88
69	S8815A	3		MON	2.6%	.40*†	TTL	4	20	0	5	9.0n%		50n	50mΔ	600m	-55	125	2	G03218b	TO116
70	S8815J	3		MON	2.6%	.40*†	TTL	4	20	0	5	9.0n%		50n	50mΔ	600m	-55	125	2	G03218b	TO88
71	S8875A	3		MON	2.6%	.40*†	TTL	3	20	0	5	9.0n%		50n	44mΔ	600m	-55	125	3	G03218c	TO116
72	S8875F	3		MON	2.6%	.40†*	TTL	3	20	0.0	5.0	9.0n%		50n	44mΔ	600m	-55	125	3	G03218c	M157
73	S8875J	3		MON	2.6%	.40*†	TTL	3	20	0	5	9.0n%		50n	44mΔ	600m	-55	125	3	G03218c	TO88
74	S8885A	3		MON	2.6%	.40*†	TTL	2	20	0	5	9.0n%		50n	37mΔ	600m	-55	125	4	G03218d	TO116
75	S8885F	3		MON	2.6%	.40†*	TTL	2	20	0.0	5.0	9.0n%		50n	37mΔ	600m	-55	125	4	G03218d	M157
76	S8885J	3		MON	2.6%	.40*†	TTL	2	20	0	5	9.0n%		50n	37mΔ	600m	-55	125	4	G03218d	TO88
77	54R02	3			2.7	.40	TTL	2	10	0.0	5.0	6.5n			170m		-55	125			
78	74R02	3			2.8	.40	TTL	2	10	0.0	5.0	6.5n			170m		0	75			
79	RG3412D	3		MON	3.0%	.45*†	TTL	2	11	0.0	5.0	9.5nΔ	3.0n	2.5n	120m†	1.1	0	75	4	G03259	M105m
80	RG3412K	3		MON	3.0%	.45*†	TTL	2	11	0.0	5.0	9.5nΔ	3.0n	2.5n	120m†	1.1	0	75	4	G03259	FP21b
81	RG3410D	3		MON	3.1%	.40*†	TTL	2	11	0.0	5.0	9.5nΔ	3.0n	2.5n	120m†	1.1	-55	125	4	G03259	M105m
82	RG3410K	3		MON	3.1%	.40*†	TTL	2	11	0.0	5.0	9.5nΔ	3.0n	2.5n	120m†	1.1	-55	125	4	G03259	FP21b
83♦	TMNR12	3		PCB	3.3	.22	TTL			0.0	5.0	29nΔ			225m†				12	G03233a	CB53
84	RG340D	3	35M	MON	3.3%	.30%	TTL	2	11	0.0	5.0	6.0n	3.0n	2.5n	120m	1.1	-55	125	4		TO116
85	RG340K	3	35M	MON	3.3%	.30%	TTL	2	11	0.0	5.0	6.0n	3.0n	2.5n	120m	1.0	-55	125	4		FP21g
86	RG341D	3	35M	MON	3.3%	.30%	TTL	2	7	0.0	5.0	6.0n	3.0n	2.5n	120m	1.1	-55	125	4		TO116
87	RG341K	3	35M	MON	3.3%	.30%	TTL	2	7	0.0	5.0	6.0n	3.0n	2.5n	120m	1.1	-55	125	4		FP21g
88	RG342D	3	35M	MON	3.3%	.30%	TTL	2	9	0.0	5.0	6.0n	3.0n	2.5n	120m	1.1	0	75	4		TO116
89	RG342K	3	35M	MON	3.3%	.30%	TTL	2	9	0.0	5.0	6.0n	3.0n	2.5n	120m	1.0	0	75	4		FP21g
90	RG343D	3	35M	MON	3.3%	.30%	TTL	2	6	0.0	5.0	6.0n	3.0n	2.5n	120m	1.1	0	75	4		TO116
91	RG343K	3	35M	MON	3.3%	.30%	TTL	2	6	0.0	5.0	6.0n	3.0n	2.5n	120m	1.1	0	75	4		FP21g
92#	ZN5402E	3		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		M126
93#	ZN5402F	3		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		TO86
94#	ZN7402E	3		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		M126
95#	ZN7402F	3		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		TO86
96	MM4601AD	3		MOS	3.5%	1.5*	TTL	2		0.0	5.0	35n			500m	450m	-55	125	4	G03299	M297a
97	MM5601AN	3		MOS	3.5%	1.5*	TTL	2		0.0	5.0	35n			500m	450m	-40	85	4	G03299	M344
98	MM480	3	2.0M	MOS	-8.0%	-1.0*†	TTL	3	10	10	0	250n%			24m		-55	125	2	G03202	TO100
99	MM580	3	2.0M	MOS	-8.0%	-1.0*†	TTL	3	10	10	0	250n%			24m		0	70	2	G03202	TO100
100	M201	3	3.0M	PCB	10	0.0	TTL	2	50	0.0	10	65n	20n	20n			-55	95	16		CB☑
101	M203	3	3.0M	PCB	10	0.0	TTL	3	50	0.0	10	45n	20n	20n			-55	95	12		CB☑
102	M205	3	3.0M	PCB	10	0.0	TTL	4	50	0.0	10	80n	20n	20n			-55	95	8		CB☑
103♦#	M001T1	3,4		MOS	-9.0%	-3.0*	CMS			27	0.0				20mt		0	70	1	G03298	TO73
104	N1010A	3,4	65M		-.85	-1.8	ECT	2	25	5.2	0.0	4.5n			115m	400m	0	75			TO116
105	N1011A	3,4	65M		-.85	-1.8	ECT	2	25	5.2	0.0	4.5n			95m	400m	0	75			TO116
106	N1004A	3,4	75M		-.85	-1.8	ECT	4	25	5.2	0.0	4.0n			95m	400m	0	75			TO116
107	N1005A	3,4	75M		-.85	-1.8	ECT	4	25	5.2	0.0	4.0n			65m	400m	0	75			TO116
108	N1006A	3,4	75M		-.85	-1.8	ECT	4	25	5.2	0.0	4.0n			45m	400m	0	75			TO116
109	N1024A	3,4	75M		-.85	-1.8	ECT	2	25	5.2	0.0	4.0n			95m	400m	0	75			TO116
110	HAG20021	3,4S		MOH			DTL	5		0	8				800m		-55	125	1	G03210	TO100

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	HAG20029	3,4S		MOH			DTL	5		0	8				800m		0	70	1	G03210	TO100
2	HBG20021	3,4S		MOH			DTL	5		0	8				800m		-55	125	1	G03210	FP26
3	HBG20029	3,4S		MOH			DTL	5		0	8				800m		0	70	1	G03210	FP26
4♦	HAG20019	3,4S		MOH	2.0%	.45*	DTL	5		0	8				800m		0	70	1	G03210	TO100
5♦	HBG20019	3,4S		MOH	2.0%	.45*	DTL	5		0	8				800m		0	70	1	G03210	FP26
6♦	HAG20011	3,4S		MOH	2.2%	.45*	DTL	5		0	8				800m		-55	125	1	G03210	TO100
7♦	HBG20011	3,4S		MOH	2.2%	.45*	DTL	5		0	8				800m		-55	125	1	G03210	FP26
8	MC981G	3E		MON	.75%	.45*	RTL	2	30	0	4	57n			32m†		-55	125	2	G03184	TO99
9	MC998F	3E		MON	.75%	.45*	RTL	2	30	0	4	57n			32m†		-55	125	2	G03185	TO86
10	MC881G	3E		MON	.80%	.46*	RTL	2	30	0	4	57n			46m†		0	75	2	G03184	TO99
11	MC898F	3E		MON	.80%	.46*	RTL	2	30	0	4	57n			46m†		0	75	2	G03185	TO86
12	MC898P	3E		MON	.80%	.46*	RTL	2	30	0.0	3.6	57n%			46m†		0	75	2	G03185a	TO116
13	MC988F	3E		MON	.82%	.57*	RTL	3	25	0.0	3.0	24n%			128m†		-55	125	2	G03186	TO86
14	MC888F	3E		MON	.84%	.55*	RTL	3	25	0.0	3.0	24n%			128m†		0	100	2	G03186	TO86
15	MC798P	3E		MON	.85%	.46*	RTL	2	30	0.0	3.6	57n%			46m†		15	55	2	G03185a	TO116
16	MC888P	3E		MON	.85%	.46*	RTL	3	25	0.0	3.6	24n%			145m†		0	75	2	G03186a	TO116
17	MC788P	3E		MON	.88%	.50*	RTL	3	80	0.0	3.6	24n%			145m†		15	55	2	G03186a	TO116
18	MC788F	3E		MON	.90	.10	RTL	3	80	0.0	3.6	24n%			145m†		15	55	2	G03186	TO86
19	MC798F	3E		MON	.90	.10	RTL	2	30	0.0	3.6	57n%			46m†		15	55	2	G03185a	TO86
20	MC781G	3E		MON	1.1	.10	RTL	2	30	0	4	57n			46m†		15	55	2	G03184	TO99
21	TG50F	3FM	20M	MON	3.0	.30	TTL	9Δ	15	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G03107e	FP21c
22	TG50J	3FM	20M	MON	3.0	.30	TTL	9Δ	15	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G03107e	TO116
23	TG51F	3FM	20M	MON	3.0	.30	TTL	9Δ	7	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G03107e	FP21c
24	TG51J	3FM	20M	MON	3.0	.30	TTL	9Δ	7	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G03107e	TO116
25	TG52F	3FM	20M	MON	3.0	.30	TTL	9Δ	15	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	-55	125	1	G03107e	FP21c
26	TG52J	3FM	20M	MON	3.0	.30	TTL	9Δ	15	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	-55	125	1	G03107e	TO116
27	TG53F	3FM	20M	MON	3.0	.30	TTL	9Δ	7	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G03107e	FP21c
28	TG53J	3FM	20M	MON	3.0	.30	TTL	9Δ	7	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G03107e	TO116
29	TG100F	3FM	20M	MON	3.0	.30	TTL	10Δ	15	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	-55	125	1	G03107d	FP21c
30	TG100J	3FM	20M	MON	3.0	.30	TTL	10Δ	15	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	-55	125	1	G03107d	TO116
31	TG101F	3FM	20M	MON	3.0	.30	TTL	10Δ	7	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	-55	125	1	G03107d	FP21c
32	TG101J	3FM	20M	MON	3.0	.30	TTL	10Δ	7	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	-55	125	1	G03107d	TO116
33	TG102F	3FM	20M	MON	3.0	.30	TTL	10Δ	15	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	FP21c
34	TG102J	3FM	20M	MON	3.0	.30	TTL	10Δ	15	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	TO116
35	TG103F	3FM	20M	MON	3.0	.30	TTL	10Δ	7	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	FP21c
36	TG103J	3FM	20M	MON	3.0	.30	TTL	10Δ	7	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	TO116
37	TG300F	3FM	20M	MON	3.0	.30	TTL	10Δ	15	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	-55	125	1	G03107d	FP21c
38	TG300J	3FM	20M	MON	3.0	.30	TTL	10Δ	15	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	-55	125	1	G03107d	TO116
39	TG301F	3FM	20M	MON	3.0	.30	TTL	10Δ	7	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	-55	125	1	G03107d	FP21c
40	TG301J	3FM	20M	MON	3.0	.30	TTL	10Δ	7	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	TO116
41	TG302F	3FM	20M	MON	3.0	.30	TTL	10Δ	15	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	FP21c
42	TG302J	3FM	20M	MON	3.0	.30	TTL	10Δ	15	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	TO116
43	TG303F	3FM	20M	MON	3.0	.30	TTL	10Δ	7	0.0	5.0	10n	5.0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	FP21c
44	TG303J	3FM	20M	MON	3.0	.30	TTL	10Δ	7	0.0	5.0	10n	5.0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	TO116
45	CM4000AD	3G		MOS	10	0.0†		3		0.0	10	45nΔ			200m	4.5 Δ	-55	125	2	G03281	M105av
46	CM4000AE	3G		MOS	10	0.0†		3		0.0	10	65nΔ			200m	4.5 Δ	-40	85	2	G03281	M105av
47	CM4001AD	3G		MOS	10	0.0†		2		0.0	10	45nΔ			200m	4.5 Δ	-55	125	4	G03282	M105av
48	CM4001AE	3G		MOS	10	0.0†		2		0.0	10	65nΔ			200m	4.5 Δ	-40	85	4	G03282	M105av
49	CM4002AD	3G		MOS	10	0.0†		4		0.0	10	45nΔ			200m	4.5 Δ	-55	125	2	G03283	M105av
50	CM4002AE	3G		MOS	10	0.0†		4		0.0	10	65nΔ			200m	4.5 Δ	-40	85	2	G03283	M105av
51	CM4025AD	3G		MOS	10	0.0†		3		0.0	10	45nΔ			200m	4.5 Δ	-55	125	3	G03266	M105av
52	CM4025AE	3G		MOS	10	0.0†		3		0.0	10	65nΔ			200m	4.5 Δ	-40	85	3	G03266	M105av
53	DM10102J	3G		MON	-.96%	-1.6t*	ECT	2		5.2	0.0	2.9nΔ	3.3n	3.3n	100m†		-30	85	4	G03277	M200r
54	DM10111J	3G		MON	-.96%	-1.6t*	ECT	3		5.2	0.0	3.5nΔ	3.5n	3.5n	197m%		-30	85	2	G03263	M200r
55	HEP581-RT	3G					RTL	4	4	0.0	4.0	60n			8.0m				1		TO99
56	SN17911L	3G		MON	Δ		RTL	4	7	0	8				4m†		-55	125	1	G03154	CN13
57	4113Δ	3M	1.0M	PCB	0.0	-3.0	DTL	2	9	15	10		130n	70n	1.3	500m	-20	55	6		CB☑
58	B113	3M	10M	PCB	0.0	-3.0	DTL	2	20	15	10		60n	40n	652m	800m	-20	65	4	G0345	CB31
59	B115	3M	10M	PCB	0.0	-3.0	DTL	3	20	15	10		60n	40n	635m	800m	-20	65	3	G0346	CB31
60	B117	3M	10M	PCB	0.0	-3.0	DTL	6	16	15	10		60n	40n	378m	800m	-20	65	2	G0338	CB31
61	B124	3M	10M		0.0	-3.0	DTL	3		15	10				40m	1.0	-20	65	3	G03139	CB31
62#	ZSS51A	3M		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	9.0n			19m	1.0	-55	125	1		CN2
63#	ZSS51B	3M		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	9.0n			19m	1.0	-55	125	1		CN2
64#	ZSS53A	3M		MON	.20	4.0	DTL	2	8	0.0	5.0	9.0n			19m	1.0	-55	125	2	G03121	CN2
65#	ZSS53B	3M		MON	.20	4.0	DTL	2	8	0.0	5.0	9.0n			19m	1.0	-55	125	2	G03121a	CN2
66#	ZSS55A	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	9.0n			19m	1.0	-55	125	1	G03121d	CN2
67#	ZSS55B	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	9.0n			19m	1.0	-55	125	1	G03121c	CN2
68#	ZSS56B	3M		MON	.20	4.0	DTL	4	8	0.0	5.0	9.0n			19m	1.0	-55	125	1	G03126	CN2
69#	ZSS57B	3M		MON	.20	4.0	DTL	4	8	0.0	5.0	9.0n			19m	1.0	-55	125	1	G03124	CN2
70#	ZSS81A	3M		MON	.20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	0	70		G03121b	CN2
71#	ZSS81B	3M		MON	.20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	0	70		G03121c	CN2
72#	ZSS83A	3M		MON	.20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	0	70		G03121	CN2
73#	ZSS83B	3M		MON	.20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	0	70		G03121a	CN2
74#	ZSS85A	3M		MON	.20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	0	70		G03121d	CN2
75#	ZSS85B	3M		MON	.20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	0	70		G03121e	CN2
76#	ZSS86B	3M		MON	.20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	0	70		G03126	CN2
77#	ZSS87B	3M		MON	.20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	0	70		G03122	CN2
78#	ZSS111A	3M		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	-55	125	1	G03121b	CN2
79#	ZSS111B	3M		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	-55	125	1	G03121c	CN2
80#	ZSS113A	3M		MON	.20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	-55	125	2	G03121	CN2
81#	ZSS113B	3M		MON	.20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	-55	125	2	G03121a	CN2
82#	ZSS115A	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	1	G03121d	CN2
83#	ZSS115B	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	1	G03121e	CN2
84#	ZSS116B	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	1	G03126	CN2
85#	ZSS117B	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	1	G03122	CN2
86#	ZSS131A	3M		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	0	70	1	G03121b	CN2
87#	ZSS131B	3M		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	0	70	1	G03121c	CN2
88#	ZSS133A	3M		MON	.20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	0	70	2	G03121	CN2
89#	ZSS133B	3M		MON	.20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	0	70	2	G03121a	CN2
90#	ZSS135A	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	0	70	1	G03121d	CN2
91#	ZSS135B	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	0	70	1	G03121e	CN2
92#	ZSS136B	3M		MON	.20	4.0	DTL	4	8	0.0	5.0	15n			19m	1.0	0	70	1	G03126	CN2
93#	ZSS137B	3M		MON	.20	4.0	DTL	4	8	0.0	5.0	15n			19m	1.0	0	70	1	G03122	CN2
94#	ZST51A	3M		MON	.20	4.0	DTL	5	25	0.0	5.0	9.0n			19m	1.0	-55	125	1		CN2
95#	ZST52A	3M		MON	.20	4.0	DTL	2	25	0.0	5.0	9.0n			19m	1.0	-55	125	2		CN2
96#	ZST52B	3M		MON	.20	4.0	DTL	2	25	0.0	5.0	9.0n			19m	1.0	-55	125	2		CN2
97#	ZST53A	3M		MON	.20	4.0	DTL	2	25	0.0	5.0	9.0n			19m	1.0	-55	125	2		CN2
98#	ZST53B	3M		MON	.20	4.0	DTL	2	25	0.0	5.0	9.0n			19m	1.0	-55	125	2		CN2
99#	ZST54A	3M		MON	.20	4.0	DTL	5Δ	25	0.0	5.0	9.0n			19m	1.0	-55	125	1		CN2
100#	ZST81A	3M		MON	.20	4.0	DTL		25	0.0	5.0	9.0n			19m	1.0	0	70			CN2
101#	ZST82A	3M		MON	.20	4.0	DTL		25	0.0	5.0	9.0n			19m	1.0	0	70			CN2
102#	ZST82B	3M		MON	.20	4.0	DTL		25	0.0	5.0	9.0n			19m	1.0	0	70			CN2
103#	ZST83A	3M		MON	.20	4.0	DTL		25	0.0	5.0	9.0n			19m	1.0	0	70			CN2
104#	ZST83B	3M		MON	.20	4.0	DTL		25	0.0	5.0	9.0n			19m	1.0	0	70			CN2
105#	ZST84A	3M		MON	.20	4.0	DTL		25	0.0	5.0	9.0n			19m	1.0	0	70			CN2
106#	ZST111A	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	1		CN2
107#	ZST113A	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	2		CN2
108#	ZST113B	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	2		CN2
109#	ZST114A	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	1		CN2
110#	ZST131A	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	0	70	1		CN2

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	ZST133A	3M		MON	.20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	0	70	2		CN2
2#	ZST133B	3M		MON	.20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	0	70	2		CN2
3#	ZST134A	3M		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	0	70	1		CN2
4#	FCH101	3M		MON	2.3%	.80*	DTL	10Δ	8	0	6	31n	70n	85n	7.0m	1.2 Δ	0	75	1	G03180	TO116
5#	FCH111	3M		MON	2.3%	.80*	DTL	10Δ	8	0	6	31n	70n	85n	11m	1.2 Δ	0	75	1	G03180a	TO116
6#	FCH121	3M		MON	2.3%	.80*	DTL	5Δ	8	0	6	31n	70n	85n	14m	1.2 Δ	0	75	2	G03180b	TO116
7#	FCH131	3M		MON	2.3%	.80*	DTL	5Δ	8	0	6	31n	70n	85n	22m	1.2 Δ	0	75	2	G03180c	TO116
8#	FCH141	3M		MON	2.3%	.80*	DTL	3Δ	8	0	6	31n	70n	85n	21m	1.2 Δ	0	75	3	G03180d	TO116
9#	FCH151	3M		MON	2.3%	.80*	DTL	3	8	0	6	31n	70n	85n	21m	1.2 Δ	0	75	3	G03180f	TO116
10#	FCH161	3M		MON	2.3%	.80*	DTL	3Δ	8	0	6	31n	70n	85n	33m	1.2 Δ	0	75	3	G03180e	TO116
11#	FCH171	3M		MON	2.3%	.80*	DTL	3	8	0	6	31n	70n	85n	33m	1.2 Δ	0	75	3	G03180g	TO116
12#	FCH181	3M		MON	2.3%	.80*	DTL	2	8	0	6	31n	70n	85n	28m	1.2 Δ	0	75	4	G03180h	TO116
13#	FCH191	3M		MON	2.3%	.80*	DTL	2	8	0	6	31n	70n	85n	44m	1.2 Δ	0	75	4	G03180j	TO116
14#	FCH221	3M		MON	2.3%	.80*	DTL	3	16	0	6	93n	105n	80n	22m	1.2 Δ	0	75	2	G03181	TO116
15	B171	3M	10M	PCB	-3.0	0.0	DTL	12	16	15	10		60n	40n	468m	800m	-20	65	1	G0337	CB31
16	MC309F	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	6.0n	9.0n	14n	68m	400m	-55	125	2	G03151	TO91
17	MC309G	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	6.0n	9.0n	14n	68m	400m	-55	125	2	G03151	CN9
18	MC310F	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	6.0n	9.0n	14n	68m	400m	-55	125	2	G0385	TO91
19	MC310G	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	6.0n	9.0n	14n	68m	400m	-55	125	2	G0385	CN9
20	MC311F	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	6.0n	9.0n	14n	53m	400m	-55	125	2	G0386	TO91
21	MC311G	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	6.0n	9.0n	14n	53m	400m	-55	125	2	G0386	CN9
22	MC312F	3M	40M	MON	-.75	-1.6	ECT	3	25	5.2	0.0	6.5n	12n	11n	68m	400m	-55	125	2	G0384	TO86
23	MC312G	3M	40M	MON	-.75	-1.6	ECT	3	25	5.2	0.0	6.5n	12n	11n	68m	400m	-55	125	2	G0384	CN42
24	MC369F	3M	80M	MON	-.75	-1.6	ECT	4	25	5.2	0	3.0n	4.0n	4.0n	250m		0	75	2		TO86
25	MC369G	3M	80M	MON	-.75	-1.6	ECT	2	25	5.2	0	3.0n	4.0n	4.0n	250m		0	75	2		CN9
26	9903HC	3M		MON			RTL	3	16	0.0	3.6	15n			20m	250m	0	70	1	G0382	TO99
27	9907HC	3M		MON			RTL	4	16	0.0	3.6	15n			20m	250m	0	70	1	G0380	TO99
28	9910HC	3M		MON			RTL	2	4	0.0	3.6	15n			40m	250m	0	70	2	G0359	TO99
29	9914EC	3M		MON			RTL	2	16	0.0	3.6	15n				300m	15	55	2	G03153	CN34
30	9914HC	3M		MON			RTL	2	16	0.0	3.6	15n				300m	0	70	2	G03153	TO99
31	MC910F	3M		MON	.75%	.45*	RTL	2	4	0	4	27n			8.0mt		-55	125	2	G0391	TO91
32	MC910G	3M		MON	.75%	.45*	RTL	2	4	0	4	27n			8.0mt		-55	125	2	G0391	TO99
33	MC928F	3M		MON	.75%	.45*	RTL	5	4	0	4	27n			6.5mt		-55	125	1	G03187	TO91
34	MC928G	3M		MON	.75%	.45*	RTL	5	4	0	4	27n			6.5mt		-55	125	1	G03187	TO99
35	MC810F	3M		MON	.80%	.46*	RTL	2	4	0	4	27n			10mt		0	75	2	G0391	TO91
36	MC810G	3M		MON	.80%	.46*	RTL	2	4	0	4	27n			10mt		0	75	2	G0391	TO99
37	MC828F	3M		MON	.80%	.46*	RTL	5	4	0	4	27n			7.5mt		0	75	1	G03187	TO91
38	MC828G	3M		MON	.80%	.46*	RTL	5	4	0	4	27n			7.5mt		0	75	1	G03187	TO99
39	MC903F	3M		MON	.82%	.57*	RTL	3	5	0	4	12n			19mt		-55	125	1	G0389	TO91
40	MC903G	3M		MON	.82%	.57*	RTL	3	5	0	4	12n			19mt		-55	125	1	G0389	TO99
41	MC907F	3M		MON	.82%	.57*	RTL	4	5	0	4	12n			19mt		-55	125	1	G0390	TO91
42	MC907G	3M		MON	.82%	.57*	RTL	4	5	0	4	12n			19mt		-55	125	1	G0390	TO99
43	MC914F	3M		MON	.82%	.57*	RTL	2	5	0	4	12n			38mt		-55	125	2	G0391a	TO91
44	MC914G	3M		MON	.82%	.57*	RTL	2	5	0	4	12n			38mt		-55	125	2	G0391	TO99
45	MC915F	3M		MON	.82%	.57*	RTL	3	5	0	4	12n			38mt		-55	125	2	G0392c	TO91
46	MC915G	3M		MON	.82%	.57*	RTL	3	5	0	4	12n			38mt		-55	125	2	G0392c	TO100
47♦	MC929F	3M		MON	.82%	.57*	RTL	5	5	0	4	12n			19mt		-55	125	1	G03187	TO91
48♦	MC929G	3M		MON	.82%	.57*	RTL	5	5	0	4	12n			19mt		-55	125	1	G03187	TO99
49	MC803F	3M		MON	.84%	.55*	RTL	3	5	0	4	12n			19mt		0	100	1	G0389	TO91
50	MC803G	3M		MON	.84%	.55*	RTL	3	5	0	4	12n			19mt		0	100	1	G0389	TO99
51	MC807F	3M		MON	.84%	.55*	RTL	4	5	0	4	12n			19mt		0	100	1	G0390	TO91
52	MC807G	3M		MON	.84%	.55*	RTL	4	5	0	4	12n			19mt		0	100	4	G0390	TO99
53	MC814F	3M		MON	.84%	.55*	RTL	2	5	0	4	12n			38mt		0	100	2	G0391a	TO91
54	MC814G	3M		MON	.84%	.55*	RTL	2	5	0	4	12n			38mt		0	100	2	G0391	TO99
55	MC815F	3M		MON	.84%	.55*	RTL	3	5	0	4	12n			38mt		0	100	2	G0392c	TO91
56	MC815G	3M		MON	.84%	.55*	RTL	3	5	0	4	12n			38mt		0	100	2	G0392c	TO100
57♦	MC829F	3M		MON	.84%	.55*	RTL	5	5	0	4	12n			19mt		0	100	1	G03187	TO91
58♦	MC829G	3M		MON	.84%	.55*	RTL	5	5	0	4	12n			19mt		0	100	1	G03187	TO99
59	MC710F	3M		MON	.90	.10	RTL	2	4	0	4	27n			20mt		15	55	2	G0391	TO91
60	MC710G	3M		MON	.90	.10	RTL	2	4	0	4	27n			20mt		15	55	2	G0391	TO99
61	MC729F	3M		MON	.90	.10	RTL	5	16	0	4	12n			33mt		15	55	1	G03187	TO91
62	MC729G	3M		MON	.90	.10	RTL	5	16	0	4	12n			33mt		15	55	1	G03187	TO99
63#	SP322B	3M		MON	1.0	.22	RTL	4	10	0	8	12n			30m	320m	0	70	2	G03153a	TO78
64	MC703F	3M		MON	1.1	.10	RTL	3	16	0	4	12n			28mt		15	55	1	G0389	TO91
65	MC703G	3M		MON	1.1	.10	RTL	3	16	0	4	12n			28mt		15	55	1	G0389	TO99
66	MC707F	3M		MON	1.1	.10	RTL	4	16	0	4	12n			30mt		15	55	1	G0390	TO91
67	MC707G	3M		MON	1.1	.10	RTL	4	16	0	4	12n			30mt		15	55	1	G0390	TO99
68	MC714F	3M		MON	1.1	.10	RTL	2	16	0	4	12n			100mt		15	55	2	G0391a	TO91
69	MC714G	3M		MON	1.1	.10	RTL	2	16	0	4	12n			100mt		15	55	2	G0391	TO99
70	MC715F	3M		MON	1.1	.10	RTL	3	16	0	4	12n			110mt		15	55	2	G0392	TO91
71	MC715G	3M		MON	1.1	.10	RTL	3	16	0	4	12n			110mt		15	55	2	G0392	TO100
72	MC724F	3M		MON	1.1	.10	RTL	2	16	0	4	12n			400mt		15	55	4	G03153a	TO86
73	MC725F	3M		MON	1.1	.10	RTL	4	16	0	4	12n			120mt		15	55	2	G0390a	TO86
74	4112Δ	3M	1.0M	PCB	-3.0	0.0	RTL	2	9	15	10		70n	600n	937m	500m	-20	55	6		CBØ
75	4114Δ	3M	1.0M	PCB	-3.0	0.0	RTL	4†	9	15	10		70n	600n	940m	500m	-20	55	4		CBØ
76	NC74L51N	3M		MON	2.0%	.70*	TTL	6†	10	0.0	5.0	90nΔ			2.5mt	1.0 Δ	0	70	2	G03175b	TO116
77	NC74L54N	3M		MON	2.0%	.70*	TTL	10	10	0.0	5.0	90nΔ			4.5mt	1.0 Δ	0	70	1	G03175a	TO116
78	NC74L55N	3M		MON	2.0%	.70*	TTL	8	10	0.0	5.0	90nΔ			2.5mt	1.0 Δ	0	70	1	G03175c	TO116
79	MC911F	3MS		MON	.75%	.45*	RTL	4	7	0	4	60n			6.0mt		-55	125	1	G0358	TO91
80	MC911G	3MS		MON	.75%	.45*	RTL	4	7	0	4	60n			6.0mt		-55	125	1	G0358	TO99
81	MC811F	3MS		MON	.80%	.46*	RTL	4	7	0	4	60n			8.0mt		0	70	1	G0358	TO91
82	MC811G	3MS		MON	.80%	.46*	RTL	4	7	0	4	60n			8.0mt		0	70	1	G0358	TO99
83	MC711F	3MS		MON	.90	.10	RTL	4	7	0	4	60n			8mt		15	55	1	G0358	TO91
84	MC711G	3MS		MON	.90	.10	RTL	4	7	0	4	60n			8mt		15	55	1	G0358	TO99
85	9911HC	3S		MON			RTL	4	7	0.0	3.6	15n			20m	250m	0	70	1	G0358	TO99
86	9915HC	3S		MON			RTL	3	16	0.0	3.6	15n			40m	250m	0	70	2	G0377	TO100
87♦	MBD8	4	2.0M	PCB	3.0%	.40*		3	8	0.0	5.0	25n			600m	1.0	0	70	8	G04326a	
88▼	TMNG4	4	20M	PCB	3.3	.22		8	10	0.0	5.0	18n			60m	1.0	0	70	4		CB53
89▼	TMNG6	4	20M	PCB	3.3	.22		4	10	0.0	5.0	18n			90m		0	70	6		CB53
90▼	TMNG9	4	20M	PCB	3.3	.22		3	10	0.0	5.0	18n			135m		0	70	9		CB53
91▼	TMNG10	4	20M	PCB	3.3	.22		3	10	0.0	5.0	18n			150m	1.0	0	70	10		CB53
92▼	TMNG12	4	20M	PCB	3.3	.22		2	10	0.0	5.0	18n			180m	1.0	0	70	12		CB53
93▼	TMPG6	4	20M	PCB	3.3	.22		4	30	0.0	5.0	18n			260m	1.0	0	70	6		CB53
94#	FZH171	4	500k%	MON	7.5%	4.5*		4	10	0.0	12	175nt	340nt	120nt	62m§	5.0 Δ	0	70	2	G04429a	M117r
95#	FZH175	4	500k%	MON	7.5%	4.5*		4	10	0.0	12	175nt	340nt	120nt	62m§	5.0 Δ	-25	85	2	G04429a	M117r
96♦#	FZH211	4	500k%	MON	7.5%	4.5*		3†	10	0.0	12	125nt	230nt	120nt	81m§	5.0 Δ	0	70	4	G04448	M117aa
97♦#	FZH215	4	500k%	MON	7.5%	4.5*		3†	10	0.0	12	125nt	230nt	120nt	81m§	5.0 Δ	-25	85	4	G04448	M117aa
98♦#	FZH231	4	500k%	MON	7.5%	4.5*		6Δ	10	0.0	12	125nt	230nt	120nt	40m§	5.0 Δ	0	70	2	G04449	M117aa
99♦#	FZH235	4	500k%	MON	7.5%	4.5*		6Δ	10	0.0	12	125nt	230nt	120nt	40m§	5.0 Δ	-25	85	2	G04449	M117aa
100	SS4011AE	4			9.8%	.20*†		2		0.0	10	100nΔ				4.5 Δ	-30	85	4	G04478	
101	SS4012AE	4			9.8%	.20*†		4		0.0	10	100nΔ				4.5 Δ	-30	85	2	G04479	
102	SS4023AE	4			9.8%	.20*†		3		0.0	10	100nΔ				4.5 Δ	-30	85	3	G04480	
103	UL52L	4		MOS	-3.5%	-9.0*		2		27	0.0	125n			40mt		0	70	4	G04375	M183a
104	UL52C	4		MOS	-9.0%	-3.5*		2		15	0.0	350n			635m		-25	75	4	G04445	FP81
105	CM4011AD	4		MOS	10	0.0†		2		0.0	10	40nΔ			200m	4.5 Δ	-55	125	4	G04403	M105av
106	CM4011AE	4		MOS	10	0.0†		2		0.0	10	50nΔ			200m	4.5 Δ	-40	85	4	G04403	M105av
107	CM4012AD	4		MOS	10	0.0†		4		0.0	10	75nΔ			200m	4.5 Δ	-55	125	2	G04404	M105av
108	CM4012AE	4		MOS	10	0.0†		4		0.0	10	100n			200m	4.5 Δ	-40	85	2	G04404	M105av
109	CM4023AD	4		MOS	10	0.0†		3		0.0	10	40nΔ			200m	4.5 Δ	-55	125	3	G04397a	M105av
110	CM4023AE	4		MOS	10	0.0†		3		0.0	10	50nΔ			200m	4.5 Δ	-40	85	3	G04397a	M105av

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MM54C00D	4		MOS	3.5%	1.5*	CMS	2	2	0.0	5.0	50n			500m	450mΔ	-55	125	4	G04478	M297a
2	MM54C10D	4		MOS	3.5%	1.5*	CMS	3	2	0.0	5.0	60n			500m	450mΔ	-55	125	3	G04470	M297a
3	MM54C20D	4		MOS	3.5%	1.5*	CMS	4	2	0.0	5.0	70n			500m	450mΔ	-55	125	2	G04471	M297a
4	MM54C30D	4		MOS	3.5%	1.5*	CMS	8	2	0.0	5.0	125n			500m	450mΔ	-55	125	1	G04483	M297a
5	MM74C00N	4		MOS	3.5%	1.5*	CMS	2	2	0.0	5.0	50n			500m	450mΔ	0	70	4	G04478	M344
6	MM74C10N	4		MOS	3.5%	1.5*	CMS	3	2	0.0	5.0	60n			500m	450mΔ	0	70	3	G04470	M344
7	MM74C20N	4		MOS	3.5%	1.5*	CMS	4	2	0.0	5.0	70n			500m	450mΔ	0	70	2	G04471	M344
8	MM74C30N	4		MOS	3.5%	1.5*	CMS	8	2	0.0	5.0	125n			500m	450mΔ	0	70	1	G04483	M344
9▼#	MSM500	4		MOS	3.6%	.80*	CMS	2	15	0.0	5.0	300nΔ			25u§		-20	70	4	G04453a	M318a
10▼#	MSM502	4		MOS	3.6%	.80*	CMS	4	15	0.0	5.0	300nΔ			25u§		-20	70	2	G04485	M318a
11♦	JANM38510/05001ACA	4		MON	3.95%	.85*	CMS	2	7	0.0	5.0	430nΔ			200m		-55	125	4	G04403	M392
12♦	JANM38510/05001ADA	4		MON	3.95%	.85*	CMS	2	7	0.0	5.0	430nΔ			200m		-55	125	4	G04403	FP116
13♦	JANM38510/05001BCA	4		MON	3.95%	.85*	CMS	2	7	0.0	5.0	430nΔ			200m		-55	125	4	G04403	M392
14♦	JANM38510/05001BDA	4		MON	3.95%	.85*	CMS	2	7	0.0	5.0	430nΔ			200m		-55	125	4	G04403	FP116
15♦	JANM38510/05001CCA	4		MON	3.95%	.85*	CMS	2	7	0.0	5.0	430nΔ			200m		-55	125	4	G04403	M392
16♦	JANM38510/05001CDA	4		MON	3.95%	.85*	CMS	2	7	0.0	5.0	430nΔ			200m		-55	125	4	G04403	FP116
17♦	JANM38510/05002ACA	4		MON	3.95%	.85*	CMS	4	7	0.0	5.0	610nΔ			200m		-55	125	2	G04404	M392
18♦	JANM38510/05002ADA	4		MON	3.95%	.85*	CMS	4	7	0.0	5.0	610nΔ			200m		-55	125	2	G04404	FP116
19♦	JANM38510/05002BCA	4		MON	3.95%	.85*	CMS	4	7	0.0	5.0	610nΔ			200m		-55	125	2	G04404	M392
20♦	JANM38510/05002BDA	4		MON	3.95%	.85*	CMS	4	7	0.0	5.0	610nΔ			200m		-55	125	2	G04404	FP116
21♦	JANM38510/05002CCA	4		MON	3.95%	.85*	CMS	4	7	0.0	5.0	610nΔ			200m		-55	125	2	G04404	M392
22♦	JANM38510/05002CDA	4		MON	3.95%	.85*	CMS	4	7	0.0	5.0	610nΔ			200m		-55	125	2	G04404	FP116
23♦	JANM38510/05003ACA	4		MON	3.95%	.85*	CMS	3	7	0.0	5.0	430nΔ			200m		-55	125	3	G04397a	M392
24♦	JANM38510/05003ADA	4		MON	3.95%	.85*	CMS	3	7	0.0	5.0	430nΔ			200m		-55	125	3	G04397a	FP116
25♦	JANM38510/05003BCA	4		MON	3.95%	.85*	CMS	3	7	0.0	5.0	430nΔ			200m		-55	125	3	G04397a	M392
26♦	JANM38510/05003BDA	4		MON	3.95%	.85*	CMS	3	7	0.0	5.0	430nΔ			200m		-55	125	3	G04397a	FP116
27♦	JANM38510/05003CCA	4		MON	3.95%	.85*	CMS	3	7	0.0	5.0	430nΔ			200m		-55	125	3	G04397a	M392
28♦	JANM38510/05003CDA	4		MON	3.95%	.85*	CMS	3	7	0.0	5.0	430nΔ			200m		-55	125	3	G04397a	FP116
29	MM4611AD	4		MOS	4.99%	.01*†	CMS	2		0.0	5.0	50n			500m	450m	-55	125	4	G04453	M297a
30	MM4611AF	4		MOS	4.99%	.01*†	CMS	2		0.0	5.0	50n			500m	450mΔ	-55	125	4	G04453	FP97b
31	MM4612AD	4		MOS	4.99%	.01*†	CMS	4		0.0	5.0	50n			500m	450m	-55	125	2	G04454	M297a
32	MM4612AF	4		MOS	4.99%	.01*†	CMS	4		0.0	5.0	50n			500m	450mΔ	-55	125	2	G04454	FP97b
33	MM4623AD	4		MOS	4.99%	.01*†	CMS	3		0.0	5.0	50n			500m	450m	-55	125	3	G04455	M297a
34	MM4623AF	4		MOS	4.99%	.01*†	CMS	3		0.0	5.0	50n			500m	450mΔ	-55	125	3	G04455	FP97b
35	MM5611AN	4		MOS	4.99%	.01*†	CMS	2		0.0	5.0	50n			500m	450m	-40	85	4	G04453	M344
36	MM5612AN	4		MOS	4.99%	.01*†	CMS	4		0.0	5.0	50n			500m	450m	-40	85	2	G04454	M344
37	MM5623AN	4		MOS	4.99%	.01*†	CMS	3		0.0	5.0	50n			500m	450m	-40	85	3	G04455	M344
38	SW4011A	4		MOS	5.0	0.0	CMS	2	50	0.0	5.0	50n			200m		-40	85	4	G043ax	M313a
39	SW4012A	4		MOS	5.0	0.0	CMS	4	50	0.0	5.0	100n			200m		-40	85	2	G043aw	M313a
40	SW4023A	4		MOS	5.0	0.0	CMS	3	50	0.0	5.0	50n			200m		-40	85	3	G04480	M313a
41	4011A	4		MOS	7.1%	2.9*	CMS	2	2	0.0	10	130nΔ			200mΔ		-40	85	4	G04478	M318
42	4012A	4		MOS	7.1%	2.9*	CMS	4	2	0.0	10	200nΔ			200mΔ		-40	85	2	G04479	M318
43	4023A	4		MOS	7.1%	2.9*	CMS	3	2	0.0	10	110nΔ			200mΔ		-40	85	3	G04480	M318
44▼	TF4011AJ	4		MOS	7.1%	2.9*	CMS	2		0.0	10	100nΔ			60u%		-55	125	4	G04478	M157b
45▼	TF4011AN	4		MOS	7.1%	2.9*	CMS	2		0.0	10	100nΔ			60u%		-55	125	4	G04478	M126e
46▼	TF4012AJ	4		MOS	7.1%	2.9*	CMS	4		0.0	10	150nΔ			60u%		-55	125	2	G04479	M157b
47▼	TF4012AN	4		MOS	7.1%	2.9*	CMS	4		0.0	10	150nΔ			60u%		-55	125	2	G04479	M126e
48▼	TF4023AJ	4		MOS	7.1%	2.9*	CMS	3		0.0	10	80nΔ			60u%		-55	125	3	G04480	M157b
49▼	TF4023AN	4		MOS	7.1%	2.9*	CMS	3		0.0	10	80nΔ			60u%		-55	125	3	G04480	M126e
50▼	TF4311AJ	4		MOS	7.1%	2.9*	CMS	2		0.0	10	170nΔ			60u%		-55	125	4	G04478	M157b
51▼	TF4311AN	4		MOS	7.1%	2.9*	CMS	2		0.0	10	170nΔ			60u%		-55	125	4	G04478	M126e
52▼	TP4011AJ	4		MOS	7.1%	2.9*	CMS	2		0.0	10	130nΔ			300u%		-40	85	4	G04478	M157b
53▼	TP4011AN	4		MOS	7.1%	2.9*	CMS	2		0.0	10	130nΔ			300u%		-40	85	4	G04478	M126e
54▼	TP4012AJ	4		MOS	7.1%	2.9*	CMS	4		0.0	10	200nΔ			300u%		-40	85	2	G04479	M157b
55▼	TP4012AN	4		MOS	7.1%	2.9*	CMS	4		0.0	10	200nΔ			300u%		-40	85	2	G04479	M126e
56▼	TP4023AJ	4		MOS	7.1%	2.9*	CMS	3		0.0	10	110nΔ			300u%		-40	85	3	G04480	M157b
57▼	TP4023AN	4		MOS	7.1%	2.9*	CMS	3		0.0	10	110nΔ			300u%		-40	85	3	G04480	M126e
58▼	TP4311AJ	4		MOS	7.1%	2.9*	CMS	2		0.0	10	230nΔ			300u%		-40	85	4	G04478	M157b
59▼	TP4311AN	4		MOS	7.1%	2.9*	CMS	2		0.0	10	230nΔ			300u%		-40	85	4	G04478	M126e
60	HD1-54C00	4		MOS	8.0%	2.0*	CMS	2		0.0	10	60nΔ	20n	20n†	10n%	4.5 Δ	-55	125	4	G043ad	M126v
61	HD1-54C10	4		MOS	8.0%	2.0*	CMS	3		0.0	10	70nΔ	20n	20n†	10n%	4.5 Δ	-55	125	3	G043b	M126v
62	HD1-54C20	4		MOS	8.0%	2.0*	CMS	4		0.0	10	80nΔ	20n	20n†	10n%	4.5 Δ	-55	125	2	G043s	M126v
63	HD1-54C30	4		MOS	8.0%	2.0*	CMS	8		0.0	10	90nΔ			500m	4.5 Δ	-55	125	1	G043ae	M126v
64	HD1-74C00	4		MOS	8.0%	2.0*	CMS	2		0.0	10	60nΔ	20n	20n†	10n%	4.5 Δ	-40	85	4	G043ad	M126v
65	HD1-74C10	4		MOS	8.0%	2.0*	CMS	3		0.0	10	70nΔ	20n	20n†	10n%	4.5 Δ	-40	85	3	G043b	M126v
66	HD1-74C20	4		MOS	8.0%	2.0*	CMS	4		0.0	10	80nΔ	20n	20n†	10n%	4.5 Δ	-40	85	2	G043s	M126v
67	HD1-74C30	4		MOS	8.0%	2.0*	CMS	8		0.0	10	90nΔ			500m	4.5 Δ	-40	85	1	G043ae	M126v
68	HD9-54C00	4		MOS	8.0%	2.0*	CMS	2		0.0	10	60nΔ	20n	20n†	10n%	4.5 Δ	-55	125	4	G043ad	TO86
69	HD9-54C10	4		MOS	8.0%	2.0*	CMS	3		0.0	10	70nΔ	20n	20n†	10n%	4.5 Δ	-55	125	3	G043b	TO86
70	HD9-54C20	4		MOS	8.0%	2.0*	CMS	4		0.0	10	80nΔ	20n	20n†	10n%	4.5 Δ	-55	125	2	G043s	TO86
71	HD9-54C30	4		MOS	8.0%	2.0*	CMS	8		0.0	10	90nΔ			500m	4.5 Δ	-55	125	1	G043ae	TO86
72	HD9-74C00	4		MOS	8.0%	2.0*	CMS	2		0.0	10	60nΔ	20n	20n†	10n%	4.5 Δ	-40	85	4	G043ad	TO86
73	HD9-74C10	4		MOS	8.0%	2.0*	CMS	3		0.0	10	70nΔ	20n	20n†	10n%	4.5 Δ	-40	85	3	G043b	TO86
74	HD9-74C20	4		MOS	8.0%	2.0*	CMS	4		0.0	10	80nΔ	20n	20n†	10n%	4.5 Δ	-40	85	2	G043s	TO86
75	HD9-74C30	4		MOS	8.0%	2.0*	CMS	8		0.0	10	90nΔ			500m	4.5 Δ	-40	85	1	G043ae	TO86
76	CD4011AF	4		MOS	9.99%	.01*†	CMS	2		0.0	10	40nΔ			1.0u%	4.5 Δ	-55	125	4	G04403	Δ001AB
77	CD4012AF	4		MOS	9.99%	.01*†	CMS	4		0.0	10	75nΔ			1.0u%	4.5 Δ	-55	125	2	G04404	Δ001AB
78	CD4023AF	4		MOS	9.99%	.01*†	CMS	3		0.0	10	40nΔ			1.0u%	4.5 Δ	-55	125	3	G04397a	Δ001AB
79	CD4068BH	4		MOS	9.99%	.01*†	CMS	8		0.0	10	260nΔ			200m	4.5 Δ	-55	125	1	G04472	FC☑
80	HD1-4011A2	4		MOS	9.99%	.01*†	CMS	2		0.0	10	40nΔ	20n	20n†	1.0u%	4.5 Δ	-55	125	4	G04478	M126v
81	HD1-4011A9	4		MOS	9.99%	.01*†	CMS	2		0.0	10	50nΔ	20n	20n†	50u%	4.5 Δ	-40	85	4	G04478	M126v
82	HD1-4012A2	4		MOS	9.99%	.01*†	CMS	4		0.0	10	75nΔ	20n	20n†	1.0u%	4.5 Δ	-55	125	2	G04479	M126v
83	HD1-4012A9	4		MOS	9.99%	.01*†	CMS	4		0.0	10	100nΔ	20n	20n†	50u%	4.5 Δ	-40	85	2	G04479	M126v
84	HD1-4023A2	4		MOS	9.99%	.01*†	CMS			0.0	10	40nΔ	20n	20n†	1.0u%	4.5 Δ	-55	125	3	G04397a	M126v
85	HD1-4023A9	4		MOS	9.99%	.01*†	CMS			0.0	10	50nΔ	20n	20n†	50u%	4.5 Δ	-40	85	3	G04397a	M126v
86	HD9-4011A2	4		MOS	9.99%	.01*†	CMS	2		0.0	10	40nΔ	20n	20n†	1.0u%	4.5 Δ	-55	125	4	G04478	TO86
87	HD9-4011A9	4		MOS	9.99%	.01*†	CMS	2		0.0	10	50nΔ	20n	20n†	50u%	4.5 Δ	-40	85	4	G04478	TO86
88	HD9-4012A2	4		MOS	9.99%	.01*†	CMS	4		0.0	10	75nΔ	20n	20n†	1.0u%	4.5 Δ	-55	125	2	G04479	TO86
89	HD9-4012A9	4		MOS	9.99%	.01*†	CMS	4		0.0	10	100nΔ	20n	20n†	50u%	4.5 Δ	-40	85	2	G04479	TO86
90	HD9-4023A2	4		MOS	9.99%	.01*†	CMS			0.0	10	40nΔ	20n	20n†	1.0u%	4.5 Δ	-55	125	3	G04397a	TO86
91	HD9-4023A9	4		MOS	9.99%	.01*†	CMS			0.0	10	50nΔ	20n	20n†	50u%	4.5 Δ	-40	85	3	G04397a	TO86
92	MC14011AL	4		MOS	9.99%	.01*†	CMS	2	50	0.0	10	50nΔ	75n	75n	1.0u		-55	125	4	G04433	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC14011CL,P%	4		MOS	9.99%	.01*†	CMS	2	50	0.0	10	60nΔ	110n	110n	10u		-40	85	4	G04433	TO116
2	MC14012AL	4		MOS	9.99%	.01*†	CMS	4	50	0.0	10	50nΔ	75n	75n	1.0u		-55	125	2	G04434	TO116
3	MC14012CL,P%	4		MOS	9.99%	.01*†	CMS	4	50	0.0	10	60nΔ	110n	110n	10u		-40	85	2	G04434	TO116
4♦	MC14023AL	4		MOS	9.99%	.01*†	CMS	3	50	0.0	10	50nΔ	75n	75n	1.0u		-55	125	3	G04451	TO116
5♦	MC14023CL,P%	4		MOS	9.99%	.01*†	CMS	3	50	0.0	10	60nΔ	110n	110n	10u		-40	85	3	G04451	TO116
6	SCL4011AC	4		MOS	9.99%	.01*†	CMS	2		0.0	10	45nΔ			1.0u%	4.5	-55	125	4	G04478	M475a
7	SCL4011AD	4		MOS	9.99%	.01*†	CMS	2		0.0	10	45nΔ			1.0u%	4.5	-55	125	4	G04478	M475b
8	SCL4011AE	4		MOS	9.99%	.01*†	CMS	2		0.0	10	45nΔ			1.0u%	4.5	-40	85	4	G04478	M475c
9	SCL4011AF	4		MOS	9.99%	.01*†	CMS	2		0.0	10	45nΔ			1.0u%	4.5	-55	125	4	G04478	FP110
10	SCL4011AH	4		MOS	9.99%	.01*†	CMS	2		0.0	10	45nΔ			1.0u%	4.5	-55	125	4	G04478	FC☑
11	SCL4012AC	4		MOS	9.99%	.01*†	CMS	4		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G04479	M475a
12	SCL4012AD	4		MOS	9.99%	.01*†	CMS	4		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G04479	M475b
13	SCL4012AE	4		MOS	9.99%	.01*†	CMS	4		0.0	10	45nΔ			1.0u%	4.5	-40	85	2	G04479	M475c
14	SCL4012AF	4		MOS	9.99%	.01*†	CMS	4		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G04479	FP110
15	SCL4012AH	4		MOS	9.99%	.01*†	CMS	4		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G04479	FC☑
16	SCL4023AC	4		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-55	125	3	G04480	M475a
17	SCL4023AD	4		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-55	125	3	G04480	M475b
18	SCL4023AE	4		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-40	85	3	G04480	M475c
19	SCL4023AF	4		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-55	125	3	G04480	FP110
20	SCL4023AH	4		MOS	9.99%	.01*†	CMS	3		0.0	10	45nΔ			1.0u%	4.5	-55	125	3	G04480	FC☑
21	SCL4412AC	4		MOS	9.99%	.01*†	CMS	8Δ		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G04456	M475d
22	SCL4412AD	4		MOS	9.99%	.01*†	CMS	8Δ		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G04456	M475e
23	SCL4412AE	4		MOS	9.99%	.01*†	CMS	8Δ		0.0	10	45nΔ			1.0u%	4.5	-40	85	2	G04456	M475f
24	SCL4412AF	4		MOS	9.99%	.01*†	CMS	8Δ		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G04456	FP111
25	SCL4412AH	4		MOS	9.99%	.01*†	CMS	8Δ		0.0	10	45nΔ			1.0u%	4.5	-55	125	2	G04456	FC☑
26♦	CD4011AD	4		MOS	10	0.0†	CMS	2		0.0	10	40nΔ			1.0u%	4.5 Δ	-55	125	4	G04403	Δ001AD
27♦	CD4011AE	4		MOS	10	0.0†	CMS	2		0.0	10	50nΔ			10u%	4.5 Δ	-40	85	4	G04403	Δ001AB
28♦	CD4011AK	4		MOS	10	0.0†	CMS	2		0.0	10	40nΔ			1.0u%	4.5 Δ	-55	125	4	G04403	Δ004AF
29♦	CD4012AD	4		MOS	10	0.0†	CMS	4		0.0	10	75nΔ			1.0u%	4.5 Δ	-55	125	2	G04404	Δ001AD
30♦	CD4012AE	4		MOS	10	0.0†	CMS	4		0.0	10	100nΔ			10u%	4.5 Δ	-40	85	2	G04404	Δ001AB
31♦	CD4012AK	4		MOS	10	0.0†	CMS	4		0.0	10	75nΔ			1.0u%	4.5 Δ	-55	125	2	G04404	Δ004AF
32♦	CD4023AD	4		MOS	10	0.0†	CMS	3		0.0	10	40nΔ			1.0u%	4.5 Δ	-55	125	3	G04397a	Δ001AD
33♦	CD4023AE	4		MOS	10	0.0†	CMS	3		0.0	10	50nΔ			10u%	4.5 Δ	-40	85	3	G04397a	Δ001AB
34♦	CD4023AK	4		MOS	10	0.0†	CMS	3		0.0	10	40nΔ			1.0u%	4.5 Δ	-55	125	3	G04397a	Δ004AF
35	CD4068BD	4		MOS	10	0.0	CMS	8	1	0.0	10	260nΔ			200m	4.5 Δ	-55	125	1	G04472	Δ001AD
36	CD4068BE	4		MOS	10	0.0	CMS	8	1	0.0	10	260nΔ			200m	4.5 Δ	-40	85	1	G04472	Δ001AB
37	CD4068BF	4		MOS	10	0.0	CMS	8	1	0.0	10	260nΔ			200m	4.5 Δ	-55	125	1	G04472	Δ001AB
38	CD4068BK	4		MOS	10	0.0	CMS	8	1	0.0	10	260nΔ			200m	4.5 Δ	-55	125	1	G04472	Δ004AF
39#	HBC4011AD	4		MOS	10	0.0†	CMS	2		0.0	10	40nΔ			1.0u%	4.5 Δ	-55	125	4	G04403	Δ001AD
40#	HBC4011AF	4		MOS	10	0.0†	CMS	2		0.0	10	40nΔ			1.0u%	4.5 Δ	-55	125	4	G04403	Δ001AD
41#	HBC4011AK	4		MOS	10	0.0†	CMS	2		0.0	10	40nΔ			1.0u%	4.5 Δ	-55	125	4	G04403	Δ004AF
42#	HBC4012AD	4		MOS	10	0.0†	CMS	4		0.0	10	75nΔ			1.0u%	4.5 Δ	-55	125	2	G04404	Δ001AD
43#	HBC4012AF	4		MOS	10	0.0†	CMS	4		0.0	10	75nΔ			1.0u%	4.5 Δ	-55	125	2	G04404	Δ001AD
44#	HBC4012AK	4		MOS	10	0.0†	CMS	4		0.0	10	75nΔ			1.0u%	4.5 Δ	-55	125	2	G04404	Δ004AF
45#	HBC4023AD	4		MOS	10	0.0†	CMS	3		0.0	10	40nΔ			1.0u%	4.5 Δ	-55	125	3	G04397a	Δ001AD
46#	HBC4023AF	4		MOS	10	0.0†	CMS	3		0.0	10	40nΔ			1.0u%	4.5 Δ	-55	125	3	G04397a	Δ001AD
47#	HBC4023AK	4		MOS	10	0.0†	CMS	3		0.0	10	40nΔ			1.0u%	4.5 Δ	-55	125	3	G04397a	Δ004AF
48#	HBF4011AE	4		MOS	10	0.0†	CMS	2		0.0	10	50nΔ			50u%	4.5 Δ	-40	85	4	G04403	Δ001AB
49#	HBF4011AF	4		MOS	10	0.0†	CMS	2		0.0	10	50nΔ			50u%	4.5 Δ	-40	85	4	G04403	Δ001AD
50#	HBF4012AE	4		MOS	10	0.0†	CMS	4		0.0	10	100nΔ			50u%	4.5 Δ	-40	85	2	G04404	Δ001AB
51#	HBF4012AF	4		MOS	10	0.0†	CMS	4		0.0	10	100nΔ			50u%	4.5 Δ	-40	85	2	G04404	Δ001AD
52#	HBF4023AE	4		MOS	10	0.0†	CMS	3		0.0	10	50nΔ			50u%	4.5 Δ	-40	85	3	G04397a	Δ001AB
53#	HBF4023AF	4		MOS	10	0.0†	CMS	3		0.0	10	50nΔ			50u%	4.5 Δ	-40	85	3	G04397a	Δ001AD
54▼	CD4011BD	4		MOS	15%	.05*†	CMS	2		0.0	15	75nΔ			200m		-55	125	4	G04403	Δ001AD
55▼	CD4011BE	4		MOS	15%	.05*†	CMS	2		0.0	15	75nΔ			200m		-55	125	4	G04403	Δ001AB
56▼	CD4011BF	4		MOS	15%	.05*†	CMS	2		0.0	15	75nΔ			200m		-55	125	4	G04403	Δ001AB
57▼	CD4011BK	4		MOS	15%	.05*†	CMS	2		0.0	15	75nΔ			200m		-55	125	4	G04403	Δ004AF
58▼	CD4011BY	4		MOS	15%	.05*†	CMS	2		0.0	15	75nΔ			200m		-55	125	4	G04403	Δ001AB
59	HEPC1030P-RT	4					DTL	4	8	0.0	8.0	30n			26m				2		TO116
60	MCE944F	4		MON			DTL	5Δ	27	0.0	5.0				65m†		-55	125	2	G04154d	TO86
61	MCE962F	4		MON			DTL	3	8	0.0	5.0				33m†		-55	125	3	G0492b	TO86
62#	MIC301-1D	4		MON			DTL	6Δ		0.0	12						-55	125	2		M153a
63#	MIC301-1D1	4		MON			DTL	6Δ		0.0	15						-55	125	2		M153a
64#	MIC301-5D	4		MON			DTL	6Δ		0.0	12						-30	85	2		M153a
65#	MIC301-5D1	4		MON			DTL	6Δ		0.0	15						-30	85	2		M153a
66#	MIC302-1D	4		MON			DTL	3Δ		0.0	12						-55	125	4		M153a
67#	MIC302-1D1	4		MON			DTL	3Δ		0.0	15						-55	125	4		M153a
68#	MIC302-5D	4		MON			DTL	3Δ		0.0	12						-30	85	4		M153a
69#	MIC302-5D1	4		MON			DTL	3Δ		0.0	15						-30	85	4		M153a
70#	MIC303-1D	4		MON			DTL	3Δ		0.0	12						-55	125	4		M153a
71#	MIC303-1D1	4		MON			DTL	3Δ		0.0	15						-55	125	4		M153a
72#	MIC303-5D	4		MON			DTL	3Δ		0.0	12						-30	85	4		M153a
73#	MIC303-5D1	4		MON			DTL	3Δ		0.0	15						-30	85	4		M153a
74#	MIC321-1D	4		MON			DTL	3Δ		0.0	12						-55	125	4		M153a
75#	MIC321-1D1	4		MON			DTL	3Δ		0.0	15						-55	125	4		M153a
76#	MIC321-5D	4		MON			DTL	3Δ		0.0	12						-30	85	4		M153a
77#	MIC321-5D1	4		MON			DTL	3Δ		0.0	15						-30	85	4		M153a
78#	MIC322-1D	4		MON			DTL	6Δ		0.0	12						-55	125	2		M153a
79#	MIC322-1D1	4		MON			DTL	6Δ		0.0	15						-55	125	2		M153a
80#	MIC322-5D	4		MON			DTL	6Δ		0.0	12						-30	85	2		M153a
81#	MIC322-5D1	4		MON			DTL	6Δ		0.0	15						-30	85	2		M153a
82#	MIC323-1D	4		MON			DTL	3Δ		0.0	12						-55	125	4		M153a
83#	MIC323-1D1	4		MON			DTL	3Δ		0.0	15						-55	125	4		M153a
84#	MIC323-5D	4		MON			DTL	3Δ		0.0	12						-30	85	4		M153a
85#	MIC323-5D1	4		MON			DTL	3Δ		0.0	15						-30	85	4		M153a
86#	MIC324-1D	4		MON			DTL	3Δ		0.0	12						-55	125	4		M153a
87#	MIC324-1D1	4		MON			DTL	3Δ		0.0	15						-55	125	4		M153a
88#	MIC324-5D	4		MON			DTL	3Δ		0.0	12						-30	85	4		M153a
89#	MIC324-5D1	4		MON			DTL	3Δ		0.0	15						-30	85	4		M153a
90#	MIC325-1D	4		MON			DTL	3†		0.0	12						-55	125	4		M153a
91#	MIC325-1D1	4		MON			DTL	3†		0.0	15						-55	125	4		M153a
92#	MIC325-5D	4		MON			DTL	3†		0.0	12						-30	85	4		M153a
93#	MIC325-5D1	4		MON			DTL	3†		0.0	15						-30	85	4		M153a
94#	MIC326-1D	4		MON			DTL	3†		0.0	12						-55	125	4		M153a
95#	MIC326-1D1	4		MON			DTL	3†		0.0	15						-55	125	4		M153a
96#	MIC326-5D	4		MON			DTL	3†		0.0	12						-30	85	4		M153a
97#	MIC326-5D1	4		MON			DTL	3†		0.0	15						-30	85	4		M153a
98	RG3200D	4		MON			DTL	8	11	0.0	5	6.5n			22m†	1.1	-55	125	1		M105m
99	RG3200K	4		MON			DTL	8	11	0.0	5	6.5n			22m†	1.1	-55	125	1		FP28
100	RG3202D	4		MON			DTL	8	9	0.0	5	6.5n			22m†	1.1	0	75	1		M105m
101	RG3202K	4		MON			DTL	8	9	0.0	5	6.5n			22m†	1.1	0	75	1		FP28
102	SP616A	4		MON			DTL	5Δ	8	0.0	4.5	60n			40m†	2.0	0	75	2	G0489j	M105ae
103	SP670A	4		MON			DTL	3	8	0.0	4.5	60n			60m†	2.0	0	75	3	G0489h	M105ae
104#	SP680AΔ	4		MON			DTL	2	8	0.0	4.5	60n			80m†	2.0	0	75	4	G0489g	M105ae
105	SW744-1P	4		MON			DTL	5Δ		0.0	5.0	30n%			44m†	1.0 Δ	-55	125	2	G0485e	TO116
106	SW744-2M	4		MON			DTL	5Δ		0.0	5.0	30n%			44m†	800mΔ	0	75	2	G0485e	M105n

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SW744-2P	4		MON			DTL	5Δ		0.0	5.0	30n%			44m†	800mΔ	0	75	2	G0485e	TO116
2	N8415A	4		MON		.35*†	DTL	5	9	0	5	150nΔ			23mΔ	1.4	0	75	2	G04325b	TO116
3	N8415F	4		MON		.35†*	DTL	5	9	0.0	5.0	150nΔ			23mΔ	1.4	0	75	2	G04325b	M157
4	N8415J	4		MON		.35*†	DTL	5	9	0	5	150nΔ			23mΔ	1.4	0	75	2	G04325c	TO88
5	N8417A	4		MON		.35*†	DTL	4Δ	9	0	5	150n		75n	23mΔ	1.4	0	75	2	G04325	TO116
6	N8417F	4		MON		.35†*	DTL	4Δ	9	0.0	5.0	150nΔ		75n	23mΔ	1.4	0	75	2	G04325	M157
7	N8417J	4		MON		.35*†	DTL	4Δ	9	0	5	150n		75n	23mΔ	1.4	0	75	2	G04325a	TO88
8	S8415A	4		MON		.35*†	DTL	5	9	0	5	150nΔ			23mΔ	1.4	-55	125	2	G04325b	TO116
9	S8415F	4		MON		.35†*	DTL	5	9	0.0	5.0	150nΔ			23mΔ	1.4	-55	125	2	G04325b	M157
10	S8415J	4		MON		.35*†	DTL	5	9	0	5	150nΔ			23mΔ	1.4	-55	125	2	G04325c	TO88
11	S8417A	4		MON		.35*†	DTL	4Δ	9	0	5	150n		75n	23mΔ	1.4	-55	125	2	G04325	TO116
12	S8417F	4		MON		.35†*	DTL	4Δ	9	0.0	5.0	150nΔ		75n	23mΔ	1.4	-55	125	2	G04325	M157
13	S8417J	4		MON		.35*†	DTL	4Δ	9	0	5	150n		75n	23mΔ	1.4	-55	125	2	G04325a	TO88
14	MC1918F	4		MON		.40*†	DTL	2	8	0.0	5.0	30n			40m		-55	125	4	G0431Of	TO86
15	MC1918L	4		MON		.40*†	DTL	2	8	0.0	5.0	30n			40m		-55	125	4	G0431Of	TO116
16	HEPC1044P-RT	4		MON		.45*†	DTL	4Δ		0.0	5.0	30n			64m		0	75	2	G04154d	TO116
17	HEPC1058P-RT	4		MON		.45*†	DTL	2		0.0	5.0	30n			130m†		0	75	4	G04154e	TO116
18	MC1818F	4		MON		.45*†	DTL	2	8	0.0	5.0	30n			40m		0	75	4	G0431Of	TO86
19	MC1818L,P%	4		MON		.45*†	DTL	2	8	0.0	5.0	30n			40m		0	75	4	G0431Of	TO116
20	R121#	4	10M	PCB	0.0	-3.0	DTL	4†		15	10				40m	1.0	-20	65	4	G04246a	CB31
21#	9930DM	4		MON	1.7%	1.4*	DTL	5Δ	10	0.0	5.0	80nΔ			17m†	1.0 Δ	-55	125	2	G04217	M294
22#	9930FM	4		MON	1.7%	1.4*	DTL	5Δ	10	0.0	5.0	80nΔ			17m†	1.0 Δ	-55	125	2	G04217	FP28g
23#	9932DM	4		MON	1.7%	1.4*	DTL	5Δ	10	0.0	5.0	80nΔ			17m†	1.0 Δ	-55	125	2	G04218	M294
24#	9932FM	4		MON	1.7%	1.4*	DTL	5Δ	10	0.0	5.0	80nΔ			17m†	1.0 Δ	-55	125	2	G04218	FP28g
25#	9944DM	4		MON	1.7%	1.4*	DTL	5Δ	10	0.0	5.0	50nΔ			17m†	1.0 Δ	-55	125	2	G04376a	M294
26#	9944FM	4		MON	1.7%	1.4*	DTL	5Δ	10	0.0	5.0	50nΔ			17m†	1.0 Δ	-55	125	2	G04376a	FP28g
27#	9946DM	4		MON	1.7%	1.4*	DTL	2	10	0.0	5.0	80nΔ			34m†	1.0 Δ	-55	125	4	G0427	M294
28#	9946FM	4		MON	1.7%	1.4*	DTL	2	10	0.0	5.0	80nΔ			34m†	1.0 Δ	-55	125	4	G0427	FP28g
29#	9962DM	4		MON	1.7%	1.4*	DTL	3	10	0.0	5.0	80nΔ			25m†	1.0 Δ	-55	125	3	G0492j	M294
30#	9962FM	4		MON	1.7%	1.4*	DTL	3	10	0.0	5.0	80nΔ			25m†	1.0 Δ	-55	125	3	G0492j	FP28g
31#	9930BC	4		MON	1.8%	1.2*	DTL	5Δ	10	0.0	5.0	100nΔ			17m†	1.0 Δ	0	75	2	G04217	M126u
32#	9930DC	4		MON	1.8%	1.2*	DTL	5Δ	10	0.0	5.0	100nΔ			17m†	1.0 Δ	0	75	2	G04217	M294
33#	9930FC	4		MON	1.8%	1.2*	DTL	5Δ	10	0.0	5.0	100nΔ			17m†	1.0 Δ	0	75	2	G04217	FP28g
34#	9932BC	4		MON	1.8%	1.2*	DTL	5Δ	10	0.0	5.0	100nΔ			17m†	1.0 Δ	0	75	2	G04218	M126u
35#	9932DC	4		MON	1.8%	1.2*	DTL	5Δ	10	0.0	5.0	100nΔ			17m†	1.0 Δ	0	75	2	G04218	M294
36#	9932FC	4		MON	1.8%	1.2*	DTL	5Δ	10	0.0	5.0	100nΔ			17m†	1.0 Δ	0	75	2	G04218	FP28g
37#	9944BC	4		MON	1.8%	1.2*	DTL	5Δ	10	0.0	5.0	70nΔ			17m†	1.0 Δ	0	75	2	G04376a	M126u
38#	9944DC	4		MON	1.8%	1.2*	DTL	5Δ	10	0.0	5.0	70nΔ			17m†	1.0 Δ	0	75	2	G04376a	M294
39#	9944FC	4		MON	1.8%	1.2*	DTL	5Δ	10	0.0	5.0	70nΔ			17m†	1.0 Δ	0	75	2	G04376a	FP28g
40#	9946BC	4		MON	1.8%	1.2*	DTL	2	10	0.0	5.0	100nΔ			34m†	1.0 Δ	0	75	4	G0427	M126u
41#	9946DC	4		MON	1.8%	1.2*	DTL	2	10	0.0	5.0	100nΔ			34m†	1.0 Δ	0	75	4	G0427	M294
42#	9946FC	4		MON	1.8%	1.2*	DTL	2	10	0.0	5.0	100nΔ			34m†	1.0 Δ	0	75	4	G0427	FP28g
43#	9962BC	4		MON	1.8%	1.2*	DTL	3	10	0.0	5.0	100nΔ			25m†	1.0 Δ	0	75	3	G0492j	M126u
44#	9962DC	4		MON	1.8%	1.2*	DTL	3	10	0.0	5.0	100nΔ			25m†	1.0 Δ	0	75	3	G0492j	M294
45#	9962FC	4		MON	1.8%	1.2*	DTL	3	10	0.0	5.0	100nΔ			25m†	1.0 Δ	0	75	3	G0492j	FP28g
46	SW957-1P	4		MON	1.8%	1.2*	DTL	2		0.0	5.0	35n			120m	1.0	-55	125	4	G04154e	TO116
47	SW957-2M	4		MON	1.8%	1.2*	DTL	2	27†	0.0	5.0	35n			120m	1.0	0	75	4	G04154e	M105n
48	SW957-2P	4		MON	1.8%	1.2*	DTL	2	27†	0.0	5.0	35n			120m	1.0	0	75	4	G04154e	TO116
49	SW958-1P	4		MON	1.8%	1.2*	DTL	2		0.0	5.0	25n			88m	1.0	-55	125	4	G04376	TO116
50	SW958-2M	4		MON	1.8%	1.2*	DTL	2	27†	0.0	5.0	25n			88m	1.0	0	75	4	G04376	M105n
51	SW958-2P	4		MON	1.8%	1.2*	DTL	2	27†	0.0	5.0	25n			88m	1.0	0	75	4	G04376	TO116
52	JANM38510/03001BAA	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	112nΔ			46m		-55	125	2	G0427r	FP115
53	JANM38510/03001BAB	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	112nΔ			46m		-55	125	2	G0427r	FP115
54	JANM38510/03001BAC	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	112nΔ			46m		-55	125	2	G0427r	FP115
55	JANM38510/03001BCB	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	112nΔ			46m		-55	125	2	G0427r	M314
56	JANM38510/03001BCC	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	112nΔ			46m		-55	125	2	G0427r	M314
57	JANM38510/03001CAA	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	112nΔ			46m		-55	125	2	G0427r	FP115
58	JANM38510/03001CAB	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	112nΔ			46m		-55	125	2	G0427r	FP115
59	JANM38510/03001CAC	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	112nΔ			46m		-55	125	2	G0427r	FP115
60	JANM38510/03001CCB	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	112nΔ			46m		-55	125	2	G0427r	M314
61	JANM38510/03001CCC	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	112nΔ			46m		-55	125	2	G0427r	M314
62	JANM38510/03004BAA	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	112nΔ			92m		-55	125	4	G04229a	FP115
63	JANM38510/03004BAB	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	112nΔ			92m		-55	125	4	G04229a	FP115
64	JANM38510/03004BAC	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	112nΔ			92m		-55	125	4	G04229a	FP115
65	JANM38510/03004BCB	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	112nΔ			92m		-55	125	4	G04229a	M314
66	JANM38510/03004BCC	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	112nΔ			92m		-55	125	4	G04229a	M314
67	JANM38510/03004CAA	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	112nΔ			92m		-55	125	4	G04229a	FP115
68	JANM38510/03004CAB	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	112nΔ			92m		-55	125	4	G04229a	FP115
69	JANM38510/03004CAC	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	112nΔ			92m		-55	125	4	G04229a	FP115
70▼	JANM38510/03004CCB	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	112nΔ			92m		-55	125	4	G04229a	M314
71	JANM38510/03004CCC	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	112nΔ			92m		-55	125	4	G04229a	M314
72	JANM38510/03005BAA	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	112nΔ			69m		-55	125	3	G0427q	FP115
73	JANM38510/03005BAB	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	112nΔ			69m		-55	125	3	G0427q	FP115
74	JANM38510/03005BAC	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	112nΔ			69m		-55	125	3	G0427q	M314
75▼	JANM38510/03005BCB	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	112nΔ			69m		-55	125	3	G0427q	M314
76	JANM38510/03005BCC	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	112nΔ			69m		-55	125	3	G0427q	FP115
77	JANM38510/03005CAA	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	112nΔ			69m		-55	125	3	G0427q	FP115
78	JANM38510/03005CAB	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	112nΔ			69m		-55	125	3	G0427q	FP115
79	JANM38510/03005CAC	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	112nΔ			69m		-55	125	3	G0427q	FP115

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	JANM38510/03005CCB																				
	4			MON	1.9%	1.1*	DTL	3	8	0.0	5.5	112nΔ			69m		-55	125	3	G0427q	M314
2	JANM38510/03005CCC																				
		4		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	112nΔ			69m		-55	125	3	G0427q	M314
3♦	MIC930-1B	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	80nΔ			32m	350m*	-55	125	2	G0427a	FP32
4♦	MIC930-1C	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	80nΔ			32m	350m*	-55	125	2	G0427p	CN38
5♦	MIC930-1D	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	80nΔ			32m	350m*	-55	125	2	G0427a	M313b
6♦	MIC930-5B	4		MON	1.9%	1.1*	DTL	5Δ	8	0	5.5	80nΔ			40m	350m*	0	75	2	G0427a	FP32
7♦	MIC930-5C	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.0	80nΔ			40m	350m*	0	75	2	G0427p	CN38
8♦	MIC930-5D	4		MON	1.9%	1.1	DTL	5Δ	8	0	5	80nΔ			40m	350m*	0	75		G0427a	M313b
9♦	MIC932-1C	4		MON	1.9%	1.1*	DTL	3	25	0.0	5.5	80nΔ			133m	350m*	-55	125	2	G04154b	CN38
10♦	MIC932-1D	4		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.5	80nΔ			133m	350m*	-55	125	2	G04154a	M313b
11♦	MIC932-5C	4		MON	1.9%	1.1*	DTL	3	25	0.0	5.0	80nΔ			150m	350m*	0	75	2	G04154b	CN38
12♦	MIC932-5D	4		MON	1.9%	1.1	DTL	5Δ	25	0	5	80nΔ			150m	350m*	0	75		G04154a	M313b
13♦	MIC933-1D	4		MON	1.9%	1.1*	DTL	4	20	0	5.5					350m*	-55	125	2	G06136	M313b
14♦	MIC933-5D	4		MON	1.9%	1.1	DTL	4	20	0	5					350m*	0	75		G06136	M313b
15♦	MIC944-1C	4		MON	1.9%	1.1*	DTL	3	25	0.0	5.5	50nΔ			100m	350m*	-55	125	2	G0589b	CN38
16♦	MIC944-1D	4		MON	1.9%	1.1*	DTL	5Δ	25	0	5.5	50nΔ			100m	350m*	-55	125	2	G0589a	M313b
17♦	MIC944-5C	4		MON	1.9%	1.1*	DTL	3	25	0.0	5.0	50nΔ			100m	350m*	0	75	2	G0589b	CN38
18♦	MIC944-5D	4		MON	1.9%	1.1	DTL	5Δ	25	0	5	50nΔ			100m	350m*	0	75		G0589a	M313b
19♦	MIC946-1B	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	80nΔ			62m	350m*	-55	125	4	G04217a	FP32
20♦	MIC946-1C	4		MON	1.9%	1.1*	DTL	2	8	0	5.5	80nΔ			62m	350m*	-55	125	4	G04217a	CN38
21♦	MIC946-1D	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	80nΔ			62m	350m*	-55	125	4	G04217a	M313b
22♦	MIC946-5B	4		MON	1.9%	1.1*	DTL	2	8	0	5	80nΔ			80m	350m*	0	75	4	G04217a	FP32
23♦	MIC946-5C	4		MON	1.9%	1.1*	DTL	2	8	0	5.0	80nΔ			80m	350m*	0	75	4	G04217a	CN38
24♦	MIC946-5D	4		MON	1.9%	1.1	DTL	2	8	0	5	80nΔ			80m	350m*	0	75		G04217a	M313b
25♦	MIC949-1B	4		MON	1.9%	1.1*	DTL	2	7	0	5.5	50nΔ			109m	350m*	-55	125	4	G04217a	FP32
26♦	MIC949-1C	4		MON	1.9%	1.1*	DTL	2	7	0	5.5	50nΔ			109n	350m*	-55	125	4	G04217a	CN38
27♦	MIC949-1D	4		MON	1.9%	1.1*	DTL	2	7	0	5.5	50nΔ			109m	350m*	-55	125	4	G04217a	M313b
28♦	MIC949-5B	4		MON	1.9%	1.1*	DTL	2	7	0	5	50nΔ			117m	350m*	0	75	4	G04217a	FP32
29♦	MIC949-5C	4		MON	1.9%	1.1*	DTL	2	7	0	5.0	50nΔ			117m	350m*	0	75	4	G04217a	CN38
30♦	MIC949-5D	4		MON	1.9%	1.1	DTL	2	7	0	5	50nΔ			117m	350m*	0	75		G04217a	M313b
31♦	MIC961-1B	4		MON	1.9%	1.1*	DTL	5Δ	7	0.0	5.5	50nΔ			54m	350m*	-55	125	2	G0427a	FP32
32♦	MIC961-1C	4		MON	1.9%	1.1*	DTL	3	7	0.0	5.5	50nΔ			54m	350m*	-55	125	2	G0427p	CN38
33♦	MIC961-1D	4		MON	1.9%	1.1*	DTL	5Δ	7	0.0	5.5	50nΔ			54m	350m*	-55	125	2	G0427a	M313b
34♦	MIC961-5B	4		MON	1.9%	1.1*	DTL	5Δ	7	0	5	50nΔ			59m	350m*	0	75	2	G0427a	FP32
35♦	MIC961-5C	4		MON	1.9%	1.1	DTL	5Δ	7	0	5	50nΔ			59m	350m*	0	75		G0427p	CN38
36♦	MIC961-5D	4		MON	1.9%	1.1	DTL	5Δ	7	0	5	50nΔ			59m	350m*	0	75		G0427a	M313b
37♦	MIC962-1C	4		MON	1.9%	1.1*	DTL	3	8	0	5.5	80nΔ			48m	350m*	-55	125	3	G04217b	CN38
38♦#	MIC962-1D	4		MON	1.9%	1.1	DTL	3	8	0.0	5.0	80nΔ			60m	350m*	0	75	3	G04217b	M313b
39♦	MIC962-5B	4		MON	1.9%	1.1*	DTL	3	8	0	5	80nΔ			60m	350m*	0	75	3	G04217b	FP32
40♦	MIC962-5C	4		MON	1.9%	1.1*	DTL	3	8	0	5.0	80nΔ			60m	350m*	0	75	3	G04217b	CN38
41♦	MIC962-5D	4		MON	1.9%	1.1	DTL	3	8	0	5	80nΔ			60m	350m*	0	75		G04217b	M313b
42♦	MIC963-1C	4		MON	1.9%	1.1*	DTL	3	7	0	5.5	50nΔ			81m	350m*	-55	125	3	G04217b	CN38
43♦	MIC963-5B	4		MON	1.9%	1.1*	DTL	3	7	0.0	5.0	50nΔ			88m	350m*	0	75	3	G04217b	FP32
44♦	MIC963-5C	4		MON	1.9%	1.1*	DTL	3	7	0	5.0	50nΔ			88m	350m*	0	75	3	G04217b	CN38
45♦	MIC963-5D	4		MON	1.9%	1.1	DTL	3	7	0.0	5.0	50nΔ			88m	350m*	0	75		G04217b	M313b
46	SN15849F,R	4		MON	1.9%	1.1*	DTL	2	7	0	8						0	75	4	G04217a	TO84
47	SN15849J	4		MON	1.9%	1.1*	DTL	2	7	0	8						0	75	4	G04217a	TO116
48	SN15849N	4		MON	1.9%	1.1*	DTL	2	7	0	8						0	75	4	G04217a	M126
49	SN15861F,R	4		MON	1.9%	1.1*	DTL	5Δ	7	0	8						0	75	2	G04217	TO84
50	SN15861J	4		MON	1.9%	1.1*	DTL	5Δ	7	0	8						0	75	2	G04217	TO116
51	SN15861N	4		MON	1.9%	1.1*	DTL	5Δ	7	0	8						0	75	2	G04217	M126
52	SN15863F,R	4		MON	1.9%	1.1*	DTL	3	7	0.0	8.0						0	75	3	G04217b	TO84
53	SN15863J	4		MON	1.9%	1.1*	DTL	3	7	0	8						0	75	3	G04217b	TO116
54	SN15863N	4		MON	1.9%	1.1*	DTL	3	7	0	8						0	75	3	G04217b	M126
55	SN15930N	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.0	80nΔ			10mt		-55	125	2	G04217	M126a
56	SN15932N	4		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	80nΔ			10mt		-55	125	2	G04218	M126a
57	SN15944N	4		MON	1.9%	1.1*	DTL	5Δ	27	0.0	5.0	50nΔ			10mt		-55	125	2	G04218a	M126a
58	SN15946N	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.0	80nΔ			20mt		-55	125	4	G04217a	M126a
59	SN15949F,R	4		MON	1.9%	1.1*	DTL	2	7	0	8						-55	125	4	G04217a	TO84
60	SN15949J	4		MON	1.9%	1.1*	DTL	2	7	0	8						-55	125	4	G04217a	TO116
61	SN15949N	4		MON	1.9%	1.1*	DTL	2	7	0	8						-55	125	4	G04217a	M126
62	SN15961F,R	4		MON	1.9%	1.1*	DTL	5Δ	7	0	8						-55	125	2	G04217	TO84
63	SN15961J	4		MON	1.9%	1.1*	DTL	5Δ	7	0	8						-55	125	2	G04217	TO116
64	SN15961N	4		MON	1.9%	1.1*	DTL	5Δ	7	0	8						-55	125	2	G04217	M126
65	SN15962N	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.0	80nΔ			15mt		-55	125	3	G04217b	M126e
66	SN15963F,R	4		MON	1.9%	1.1*	DTL	3	7	0	8						-55	125	3	G04217b	TO84
67	SN15963J	4		MON	1.9%	1.1*	DTL	3	7	0	8						-55	125	3	G04217b	TO116
68	SN15963N	4		MON	1.9%	1.1*	DTL	3	7	0	8						-55	125	3	G04217b	M126
69	SW1800M	4		MON	1.9%	1.2*	DTL	5	8†	0.0	8.0	30n			16mt	1.0	0	75	2	G0427k	M105n
70	SW1800P	4		MON	1.9%	1.2*	DTL	5	8†	0.0	8.0	30n			16mt	1.0	0	75	2	G0427k	M114
71	SW1802M	4		MON	1.9%	1.2*	DTL	9Δ	8†	0.0	8.0	30n			8.0mt	1.0	0	75	1	G0427m	M105n
72	SW1802P	4		MON	1.9%	1.2*	DTL	9Δ	8†	0.0	8.0	30n			8.0mt	1.0	0	75	1	G0427m	M114
73	502	4		PCB	2.0%	.45*	DTL	2	8	0.0	7.0	35n%			120mt		0	12	12		CB62
74	566	4		PCB	2.0%	.45*	DTL	5	10	0.0	7.0	40n%			240mt		0	70	4		CB62
75	566A	4		PCB	2.0%	.45*	DTL	5	10	0.0	7.0	40n%			240mt		0	70	4		CB62
76	503	4	5.0M	PCB	2.0%	.45*	DTL	3	7	0.0	7.0	35n%			100mt		0	70	10		CB62
77	503A	4	5.0M	PCB	2.0%	.45*	DTL	3	22	0.0	7.0	35n%			250mt		0	70	10		CB62
78	503B	4	5.0M	PCB	2.0%	.45*	DTL	3	25	0.0	7.0	30n%			200mt		0	70	10		CB62
79	504	4	5.0M	PCB	2.0%	.45*	DTL	4	8	0.0	7.0	35n%			80mt		0	70	8		CB62
80	504A	4	5.0M	PCB	2.0%	.45*	DTL	4	25	0.0	7.0	35n%			200mt		0	70	8		CB62
81	504B	4	5.0M	PCB	2.0%	.45*	DTL	4	27	0.0	7.0	30n%			160mt		0	70	8		CB62
82	507	4	5.0M	PCB	2.0%	.45*	DTL	2	25	0.0	7.0	35n%			300mt		0	70	12		CB62
83	507B	4	5.0M	PCB	2.0%	.45*	DTL	2	27	0.0	7.0	30n%			240mt		0	70	12		CB62
84	508	4	5.0M	PCB	2.0%	.45*	DTL	8Δ	8	0.0	7.0	30n%			44mt		0	70	4		CB62
85	MGD2	4	3.0M	PCB	2.0%	.50*	DTL	2		5	5	30n			625m	1.0	0	70	8	G04374	CB37c
86	RC6175G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66mt	550m	0	75	6	G0428t	TO84
87	RC6176G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66mt	550m	0	75	6	G0428t	TO84
88	RM210D	4		MON	2.0%	1.0*	DTL	3	19	0	6.0	75n			40mt	550m	-55	125	2		M105k
89	RM210G	4		MON	2.0%	1.0*	DTL	3	19	0	6.0	75n			40mt	440m	-55	125	2	G0437	TO84
90	RM210T	4		MON	2.0%	1.0*	DTL	3	19	0	6.0	75n			40mt	550m	-55	125	2	G0437	TO101
91	RM220D	4		MON	2.0%	1.0*	DTL	4Δ	19	0	6.0	75n			40mt	550m	-55	125	2		M105k
92	RM220G	4		MON	2.0%	1.0*	DTL	4Δ	19	0	6.0	75n			40mt	550m	-55	125	2		TO84
93	RM220T	4		MON	2.0%	1.0*	DTL	4Δ	19	0	6.0	75n			40mt	550m	-55	125	2	G0437b	TO101
94	RM286D	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66mt	550m	-55	125	6		M105k
95	RM286G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66mt	550m	-55	125	6	G0428t	TO84
96	RM296D	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66mt	550m	-55	125	6	G0428t	M105k
97	RM296G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66mt	550m	-55	125	6	G0428t	TO84
98	RM957D	4		MON	2.0%	1.0*	DTL	2	25	0	5.0	35n			180mt	500m	-55	125	4		M105m
99	RM957J	4		MON	2.0%	1.0*	DTL	2	25	0	5.0	35n			180mt	500m	-55	125	4		FP28
100	RM958D	4		MON	2.0%	1.0*	DTL	2	27	0	5.0	30n			140mt	500m	-55	125	4		M105m
101	RM958J	4		MON	2.0%	1.0*	DTL	2	27	0	5.0	30n			140mt	500m	-55	125	4		FP28
102	RM6175G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66mt	550m	-55	125	6	G0428t	TO84
103	RM6176G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66mt	550m	-55	125	6	G0428t	TO84
104♦	MIC962-1B	4		MON	2.0%	1.1*	DTL	3	8	0.0	5.5	80nΔ			48m	350m*	-55	125	3	G04217b	FP32
105♦	MIC963-1B	4		MON	2.0%	1.1*	DTL	3	7	0	5.5	50nΔ			81.m	350m*	-55	125	3	G04217b	FP32
106♦	MIC963-1D	4		MON	2.0%	1.1*	DTL	3	7	0	5.5	50nΔ			81.m	350m*	-55	125	3	G04217b	M313b
107	SN15962	4		MON	2.5%	.45*Δ	DTL	3	8	0	8				15m		-55	125	3	G04217b	TO84
108	9949FC	4		MON	2.6%	.40†*	DTL	2	7	0.0	8.0	36n			36m	1.1	0	75	4	G0492a	FP28

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	9961FC	4		MON	2.6%	.40†*	DTL	5Δ	7	0.0	8.0	36n			17m	1.1	0	75	2	G0492	FP28
2	9963FC	4		MON	2.6%	.40†*	DTL	3	7	0.0	8.0	36n			25m		0	75	3	G0492b	FP28
3#	DN1930	4		MON	2.6%	.40*	DTL	5Δ	8	0.0	5.0	25n%			8.5m†	1.0 Δ	0	75	2	G0492	T0116
4#	DN1932	4		MON	2.6%	.40*	DTL	5Δ	25	0.0	5.0	35n%			26m†	1.0 Δ	0	75	2	G04207a	T0116
5#	DN1944	4		MON	2.6%	.40*	DTL	5Δ	27	0.0	5.0	40n%			20m†	1.0 Δ	0	75	2	G04154b	T0116
6#	DN1946	4		MON	2.6%	.40*	DTL	2	8	0.0	5.0	25n%			8.5m†	1.0 Δ	0	75	4	G0492a	T0116
7#	DN1949	4		MON	2.6%	.40*	DTL	2	7	0.0	5.0	20n%			12m†	1.0 Δ	0	75	4	G0492a	T0116
8#	DN1961	4		MON	2.6%	.40*	DTL	5Δ	7	0.0	5.0	20n%			12m†	1.0 Δ	0	75	2	G0492	T0116
9#	DN1962	4		MON	2.6%	.40*	DTL	3	8	0.0	5.0	25n%			8.5m†	1.0 Δ	0	75	3	G0492b	T0116
10#	DN1963	4		MON	2.6%	.40*	DTL	3	7	0.0	5.0	20n%			12m†	1.0 Δ	0	75	3	G0492b	T0116
11	MC930F	4		MON	2.6%	.40*	DTL	5Δ	8	0.0	5.0	30n			22m†		-55	125	2	G0492	T086
12	MC930G	4		MON	2.6%	.40*	DTL	3†	8	0.0	5.0	30n			22m†		-55	125	2	G0492	T0100
13	MC930L	4		MON	2.6%	.40*	DTL	5Δ	8	0.0	5.0	30n			22m†		-55	125	2	G0492	T0116
14	MC932F	4		MON	2.6%	.40*	DTL	5Δ	25	0.0	5.0	35n			85m†		-55	125	2	G04154a	T086
15	MC932G	4		MON	2.6%	.40*	DTL	3†	25	0.0	5.0	35n			85m†		-55	125	2	G04154c	T0100
16	MC932L	4		MON	2.6%	.40*	DTL	5Δ	25	0.0	5.0	35n			85m†		-55	125	2	G04154a	T0116
17	MC944F	4		MON	2.6%	.40*	DTL	5Δ	27	0.0	5.0	30n%			65m†		-55	125	2	G04154	T086
18	MC944G	4		MON	2.6%	.40*	DTL	3†	27	0.0	5.0	30n%			65m†		-55	125	2	G04154b	T0116
19	MC944L	4		MON	2.6%	.40*	DTL	5Δ	27	0.0	5.0	30n%			65m†		-55	125	2	G04154	T0116
20	MC946F	4		MON	2.6%	.40*	DTL	2	8	0.0	5.0	30n%			44m†		-55	125	4	G04229a	T086
21	MC946L	4		MON	2.6%	.40*	DTL	2	8	0.0	5.0	30n%			44m†		-55	125	4	G04229a	T0116
22	MC949F	4		MON	2.6%	.40*	DTL	2	7	0.0	5.0	25n%			66m†		-55	125	4	G04229a	T086
23	MC949L	4		MON	2.6%	.40*	DTL	2	7	0.0	5.0	25n%			66m†		-55	125	4	G04229a	T0116
24	MC961F	4		MON	2.6%	.40*	DTL	5Δ	7	0.0	5.0	25n%			33m†		-55	125	2	G0492	T086
25	MC961G	4		MON	2.6%	.40*	DTL	3†	7	0.0	5.0	25n%			33m†		-55	125	2	G0492	T0100
26	MC961L	4		MON	2.6%	.40*	DTL	5Δ	7	0.0	5.0	25n%			33m†		-55	125	2	G0492	T0116
27	MC962F	4		MON	2.6%	.40*	DTL	3	8	0.0	5.0	30n%			33m†		-55	125	3	G04229f	T086
28	MC962L	4		MON	2.6%	.40*	DTL	3	8	0.0	5.0	30n%			33m†		-55	125	4	G04229f	T0116
29	MC963F	4		MON	2.6%	.40*	DTL	3	7	0.0	5.0	25n%			50m†		-55	125	3	G04229f	T086
30	MC963L	4		MON	2.6%	.40*	DTL	3	7	0.0	5.0	25n%			50m†		-55	125	4	G04229f	T0116
31	MCE930F	4		MON	2.6%	.40*†	DTL	5Δ	8	0.0	5.0				22m†		-55	125	2	G0427a	T086
32	MCE932F	4		MON	2.6%	.40*†	DTL	5Δ	25	0.0	5.0				85m†		-55	125	2	G04207a	T086
33	MCE946F	4		MON	2.6%	.40*†	DTL	2	8	0.0	5.0	80n			44m		-55	125	4	G0492a	T085
34	DM930N	4		MON	2.6%	.45†*	DTL	5Δ		0.0	5.0	80nΔ			8.0m%		0	75	2	G0427r	M344
35	DM932N	4		MON	2.6%	.45†*	DTL	5Δ		0.0	5.0	80nΔ			8.0m%		0	75	2	G04154a	M344
36	DM944N	4		MON	2.6%	.45†*	DTL	5Δ		0.0	5.0	80nΔ			8.0m%		0	75	2	G04154	M344
37	DM946N	4		MON	2.6%	.45†*	DTL	2		0.0	5.0	80nΔ			16m%		0	75	4	G0427	M344
38	DM949N	4		MON	2.6%	.45†*	DTL	2		0.0	5.0	80nΔ			16m%		0	75	4	G0427	M344
39	DM957N	4		MON	2.6%	.45†*	DTL	2		0.0	5.0	80nΔ			16m%		0	75	4	G04154f	M344
40	DM958N	4		MON	2.6%	.45†*	DTL	2		0.0	5.0	80nΔ			16m%		0	75	4	G04154e	M344
41	DM961N	4		MON	2.6%	.45†*	DTL	5Δ		0.0	5.0	80nΔ			8.0m%		0	75	2	G0427r	M344
42	DM962N	4		MON	2.6%	.45†*	DTL	3		0.0	5.0	80nΔ			12m%		0	75	3	G0427g	M344
43	DM963N	4		MON	2.6%	.45†*	DTL	3		0.0	5.0	80nΔ			12m%		0	75	3	G0427g	M344
44	DM1800N	4		MON	2.6%	.45†*	DTL	5Δ		0.0	5.0	80nΔ			8.0m%		0	75	2	G0427k	M344
45	DM1801N	4		MON	2.6%	.45†*	DTL	5Δ		0.0	5.0	80nΔ			8.0m%		0	75	2	G0427k	M344
46	HEPC1062P-RT	4		MON	2.60%	.45*†	DTL	3		0.0	5.0	30n			39m		0	75	3	G04229f	T0116
47	MC830F	4		MON	2.6%	.45*†	DTL	5Δ	8	0.0	5.0	30n%			22m†		0	75	2	G0492	T086
48	MC830G	4		MON	2.6%	.45*†	DTL	3†	8	0.0	5.0	30n%			22m†		0	75	2	G0492	T0100
49	MC830L,P%	4		MON	2.6%	.45*†	DTL	5Δ	8	0.0	5.0	30n%			22m†		0	75	2	G0492	T0116
50	MC832F	4		MON	2.6%	.45*†	DTL	5Δ	25	0.0	5.0	35n%			85m†		0	75	2	G04154a	T086
51	MC832G	4		MON	2.6%	.45*†	DTL	3†	25	0.0	5.0	35n%			85m†		0	75	2	G04154c	T0100
52	MC832L,P%	4		MON	2.6%	.45*†	DTL	5Δ	25	0.0	5.0	35n%			85m†		0	75	2	G04154a	T0116
53	MC844F	4		MON	2.6%	.45*	DTL	5Δ	27	0.0	5.0	30n%			65m†		0	75	2	G04154	T086
54	MC844G	4		MON	2.6%	.45*	DTL	3†	27	0.0	5.0	30n%			65m†		0	75	2	G04154b	T0100
55	MC844L,P%	4		MON	2.6%	.45*	DTL	5Δ	27	0.0	5.0	30n%			65m†		0	75	2	G04154	T0116
56	MC846F	4		MON	2.6%	.45*	DTL	2	8	0.0	5.0	30n%			44m†		0	75	4	G04229a	T086
57	MC846L,P%	4		MON	2.6%	.45*	DTL	2	8	0.0	5.0	30n%			44m†		0	75	4	G04229a	T0116
58	MC849F	4		MON	2.6%	.45*	DTL	2	7	0.0	5.0	25n%			66m†		0	75	4	G04229a	T086
59	MC849L,P%	4		MON	2.6%	.45*	DTL	2	7	0.0	5.0	25n%			66m†		0	75	4	G04229a	T0116
60	MC861F	4		MON	2.6%	.45*†	DTL	5Δ	7	0.0	5.0	25n%			33m†		0	75	2	G0492	T086
61	MC861G	4		MON	2.6%	.45*†	DTL	3†	7	0.0	5.0	25n%			33m†		0	75	2	G0492	T0100
62	MC861L,P%	4		MON	2.6%	.45*†	DTL	5Δ	7	0.0	5.0	25n%			33m†		0	75	2	G0492	T0116
63	MC862F	4		MON	2.6%	.45*	DTL	3	8	0.0	5.0	30n%			33m†		0	75	3	G04229f	T086
64	MC862L,P%	4		MON	2.6%	.45*	DTL	3	8	0.0	5.0	30n%			33m†		0	75	3	G04229f	T0116
65	MC863F	4		MON	2.6%	.45*	DTL	3	7	0.0	5.0	25n%			50m†		0	75	3	G04229f	T086
66	MC863L,P%	4		MON	2.6%	.45*	DTL	3	7	0.0	5.0	25n%			50m†		0	75	3	G04229f	T0116
67#	FQH101-830	4	5.0M%	MON	2.6%	.45†*	DTL	5Δ	8	0.0	5.0	25n%	30n	80n	20m†	1.0 Δ	0	75	2	G04354	T0116
68#	FQH121-846	4	5.0M%	MON	2.6%	.45†*	DTL	5Δ	8	0.0	5.0	25n%	30n	80n	20m†	1.0 Δ	0	75	4	G04354a	T0116
69#	FQH161-832	4	5.0M%	MON	2.6%	.45†*	DTL	5Δ	25	0.0	5.0	25n%	40n	80n	150m†	1.0 Δ	0	75	2	G04355	T0116
70#	FQH171-844	4	5.0M%	MON	2.6%	.45†*	DTL	5Δ	27	0.0	5.0	25n%	35n	50n	113m†	1.0 Δ	0	75	2	G04355a	T0116
71#	FQH181-862	4	5.0M%	MON	2.6%	.45†*	DTL	5Δ	8	0.0	5.0	25n%	30n	80n	20m†	1.0 Δ	0	75	3	G04354b	T0116
72	MC857F	4		MON	3.0	.20	DTL	2	25	0.0	5.0	35n%			170m†		0	75	4	G06162	T086
73	MC857L,P%	4		MON	3.0	.20	DTL	2	25	0.0	5.0	35n%			170m†		0	75	4	G06162	T0116
74	MC858F	4		MON	3.0	.20	DTL	2	27	0.0	5.0	30n%			130m†		0	75	4	G04376	T086
75	MC858L,P%	4		MON	3.0	.20	DTL	2	27	0.0	5.0	30n%			130m†		0	75	4	G04376	T0116
76	MC957F	4		MON	3.0	.20	DTL	2	25	0.0	5.0	35n%			170m†		-55	125	4	G06162	T086
77	MC957L	4		MON	3.0	.20	DTL	2	25	0.0	5.0	35n%			170m†		-55	125	4	G06162	T0116
78	MC958F	4		MON	3.0	.20	DTL	2	27	0.0	5.0	30n%			130m†		-55	125	4	G04376	T086
79	MC958L	4		MON	3.0	.20	DTL	2	27	0.0	5.0	30n%			130m†		-55	125	4	G04376	T0116
80	MC1800F	4		MON	3.0	.20	DTL	5	8	0.0	5.0	30n%			22m†	1.0	0	75	2	G0427k	T086
81	MC1800L,P%	4		MON	3.0	.20	DTL	5	8	0.0	5.0	30n%			22m†	1.0	0	75	2	G0427k	T0116
82	MC1801F	4		MON	3.0	.20	DTL	5	7	0.0	5.0	25n%			33m†	1.0	0	75	2	G0427k	T086
83	MC1802F	4		MON	3.0	.20	DTL	9	8	0.0	5.0	30n%			11m†	1.0	0	75	1	G0427m	T086
84	MC1802L,P%	4		MON	3.0	.20	DTL	9	8	0.0	5.0	30n%			11m†	1.0	0	75	1	G0427m	T0116
85	MC1803F	4		MON	3.0	.20	DTL	9	7	0.0	5.0	25n%			16m†	1.0	0	75	1	G0427m	T086
86	MC1803L,P%	4		MON	3.0	.20	DTL	9	7	0.0	5.0	25n%			16m†	1.0	0	75	1	G0427m	T0116
87	MC1804F	4		MON	3.0	.20	DTL	10	8	0.0	5.0	30n%			11m†	1.0	0	75	1	G0427n	T086
88	MC1804L,P%	4		MON	3.0	.20	DTL	10	8	0.0	5.0	30n%			11m†	1.0	0	75	1	G0427n	T0116
89	MC1805F	4		MON	3.0	.20	DTL	10	7	0.0	5.0	25n%			16m†	1.0	0	75	1	G0427n	T086
90	MC1805L,P%	4		MON	3.0	.20	DTL	10	7	0.0	5.0	25n%			16m†	1.0	0	75	1	G0427n	T0116
91	MC1900F	4		MON	3.0	.20	DTL	5	8	0.0	5.0	30n%			22m†	1.0	0	75	2	G0427k	T086
92	MC1900L	4		MON	3.0	.20	DTL	5	8	0.0	5.0	30n%			22m†	1.0	0	75	2	G0427k	T0116
93	MC1901F	4		MON	3.0	.20	DTL	5	7	0.0	5.0	25n%			33m†	1.0	-55	125	2	G0427k	T086
94	MC1901L	4		MON	3.0	.20	DTL	5	7	0.0	5.0	25n%			33m†	1.0	-55	125	2	G0427k	T0116
95	MC1902F	4		MON	3.0	.20	DTL	9	8	0.0	5.0	30n%			11m†	1.0	-55	125	1	G0427m	T086
96	MC1902L	4		MON	3.0	.20	DTL	9	8	0.0	5.0	30n%			11m†	1.0	-55	125	1	G0427m	T0116
97	MC1903F	4		MON	3.0	.20	DTL	10	7	0.0	5.0	25n%			16m†	1.0	-55	125	1	G0427m	T086
98	MC1903L	4		MON	3.0	.20	DTL	10	7	0.0	5.0	25n%			16m†	1.0	-55	125	1	G0427m	T0116
99	MC1904F	4		MON	3.0	.20	DTL	10	8	0.0	5.0	30n%			11m†	1.0	-55	125	1	G0427n	T086
100	MC1904L	4		MON	3.0	.20	DTL	10	8	0.0	5.0	30n%			11m†	1.0	-55	125	1	G0427n	T0116
101	MC1905F	4		MON	3.0	.20	DTL	10	7	0.0	5.0	25n%			16m†	1.0	-55	125	1	G0427n	T086
102	MC1905L	4		MON	3.0	.20	DTL	10	7	0.0	5.0	25n%			16m†	1.0	-55	125	1	G0427n	T0116
103	SW1804M	4		MON	3.0	.20	DTL	10	8	0.0	8.0	30n			11m†	1.0	0	75		G0427n	M105n
104♦	MNG8	4	2.0M	PCB	3.0%	.40*	DTL	5†	8	0.0	5.0	25n			155m	1.0	0	70	8	G04327	CB53
105♦	MNG10	4	2.0M	PCB	3.0%	.40*	DTL	3†	8	0	5	25n			195m	1.0	0	70	10	G043ah	CB53
106♦	MNG12	4	2.0M	PCB	3.0%	.40*	DTL	2	8	0	5	25n			230m	1.0	0	70	12	G043aj	CB53
107♦	MNG2	4	5.0M	PCB	3.0%	.40*	DTL	5Δ	8	0	5	25n			40m	1.0	0	70	6	G04326	CB53
108♦	MNG6	4	5.0M	PCB	3.0%	.40*	DTL	5Δ	8	0	5	25n			100m	1.0	0	70	6	G041d	CB53
109♦	MNG9	4	5.0M	PCB	3.0%	.40*	DTL	3	8	0	5	25n			150m	1.0	0	70	9	G043ag	CB53

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	MPG8	4	5.0M	PCB	3.0%	.40*	DTL		8	0.0	5.0	40n			480m%	1.0	0	70	8		CB53
2▼	MPG8A	4	5.0M	PCB	3.0%	.40*	DTL	4Δ	8	0.0	5.0	40n			480m%	1.0	0	70	8		CB53
3	N8416A	4		MON	3.4%	.35*†	DTL	5Δ	9	0	5	95n		75n	25mΔ	1.4	0	75	2	G04258a	TO116
4	N8416F	4		MON	3.4%	.35†*	DTL	5Δ	9	0.0	5.0	95n		75n	25mΔ	1.4	0	75	2	G04258a	M157
5	N8416J	4		MON	3.4%	.35*†	DTL	5Δ	9	0	5	95n		75n	25mΔ	1.4	0	75	2	G04258	TO88
6	S8416A	4		MON	3.4%	.35*†	DTL	5Δ	9	0	5	95n		75n	25mΔ	1.4	-55	125	2	G04258a	TO116
7	S8416F	4		MON	3.4%	.35†*	DTL	5Δ	9	0.0	5.0	95n		75n	25mΔ	1.4	-55	125	2	G04258a	M157
8	S8416J	4		MON	3.4%	.35*†	DTL	5Δ	9	0	5	95n		75n	25mΔ	1.4	-55	125	2	G04258	TO88
9♦	SP337A	4		MON	3.5%	.40†	DTL	5Δ	12†	0.0	5.0	45n			90m†	1.2	0	75	2	G04400a	M105q
10♦	SP377A	4		MON	3.5%	.40†	DTL	3	12†	0.0	5.0	45n			135m†	1.2	0	75	3	G04400b	M105q
11♦	SP387A	4		MON	3.5%	.40†	DTL	2	12†	0.0	5.0	45n			180m†	1.2	0	75	4	G04400c	M105q
12	SP356A	4		MON	3.5%	.60*†	DTL	5Δ	18	0.0	5.0						0	75	2	K211	TO116
13#	FQH111-861	4	5.0M%	MON	4.3%	.45†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	30m†	1.0 Δ	0	75	2	G04354	TO116
14#	FQH131-849	4	5.0M%	MON	4.3%	.45†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	30m†	1.0 Δ	0	75	4	G04354a	TO116
15#	FQH191-863	4	5.0M%	MON	4.3%	.45†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	30m†	1.0 Δ	0	75	3	G04354b	TO116
16	K113	4	100k	PCB	5.0	0.0	DTL	2	15	0.0	5.0	2.0u	180u	180u	85m	1.6	-20	65	3		
17	I200	4	5.0M	PCB	5.0	0.0	DTL	2	8	4.8	5.2	25n	50n	25n	320m	1.0	0	70	16		CB☑
18	I201	4	5.0M	PCB	5.0	0.0	DTL	3	8	4.8	5.2	25n	50n	25n	240m	1.0	0	70	12		CB☑
19	I202	4	5.0M	PCB	5.0	0.0	DTL	5Δ	8	4.8	5.2	25n	50n	25n	160m	1.0	0	70	8		CB☑
20	I203	4	5.0M	PCB	5.0	0.0	DTL	3Δ	25	4.8	5.2	40n	50n	25n	900m	1.0	0	70	12		CB☑
21	I204	4	5.0M	PCB	5.0	0.0	DTL	3Δ	25	4.8	5.2	30n	50n	25n	600m	1.0	0	70	12		CB☑
22	I206	4	5.0M	PCB	5.0	0.0	DTL	5Δ	25	4.8	5.2	30n	50n	25n	400m	1.0	0	70	8		CB☑
23	I207	4	5.0M	PCB	5.0	0.0	DTL	5Δ	25	4.8	5.2	40n	50n	25n	600m	1.0	0	70	8		CB☑
24	301AL	4		MON	6.5*	5.0%	DTL	6Δ	20	0.0	15	400nΔ			1.0 †	3.2	-30	70	2	G04238	M200j
25	301BL	4		MON	6.5*	5.0%	DTL	6Δ	20	0.0	12	400nΔ			576m†	3.5	-55	125	2	G04238	M200j
26	301CL	4		MON	6.5*	5.0%	DTL	6Δ	20	0.0	12	400nΔ			576m†	3.5	-30	85	2	G04238	M200j
27	301ML	4		MON	6.5*	5.0%	DTL	6Δ	20	0.0	15	400nΔ			1.0 †	3.2	-55	125	2	G04238	M200j
28	302AL	4		MON	6.5*	5.0%	DTL	3†	23	0.0	15	600nΔ			900m†	3.2	-30	70	4	G04329	M200j
29	302BL	4		MON	6.5*	5.0%	DTL	3†	23	0.0	12	600nΔ			480m†	3.5	-55	125	4	G04329	M200j
30	302CJ	4		MON	6.5*	5.0%	DTL	3Δ		0.0	12						-30	85	4	G04329	M319
31	302CL	4		MON	6.5*	5.0%	DTL	3†	28	0.0	12	600nΔ			480m†	3.5	-30	85	4	G04329	M200j
32	302ML	4		MON	6.5*	5.0%	DTL	3†	28	0.0	15	600nΔ			900m†	3.2	-55	125	4	G04329	M200j
33	303AL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	600nΔ			1.0 †	3.2	-30	70	4	G04380	M200j
34	303BL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	600nΔ			508m†	3.5	-55	125	4	G04380	M200j
35	303CL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	600nΔ			508m†	3.5	-30	85	4	G04380	M200j
36	303ML	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	600nΔ			1.0 †	3.2	-55	125	4	G04380	M200j
37	321AJ	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	300nΔ			300m†	3.2	-30	70	4	G04237	M319
38	321AL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	300nΔ			300m†	3.2	-30	70	4	G04237	M200j
39	321BL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	300nΔ			180m†	3.5	-55	125	4	G04237	M200j
40	321CL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	300nΔ			180m†	3.5	-30	85	4	G04237	M200j
41	321ML	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	300nΔ			300m†	3.2	-55	125	4	G04237	M200j
42	322AJ	4		MON	6.5*	5.0%	DTL	6†	5	0.0	15	550nΔ			165m†	3.2	-30	70	2	G04236	M319
43	322AL	4		MON	6.5*	5.0%	DTL	6†	5	0.0	15	550nΔ			165m†	3.2	-30	70	2	G04236	M200j
44	322BL	4		MON	6.5*	5.0%	DTL	6†	5	0.0	12	550nΔ			96m†	3.5	-55	125	2	G04236	M200j
45	322CL	4		MON	6.5*	5.0%	DTL	6†	5	0.0	12	550nΔ			96m†	3.5	-30	85	2	G04236	M200j
46	322ML	4		MON	6.5*	5.0%	DTL	6†	5	0.0	15	550nΔ			165m†	3.2	-55	125	2	G04236	M200j
47	323AJ	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	400nΔ			120m†	3.2	-30	70	4	G04316	M319
48	323AL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	400nΔ			120m†	3.2	-30	70	4	G04316	M200j
49	323BL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	400nΔ			66m†	3.5	-55	125	4	G04316	M200j
50	323CJ	4		MON	6.5*	5.0%	DTL	3Δ	5	0.0	12	100n			320m	5.0 Δ	-30	85	4	G04316	M319
51	323CL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	400nΔ			66m†	3.5	-30	85	4	G04316	M200j
52	323ML	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	400nΔ			120m†	3.2	-55	125	4	G04316	M200j
53	324AJ	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	600nΔ			600m†	3.2	-30	70	4	G04381	M319
54	324AL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	600nΔ			600m†	3.2	-30	70	4	G04381	M200j
55	324BL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	600nΔ			336m†	3.5	-55	125	4	G04381	M200j
56	324CL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	600nΔ			336m†	3.5	-30	85	4	G04381	M200j
57	324ML	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	600nΔ			600m†	3.2	-55	125	4	G04381	M200j
58	325AJ	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	300nΔ			200m†	3.2	-30	75	4	G04382	M319
59	325AL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	300nΔ			200m†	3.2	-30	70	4	G04382	M200j
60	325BL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	300nΔ			180m†	3.5	-55	125	4	G04382	M200j
61	325CL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	300nΔ			180m†	3.5	-30	85	4	G04382	M200j
62	325ML	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	300nΔ			200m†	3.2	-55	125	4	G04382	M200j
63	326AJ	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	600nΔ			600m†	3.2	-30	70	4	G04383	M319
64	326AL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	600nΔ			600m†	3.2	-30	70	4	G04383	M200j
65	326BL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	600nΔ			336m†	3.5	-55	125	4	G04383	M200j
66	326CL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	600nΔ			336m†	3.5	-30	85	4	G04383	M200j
67	326ML	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	600nΔ			600m†	3.2	-55	125	4	G04383	M200j
68	ITT301-1D	4			6.5	5.0	DTL	6Δ		0.0	12	180nΔ					-55	125	2	G04441	M200d
69	ITT301-5D	4			6.5	5.0	DTL	6Δ		0.0	12	160nΔ					-30	85	2	G04441	M200d
70	ITT302-1D	4			6.5	5.0	DTL	3Δ		0.0	12						-55	125	4	G04380a	M200d
71	ITT302-5D	4			6.5	5.0	DTL	3Δ		0.0	12						-30	85	4	G04380a	M200d
72	ITT303-1D	4			6.5	5.0	DTL	3Δ		0.0	12						-55	125	4	G04380	M200d
73	ITT303-5D	4			6.5	5.0	DTL	3Δ		0.0	12						-30	85	4	G04380	M200d
74	ITT321-1D	4			6.5	5.0	DTL	3Δ		0.0	12	250nΔ					-55	125	4	G04442	M200d
75	ITT321-5D	4			6.5	5.0	DTL	3Δ		0.0	12	220nΔ					-30	85	4	G04442	M200d
76	ITT322-1D	4			6.5	5.0	DTL	6Δ		0.0	12	250nΔ					-55	125	2	G04236	M200d
77	ITT322-5D	4			6.5	5.0	DTL	6Δ		0.0	12	220nΔ					-30	85	2	G04236	M200d
78	ITT323-1D	4			6.5	5.0	DTL	3Δ		0.0	12						-55	125	4	G04316	M200d
79	ITT323-5D	4			6.5	5.0	DTL	3Δ		0.0	12						-30	85	4	G04316	M200d
80	ITT324-1D	4			6.5	5.0	DTL	3Δ		0.0	12						-55	125	4	G04381	M200d
81	ITT324-5D	4			6.5	5.0	DTL	3Δ		0.0	12						-30	85	4	G04381	M200d
82	ITT325-1D	4			6.5	5.0	DTL	3†		0.0	12	250nΔ					-55	125	4	G04382	M200d
83	ITT325-5D	4			6.5	5.0	DTL	3†		0.0	12	220nΔ					-30	85	4	G04382	M200d
84	ITT326-1D	4			6.5	5.0	DTL	3†		0.0	12						-55	125	4	G04383	M200d
85	ITT326-5D	4			6.5	5.0	DTL	3†		0.0	12						-30	85	4	G04383	M200d
86♦#	FZH101	4	500k%	MON	7.5%	4.5*	DTL	2	10	0.0	12	310nΔ	340n†	120n†	124m§	5.0 Δ	0	70	4	G04428	M117aa
87♦#	FZH105	4	500k%	MON	7.5%	4.5*	DTL	2	10	0.0	12	310nΔ	340n†	120n†	124m§	5.0 Δ	-25	85	4	G04428	M117aa
88♦#	FZH111	4	500k%	MON	7.5%	4.5*	DTL	3†	10	0.0	12	310nΔ	340n†	170n	124m§	5.0 Δ	0	70	4	G04428a	M117aa
89♦#	FZH115	4	500k%	MON	7.5%	4.5*	DTL	3†	10	0.0	12	310nΔ	340n†	120n†	124m§	5.0 Δ	-25	85	4	G04428a	M117aa
90♦#	FZH121	4	500k%	MON	7.5%	4.5*	DTL	6Δ	10	0.0	12	310nΔ	340n†	120n†	62m§	5.0 Δ	0	70	2	G04429	M117aa
91♦#	FZH125	4	500k%	MON	7.5%	4.5*	DTL	6Δ	10	0.0	12	310nΔ	340n†	120n†	62m§	5.0 Δ	-25	85	2	G04429	M117aa
92♦#	FZH131	4	500k%	MON	7.5%	4.5*	DTL	6Δ	10	-0.0	12	310nΔ	340n†	120n†	62m§	5.0 Δ	0	70	2	G04429a	M117aa
93♦#	FZH135	4	500k%	MON	7.5%	4.5*	DTL	6Δ	10	0.0	12	310nΔ	340n†	120n†	62m§	5.0 Δ	-25	85	2	G04429a	M117aa
94♦#	FZH141	4	500k%	MON	7.5%	4.5*	DTL	6Δ	30	0.0	12	310nΔ	340n†	120n†	62m§	5.0 Δ	0	70	2	G04429a	M117aa
95♦#	FZH145	4	500k%	MON	7.5%	4.5*	DTL	6Δ	30	0.0	12	310nΔ	340n†	120n†	62m§	5.0 Δ	-25	85	2	G04429a	M117aa
96♦#	FZH191	4	500k%	MON	7.5%	4.5*	DTL	4†	10	0.0	12	175nt	340n†	120n†	108m§	5.0 Δ	0	70	3	G04446	M117aa
97♦#	FZH195	4	500k%	MON	7.5%	4.5*	DTL	4†	10	0.0	12	175nt	340n†	120n†	108m§	5.0 Δ	-25	85	3	G04446	M117aa
98♦#	FZH201	4	500k%	MON	7.5%	4.5*	DTL	2	10	0.0	12	175nt	340n†	120n†	216m§	5.0 Δ	0	70	6	G04447	M117aa
99♦#	FZH205	4	500k%	MON	7.5%	4.5*	DTL	2	10	0.0	12	175nt	340n†	120n†	216m§	5.0 Δ	-25	85	6	G04447	M117aa
100♦#	H122D1	4		MON	8.0%	6.0*	DTL	2	25	0.0	20	400nΔ			600m§	5.0 Δ	0	75	4	G03260a	M294
101♦#	H122D2	4		MON	8.0%	6.0*	DTL	2	25	0.0	16	400nΔ			384m§	5.0 Δ	-55	125	4	G03260a	M443
102♦#	H122D6	4		MON	8.0%	6.0*	DTL	2	25	0.0	16	400nΔ			384m§	5.0 Δ	-40	85	4	G03260a	M443a
103♦#	H124D1	4		MON	8.0%	6.0*	DTL	5Δ	25	0.0	20	400nΔ			300m§	5.0 Δ	0	75	2	G03260	M294
104♦#	H124D2	4		MON	8.0%	6.0*	DTL	5Δ	25	0.0	16	400nΔ			192m§	5.0 Δ	-55	125	2	G03260	M443
105♦#	H124D6	4		MON	8.0%	6.0*	DTL	5Δ	25	0.0	16	400nΔ			192m§	5.0 Δ	-40	85	2	G03260	M443a
106♦#	H222B1	4		MON	8.0%	6.0*	DTL	2	25	0.0	16	400nΔ			500m	5.0 Δ	0	75	4	G03260a	TO116
107♦#	H224B1	4		MON	8.0%	6.0*	DTL	5Δ	25	0.0	16	400nΔ			500m	5.0 Δ	0	70	2	G03260	TO116
108	324CJ	4	2.0M	MON	10.5	.50†	DTL	3Δ	1	0.0	12	110n	100n	60n	160m	5.0 Δ	-30	85	4	G04381	M172
109	326CJ	4	2.0M	MON	10.5%	.50†	DTL	3†	1	0.0	12	110n	100n	60n	160m	5.0 Δ	-30	85	4	G04383	M172
110	303CJ	4	2.0M	MON	10.5%	.80†	DTL	3Δ	1	0.0	12	140n	160n	180n	400m	5.0 Δ	-30	85	4	G04380	M172

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	301CJ	4		MON	11.3	1.2†	DTL	6Δ		0.0	12	100n					-30	85	2	G04238	M172
2	321CJ	4		MON	11.3	1.2†	DTL	3Δ	5	0.0	12	220nΔ			384m	5.0 Δ	-30	85	4	G04236	M204
3	322CJ	4		MON	11.3	1.2†	DTL	6Δ	5	0.0	12	220nΔ			96m	5.0 Δ	-30	85	2	G04236	M172
4	325CJ	4	2.0M	MON	11.3	1.2†	DTL	3†	1	0.0	12	220nΔ	90n	70n	160m	5.0 Δ	-30	85	4	G04382	M172
5	HEPC0902P-RT	4		MON	12.5%	1.5*†	DTL	2	10	0.0	15	125n			176m†		-30	75	4	G04323a	TO116
6	HEPC0904P-RT	4		MON	12.5%	1.5*†	DTL	3	10	0.0	15	125n			132m†		-30	75	3	G04323b	TO116
7	HEPC0905P-RT	4		MON	12.5%	1.5*†	DTL	5†	10	0.0	15	125n			88m†		-30	75	2	G04323	TO116
8♦	HEPC0909P-RT	4		MON	12.5%	1.5*†	DTL	2	10	0.0	15	110n	200n	100n	176m†		-30	75	4	G04468	TO116
9	MC660L,P%	4		MON	13%	1.5*	DTL	5Δ	10	0.0	15	110n	20n	20n	75m†	5.0	-30	75	2	G04322	TO116
10	MC661L,P%	4		MON	13%	1.5*	DTL	5Δ	10	0.0	15	125n	20n	20n	75m†	5.0	-30	75	2	G04323	TO116
11	MC662L,P%	4		MON	13%	1.5*†	DTL	5Δ	30	0.0	15	140n			180m†	5.0	-30	75	2	G04362	TO116
12	MC668L,P%	4		MON	13%	1.5*†	DTL	2	10	0.0	15	125n			175m†		-30	75	4	G04352c	TO116
13	MC670L,P%	4		MON	13%	1.5*†	DTL	3	10	0.0	15	125n	20n	20n	132m†		-30	75	3	G04352d	TO116
14	MC671L,P%	4		MON	13%	1.5*†	DTL	3	10	0.0	15	110n	20n	20n	132m†		-30	75	3	G04362a	TO116
15	MC672L,P%	4		MON	13%	1.5*†	DTL	2	10	0.0	15	110n			176m†		-30	75	4	G04364	TO116
16#	TL660L	4		MON	13%	1.5†*	DTL	5Δ	10	0.0	15	110n	20n	20n	75m†	5.0	-30	75	2	G04322	M157a
17#	TL660P	4		MON	13%	1.5†*	DTL	5Δ	10	0.0	15	110n	20n	20n	75m†	5.0	-30	75	2	G04322	M114f
18#	TL661L	4		MON	13%	1.5†*	DTL	5Δ	10	0.0	15	125n	20n	20n	75m†	5.0	-30	75	2	G04323	M157a
19#	TL661P	4		MON	13%	1.5†*	DTL	5Δ	10	0.0	15	125n	20n	20n	75m†	5.0	-30	75	2	G04323	M114f
20#	TL662L	4		MON	13%	1.5†*	DTL	5Δ	30	0.0	15	140n			180m†	5.0	-30	75	2	G04362	M157a
21#	TL662P	4		MON	13%	1.5†*	DTL	5Δ	30	0.0	15	140n			180m†	5.0	-30	75	2	G04362	M114f
22#	TL668L	4		MON	13%	1.5†*	DTL	2	10	0.0	15	125n			175m†		-30	75	4	G04352c	M157a
23#	TL668P	4		MON	13%	1.5*†	DTL	2	10	0.0	15	125n			175m†		-30	75	4	G04352c	M114f
24#	TL670L	4		MON	13%	1.5†*	DTL	3	10	0.0	15	125n	20n	20n	132m†		-30	75	3	G04352d	M157a
25#	TL670P	4		MON	13%	1.5†*	DTL	3	10	0.0	15	125n	20n	20n	132m†		-30	75	3	G04352d	M114f
26#	TL671L	4		MON	13%	1.5†*	DTL	3	10	0.0	15	110n	20n	20n	132m†		-30	75	3	G04362a	M157a
27#	TL671P	4		MON	13%	1.5†*	DTL	3	10	0.0	15	110n	20n	20n	132m†		-30	75	3	G04362a	M114f
28#	TL672L	4		MON	13%	1.5†*	DTL	2	10	0.0	15	110n			176m†		-30	75	4	G04364	M157a
29#	TL672P	4		MON	13%	1.5†*	DTL	2	10	0.0	15	110n			176m†		-30	75	4	G04364	M114f
30	MC1048P	4		MON	-.75	-1.6	ECT	2	25	5.2	0.0	5.0n%			130m†		0	75	4	G043k	TO116
31	MC1248F	4		MON	-.75	-1.6	ECT	2	25	5.2	0.0	5.0n%			130m†		-55	125	4	G043k	TO86
32	MC1248L	4		MON	-.75	-1.6	ECT	2	25	5.2	0.0	5.0n%			130m†		-55	125	4	G043k	TO116
33♦#	SP1048	4		MON	-.75	-1.6†	ECT	2	25	5.2	0.0	5.0n			130m†		0	75	4	G043k	M257a
34♦#	SP1248	4		MON	-.75	-1.6†	ECT	2	25	5.2	0.0	5.0n			130m†		-55	125	4	G043k	M257a
35	N1012A	4	65M		-.85	-1.8	ECT	2	25	5.2	0.0	4.5n	8.0n	8.0n	65m	400m	0	75			TO116
36	10104B	4		MON	-.96%	-1.7*†	ECT	2		5.2	0.0	2.7n	2.0n†	2.0n†	40mΔ		-30	85	4	G04481	M256
37	10104F	4		MON	-.96%	-1.7*†	ECT	2		5.2	0.0	2.7n	2.0n†	2.0n†	40mΔ		-30	85	4	G04481	M153a
38	MC9714P	4	14M%	MON			RTL	2	5Δ	0.0	3.6				145m†		15	55	4	G04389	TO116
39	MC9814P	4	14M%	MON			RTL	2	5Δ	0.0	3.6				145m†		0	75	4	G04389	TO116
40	MC9724P	4		MON		.23#*	RTL	2	4	0.0	3.6	50n%			80m†		15	55	4	G04389a	TO116
41	MC9824P	4		MON		.25#*	RTL	2	4	0.0	3.6	50n%			80m†		0	75	4	G04389a	TO116
42♦	LCE703	4	1.0M	MOH	6.0	0.0†	RTL	4		6	12	30n					-15	65	1		M45
43♦	LCE303	4	3.0M	MOH	6.0	0.0†	RTL	5		6	12	25n	44n	80n	25m		-40	100	1	G0480	CN27
44♦	LCE403	4	3.0M	MOH	6.0	0.0†	RTL	4		6	12	25n	44n	80n	25m		-40	100	1	G0481	M45
45♦	LCE503	4	5.0M	MOH	6.0	0.0†	RTL	4		6	12	25n					-30	80	1		M45
46#	GTB74S00P	4		MON			TTL	2	10	0.0	5.0	3.0n			37mΔ		0	70	4	G04377	
47#	GTB74S03P	4		MON			TTL	2	10	0.0	5.0	3.0n			37mΔ		0	70	4	G04377	
48#	GTB74S10P	4		MON			TTL	3	10	0.0	5.0	3.0n			37mΔ		0	70	3	G04377a	
49	HEPC3000P-RT	4		MON			TTL	2	10	0.0	5.0	13n			40m				4	G04387	TO116
50	HEPC3001P-RT	4		MON			TTL	2	10	0.0	5.0	35n			40m				4	G04387a	TO116
51	HEPC3010P-RT	4					TTL	3	10	0.0	5.0	13n			30m				3		TO116
52	HEPC3040P-RT	4					TTL	4	30	0.0	5.0	13n			50m				2		TO116
53	N8471A	4		MON		.35*†	TTL	3	9	0	5	150n		75n	17mΔ	1.4	0	75	3	G04342	TO116
54	N8471J	4		MON		.35*†	TTL	3	9	0	5	150n		75n	17mΔ	1.4	0	75	3	G04342	TO88
55	N8481A	4		MON		.35*†	TTL	2	9	0	5	150n		75n	17mΔ	1.4	0	75	4	G04342a	TO116
56	N8481F	4		MON		.35†*	TTL	2	9	0.0	5.0	150n		75n	17mΔ	1.4	0	75	4	G04342a	M157
57	N8481J	4		MON		.35*†	TTL	2	9	0	5	150n		75n	17mΔ	1.4	0	75	4	G04342a	TO88
58	S8471A	4		MON		.35*†	TTL	3	9	0	5	150n		75n	17mΔ	1.4	-55	125	3	G04342	TO116
59	S8471J	4		MON		.35*†	TTL	3	9	0	5	150n		75n	17mΔ	1.4	-55	125	3	G04342	TO88
60	S8481A	4		MON		.35*†	TTL	2	9	0	5	150n		75n	17mΔ	1.4	-55	125	4	G04342a	TO116
61	S8481F	4		MON		.35†*	TTL	2	9	0.0	5.0	150n		75n	17mΔ	1.4	-55	125	4	G04342a	M157
62	S8481J	4		MON		.35*†	TTL	2	9	0	5	150n		75n	17mΔ	1.4	-55	125	4	G04342a	TO88
63	MC3007F	4		MON		.40*†	TTL	3	10	0.0	5.0	8.0n			66m†		0	75	3	G04386a	TO86
64	MC3007L,P%	4		MON		.40*†	TTL	3	10	0.0	5.0	8.0n			66m†		0	75	3	G04386a	TO116
65	MC3012F	4		MON		.40*†	TTL	4	10	0.0	5.0	8.0n			44m†		0	75	2	G04386b	TO86
66	MC3012L,P%	4		MON		.40*†	TTL	4	10	0.0	5.0	8.0n			44m†		0	75	2	G04386b	TO116
67	MC3107F	4		MON		.40*†	TTL	3	10	0.0	5.0	8.0n			66m†		-55	125	3	G04386a	TO86
68	MC3107L	4		MON		.40*†	TTL	3	10	0.0	5.0	8.0n			66m†		-55	125	3	G04386a	TO116
69	MC3112F	4		MON		.40*†	TTL	4	10	0.0	5.0	8.0n			44m†		-55	125	2	G04386b	TO86
70	MC3112L	4		MON		.40*†	TTL	4	10	0.0	5.0	8.0n			44m†		-55	125	2	G04386b	TO116
71	N8881A	4		MON		.40*†	TTL	2	20	0	5	25n%Δ		50n	31mΔ	600m	0	75	4	G04233a	TO116
72	N8881J	4		MON		.40*†	TTL	2	20	0	5	25n%Δ		50n	31mΔ	600m	0	75	4	G04233a	TO88
73	S8881A	4		MON		.40*†	TTL	2	20	0	5	25n%Δ		50n	31mΔ	600m	-55	125	4	G04233a	TO116
74	S8881J	4		MON		.40*†	TTL	2	20	0	5	25n%Δ		50n	31mΔ	600m	-55	125	4	G04233a	TO88
75	SP352A	4		MON		.60†*	TTL	5Δ	18	0.0	5.0	30n			84mΔ	600mΔ	0	75	2	G04435	TO116
76	SP358A	4		MON		.60†*	TTL	2	40	0.0	5.0	50nΔ			92mΔ	300m*	0	75	4	G04436a	TO116
77#	T102D2	4		MON	1.4%	.90*	TTL	2	10	0.0	5.0	12nΔ			44m†	1.0 Δ	-55	125	4	G03250a	M294
78#	T102F2	4		MON	1.4%	.90*	TTL	2	10	0.0	5.0	12nΔ			44m†	1.0 Δ	-55	125	4	G03250a	FP28g
79#	T103D2	4		MON	1.4%	.90*	TTL	3	10	0.0	5.0	12nΔ			33m†	1.0 Δ	-55	125	3	G03250b	m294
80#	T103F2	4		MON	1.4%	.90*	TTL	3	10	0.0	5.0	12nΔ			33m†	1.0 Δ	-55	125	3	G03250b	FP28g
81#	T104D2	4		MON	1.4%	.90*	TTL	4	10	0.0	5.0	12nΔ			22m†	1.0 Δ	-55	125	2	G03250	M294
82#	T104F2	4		MON	1.4%	.90*	TTL	4	10	0.0	5.0	12nΔ			22m†	1.0 Δ	-55	125	2	G03250	FP28g
83#	T107D2	4		MON	1.4%	.90*	TTL	8	10	0.0	5.0	12nΔ			11m†	1.0 Δ	-55	125	1	G03250c	M294
84#	T107F2	4		MON	1.4%	.90*	TTL	8	10	0.0	5.0	12nΔ			11m†	1.0 Δ	-55	125	1	G03250c	FP28g
85#	T109D2	4		MON	1.4%	.90*	TTL	4	10	0.0	5.0	15nΔ			22m†	1.0 Δ	-55	125	2	G03250	M294
86#	T109F2	4		MON	1.4%	.90*	TTL	4	10	0.0	5.0	15nΔ			22m†	1.0 Δ	-55	125	2	G03250	FP28g
87#	T112D2	4		MON	1.4%	.90*	TTL	2	10	0.0	5.0	32nΔ			44m†	1.0 Δ	-55	125	4	G04330d	M294
88#	T112F2	4		MON	1.4%	.90*	TTL	2	10	0.0	5.0	32nΔ			44m†	1.0 Δ	-55	125	4	G04330d	FP28g
89	DM9002CJ	4		MON	1.6%	.85*	TTL	2		0.0	5.0	15nΔ			122m§		0	75	4	G043g	M294b
90	DM9002CN	4		MON	1.6%	.85*	TTL	2		0.0	5.0	15nΔ			122m§		0	75	4	G043g	M344
91	DM9003CJ	4		MON	1.6%	.85*	TTL	3		0.0	5.0	15nΔ			91m§		0	75	3	G043b	M294b
92	DM9003CN	4		MON	1.6%	.85*	TTL	3		0.0	5.0	15nΔ			91m§		0	75	3	G043b	M344
93	DM9004CJ	4		MON	1.6%	.85*	TTL	4		0.0	5.0	15nΔ			61m§		0	75	2	G043q	M294b
94	DM9004CN	4		MON	1.6%	.85*	TTL	4		0.0	5.0	15nΔ			61m§		0	75	2	G043q	M344
95	DM9009CJ	4		MON	1.6%	.85*	TTL	4		0.0	5.0	17nΔ			146m§		0	75	2	G043q	M294b
96	DM9009CN	4		MON	1.6%	.85*	TTL	4		0.0	5.0	17nΔ			146m§		0	75	2	G043q	M344
97	DM9012CJ	4		MON	1.6%	.85*	TTL	2		0.0	5.0	45nΔ			122m§		0	75	4	G043q	M294b
98	DM9012CN	4		MON	1.6%	.85*	TTL	2		0.0	5.0	45nΔ			122m§		0	75	4	G043q	M344
99#	T102B1	4		MON	1.6%	.85*	TTL	2	10	0.0	5.0	15nΔ			44m†	1.0 Δ	0	75	4	G03250a	M126u
100#	T102D1	4		MON	1.6%	.85*	TTL	2	10	0.0	5.0	15nΔ			44m†	1.0 Δ	0	75	4	G03250a	M294
101#	T102F1	4		MON	1.6%	.85*	TTL	2	10	0.0	5.0	15nΔ			44m†	1.0 Δ	0	75	4	G03250a	FP28g
102#	T103B1	4		MON	1.6%	.85*	TTL	3	10	0.0	5.0	15nΔ			33m†	1.0 Δ	0	75	3	G03250b	M126u

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	T103D1	4		MON	1.6%	.85*	TTL	3	10	0.0	5.0	15nΔ			33mt	1.0 Δ	0	75	3	G03250b	M294
2#	T103F1	4		MON	1.6%	.85*	TTL	3	10	0.0	5.0	15nΔ			33mt	1.0 Δ	0	75	3	G03250b	FP28g
3#	T104B1	4		MON	1.6%	.85*	TTL	4	10	0.0	5.0	15nΔ			22mt	1.0 Δ	0	75	2	G03250	M126u
4#	T104D1	4		MON	1.6%	.85*	TTL	4	10	0.0	5.0	15nΔ			22mt	1.0 Δ	0	75	2	G03250	M294
5#	T104F1	4		MON	1.6%	.85*	TTL	4	10	0.0	5.0	15nΔ			22mt	1.0 Δ	0	75	2	G03250	FP28g
6#	T107B1	4		MON	1.6%	.85*	TTL	8	10	0.0	5.0	15nΔ			11mt	1.0 Δ	0	75	1	G03250c	M126u
7#	T107D1	4		MON	1.6%	.85*	TTL	8	10	0.0	5.0	15nΔ			11mt	1.0 Δ	0	75	1	G03250c	M294
8#	T107F1	4		MON	1.6%	.85*	TTL	8	10	0.0	5.0	15nΔ			11mt	1.0 Δ	0	75	1	G03250c	FP28g
9#	T109B1	4		MON	1.6%	.85*	TTL	4	10	0.0	5.0	17nΔ			22mt	1.0 Δ	0	75	2	G03250	M126u
10#	T109D1	4		MON	1.6%	.85	TTL	4	10	0.0	5.0	17nΔ			22mt	1.0 Δ	0	75	2	G03250	M294
11#	T109F1	4		MON	1.6%	.85	TTL	4	10	0.0	5.0	17nΔ			22mt	1.0 Δ	0	75	2	G03250	FP28g
12#	T112B1	4		MON	1.6%	.85*	TTL	2	10	0.0	5.0	35nΔ			44mt	1.0 Δ	0	75	4	G04330d	M126u
13#	T112D1	4		MON	1.6%	.85*	TTL	2	10	0.0	5.0	35nΔ			44mt	1.0 Δ	0	75	4	G04330d	M294
14#	T112F1	4		MON	1.6%	.85*	TTL	2	10	0.0	5.0	35nΔ			44mt	1.0 Δ	0	75	4	G04330d	FP28g
15	9002DM	4		MON	1.7%	.90*	TTL	2	11	0.0	5.0	10nΔ			44mt		-55	125	4	G04345	M157
16	9002FM	4		MON	1.7%	.90*	TTL	2	11	0.0	5.0	10nΔ			44mt		-55	125	4	G04345	FP28b
17	9003DM	4		MON	1.7%	.90*	TTL	3	11	0.0	5.0	10nΔ			33mt		-55	125	3	G04345a	M157
18	9003FM	4		MON	1.7%	.90*	TTL	3	11	0.0	5.0	10nΔ			33mt		-55	125	3	G04345a	FP28b
19	9004DM	4		MON	1.7%	.90*	TTL	4	11	0.0	5.0	10nΔ			22mt		-55	125	2	G04345b	M157
20	9004FM	4		MON	1.7%	.90*	TTL	4	11	0.0	5.0	10nΔ			22mt		-55	125	2	G04345b	FP28b
21	9007DM	4		MON	1.7%	.90*	TTL	8	11	0.0	5.0	10nΔ			11mt		-55	125	1	G04345c	M157
22	9007FM	4		MON	1.7%	.90*	TTL	8	11	0.0	5.0	10nΔ			11mt		-55	125	1	G04345c	FP28b
23	9009DM	4		MON	1.7%	.90*	TTL	4	33	0.0	5.0	15nΔ			22mt		-55	125	2	G04345b	FP28b
24	9009FM	4		MON	1.7%	.90*	TTL	4	33	0.0	5.0	15nΔ			22mt		-55	125	2	G04345b	M157
25♦	9012DM	4			1.7%	.90*	TTL	2		0.0	5.0	45nΔ			70m%		-55	125	4	G04233b	TO116
26♦	9012FM	4			1.7%	.90*	TTL	2		0.0	5.0	45nΔ			70m%		-55	125	4	G04233b	TO86
27#	MIC9012-1D	4		MON	1.7%	.90*	TTL	2		0.0	5.0						-55	125	4		TO116
28	SNG320J	4		MON	1.7%	1.1*	TTL	3	11	0.0	5.0	6.0n			66m	1.0	-55	125	3	G0417b	M157b
29	SNG320W	4		MON	1.7%	1.1*	TTL	3	11	0.0	5.0	6.0n			66m	1.0	-55	125	3	G0417b	Δ004AF
30	SNG321J	4		MON	1.7%	1.1*	TTL	3	6	0.0	5.0	6.0n			66m	1.0	-55	125	3	G0417b	M157b
31	SNG321W	4		MON	1.7%	1.1*	TTL	3	6	0.0	5.0	6.0n			66m	1.0	-55	125	3	G0417b	Δ004AF
32	SNG322J	4		MON	1.7%	1.1*	TTL	3	9	0.0	5.0	6.0n			66m	1.0	0	75	3	G0417b	M157b
33	SNG322W	4		MON	1.7%	1.1*	TTL	3	9	0.0	5.0	6.0n			66m	1.0	0	75	3	G0417b	Δ004AF
34	SNG323J	4		MON	1.7%	1.1*	TTL	3	5	0.0	5.0	6.0n			66m	1.0	0	75	3	G0417b	M157b
35	SNG323W	4		MON	1.7%	1.1*	TTL	3	5	0.0	5.0	6.0n			66m	1.0	0	75	3	G0417b	Δ004AF
36	TRWG320#1	4	40M	MON	1.7%	1.1	TTL	3	11	0.0	5.0	6.0n			66m	1.0	-55	125	3	G0417b	M126
37	TRWG320#2	4	40M	MON	1.7%	1.1	TTL	3	11	0.0	5.0	6.0n			66m	1.0	-55	125	3	G0417b	M157
38	9002DC	4		MON	1.8%	.85*	TTL	2	10	0.0	5.0	13nΔ			44mt		0	75	4	G04345	M157
39	9002FC	4		MON	1.8%	.85*	TTL	2	10	0.0	5.0	13nΔ			44mt		0	75	4	G04345	FP28b
40	9003DC	4		MON	1.8%	.85*	TTL	3	10	0.0	5.0	13nΔ			33mt		0	75	3	G04345a	M157
41	9003FC	4		MON	1.8%	.85*	TTL	3	10	0.0	5.0	13nΔ			33mt		0	75	3	G04345a	FP28b
42	9004DC	4		MON	1.8%	.85*	TTL	4	10	0.0	5.0	13nΔ			22mt		0	75	2	G04345b	M157
43	9004FC	4		MON	1.8%	.85*	TTL	4	10	0.0	5.0	13nΔ			22mt		0	75	2	G04345b	FP28b
44	9007DC	4		MON	1.8%	.85*	TTL	8	10	0.0	5.0	13nΔ			11mt		0	75	1	G04345c	M157
45	9007FC	4		MON	1.8%	.85*	TTL	8	10	0.0	5.0	13nΔ			11mt		0	75	1	G04345c	FP28b
46	9009DC	4		MON	1.8%	.85*	TTL	4	30	0.0	5.0	17nΔ			22mt		0	75	2	G04345b	M157
47	9009FC	4		MON	1.8%	.85*	TTL	4	30	0.0	5.0	17nΔ			22mt		0	75	2	G04345b	FP28b
48♦	9012DC	4			1.8%	.85*	TTL	2		0.0	5.0	45nΔ			78m%		0	75	4	G04233b	TO116
49#	MIC9012-5D	4		MON	1.8%	.85*	TTL	2		0.0	5.0						-55	125	4		TO116
50	SN29002J	4		MON	1.8%	.85*	TTL	2		0.0	5.0	15nΔ			27n%		0	75	4	G0414	M157b
51	SN29002N	4		MON	1.8%	.85*	TTL	2		0.0	5.0	15nΔ			27n%		0	75	4	G0414	M126e
52	SN29003J	4		MON	1.8%	.85*	TTL	3		0.0	5.0	15nΔ			27n%		0	75	3	G0414a	M157b
53	SN29003N	4		MON	1.8%	.85*	TTL	3		0.0	5.0	15nΔ			27n%		0	75	3	G0414a	M126e
54	SN29004J	4		MON	1.8%	.85*	TTL	4		0.0	5.0	15nΔ			27n%		0	75	2	G0414b	M157b
55	SN29004N	4		MON	1.8%	.85*	TTL	4		0.0	5.0	15nΔ			27n%		0	75	2	G0414b	M126e
56	SN29007J	4		MON	1.8%	.85*	TTL	8		0.0	5.0	15nΔ			27n%		0	75	1	G043ba	M157b
57	SN29007N	4		MON	1.8%	.85*	TTL	8		0.0	5.0	15nΔ			27n%		0	75	1	G043ba	M126e
58	SN29009J	4		MON	1.8%	.85*	TTL	4	60	0.0	5.0	17nΔ			68m%		0	75	2	G0414b	M157b
59	SN29009N	4		MON	1.8%	.85*	TTL	4	60	0.0	5.0	17nΔ			68m%		0	75	2	G0414b	M126e
60	SN29012J	4		MON	1.8%	.85*	TTL	2		0.0	5.0	45nΔ			47n%		0	75	4	G04399a	M157b
61	SN29012N	4		MON	1.8%	.85*	TTL	2		0.0	5.0	45nΔ			47n%		0	75	4	G04399a	M126e
62	TG320F	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66mt		-55	125	3	G04191a	TO86
63	TG320J	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66mt		-55	125	3	G04191a	M157c
64	TG321F	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66mt		-55	125	3	G04191a	TO86
65	TG321J	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66mt		-55	125	3	G04191a	M157c
66	TG322F	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66mt		-55	125	3	G04191a	TO86
67	TG322J	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66mt		-55	125	3	G04191a	M157c
68	TG323F	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66mt		-55	125	3	G04191a	TO86
69	TG323J	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66mt		-55	125	3	G04191a	M157c
70	RSN54L00H	4		MON	1.9%	.80*	TTL	2		0.0	5.0	60nΔ			2.2m%		-55	125	4	G04462	FP69b
71	RSN54L10H	4		MON	1.9%	.80*	TTL	3		0.0	5.0	60nΔ			2.2m%		-55	125	3	G04462a	FP69b
72	RSN54L20H	4		MON	1.9%	.80*	TTL	4		0.0	5.0	60nΔ			2.2m%		-55	125	2	G04462b	FP69b
73	RSN54L130H	4		MON	1.9%	.80*	TTL	3		0.0	5.0				2.2m%		-55	125	2	G04462c	FP69b
74	RSN54L131H	4		MON	1.9%	.80*	TTL	4		0.0	5.0				2.2m%		-55	125	2	G04463	FP69b
75	MIC9002-5B	4		MON	1.9%	.85	TTL	2	10	0	5.5						0	75	4	G04345	TO86
76	MIC9002-5D	4		MON	1.9%	.85	TTL	2	10	0	5.5						0	75	4	G04345	TO116
77	MIC9003-5B	4		MON	1.9%	.85*	TTL	3	10	0	5.5						0	75	3	G04345a	TO86
78	MIC9003-5D	4		MON	1.9%	.85*	TTL	3	10	0	5.5						0	75	3	G04345a	TO116
79	MIC9004-5B	4		MON	1.9%	.85*	TTL	4	10	0	5.5						0	75	2	G04345b	TO86
80	MIC9004-5D	4		MON	1.9%	.85*	TTL	4	10	0	5.5						0	75	2	G04345b	TO116
81	MIC9007-5B	4		MON	1.9%	.85*	TTL	8	10	0	5.5						0	75	1	G04345c	TO86
82	MIC9007-5D	4		MON	1.9%	.85*	TTL	8	10	0	5.5						0	75	1	G04345c	TO116
83	MIC9009-5B	4		MON	1.9%	.85*	TTL	4	30	0	5.5						0	75	2	G04345b	TO86
84	MIC9009-5D	4		MON	1.9%	.85*	TTL	4	30	0	5.5						0	75	2	G04345b	TO116
85	MIC9016-5B	4		MON	1.9%	.85*	TTL	1	10	0	5.5						0	75	6	G04345d	TO86
86	MIC9016-5D	4		MON	1.9%	.85*	TTL	1	10	0	5.5						0	75	6	G04345d	TO116
87♦	MIC932-1B	4		MON	1.9%	1.1*	TTL	5Δ	25	0	5.5	80nΔ			133m	350m*	-55	125	2	G04154a	FP32
88♦	MIC932-5B	4		MON	1.9%	1.1*	TTL	5Δ	25	0	5	80nΔ			150m	350m*	0	75	2	G04154b	FP32
89♦	MIC944-1B	4		MON	1.9%	1.1*	TTL	5Δ	25	0	5.5	50nΔ			100m	350m*	-55	125	2	G0589a	FP32
90♦	MIC944-5B	4		MON	1.9%	1.1*	TTL	5Δ	25	0	5	50nΔ			100m	350m*	0	75	2	G0589a	FP32
91	566BT	4		PCB	2.0%	.45*	TTL	5	10	0.0	7.0	15n%			240mt		0	70	4		CB62
92	566HT	4		PCB	2.0%	.45*	TTL	5	12	0.0	7.0	10n%			500mt		0	70	4		CB62
93	566T	4		PCB	2.0%	.45*	TTL	5	10	0.0	7.0	13n%			240mt		0	70	4		CB62
94	502T	4	20M	PCB	2.0%	.45*	TTL	2	10	0.0	7.0	13n%	2.5nt	1.5nt	120mt		0	70	12		CB62
95	503AT	4	20M	PCB	2.0%	.45*	TTL	3	30	0.0	7.0	13n%	8.0nt	5.0nt	250mt		0	70	10		CB62
96	503T	4	20M	PCB	2.0%	.45*	TTL	3	10	0.0	7.0	13n%	8.0nt	5.0nt	100mt		0	70	10		CB62
97	504AT	4	20M	PCB	2.0%	.45*	TTL	4	30	0.0	7.0	13n%	8.0nt	5.0nt	200mt		0	70	8		CB62
98	504T	4	20M	PCB	2.0%	.45*	TTL	4	10	0.0	7.0	13n%	8.0nt	5.0nt	80mt		0	70	8		CB62
99	507T	4	20M	PCB	2.0%	.45*	TTL	2	30	0.0	7.0	13n%	2.5nt	1.5nt	300mt		0	70	12		CB62
100	508T	4	20M	PCB	2.0%	.45*	TTL	8	10	0.0	7.0	13n%			40mt		0	70	4		CB62
101	5512	4	40M	PCB	2.0%	.45*	TTL	2	12	0.0	7.0	6.0n%	2.0nt	2.5nt	264mt		0	70	12		CB62
102	5515	4	40M	PCB	2.0%	.45*	TTL	4	12	0.0	7.0	6.0n%	2.0nt	2.5nt	176mt		0	70	8		CB62
103	5515B	4	40M	PCB	2.0%	.45*	TTL	4	25	0.0	7.0	6.0n%	2.0nt	2.5nt	280mt		0	70	8		CB62
104	5517	4	40M	PCB	2.0%	.45*	TTL	2	25	0.0	7.0	6.0n%	2.0nt	2.5nt	120mt		0	70	12		CB62
105#	MIC74L03J	4		MON	2.0%	.60*	TTL	2	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	0	75	4	G04425d	TO116
106#	SFC403LE	4		MON	2.0%	.60*	TTL	2	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	0	70	4		TO116
107#	SFC403LEM	4		MON	2.0%	.60*	TTL	2	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	-55	125	4		TO116
108	SN54L01T	4		MON	2.0%	.60*	TTL	2	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	-55	125	4	G04425c	FP52e
109	SN54L03J	4		MON	2.0%	.60*	TTL	2	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	-55	125	4	G04425d	M157b
110	SN74L03J	4		MON	2.0%	.60*	TTL	2	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	0	70	4	G04425d	M157b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN74L03N	4		MON	2.0%	.60*	TTL	2	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	0	70	4	G04425d	M126e
2	DM54L00F	4		MON	2.0%	.70*	TTL	2	20	0.0	5.0	100nΔ			4.0mt		-55	125	4	G04466b	FP87a
3	DM54L00J	4		MON	2.0%	.70*	TTL	2	20	0.0	5.0	100nΔ			4.0mt		-55	125	4	G04466b	M294b
4	DM54L00N	4		MON	2.0%	.70*	TTL	2	20	0.0	5.0	100nΔ			4.0mt		-55	125	4	G04466b	M344
5	DM54L01F	4		MON	2.0%	.70*	TTL	2	20	0.0	5.0	90nΔ			4.0mt		-55	125	4	G04233a	FP87a
6	DM54L03J	4		MON	2.0%	.70*	TTL	2	20	0.0	5.0	90nΔ			4.0mt		-55	125	4	G04233b	M294b
7	DM54L03N	4		MON	2.0%	.70*	TTL	2	20	0.0	5.0	90nΔ			4.0mt		-55	125	4	G04233b	M344
8	DM54L10F	4		MON	2.0%	.70*	TTL	3	20	0.0	5.0	100nΔ			3.0mt		-55	125	3	G04466c	FP87a
9	DM54L10J	4		MON	2.0%	.70*	TTL	3	20	0.0	5.0	100nΔ			3.0mt		-55	125	3	G04466c	M294b
10	DM54L10N	4		MON	2.0%	.70*	TTL	3	20	0.0	5.0	100nΔ			3.0mt		-55	125	3	G04466c	M344
11	DM54L20F	4		MON	2.0%	.70*	TTL	4	20	0.0	5.0	100nΔ			2.0mt		-55	125	2	G04466d	FP87a
12	DM54L20J	4		MON	2.0%	.70*	TTL	4	20	0.0	5.0	100nΔ			2.0mt		-55	125	2	G04466d	M294b
13	DM54L20N	4		MON	2.0%	.70*	TTL	4	20	0.0	5.0	100nΔ			2.0mt		0	70	2	G04466d	M344
14	DM54L30F	4		MON	2.0%	.70*	TTL	8	20	0.0	5.0	90nΔ			1.0mt		-55	125	1	G04466e	FP87a
15	DM54L30J	4		MON	2.0%	.70*	TTL	8	20	0.0	5.0	90nΔ			1.0mt		-55	125	1	G04466e	M294b
16	DM54L30N	4		MON	2.0%	.70*	TTL	8	20	0.0	5.0	90nΔ			1.0mt		-55	125	1	G04466e	M344
17	DM74L00F	4		MON	2.0%	.70*	TTL	2	20	0.0	5.0	100nΔ			4.0mt		0	70	4	G04466b	FP87a
18	DM74L00J	4		MON	2.0%	.70*	TTL	2	20	0.0	5.0	100nΔ			4.0mt		0	70	4	G04466b	M294b
19	DM74L00N	4		MON	2.0%	.70*	TTL	2	20	0.0	5.0	100nΔ			4.0mt		0	70	4	G04466b	M344
20	DM74L01F	4		MON	2.0%	.70*	TTL	2	20	0.0	5.0	90nΔ			4.0mt		0	70	4	G04233a	FP87a
21	DM74L03J	4		MON	2.0%	.70*	TTL	2	20	0.0	5.0	90nΔ			4.0mt		0	70	4	G04233b	M294b
22	DM74L03N	4		MON	2.0%	.70*	TTL	2	20	0.0	5.0	90nΔ			4.0mt		0	70	4	G04233b	M344
23	DM74L10F	4		MON	2.0%	.70*	TTL	3	20	0.0	5.0	100nΔ			3.0mt		0	70	3	G04466c	FP87a
24	DM74L10J	4		MON	2.0%	.70*	TTL	3	20	0.0	5.0	100nΔ			3.0Mt		0	70	3	G04466c	M294b
25	DM74L10N	4		MON	2.0%	.70*	TTL	3	20	0.0	5.0	100nΔ			3.0mt		0	70	3	G04466c	M344
26	DM74L20F	4		MON	2.0%	.70*	TTL	4	20	0.0	5.0	100nΔ			2.0mt		0	70	2	G04466d	FP87a
27	DM74L20J	4		MON	2.0%	.70*	TTL	4	20	0.0	5.0	100nΔ			2.0mt		0	70	2	G04466d	M294b
28	DM74L20N	4		MON	2.0%	.70*	TTL	4	20	0.0	5.0	100nΔ			2.0mt		0	70	2	G04466d	M344
29	DM74L30F	4		MON	2.0%	.70*	TTL	8	20	0.0	5.0	90nΔ			1.0mt		0	70	1	G04466e	FP87a
30	DM74L30J	4		MON	2.0%	.70*	TTL	8	20	0.0	5.0	90nΔ			1.0mt		0	70	1	G04466e	M294b
31	DM74L30N	4		MON	2.0%	.70*	TTL	8	20	0.0	5.0	90nΔ			1.0mt		0	70	1	G04466e	M344
32	JANM38510/02001BAA	4		MON	2.0%	.70*	TTL	8	10	0.0	5.5	154nΔ			4.0m		-55	125	1	G04440	FP115
33	JANM38510/02001BAC	4		MON	2.0%	.70*	TTL	8	10	0.0	5.5	154nΔ			4.0m		-55	125	1	G04440	FP115
34	JANM38510/02001BCB	4		MON	2.0%	.70*	TTL	8	10	0.0	5.5	154nΔ			4.0m		-55	125	1	G04440	M314
35	JANM38510/02001BDB	4		MON	2.0%	.70*	TTL	8	10	0.0	5.5	154mΔ			4.0m		-55	125	1	G04440	FP116
36	JANM38510/02001CAA	4		MON	2.0%	.70*	TTL	8	10	0.0	5.5	154nΔ			4.0m		-55	125	1	G04440	FP115
37	JANM38510/02001CAC	4		MON	2.0%	.70*	TTL	8	10	0.0	5.5	154nΔ			4.0m		-55	125	1	G04440	FP115
38	JANM38510/02001CCB	4		MON	2.0%	.70*	TTL	8	10	0.0	5.5	154nΔ			4.0m		-55	125	1	G04440	M314
39	JANM38510/02001CDB	4		MON	2.0%	.70*	TTL	8	10	0.0	5.5	154nΔ			4.0m		-55	125	1	G04440	FP116
40	JANM38510/02002BAA	4		MON	2.0%	.70*	TTL	4	10	0.0	5.5	99nΔ			8.0m		-55	125	2	G04440a	FP115
41	JANM38510/02002BAC	4		MON	2.0%	.70*	TTL	4	10	0.0	5.5	99nΔ			8.0m		-55	125	2	G04440a	FP115
42	JANM38510/02002BCB	4		MON	2.0%	.70*	TTL	4	10	0.0	5.5	99nΔ			8.0m		-55	125	2	G04440a	M314
43	JANM38510/02002BDB	4		MON	2.0%	.70*	TTL	4	10	0.0	5.5	99nΔ			8.0m		-55	125	2	G04440a	FP116
44	JANM38510/02002CAA	4		MON	2.0%	.70*	TTL	4	10	0.0	5.5	99nΔ			8.0m		-55	125	2	G04440a	FP115
45	JANM38510/02002CAC	4		MON	2.0%	.70*	TTL	4	10	0.0	5.5	99nΔ			8.0m		-55	125	2	G04440a	FP115
46	JANM38510/02002CCB	4		MON	2.0%	.70*	TTL	4	10	0.0	5.5	99nΔ			8.0m		-55	125	2	G04440a	M314
47	JANM38510/02002CDB	4		MON	2.0%	.70*	TTL	4	10	0.0	5.5	99nΔ			8.0m		-55	125	2	G04440a	FP116
48	JANM38510/02003BAA	4		MON	2.0%	.70*	TTL	3	10	0.0	5.5	99nΔ			12m		-55	125	3	G04440b	FP115
49	JANM38510/02003BAC	4		MON	2.0%	.70*	TTL	3	10	0.0	5.5	99nΔ			12m		-55	125	3	G04440b	FP115
50	JANM38510/02003BCB	4		MON	2.0%	.70*	TTL	3	10	0.0	5.5	99nΔ			12m		-55	125	3	G04440b	M314
51	JANM38510/02003BDB	4		MON	2.0%	.70*	TTL	3	10	0.0	5.5	99nΔ			12m		-55	125	3	G04440b	FP116
52	JANM38510/02003CAA	4		MON	2.0%	.70*	TTL	3	10	0.0	5.5	99nΔ			12m		-55	125	3	G04440b	FP115
53	JANM38510/02003CAC	4		MON	2.0%	.70*	TTL	3	10	0.0	5.5	99nΔ			12m		-55	125	3	G04440b	FP115
54	JANM38510/02003CCB	4		MON	2.0%	.70*	TTL	3	10	0.0	5.5	99nΔ			12m		-55	125	3	G04440b	M314
55	JANM38510/02003CDB	4		MON	2.0%	.70*	TTL	3	10	0.0	5.5	99nΔ			12m		-55	125	3	G04440b	FP116
56	JANM38510/02004BAA	4		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G04440c	FP115
57	JANM38510/02004BAC	4		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G04440c	FP115
58	JANM38510/02004BCB	4		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G04440c	M314
59	JANM38510/02004BDB	4		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G04440c	FP116
60	JANM38510/02004CAA	4		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G04440c	FP115
61	JANM38510/02004CAC	4		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G04440c	FP115
62	JANM38510/02004CCB	4		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G04440c	M314
63	JANM38510/02004CDB	4		MON	2.0%	.70*	TTL	2	10	0.0	5.5	99nΔ			16m		-55	125	4	G04440c	FP116
64	JANM38510/02006BCB	4		MON	2.0%	.70*	TTL	2	10	0.0	5.5	140nΔ			16m		-55	125	4	G04330b	M314
65	JANM38510/02006CCB	4		MON	2.0%	.70*	TTL	2	10	0.0	5.5	140nΔ			16m		-55	125	4	G04330b	M314
66#	MIC74L00J	4		MON	2.0%	.70*	TTL	2	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	75	4	G0414	TO116
67#	MIC74L10J	4		MON	2.0%	.70*	TTL	3	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	75	3	G0414a	TO116
68#	MIC74L20J	4		MON	2.0%	.70*	TTL	4	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	75	2	G0414b	TO116
69#	MIC74L30J	4		MON	2.0%	.70*	TTL	8	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	75	1	G0414c	TO116
70	NC74L00N	4		MON	2.0%	.70*	TTL			0.0	5.0	60n			4.0mt	1.0 Δ	0	70	4	G0414	TO116
71	NC74L10N	4		MON	2.0%	.70*	TTL	3	10	0.0	5.0	600nΔ			3.0mt	1.0 Δ	0	70	3	G0414a	TO116
72	NC74L30N	4		MON	2.0%	.70*	TTL	8	10	0.0	5.0	100nΔ			1.7mt	1.0 Δ	0	70	1	G0414c	TO116
73#	SFC400LE	4		MON	2.0%	.70*	TTL	2	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	70	4	G0414	TO116
74#	SFC400LEM	4		MON	2.0%	.70*	TTL	2	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	-55	125	4	G0414	TO116
75#	SFC400LPM	4		MON	2.0%	.70*	TTL	2	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	-55	125	4	G0414	TO85
76#	SFC410LE	4		MON	2.0%	.70*	TTL	3	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	70	3	G0414a	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	SFC410LEM	4		MON	2.0%	.70*	TTL	3	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	-55	125	3	G0414a	TO116
2#	SFC410LPM	4		MON	2.0%	.70*	TTL	3	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	-25	85	3	G0414a	TO116
3#	SFC420LE	4		MON	2.0%	.70*	TTL	4	10	0.0	5.0	60nΔ				1.0mt	0	70	2	G0414b	TO116
4#	SFC420LEM	4		MON	2.0%	.70*	TTL	4	10	0.0	5.0	60nΔ				1.0mt	-55	125	2	G0414b	TO116
5#	SFC430LEM	4		MON	2.0%	.70*	TTL	8	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	-55	125	1	G0414c	TO116
6	SN54L00J	4		MON	2.0%	.70*	TTL	2	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	-55	125	4	G0414	M157b
7	SN54L00T	4		MON	2.0%	.70*	TTL	2	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	-55	125	4	G0414	FP52e
8	SN54L10J	4		MON	2.0%	.70*	TTL	3	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	-55	125	3	G0414a	M157b
9	SN54L10T	4		MON	2.0%	.70*	TTL	3	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	-55	125	3	G0414a	FP52e
10	SN54L20J	4		MON	2.0%	.70*	TTL	4	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	-55	125	2	G0414b	M157b
11	SN54L20T	4		MON	2.0%	.70*	TTL	4	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	-55	125	2	G0414b	FP52e
12	SN54L30J	4		MON	2.0%	.70*	TTL	8	10	0.0	5.0	100nΔ			1.0mt	1.0 Δ	-55	125	1	G0414c	M157b
13	SN54L30T	4		MON	2.0%	.70*	TTL	8	10	0.0	5.0	100nΔ			1.0mt	1.0 Δ	-55	125	1	G0414c	FP52e
14▼	SN54LS00J	4		MON	2.0%	.70*	TTL	2	11	0.0	5.0	20nΔ			22m	1.0 *	-55	125	4	G04469	M157b
15▼	SN54LS00W	4		MON	2.0%	.70*	TTL	2	11	0.0	5.0	20nΔ			22m	1.0 *	-55	125	4	G04469	FP97a
16▼	SN54LS01J	4		MON	2.0%Ø	.70*	TTL	2	11	0.0	5.0	32nΔ			22m	1.0 *	-55	125	4	G04482	M157b
17▼	SN54LS01W	4		MON	2.0%Ø	.70*	TTL	2	11	0.0	5.0	32nΔ			22m	1.0 *	-55	125	4	G04482	FP97a
18▼	SN54LS03J	4		MON	2.0%Ø	.70*	TTL	2	11	0.0	5.0	32nΔ			22m	1.0 *	-55	125	4	G04469	M157b
19▼	SN54LS03W	4		MON	2.0%Ø	.70*	TTL	2	11	0.0	5.0	32nΔ			22m	1.0 *	-55	125	4	G04469	FP97a
20▼	SN54LS10J	4		MON	2.0%	.70*	TTL	3	11	0.0	5.0	20nΔ			16m	1.0 *	-55	125	3	G04470	M157b
21▼	SN54LS10W	4		MON	2.0%	.70*	TTL	3	11	0.0	5.0	20nΔ			16m	1.0 *	-55	125	3	G04470	FP97a
22▼	SN54LS20J	4		MON	2.0%	.70*	TTL	4	11	0.0	5.0	20nΔ			11m	1.0 *	-55	125	2	G04471	M157b
23▼	SN54LS20W	4		MON	2.0%	.70*	TTL	4	11	0.0	5.0	20nΔ			11m	1.0 *	-55	125	2	G04471	FP97a
24▼	SN54LS22J	4		MON	2.0%Ø	.70*	TTL		11	0.0	5.0	32nΔ			11m	1.0 *	-55	125	2	G04471	M157b
25▼	SN54LS22W	4		MON	2.0%Ø	.70*	TTL		11	0.0	5.0	32nΔ			11m	1.0 *	-55	125	2	G04471	FP97a
26▼	SN54LS30J	4		MON	2.0%	.70*	TTL	8	11	0.0	5.0	35nΔ			5.5m	1.0 *	-55	125	1	G04483	M157b
27▼	SN54LS30W	4		MON	2.0%	.70*	TTL	8	11	0.0	5.0	35nΔ			5.5m	1.0 *	-55	125	1	G04483	FP97a
28▼	SN54LS37J	4		MON	2.0%	.70*	TTL	2	33	0.0	5.0	24nΔ			60m	1.0 *	-55	125	4	G04469	M157b
29▼	SN54LS37W	4		MON	2.0%	.70*	TTL	2	33	0.0	5.0	24nΔ			60m	1.0 *	-55	125	4	G04469	FP97a
30▼	SN54LS38J	4		MON	2.0%Ø	.70*	TTL	2	33	0.0	5.0	32nΔ			60m	1.0 *	-55	125	4	G04469	M157b
31▼	SN54LS38W	4		MON	2.0%Ø	.70*	TTL	2	33	0.0	5.0	32nΔ			60m	1.0 *	-55	125	4	G04469	FP97a
32▼	SN54LS40J	4		MON	2.0%	.70*	TTL	4	33	0.0	5.0	24nΔ			30m	1.0 *	-55	125	2	G04471	M157b
33▼	SN54LS40W	4		MON	2.0%	.70*	TTL	4	33	0.0	5.0	24nΔ			30m	1.0 *	-55	125	2	G04471	FP97a
34	SN74L00J	4		MON	2.0%	.70*	TTL	2	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	70	4	G0414	M157b
35	SN74L00N	4		MON	2.0%	.70*	TTL	2	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	70	4	G0414	M126e
36	SN74L10J	4		MON	2.0%	.70*	TTL	3	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	70	3	G0414a	M157b
37	SN74L10N	4		MON	2.0%	.70*	TTL	3	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	70	3	G0414a	M126e
38	SN74L20J	4		MON	2.0%	.70*	TTL	4	10	0.0	5.0	60mΔ			1.0mt	1.0 Δ	0	70	2	G0414b	M157b
39	SN74L20N	4		MON	2.0%	.70*	TTL	4	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	70	2	G0414b	M126e
40	SN74L30J	4		MON	2.0%	.70*	TTL	8	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	70	1	G0414c	M157b
41	SN74L30N	4		MON	2.0%	.70*	TTL	8	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	70	1	G0414c	M126e
42♦	6N126	4			2.0%	.80*	TTL	2		0	5.5	20nΔ					-55	125	4	G04384	TO84
43♦	6N127	4			2.0%	.80*	TTL	4		0	5.5	20nΔ					-55	125	2	G04392b	TO84
44	DM54H00J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ			84m§		-55	125	4	G04387	M294b
45	DM54H00N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ			84m§		-55	125	4	G04387	M344
46	DM54H01J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ			200m§		-55	125	4	G04330b	M294b
47	DM54H01N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ			200m§		-55	125	4	G04330b	M344
48	DM54H10J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ			150m§		-55	125	3	G04387j	M294b
49	DM54H10N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ			150m§		-55	125	3	G04387j	M344
50	DM54H20J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ			100m§		-55	125	2	G04387g	M294b
51	DM54H20N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ			100m§		-55	125	2	G04387g	M344
52	DM54H22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15nΔ			100m§		-55	125	2	G04387b	M294b
53	DM54H22N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15nΔ			100m§		-55	125	2	G04387b	M344
54	DM54H30J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	12nΔ			50m§		-55	125	1	G04387h	M294b
55	DM54H30N	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	12nΔ			50m§		-55	125	1	G04387h	M344
56	DM54H40J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			200m§		-55	125	2	G0415b	M294b
57	DM54H40N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			200m§		-55	125	2	G0415b	M344
58	DM74H00J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ			84m§		0	70	4	G04387	M294b
59	DM74H00N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ			84m§		0	70	4	G04387	M344
60	DM74H01J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ			200m§		0	70	4	G04330b	M294b
61	DM74H01N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ			200m§		0	70	4	G04330b	M344
62	DM74H10J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ			150m§		0	70	3	G04387j	M294b
63	DM74H10N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ			150m§		0	70	3	G04387j	M344
64	DM74H20J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ			100m§		0	70	2	G04387g	M294b
65	DM74H20N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ			100m§		0	70	2	G04387g	M344
66	DM74H22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15nΔ			100m§		0	70	2	G04387b	M294b
67	DM74H22N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15nΔ			100m§		0	70	2	G04387b	M344
68	DM74H30J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	12nΔ			50m§		0	70	1	G04387h	M294b
69	DM74H30N	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	12nΔ			50m§		0	70	1	G04387h	M344
70	DM74H40J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			200m§		0	70	2	G0415b	M294b
71	DM74H40N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			200m§		0	70	2	G0415b	M344
72	DM74S00N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	5.0nΔ			76mt		0	70	4	G04387	M344
73	DM74S03N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0nΔ			68mt		0	70	4	G04330b	M344
74	DM74S10N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	5.0nΔ			57mt		0	70	3	G04387j	M344
75	DM74S20N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	5.0nΔ			38mt		0	70	2	G04387g	M344
76	DM74S22N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.0nΔ			34mt		0	70	2	G04387b	M344
77	DM74S40N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	6.5nΔ			82mt		0	70	2	G0415b	M344
78	DM74S140N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	6.5nΔ			82mt		0	70	2	G0415b	M344
79	DM5400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	25nΔ			40mt	400m	-55	125	4	G04387	M344
80	DM5400N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	25nΔ			40mt	400m	-55	125	4	G04387	M344
81	DM5400W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	25nΔ			40mt	400m	-55	125	4	G04387	FP97a
82	DM5401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			102m§	400m	-55	125	4	G04330b	M294b
83	DM5401N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			102m§	400m	-55	125	4	G04330b	M344
84	DM5401W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			102m§	400m	-55	125	4	G04330c	FP97a
85	DM5403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			120m§	400m	-55	125	4	G04330b	M294b
86	DM5403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			102m§	400m	-55	125	4	G04330b	M344
87	DM5410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	25nΔ			30mt	400m	-55	125	3	G04387j	M294b
88	DM5410N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	25nΔ			30mt	400m	-55	125	3	G04387j	M344
89	DM5410W	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	25nΔ			30mt	400m	-55	125	3	G04387r	FP97a
90	DM5420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	25nΔ			20mt	400m	-55	125	2	G04387g	M294b
91	DM5420N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	25nΔ			20mt	400m	-55	125	2	G04387g	M344
92	DM5420W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	25nΔ			20mt	400m	-55	125	2	G04387g	FP97a
93	DM5430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	400m	-55	125	1	G04387h	M294b
94	DM5430N	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	400m	-55	125	1	G04387h	M344
95	DM5430W	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	400m	-55	125	1	G04387r	FP97a
96	DM5437J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			1.0 §	1.0 †	-55	125	4	G04388b	M294b
97	DM5437N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			1.0 §	1.0 †	-55	125	4	G04388b	M344
98	DM5437W	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			1.0 §	1.0 †	-55	125	4	G04388b	FP97a
99	DM5438J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			1.0 §	1.0 †	-55	125	4	G04387c	M294b
100	DM5438N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			1.0 §	1.0 †	-55	125	4	G04387c	M344
101	DM5438W	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			1.0 §	1.0 †	-55	125	4	G04387c	FP97a
102	DM5440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	25nΔ			114m§	400m	-55	125	2	G0415b	M294b
103	DM5440N	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	25nΔ			114m§	400m	-55	125	2	G0415b	M344
104	DM5440W	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	25nΔ			114m§	400m	-55	125	2	G0415b	FP97a
105	DM7091J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			230m§		-55	125	4	G0415n	M294b
106	DM7091N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			230m§		-55	125	4	G0415n	M344
107	DM7091W	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			230m§		-55	125	4	G0415n	FP97a
108	DM7092J	4		MON	2.0%	.80*	TTL	5		0.0	5.0	25nΔ			51m§		-55	125	2	G043bb	M294b
109	DM7092N	4		MON	2.0%	.80*	TTL	5		0.0	5.0	25nΔ			51m§		-55	125	2	G043bb	M344
110	DM7092W	4		MON	2.0%	.80*	TTL	5		0.0	5.0	25nΔ			51m§		-55	125	2	G043bb	FP97a

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	DM7400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	25nΔ			40mt	400m	0	70	4	G04387	M294b
2	DM7400N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	25nΔ			40mt	400m	0	70	4	G04387	M344
3	DM7401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			102m§	400m	0	70	4	G04330b	M294b
4	DM7401N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			102m§	400m	0	70	4	G04330b	M344
5	DM7403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			102m§	400m	0	70	4	G04330b	M294b
6	DM7403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			120m§	400m	0	70	4	G04330b	M344
7	DM7410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	25nΔ			30mt	400m	0	70	3	G04387j	M294b
8	DM7410N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	25nΔ			30mt	400m	0	70	3	G04387j	M344
9	DM7420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	25nΔ			20mt	400m	0	70	2	G04387g	M294b
10	DM7420N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	25nΔ			20mt	400m	0	70	2	G04387g	M344
11	DM7430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	400m	0	70	1	G04387h	M294b
12	DM7430N	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	400m	0	70	1	G04387h	M344
13	DM7437J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			1.0 §	1.0 †	0	70	4	G04388b	M294b
14	DM7437N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			1.0 §	1.0 †	0	70	4	G04388b	M344
15	DM7437W	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			1.0 §	1.0 †	0	70	4	G04388b	FP97a
16	DM7438J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			1.0 §	1.0 †	0	70	4	G04387c	M294b
17	DM7438N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			1.0 §	1.0 †	0	70	4	G04387c	M344
18	DM7438W	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			1.0 §	1.0 †	0	70	4	G04387c	FP97a
19	DM7440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	25nΔ			114m§	400m	0	70	2	G0415b	M294b
20	DM7440N	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	25nΔ			114m§	400m	0	70	2	G0415b	M344
21	DM8091J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			230m§		0	70	4	G0415n	M294b
22	DM8091N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			230m§		0	70	4	G0415n	M344
23	DM8091W	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			230m§		0	70	4	G0415n	FP97a
24	DM8092J	4		MON	2.0%	.80*	TTL	5		0.0	5.0	25nΔ			51m§		0	70	2	G043bb	M294b
25	DM8092N	4		MON	2.0%	.80*	TTL	5		0.0	5.0	25nΔ			51m§		0	70	2	G043bb	M344
26	DM8092W	4		MON	2.0%	.80*	TTL	5		0.0	5.0	25nΔ			51m§		0	70	2	G043bb	FP97a
27#	FJH101-7430	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	11n%			10mt	1.0 Δ	0	70	1	G0414c	M126f
28#	FJH111-7420	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	11n%			20mt	1.0 Δ	0	70	2	G0414b	M126f
29#	FJH121-7410	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	11n%			30mt	1.0 Δ	0	70	3	G0414a	M126f
30#	FJH131-7400	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	11n%			40mt	1.0 Δ	0	70	4	G0414	M126f
31#	FJH141-7440	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	11n%			53mt	1.0 Δ	0	70	2	G0415b	M126f
32#	FJH231-7401	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22n%			30mt	1.0 Δ	0	70	4	G04233e	M126f
33#	FJH291-7403	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22n%			30mt	1.0 Δ	0	70	4	G04233b	M126f
34#	FJH301-7426	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22n%			10mt	1.0 Δ	0	70	4	G04233b	M126f
35#	FJH311-7401	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22n%			10mt	1.0 Δ	0	70	4	G04233e	M126f
36#	FJH311-7401S1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22n%			10mt	1.0 Δ	0	70	4	G04233e	M126f
37♦#	FLH101-7400	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ		4.0nt	110m§	1.0 Δ	0	70	4	G04387k	M126p
38♦#	FLH105-8400	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ		4.0nt	110m§	1.0 Δ	-25	85	4	G04387k	M126p
39♦#	FLH111-7410	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ		4.0nt	82m§	1.0 Δ	0	70	3	G04387j	M126p
40♦#	FLH115-8410	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ		4.0nt	82m§	1.0 Δ	-25	85	3	G04387j	M126p
41♦#	FLH121-7420	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ		4.0nt	55m§	1.0 Δ	0	70	2	G04358k	M126p
42♦#	FLH125-8420	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ		4.0nt	55m§	1.0 Δ	-25	85	2	G04358k	M126p
43♦#	FLH131-7430	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ		4.0nt	30m§	1.0 Δ	0	70	1	G04387h	M126p
44♦#	FLH135-8430	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ		4.0nt	30m§	1.0 Δ	-25	85	1	G04387h	M126p
45♦#	FLH141-7440	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ		4.0nt	135m§	1.0 Δ	0	70	2	G0415m	M126p
46♦#	FLH145-8440	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ		4.0nt	135m§	1.0 Δ	-25	85	2	G0415m	M126p
47♦#	FLH201-7401	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 Δ	0	70	4	G04233e	M126p
48♦#	FLH205-8401	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 Δ	-25	85	4	G04233e	M126p
49♦#	FLH291-7403	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 Δ	0	70	4	G04233b	M126p
50#	FLH291U7426	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m§		0	70	4	G04233b	M126p
51♦#	FLH295-8403	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 Δ	-25	85	4	G04233b	M126p
52#	FLH295U8426	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m§		-25	85	4	G04233b	M126p
53♦#	FLH321-4930	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 Δ	0	70	4	G0415n	M126p
54♦#	FLH325-49830	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 Δ	-25	85	4	G0415n	M126p
55♦#	FLH331-4931	4		MON	2.0%	.80*	TTL	5	10	0.0	5.0	22nΔ			60m§	1.0 Δ	0	70	2	G04424	M126p
56♦#	FLH335-49831	4		MON	2.0%	.80*	TTL	5	10	0.0	5.0	22nΔ			60m§	1.0 Δ	-25	85	2	G04424	M126p
57♦#	FLH501-7412	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			82m§	1.0 Δ	0	70	3	G04450c	M126p
58♦#	FLH505-8412	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			82m§	1.0 Δ	-25	85	3	G04450c	M126p
59♦#	FLH531-7437	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 Δ	0	70	4	G04388b	M126p
60♦#	FLH535-8437	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 Δ	-25	85	4	G04388b	M126p
61♦#	FLH541-7438	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 Δ	0	70	4	G04387c	M126p
62♦#	FLH545-8438	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 Δ	-25	85	4	G04387c	M126p
63♦#	FLH611-7422	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			55m§	1.0 Δ	0	70	2	G04387b	M126p
64♦#	FLH615-8422	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			55m§	1.0 Δ	-25	85	2	G04387b	M126p
65▼#	GFB7400	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			40mt	400m	0	70	4	G0414	TO116
66▼#	GFB7401	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	400m	0	70	4	G04233a	TO116
67▼#	GFB7401S1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	400m	0	70	4	G04233a	TO116
68▼#	GFB7403	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	400m	0	70	4	G04399a	TO116
69▼#	GFB7410	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	13n			30mt	400m	0	70	3	G0414a	TO116
70▼#	GFB7420	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n			20mt	400m	0	70	2	G0414b	TO116
71▼#	GFB7426	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	400m	0	70	4	G04342a	TO116
72▼#	GFB7430	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	13n			10mt	400m	0	70	1	G0414c	TO116
73▼#	GFB7440	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n			52mt	400m	0	70	2	G0415b	TO116
74▼#	GJB74H00P	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13nΔ			92mt	400m	0	70	4	G03250a	M126n
75▼#	GJB74H01P	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	18nΔ			86mt	400m	0	70	4	G04330d	M126n
76▼#	GJB74H10P	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	13nΔ			69mt	400m	0	70	3	G03250b	M126n
77▼#	GJB74H20P	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13nΔ			46mt	400m	0	70	2	G03250	M126n
78▼#	GJB74H30P	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	13nΔ			23mt	400m	0	70	1	G03250e	M126n
79▼#	GJB74H40P	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	12nΔ			92mt	400m	0	70	2	G03250	M126n
80	I756	4		PCB	2.0	.80	TTL	2	10	0.0	5.0	45n			160m	1.0	0	70	16		CBⓏ
81	ITT5400J	4			2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40mt		-55	125	4	G04358f	M157
82	ITT5401J	4			2.0%	.80*	TTL	2		0.0	5.0	30nΔ			40mt		-55	125	4	G04387a	M157
83	ITT5410J	4			2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30mt		-55	125	3	G04358h	M157
84	ITT5420J	4			2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt		-55	125	2	G04358k	M157
85	ITT5430J	4			2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt		-55	125	1	G04358n	M157
86	ITT5440J	4			2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			20mt		-55	125	2	G04388a	M157
87	ITT7400J	4			2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40mt		0	70	4	G04358f	M157
88	ITT7401J	4			2.0%	.80*	TTL	2		0.0	5.0	30nΔ			40mt		0	70	4	G04387a	M157
89	ITT7403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45n%			40mt	1.0 Δ	0	70	4	G04399a	M157
90	ITT7410J	4			2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30mt		0	70	3	G04358h	M157
91	ITT7420J	4			2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt		0	70	2	G04358k	M157
92	ITT7430J	4			2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt		0	70	1	G04358n	M157
93	ITT7440J	4			2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			20mt		0	70	2	G04388a	M157
94#	M5S000P	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	3.0n%			76mt	1.0 Δ	0	75	4	G04377	M105j
95#	M5S003P	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	5.0n%			68mt	1.0 Δ	0	75	4	G04386	M105j
96#	M5S010P	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	3.0n%			57mt	1.0 Δ	0	75	3	G04377a	M105j
97#	M5S020P	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	3.0n%			76mt	1.0 Δ	0	75	2	G04377b	M105j
98#	M5S022P	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	5.0n%			68mt	1.0 Δ	0	75	2	G04386b	M105j
99♦#	M5S030P	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	7.0nΔ			19mt	300m	0	75	1	G04472	M105j
100▼#	M5S133P	4		MON	2.0%	.80*	TTL	13	10	0.0	5.0	7.0mΔ			19mt	300m	0	75	1	G04474	M105j
101#	M5310P	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	1	G04273	M105j
102#	M5320P	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	2	G04273a	M105j
103#	M5325P	4		MON	2.0%	.80*	TTL	4	30	0.0	7.0	13n%			24mt	1.0 Δ	0	75	2	G0415d	M105j
104#	M5330P	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	3	G04273b	M105j
105#	M5340P	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	4	G04273c	M105j
106	JANM38510/00101BAA	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP115

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/00101BAB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP115
2	JANM38510/00101BAC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP115
3	JANM38510/00101BCA	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430e	M314
4	JANM38510/00101BCB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430e	M314
5	JANM38510/00101BCC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430e	M314
6	JANM38510/00101BDB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP116
7	JANM38510/00101BDC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP116
8	JANM38510/00101CAA	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP115
9	JANM38510/00101CAB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP115
10	JANM38510/00101CAC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP115
11	JANM38510/00101CCA	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430e	M314
12	JANM38510/00101CCB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430e	M314
13	JANM38510/00101CCC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430e	M314
14	JANM38510/00101CDB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP116
15	JANM38510/00101CDC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP116
16	JANM38510/00102BAA	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP115
17	JANM38510/00102BAB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP115
18	JANM38510/00102BAC	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP115
19	JANM38510/00102BCA	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430f	M314
20	JANM38510/00102BCB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430f	M314
21	JANM38510/00102BCC	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430f	M314
22	JANM38510/00102BDB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP116
23	JANM38510/00102BDC	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP116
24	JANM38510/00102CAA	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP115
25	JANM38510/00102CAB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP115
26	JANM38510/00102CAC	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP115
27	JANM38510/00102CCA	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430f	M314
28	JANM38510/00102CCB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430f	M314
29	JANM38510/00102CCC	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430f	M314
30	JANM38510/00102CDB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP116
31	JANM38510/00102CDC	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP116
32	JANM38510/00103BAA	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP115
33	JANM38510/00103BAB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP115
34	JANM38510/00103BAC	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP115
35	JANM38510/00103BCA	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430g	M314
36	JANM38510/00103BCB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430g	M314
37	JANM38510/00103BCC	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430g	M314
38	JANM38510/00103BDB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP116
39	JANM38510/00103BDC	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP116
40	JANM38510/00103CAA	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP115
41	JANM38510/00103CAB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP115
42	JANM38510/00103CAC	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430g	M314
43	JANM38510/00103CCA	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430g	M314
44	JANM38510/00103CCB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430g	M314
45	JANM38510/00103CCC	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP116
46	JANM38510/00103CDB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP116
47	JANM38510/00103CDC	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430c	FP115
48	JANM38510/00104BAA	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430c	FP115
49	JANM38510/00104BAB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430c	FP115
50	JANM38510/00104BAC	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430h	M314
51	JANM38510/00104BCA	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430h	M314
52	JANM38510/00104BCB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430c	FP116
53	JANM38510/00104BCC	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430c	FP115
54	JANM38510/00104BDB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430c	FP115
55	JANM38510/00104CAA	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430c	FP115

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/00104CAB			MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430c	FP115
2	JANM38510/00104CAC																				
3	JANM38510/00104CCA			MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430c	FP115
				MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430h	M314
4	JANM38510/00104CCB			MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430h	M314
5	JANM38510/00104CCC																				
6	JANM38510/00104CDB			MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430h	M314
				MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430c	FP116
7	JANM38510/00106BCB			MON	2.0%	.80*	TTL	3	10	0.0	5.5	35nΔ			120m		-55	125	3	G04431e	M314
8	JANM38510/00106BDB																				
9	JANM38510/00106CCB			MON	2.0%	.80*	TTL	3	10	0.0	5.5	35nΔ			120m		-55	125	3	G04431e	FP116
				MON	2.0%	.80*	TTL	3	10	0.0	5.5	35nΔ			120m		-55	125	3	G04431e	M314
10	JANM38510/00106CDB			MON	2.0%	.80*	TTL	3	10	0.0	5.5	35nΔ			120m		-55	125	3	G04431e	FP116
11	JANM38510/00107BAA																				
12	JANM38510/00107BAB			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431	FP115
				MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431	FP115
13	JANM38510/00107BAC			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431	FP115
14	JANM38510/00107BCA																				
15	JANM38510/00107BCB			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431c	M314
				MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431c	M314
16	JANM38510/00107BCC			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431c	M314
17	JANM38510/00107BDB																				
18	JANM38510/00107BDC			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431	FP116
				MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431	FP116
19	JANM38510/00107CAA			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431	FP115
20	JANM38510/00107CAB																				
21	JANM38510/00107CAC			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431	FP115
				MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431	FP115
22	JANM38510/00107CCA			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431c	M314
23	JANM38510/00107CCB																				
24	JANM38510/00107CCC			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431c	M314
				MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431c	M314
25	JANM38510/00107CDB			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431	FP116
26	JANM38510/00107CDC																				
27	JANM38510/00109BCA			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431	FP116
				MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431b	M314
28	JANM38510/00109BCB			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431b	M314
29	JANM38510/00109BCC																				
30	JANM38510/00109CCA			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431b	M314
				MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431b	M314
31	JANM38510/00109CCB			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431b	M314
32	JANM38510/00109CCC																				
33	JANM38510/00301BAA			MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431b	M314
				MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	FP115
34	JANM38510/00301BAB			MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	FP115
35	JANM38510/00301BAC																				
36	JANM38510/00301BCA			MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	FP115
				MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	M314
37	JANM38510/00301BCB			MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	M314
38	JANM38510/00301BCC																				
39	JANM38510/00301BDB			MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	M314
				MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	FP116
40	JANM38510/00301BDC			MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	FP116
41	JANM38510/00301CAA																				
42	JANM38510/00301CAB			MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	FP115
				MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	FP115
43	JANM38510/00301CAC			MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	FP115
44	JANM38510/00301CCA																				
45	JANM38510/00301CCB			MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	M314
				MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	M314
46	JANM38510/00301CCC			MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	M314
47	JANM38510/00301CDB																				
48	JANM38510/00301CDC			MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	FP116
				MON	2.0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	FP116
49	JANM38510/00302BAA			MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	FP115
50	JANM38510/00302BAB																				
51	JANM38510/00302BAC			MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	FP115
				MON	2.0%	.80*	TTL	2	30	0.0	5.0	25nΔ			400m		-55	125	4	G0415a	FP115
52	JANM38510/00302BCA			MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	M314
53	JANM38510/00302BCB																				
54	JANM38510/00302BCC			MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	M314
				MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	M314
55	JANM38510/00302BDB			MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	FP116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/00302CAA	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	FP115
2	JANM38510/00302CAB	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	FP115
3	JANM38510/00302CAC	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	FP115
4	JANM38510/00302CCA	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	M314
5	JANM38510/00302CCB	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	M314
6	JANM38510/00302CCC	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	M314
7	JANM38510/00302CDB	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	FP116
8	JANM38510/00303BAA	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	FP115
9	JANM38510/00303BAB	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	FP115
10	JANM38510/00303BAC	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	FP115
11	JANM38510/00303BCA	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	M314
12	JANM38510/00303BCB	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G04330b	M314
13	JANM38510/00303BCC	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G04330b	M314
14	JANM38510/00303BDB	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G04430b	FP116
15	JANM38510/00303CAA	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	FP115
16	JANM38510/00303CAB	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	FP115
17	JANM38510/00303CAC	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	FP115
18	JANM38510/00303CCA	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	M314
19	JANM38510/00303CCB	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G04330b	M314
20	JANM38510/00303CCC	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G04330b	FP116
21	JANM38510/00303CDB	4		MON	2.0%	.80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G04330b	FP116
22	JANM38510/02301BAA	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP115
23	JANM38510/02301BAB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP115
24	JANM38510/02301BAC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP115
25	JANM38510/02301BCA	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	18nΔ			198m		-55	125	1	G04393a	M314
26	JANM38510/02301BCB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393a	M314
27	JANM38510/02301BCC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393a	M314
28	JANM38510/02301BDB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP116
29	JANM38510/02301BDC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP116
30	JANM38510/02301CAA	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP115
31	JANM38510/02301CAB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP115
32	JANM38510/02301CAC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP115
33	JANM38510/02301CCA	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	18nΔ			198m		-55	125	1	G04393a	M314
34	JANM38510/02301CCB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393a	M314
35	JANM38510/02301CCC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393a	M314
36	JANM38510/02301CDB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP116
37	JANM38510/02301CDC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP116
38	JANM38510/02302BAA	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP115
39	JANM38510/02302BAB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP115
40	JANM38510/02302BAC	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP115
41	JANM38510/02302BCA	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388a	M314
42	JANM38510/02302BCB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388a	M314
43	JANM38510/02302BDB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP116
44	JANM38510/02302BDC	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP116
45	JANM38510/02302CAA	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP115
46	JANM38510/02302CAB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP115
47	JANM38510/02302CAC	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP115
48	JANM38510/02302CCA	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388a	M314
49	JANM38510/02302CCB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388a	M314
50	JANM38510/02302CDB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP116
51	JANM38510/02302CDC	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP116
52	JANM38510/02303BAA	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP115
53	JANM38510/02303BAB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP115
54	JANM38510/02303BAC	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP115
55	JANM38510/02303BCA	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388d	M314

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/02303BCB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388d	M314
2	JANM38510/02303BCC	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388d	M314
3	JANM38510/02303BDB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP116
4	JANM38510/02303BDC	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP116
5	JANM38510/02303CAA	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP115
6	JANM38510/02303CAB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP115
7	JANM38510/02303CAC	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP115
8	JANM38510/02303CCA	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388d	M314
9	JANM38510/02303CCB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388d	M314
10	JANM38510/02303CCC	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP116
11	JANM38510/02303CDB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP116
12	JANM38510/02303CDC	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP115
13	JANM38510/02304BAA	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP115
14	JANM38510/02304BAB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP115
15	JANM38510/02304BAC	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04388b	M314
16	JANM38510/02304BCA	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04388b	M314
17	JANM38510/02304BCB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP116
18	JANM38510/02304BCC	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP116
19	JANM38510/02304BDB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP115
20	JANM38510/02304BDC	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP115
21	JANM38510/02304CAA	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP115
22	JANM38510/02304CAB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04388b	M314
23	JANM38510/02304CAC	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04388b	M314
24	JANM38510/02304CCA	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP116
25	JANM38510/02304CCB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP116
26	JANM38510/02304CCC	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP115
27	JANM38510/02304CDB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP115
28	JANM38510/02304CDC	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04388b	M314
29▼	JANM38510/02306BCA	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	21nΔ			792m		-55	125	4	G04450	M314
30	JANM38510/02306BCB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	21nΔ			792m		-55	125	4	G04450	M314
31	JANM38510/02306BDB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	21nΔ			792m		-55	125	4	G04450	FP116
32▼	JANM38510/02306CCA	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	21nΔ			792m		-55	125	4	G04450	M314
33	JANM38510/02306CCB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	21nΔ			792m		-55	125	4	G04450	M314
34	JANM38510/02306CDB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	21nΔ			792m		-55	125	4	G04450	FP116
35▼	JANM38510/02307BCA	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	21nΔ			396m		-55	125	2	G04450a	M314
36	JANM38510/02307BCB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	21nΔ			396m		-55	125	2	G04450a	M314
37▼	JANM38510/02307CCA	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	21nΔ			396m		-55	125	2	G04450a	M314
38	JANM38510/02307CCB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	21nΔ			396m		-55	125	2	G04450a	M314
39	JANM38510/02401BAA	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP115
40	JANM38510/02401BAB	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP115
41	JANM38510/02401BAC	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP115
42▼	JANM38510/02401BDB	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP116
43	JANM38510/02401CAA	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP115
44	JANM38510/02401CAB	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP115
45	JANM38510/02401CAC	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP116
46▼	JANM38510/02401CDB	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP116
47▼	JANM38510/07001BCB	4		MON	2.0%	.80*	TTL	2		0.0	5.5	9.0nΔ			198m		-55	125	4	G04484	M314
48▼	JANM38510/07001BDB	4		MON	2.0%	.80*	TTL	2		0.0	5.5	9.0nΔ			198m		-55	125	4	G04484	FP116
49▼	JANM38510/07001CCB	4		MON	2.0%	.80*	TTL	2		0.0	5.5	9.0nΔ			198m		-55	125	4	G04484	M314
50▼	JANM38510/07001CDB	4		MON	2.0%	.80*	TTL	2		0.0	5.5	9.0nΔ			198m		-55	125	4	G04484	FP116
51#	M53200P	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	4	G0414	M105j
52#	M53201P	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	4	G04233a	M105j
53#	M53203P	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	4	G04233b	M105j
54#	M53210P	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	3	G0414a	M105j
55#	M53220P	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	2	G0414b	M105j
56#	M53230P	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	1	G0414c	M105j
57#	M53237P	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			297m		0	75	4	G04388b	M105j
58#	M53238P	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			297m		0	75	4	G04387c	M105j
59#	M53240P	4		MON	2.0%	.80*	TTL	4	30	0.0	7.0	13n%			26mt	1.0 Δ	0	75	2	G0415h	M105j
60#	MIC74H00J	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	10nΔ				1.0 Δ	0	75	4	G0415a	M157

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	MIC74H01J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			80mt	1.0 Δ	0	75	4	G04386	M157
2#	MIC74H10J	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	10nΔ				1.0 Δ	0	75	3	G0415f	M157
3#	MIC74H20J	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	10nΔ				1.0 Δ	0	75	2	G0415b	M157
4#	MIC74H22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75nt	1.0 Δ	0	75	2	G04387b	TO116
5#	MIC74H30J	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	11nΔ				1.0 Δ	0	75	1	G04150a	M157
6#	MIC74H40J	4		MON	2.0%	.80*	TTL	4	0	0.0	7.0	10nΔ				1.0 Δ	0	75	2	G0415b	M157
7#	MIC5400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40mt	500m	-55	125	4	G04358f	TO116
8#	MIC5401AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-55	125	4	G04387a	TO116
9#	MIC5401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-55	125	4	G04387a	TO116
10#	MIC5403AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-55	125	4	G04358f	TO116
11#	MIC5403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-55	125	4	G04387	TO116
12#	MIC5410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30mt	500m	-55	125	3	G04358h	TO116
13#	MIC5412AJ	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	-55	125	3	G04450d	TO116
14#	MIC5412J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	-55	125	3	G04450d	TO116
15#	MIC5420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	500m	-55	125	2	G04358k	TO116
16#	MIC5426J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			40mt	500m	-55	125	4	G04358n	TO116
17♦#	MIC5430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	500m	-55	125	1	G04483	TO116
18♦#	MIC5437J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			107mt	400m*	-55	125	4	G04469	TO116
19♦#	MIC5438AJ	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			97mt	400m*	-55	125	4	G04469	TO116
20♦#	MIC5438J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			97mt	400m*	-55	125	4	G04469	TO116
21♦#	MIC5440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			53mt	500m	-55	125	2	G04471	TO116
22#	MIC6400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40mt	500m	-40	85	4	G04358f	TO116
23#	MIC6401AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-40	85	4	G04387a	TO116
24#	MIC6401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-40	85	4	G04387a	TO116
25#	MIC6403AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-40	85	4	G04358f	TO116
26#	MIC6403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-40	85	4	G04387	TO116
27#	MIC6410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30mt	500m	-40	85	3	G04358h	TO116
28#	MIC6412AJ	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	-40	85	3	G04450d	TO116
29#	MIC6412J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	-40	85	3	G04450d	TO116
30#	MIC6420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	500m	-40	85	2	G04358k	TO116
31#	MIC6426J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			40mt	500m	-40	85	4	G04358n	TO116
32#	MIC6430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	500m	-40	85	1	G04358n	TO116
33#	MIC6437J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			428mt	400m*	-40	85	4	G04388b	TO116
34#	MIC6438AJ	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			388mt	400m*	-40	85	4	G04387c	TO116
35#	MIC6438J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			388mt	400m*	-40	85	4	G04387c	TO116
36#	MIC6440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			53mt	500m	-40	85	2	G04358k	TO116
37#	MIC7400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40mt	500m	0	75	4	G04358f	TO116
38♦#	MIC7400N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40mt	500m	0	75	4	G04358f	M126x
39#	MIC7401AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	0	75	4	G04387a	TO116
40♦#	MIC7401AN	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	0	75	4	G04387a	M126x
41#	MIC7401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	0	75	4	G04387a	TO116
42♦#	MIC7401N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	0	75	4	G04387a	M126x
43#	MIC7403AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	0	75	4	G04358f	TO116
44♦#	MIC7403AN	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	0	75	4	G04358f	M126x
45#	MIC7403J	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	17n			40mt	1.0	0	75	4	G04387	M157
46♦#	MIC7403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	17n			40mt	1.0	0	75	4	G04387	M126x
47#	MIC7410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30mt	500m	0	75	3	G04358h	TO116
48♦#	MIC7410N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30mt	500m	0	75	3	G04358h	M126x
49#	MIC7412AJ	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	0	75	3	G04450d	TO116
50♦#	MIC7412AN	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	0	75	3	G04450d	M126x
51#	MIC7412J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	0	75	3	G04450d	TO116
52♦#	MIC7412N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	0	75	3	G04450d	M126x
53#	MIC7420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	500m	0	75	2	G04358k	TO116
54♦#	MIC7420N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	500m	0	75	2	G04358k	M126x
55#	MIC7426J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			40mt	500m	0	75	4	G04358n	TO116
56♦#	MIC7426N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			40mt	500m	0	75	4	G04358n	M126x
57♦#	MIC7430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	500m	0	75	1	G04483	TO116
58♦#	MIC7430N	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	500m	0	75	1	G04483	M126x
59♦#	MIC7437J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			107mt	400m*	0	75	4	G04469	TO116
60♦#	MIC7437N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			107mt	400m*	0	75	4	G04469	M126x
61♦#	MIC7438AJ	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			97mt	400m*	0	75	4	G04469	TO116
62♦#	MIC7438AN	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			97mt	400m*	0	75	4	G04469	M126x
63♦#	MIC7438J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			97mt	400m*	0	75	4	G04469	TO116
64♦#	MIC7438N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			97mt	400m*	0	75	4	G04469	M126x
65♦#	MIC7440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			53mt	500m	0	75	2	G04471	TO116
66♦#	MIC7440N	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			53mt	500m	0	75	2	G04471	M126x
67	MIC9002-1B	4		MON	2.0%	.80*	TTL	2	10	0	5.5						-55	125	4	G04345	TO86
68	MIC9002-1D	4		MON	2.0%	.80	TTL	2	10	0	5.5						-55	125	4	G04345	TO116
69	MIC9003-1B	4		MON	2.0%	.80	TTL	3	10	0	5.5						-55	125	3	G04345a	TO86
70	MIC9003-1D	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5						-55	125	3	G04345a	TO116
71	MIC9004-1B	4		MON	2.0%	.80*	TTL	4	10	0	5.5						-55	125	2	G04345b	TO86
72	MIC9004-1D	4		MON	2.0%	.80*	TTL	4	10	0	5.5						-55	125	2	G04345b	TO116
73	MIC9007-1B	4		MON	2.0%	.80*	TTL	8	10	0	5.5						-55	125	1	G04345c	TO86
74	MIC9007-1D	4		MON	2.0%	.80*	TTL	8	10	0	5.5						-55	125	1	G04345c	TO116
75	MIC9009-1B	4		MON	2.0%	.80*	TTL	4	30	0	5.5						-55	125	2	G04345b	TO86
76	MIC9009-1D	4		MON	2.0%	.80*	TTL	4	30	0	5.5						-55	125	2	G04345b	TO116
77	MIC9016-1B	4		MON	2.0%	.80*	TTL	1	10	0	5.5						-55	125	6	G04345d	TO86
78	MIC9016-1D	4		MON	2.0%	.80*	TTL	1	10	0	5.5						-55	125	6	G04345d	TO116
79	N74H00A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.2n					0	70	4	G04377	M318
80	N74H00F	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.2n					0	70	4	G04377	M200x
81	N74H01A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n					0	70	4	G04387	M318
82	N74H01F	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n					0	70	4	G04387	M200x
83	N74H10A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ			150m§		0	70	3	G04377a	M318
84	N74H10F	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ			150m§		0	70	3	G04377a	M200x
85	N74H20A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ			100m§		0	70	2	G04377b	M318
86	N74H20F	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ			100m§		0	70	2	G04377b	M200x
87	N74H22A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n			100m§		0	70	2	G04387b	M318
88	N74H22F	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n			100m§		0	70	2	G04387b	M200x
89	N74H30A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	8.9n			50m§		0	70	1	G04377g	M318
90	N74H30F	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	8.9n			50m§		0	70	1	G04377g	M200x
91	N74H30W	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	8.9n			50m§		0	70	1	G04377g	FP39e
92	N74H40A	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	8.5n			200m§		0	70	2	G04388a	M318
93	N74H40F	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	8.5n			200m§		0	70	2	G04388a	M200x
94	N74LS00A	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	25n			2mΔ		0	70	4	G04469	M318
95	N74LS00F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	25n			2mΔ		0	70	4	G04469	M235a
96	N74LS01A	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	16n			2mΔ		0	70	4	G04482	M318
97	N74LS01F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	16n			2mΔ		0	70	4	G04482	M235a
98	N74LS03A	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	16n			2mΔ		0	70	4	G04469	M318
99	N74LS03F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	16n			2mΔ		0	70	4	G04469	M235a
100	N74LS10A	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	25n			2mΔ		0	70	3	G04470	M318
101	N74LS10F	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	25n			2mΔ		0	70	3	G04470	M235a
102	N74LS20A	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	25n			2mΔ		0	70	2	G04471	M318
103	N74LS20F	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	25n			2mΔ		0	70	2	G04471	M235a
104	N74LS22A	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	16n			2mΔ		0	70	2	G04471	M318
105	N74LS22F	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	16n			2mΔ		0	70	2	G04471	M235a
106	N74LS30A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	25n			2mΔ		0	70	1	G04483	M318
107	N74LS30F	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	25n			2mΔ		0	70	1	G04483	M235a
108▼	N74S00A	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	5.0nΔ			180mt	1.0 †	0	70	4	G04377	M318
109▼	N74S00F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	5.0nΔ			180mt	1.0 †	0	70	4	G04377	M257f
110▼	N74S03A	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	5.0nΔ			180mt	1.0 †	0	70	4	G04386	M318

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	N74S03F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	5.0nΔ			180mτ	1.0 †	0	70	4	G04386	M257f
2▼	N74S10A	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0nΔ			135mτ	1.0 †	0	70	3	G04377a	M318
3▼	N74S10F	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0nΔ			135mτ	1.0 †	0	70	3	G04377a	M257f
4▼	N74S20A	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			90mτ	1.0 †	0	70	2	G04377b	M318
5▼	N74S20F	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			90mτ	1.0 †	0	70	2	G04377b	M257f
6▼	N74S22A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.5nΔ			90mτ	1.0 †	0	70	2	G04386b	M318
7▼	N74S22F	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.5nΔ			90mτ	1.0 †	0	70	2	G04386b	M257f
8	N74S37A	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	6.0n			100mΔ		0	70	4	G04464	M318
9	N74S37F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	6.0n			100mΔ		0	70	4	G04464	M200x
10	N74S38A	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	8.5n			100mΔ		0	70	4	G04464a	M318
11	N74S38F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	8.5n			100mΔ		0	70	4	G04464a	M200x
12▼	N74S40A	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	6.5nΔ			220mτ	1.0 †	0	70	2	G04377b	M318
13▼	N74S40F	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	6.5nΔ			220mτ	1.0 †	0	70	2	G04377b	M257f
14▼	N74S133B	4		MON	2.0%	.80*	TTL	13	20	0.0	5.0	7.0nΔ			50m§	1.0 †	0	70	1	G04474	M317
15▼	N74S133F	4		MON	2.0%	.80*	TTL	13	20	0.0	5.0	7.0nΔ			50m§	1.0 †	0	70	1	G04474	M200v
16▼	N74S133W	4		MON	2.0%	.80*	TTL	13	20	0.0	5.0	7.0nΔ			50m§	1.0 †	0	70	1	G04474	FP47g
17▼	N74S134B	4		MON	2.0%	.80*	TTL	13Δ	30	0.0	5.0	7.5nΔ			80m§	1.0 †	0	70	1	G04475	M317
18▼	N74S134F	4		MON	2.0%	.80*	TTL	13Δ	30	0.0	5.0	7.5nΔ			80m§	1.0 †	0	70	1	G04475	M200v
19▼	N74S134W	4		MON	2.0%	.80*	TTL	13Δ	30	0.0	5.0	7.5nΔ			80m§	1.0 †	0	70	1	G04475	FP47g
20▼	N74S140A	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	6.5nΔ			220mτ	1.0 †	0	70	2	G04377b	M318
21▼	N74S140F	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	6.5nΔ			220mτ	1.0 †	0	70	2	G04377b	M257f
22♦	N7400A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			110m§	1.0 †	0	70	4	G04387k	M318
23▼	N7400F	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			110m§	1.0 †	0	70	4	G04387k	M257f
24♦	N7401A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 †	0	70	4	G04387a	M318
25▼	N7401F	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 †	0	70	4	G04387a	M257f
26♦	N7403A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 †	0	70	4	G04387	M318
27▼	N7403F	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 †	0	70	4	G04387	M257f
28♦	N7410A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			82m§	1.0 †	0	70	3	G04387j	M318
29▼	N7410F	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			82m§	1.0 †	0	70	3	G04387j	M257f
30♦	N7420A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			55m§	1.0 †	0	70	2	G04387n	M318
31▼	N7420F	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			55m§	1.0 †	0	70	2	G04387n	M257f
32♦	N7426A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m§	1.0 †	0	70	4	G04387c	M318
33▼	N7426F	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m§	1.0 †	0	70	4	G04387c	M257f
34♦	N7430A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			30m§	1.0 †	0	70	1	G04387h	M318
35▼	N7430F	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			30m§	1.0 †	0	70	1	G04387h	M257f
36▼	N7437A	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	0	70	4	G04388b	M318
37▼	N7437F	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	0	70	4	G04388b	M257f
38▼	N7437W	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	0	70	4	G04388b	FP39e
39▼	N7438A	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	0	70	4	G04388b	M318
40▼	N7438F	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	0	70	4	G04388b	M257f
41▼	N7439A	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	0	70	4	G04387a	M318
42▼	N7439F	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	0	70	4	G04387a	M257f
43♦	N7440A	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m§	1.0 †	0	70	2	G04388a	M318
44▼	N7440F	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m§	1.0 †	0	70	2	G04388a	M257f
45	NC74H00N	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	10nΔ				1.0 Δ	0	70	4	G0415a	M126
46	NC74H01N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			80mτ	1.0 Δ	0	70	4	G04386	M126
47	NC74H10N	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	10nΔ				1.0 Δ	0	70	3	G0415f	M126
48	NC74H20N	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	10nΔ				1.0 Δ	0	70	2	G0415b	M126
49	NC74H22N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75mτ	1.0 Δ	0	70	2	G04387b	M126
50	NC74H30N	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	11nΔ				1.0 Δ	0	70	1	G04150a	M126
51	NC74H40N	4		MON	2.0%	.80*	TTL	4	30	0.0	7.0	10nΔ				1.0 Δ	0	70	2	G0415b	M126
52	NC7400N	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n			10mΔ	1.0	0	70	4		TO116
53	NC7401BN	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30n%			10mΔ	1.0 Δ	0	70	4	G04233a	TO116
54	NC7401N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30n%			10mΔ	1.0	0	70	4	G04233a	M126
55	NC7403BN	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45n%			40mτ	1.0 Δ	0	70	4	G04399a	TO116
56	NC7403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45n%			40mτ	1.0 Δ	0	70	4	G04399a	M126
57	NC7410N	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	13n			10mΔ	1.0	0	70	2		TO116
58	NC7420N	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	13n			10mΔ	1.0	0	70	2		TO116
59	NC7426N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%	1.0 Δ	0	70	4	G04342a	TO116
60	NC7430N	4		MON	2.0%	.80*	TTL	8	10	0	7	13n%			10mτ	1.0	0	70	1		TO116
61	NC7440N	4		MON	2.0%	.80*	TTL	4	30	0.0	7.0	13n			10mΔ	1.0	0	70	2		TO116
62	RSN54H00H	4		MON	2.0%	.80*	TTL	2		0.0	5.0	12nΔ			54m%		-55	125	4	G04461	FP69b
63	RSN54H10H	4		MON	2.0%	.80*	TTL	3		0.0	5.0	12nΔ			54m%		-55	125	3	G04461a	FP69b
64	RSN54H20H	4		MON	2.0%	.80*	TTL	4		0.0	5.0	12nΔ			54m%		-55	125	2	G04461b	FP69b
65	RSN54H31H	4		MON	2.0%	.80*	TTL	11		0.0	5.0	20nΔ			54m%		-55	125	1	G04461c	FP69b
66	RSN54H40H	4		MON	2.0%	.80*	TTL	4		0.0	5.0	12nΔ			135m%		-55	125	2	G04465	FP69b
67	RSN5400H	4		MON	2.0%	.80*	TTL	2		0.0	5.0	18nΔ			28m%		-55	125	4	G04461	FP69b
68	RSN5410H	4		MON	2.0%	.80*	TTL	3		0.0	5.0	18nΔ			28m%		-55	125	3	G04461a	FP69b
69	RSN5420H	4		MON	2.0%	.80*	TTL	4		0.0	5.0	18nΔ			28m%		-55	125	2	G04461b	FP69b
70	RSN5431H	4		MON	2.0%	.80*	TTL	11		0.0	5.0	25nΔ			28m%		-55	125	1	G04461c	FP69b
71	RSN5440H	4		MON	2.0%	.80*	TTL	4		0.0	5.0	18nΔ			63m%		-55	125	2	G04465	FP69b
72	S54H00A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.2n					-55	125	4	G04377	M318
73	S54H00F	4			2.0%	.80*	TTL	2	10	0.0	5.0	6.2n					-55	125	4	G04377	TO116
74	S54H00W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.2n					-55	125	4	G04377d	FP39e
75	S54H01A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n					-55	125	4	G04387	M318
76	S54H01F	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n					-55	125	4	G04387	M200x
77	S54H01W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n					-55	125	4	G04387	FP39e
78	S54H10A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ			150m§		-55	125	3	G04377a	M318
79	S54H10F	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ			150m§		-55	125	3	G04377a	M200x
80	S54H10W	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ			150m§		-55	125	3	G04377e	FP39e
81	S54H20A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ			100m§		-55	125	2	G04377b	M318
82	S54H20F	4			2.0%	.80*	TTL	4	10	0.0	5.0	7.0n			110m%		-55	125	2	G04377b	M105r
83	S54H20W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ			100m§		-55	125	2	G04377f	FP39e
84	S54H22A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n			100m§		-55	125	2	G04387b	M318
85	S54H22F	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n			100m§		-55	125	2	G04387b	M200x
86	S54H22W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n			100m§		-55	125	2	G04387b	FP39e
87	S54H30A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	8.9n			50m§		-55	125	1	G04377g	M318
88	S54H30F	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	8.9n			50m§		-55	125	1	G04377g	M200x
89	S54H30W	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	8.9n			50m§		-55	125	1	G04377g	FP39e
90	S54H40A	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	8.5n			200m§		-55	125	2	G04388a	M318
91	S54H40F	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	8.5n			200m§		-55	125	2	G04388a	M200x
92	S54H40W	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	8.5n			200m§		-55	125	2	G04388	FP39e
93▼	S54S00A	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.0nΔ			180mτ	1.0 †	-55	125	4	G04377	M318
94▼	S54S00F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.0nΔ			180mτ	1.0 †	-55	125	4	G04377	M257f
95▼	S54S00W	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.0nΔ			180mτ	1.0 †	-55	125	4	G04377	FP39e
96▼	S54S03A	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.0nΔ			180mτ	1.0 †	-55	125	4	G04386	M318
97▼	S54S03F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.0nΔ			180mτ	1.0 †	-55	125	4	G04386	M257f
98▼	S54S03W	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.0nΔ			180mτ	1.0 †	-55	125	4	G04386	FP39e
99▼	S54S10A	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0nΔ			135mτ	1.0 †	-55	125	3	G04377a	M318
100▼	S54S10F	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0nΔ			135mτ	1.0 †	-55	125	3	G04377a	M257f
101▼	S54S10W	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0nΔ			135mτ	1.0 †	-55	125	3	G04377a	FP39e
102▼	S54S20A	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			90mτ	1.0 †	-55	125	2	G04377b	M318
103▼	S54S20F	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			90mτ	1.0 †	-55	125	2	G04377b	M257f
104▼	S54S20W	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			90mτ	1.0 †	-55	125	2	G04377b	FP39e
105▼	S54S22A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.5nΔ			90mτ	1.0 †	-55	125	2	G04386b	M318
106▼	S54S22F	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.5nΔ			90mτ	1.0 †	-55	125	2	G04386b	M257f
107▼	S54S22W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.5nΔ			90mτ	1.0 †	-55	125	2	G04386b	FP39e
108	S54S37A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			100mΔ		-55	125	4	G04464	M318
109	S54S37F	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			100mΔ		-55	125	4	G04464	M200x
110	S54S37W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			100mΔ		-55	125	4	G04464	FP39e

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	S54S38A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	8.5n			100mΔ		-55	125	4	G04464a	M318
2	S54S38F	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	8.5n			100mΔ		-55	125	4	G04464a	M200x
3	S54S38W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	8.5n			100mΔ		-55	125	4	G04464a	FP39e
4▼	S54S40A	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	6.5nΔ			220m†	1.0 †	-55	125	2	G04377b	M318
5▼	S54S40F	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	6.5nΔ			220m†	1.0 †	-55	125	2	G04377b	M257f
6▼	S54S40W	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	6.5nΔ			220m†	1.0 †	-55	125	2	G04377b	FP39e
7▼	S54S133B	4		MON	2.0%	.80*	TTL	13	20	0.0	5.0	7.0nΔ			50m§	1.0 †	-55	125	1	G04474	M317
8▼	S54S133F	4		MON	2.0%	.80*	TTL	13	20	0.0	5.0	7.0nΔ			50m§	1.0 †	-55	125	1	G04474	M200v
9▼	S54S133W	4		MON	2.0%	.80*	TTL	13	20	0.0	5.0	7.0nΔ			50m§	1.0 †	-55	125	1	G04474	FP47g
10▼	S54S134B	4		MON	2.0%	.80*	TTL	13Δ	40	0.0	5.0	7.5nΔ			80m§	1.0 †	-55	125	1	G04475	M317
11▼	S54S134F	4		MON	2.0%	.80*	TTL	13Δ	40	0.0	5.0	7.5nΔ			80m§	1.0 †	-55	125	1	G04475	M200v
12▼	S54S134W	4		MON	2.0%	.80*	TTL	13Δ	40	0.0	5.0	7.5nΔ			80m§	1.0 †	-55	125	1	G04475	FP47g
13▼	S54S140A	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	6.5nΔ			220m†	1.0 †	-55	125	2	G04377b	M318
14▼	S54S140F	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	6.5nΔ			220m†	1.0 †	-55	125	2	G04377b	M257f
15▼	S54S140W	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	6.5nΔ			220m†	1.0 †	-55	125	2	G04377b	FP39e
16♦	S5400A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			110m§	1.0 †	-55	125	4	G04387k	M318
17▼	S5400F	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			110m§	1.0 †	-55	125	4	G04387k	M257f
18▼	S5400W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			110m§	1.0 †	-55	125	4	G04387k	FP39e
19♦	S5401A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 †	-55	125	4	G04387a	M318
20▼	S5401F	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 †	-55	125	4	G04387a	M257f
21▼	S5401W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 †	-55	125	4	G04387	FP39e
22♦	S5403A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 †	-55	125	4	G04387	M318
23▼	S5403F	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 †	-55	125	4	G04387	M257f
24♦	S5410A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			82m§	1.0 †	-55	125	3	G04387j	M318
25▼	S5410F	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			82m§	1.0 †	-55	125	3	G04387j	M257f
26▼	S5410W	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			82m§	1.0 †	-55	125	3	G04387p	FP39e
27♦	S5420A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			55m§	1.0 †	-55	125	2	G04387n	M318
28▼	S5420F	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			55m§	1.0 †	-55	125	2	G04387n	M257f
29▼	S5420W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			55m§	1.0 †	-55	125	2	G04387n	FP39e
30♦	S5426A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m§	1.0 †	-55	125	4	G04387c	M318
31♦	S5426F	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m§	1.0 †	-55	125	4	G04387c	M257f
32♦	S5430A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			30m§	1.0 †	-55	125	1	G04387h	M318
33▼	S5430F	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			30m§	1.0 †	-55	125	1	G04387h	M257f
34▼	S5430W	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			30m§	1.0 †	-55	125	1	G04387r	FP39e
35▼	S5437A	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	-55	125	4	G04388b	M318
36▼	S5437F	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	-55	125	4	G04388b	M257f
37▼	S5437W	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	-55	125	4	G04388b	FP39e
38▼	S5438A	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	-55	125	4	G04388b	M318
39▼	S5438F	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	-55	125	4	G04388b	M257f
40▼	S5438W	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	-55	125	4	G04388b	FP39e
41▼	S5439A	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	-55	125	4	G04387a	M318
42▼	S5439F	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			270m§	1.0 †	-55	125	4	G04387a	M257f
43♦	S5440A	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m§	1.0 †	-55	125	2	G04388a	M318
44▼	S5440F	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m§	1.0 †	-55	125	2	G04388a	M257f
45▼	S5440W	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m§	1.0 †	-55	125	2	G04388	FP39e
46#	SFC400E	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n			10mΔ	400m*	0	70	4	G0414e	TO116
47#	SFC400EM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			40m†	400m	-55	125	4	G04358f	TO116
48#	SFC400ET	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			40m†	400m	-25	85	4	G04358f	TO116
49#	SFC400EV	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			40m†	400m	-40	85	4	G04358f	TO116
50#	SFC400HE	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			40m†	400m	0	70	4	G04358f	TO116
51#	SFC400HEM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			40m†	400m	-55	125	4	G04358f	TO116
52#	SFC400HP	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			40m†	400m	0	70	4	G04358e	TO85
53#	SFC400HPM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			40m†	400m	-55	125	4	G04358c	TO85
54#	SFC400P	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			40m†	400m	0	70	4	G04358e	TO85
55#	SFC400PM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			40m†	400m	-55	125	4	G04358e	TO85
56#	SFC401AE	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0				10mΔ	400m*	0	70	4	G04233b	TO116
57#	SFC401E	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40m†	400m	0	70	4	G04387a	TO116
58#	SFC401EM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40m†	400m	-55	125	4	G04387a	TO116
59#	SFC401ET	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40m†	400m	-25	85	4	G04387a	TO116
60#	SFC401EV	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40m†	400m	-40	85	4	G04387a	TO116
61#	SFC401HE	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0n			40m†	400m	0	70	4	G04387	TO116
62#	SFC401HEM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0n			40m†	400m	0	70	4	G04387	TO116
63#	SFC401HP	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0n			40m†	400m	-55	125	4	G04387	TO85
64#	SFC401HPM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0n			40m†	400m	-55	125	4	G04387	TO85
65#	SFC401P	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40m†	400m	0	70	4	G04387	TO85
66#	SFC401PM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40m†	400m	-55	125	4	G04387	TO85
67#	SFC403E	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40m†	1.0 Δ	0	70	4	G04399b	TO116
68#	SFC403EM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40m†	1.0 Δ	-55	125	4	G04399b	TO116
69#	SFC403ET	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40m†	1.0 Δ	-25	85	4	G04399b	TO116
70#	SFC403EV	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40m†	1.0 Δ	-40	85	4	G04399b	TO116
71#	SFC410E	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	13n			10mΔ	400m*	0	70	3	G0414a	TO116
72#	SFC410EM	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	32nΔ			1.0m†	400m*	-55	125	3	G0414a	TO116
73#	SFC410ET	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	32nΔ			1.0m†	400m*	-25	85	3	G0414a	TO116
74#	SFC410HE	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	10nΔ			60m†	400m	0	70	3	G0415f	TO116
75#	SFC410HEM	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	10nΔ			60m†	400m	-55	125	3	G0415f	TO116
76#	SFC410HP	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	10nΔ			60m†	400m	0	70	3	G0415f	TO85
77#	SFC410HPM	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	10nΔ			60m†	400m	-55	125	3	G0415f	TO85
78♦#	SFC410PM	4		MON	2.0%	.80*	TTL	3	10	0	7	13n			30m†	400m	-55	125	3	G0414a	ZB165
79#	SFC420E	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	13n			10mΔ	400m*	0	70	2	G0414b	TO116
80#	SFC420EM	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			1.0m†	400m*	-55	85	2	G0414b	TO116
81#	SFC420ET	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			10m†	400m*	-25	85	2	G0414b	TO116
82♦#	SFC420HE	4		MON	2.0%	.80*	TTL	4	10	0	7	6n			40m†	400m	0	70	2	G0414b	TO116
83#	SFC420HEM	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ				1.0 Δ	-55	125	2	G0415b	TO116
84♦#	SFC420HPM	4		MON	2.0%	.80*	TTL	4	10	0	7	6n			40m†	400m	-55	125	2	G0414b	ZB165
85♦#	SFC420PM	4		MON	2.0%	.80*	TTL	4	10	0	7	13n			20m†	400m	-55	125	2	G0414b	ZB165
86#	SFC426E	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%		0	70	4		TO116
87#	SFC426EM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%		-55	125	4		TO116
88#	SFC426ET	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%		-25	85	4		TO116
89#	SFC430E	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	13n			10mΔ	400m*	0	70	1	G0414c	TO116
90#	SFC430EM	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10m†	1.0	-55	125	1	G0414c	TO116
91#	SFC430ET	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10m†	1.0	-25	85	1	G0414c	TO116
92♦#	SFC430HE	4		MON	2.0%	.80*	TTL	8	10	0	7	6n			20m†	400m	0	70	1	G0414c	TO116
93#	SFC430HEM	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	11nΔ				1.0 Δ	-55	125	1	G04150a	TO116
94♦#	SFC430HPM	4		MON	2.0%	.80*	TTL	8	10	0	7	6n			20m†	400m	-55	125	1	G0414c	ZB165
95#	SFC430LE	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	60nΔ			1.0m†	1.0 Δ	0	70	1	G0414c	TO116
96♦#	SFC430PM	4		MON	2.0%	.80*	TTL	8	10	0	7	13n			10m†	400m	-55	125	1	G0414c	ZB165
97#	SFC437E	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		0	70	4	G04388b	TO116
98#	SFC437EM	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		-55	125	4	G04388b	TO116
99#	SFC437ET	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		-25	85	4	G04388b	TO116
100#	SFC438E	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			297m		0	70	4	G04387c	TO116
101#	SFC438EM	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			297m		-55	125	4	G04387c	TO116
102#	SFC438ET	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			297m		-25	85	4	G04387c	TO116
103#	SFC440E	4		MON	2.0%	.80*	TTL	4	30	0.0	7.0	13n			27mΔ	400m*	0	70	2	G0415b	TO116
104#	SFC440EM	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m%	1.0 Δ	-55	125	2	G0415b	TO116
105#	SFC440ET	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m%	1.0 Δ	-25	85	2	G0415b	TO116
106♦#	SFC440HE	4		MON	2.0%	.80*	TTL	4	30	0	7	6n			40m†	400m	0	70	2	G0414b	TO116
107#	SFC440HEM	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	10nΔ				1.0 Δ	-55	125	2	G0415b	TO116
108♦#	SFC440HPM	4		MON	2.0%	.80*	TTL	4	30	0	7	6n			40m†	400m	-55	125	2	G0414b	ZB165
109♦#	SFC440PM	4		MON	2.0%	.80*	TTL	4	30	0	7	13n			20m†	400m	-55	125	2	G0414b	ZB165
110♦#	SFC453PM	4		MON	2.0%	.80*	TTL	8	10	0	7	13n			40m†	400m	-55	125	1		ZB165

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN54H00J	4		MON	2.0%	.80*	TTL	2	10	0	7	10nΔ				1.0 Δ	-55	125	4	G0415a	M157b
2	SN54H00N	4		MON	2.0%	.80*	TTL	2	10	0	7	10nΔ				1.0 Δ	-55	125	4	G0415a	M126
3	SN54H00W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ				1.0 Δ	-55	125	4	G0415a	Δ004AA
4	SN54H01J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			80mt	1.0 Δ	-55	125	4	G04386	M157b
5	SN54H01N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			80mt	1.0 Δ	-55	125	4	G04386	M126
6	SN54H01W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ				1.0 Δ	-55	125	4	G04386	Δ004AA
7	SN54H10J	4		MON	2.0%	.80*	TTL	3	10	0	7	10nΔ				1.0 Δ	-55	125	3	G0415f	M157b
8	SN54H10N	4		MON	2.0%	.80*	TTL	3	10	0	7	10nΔ				1.0 Δ	-55	125	3	G0415f	M126
9	SN54H10W	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ				1.0 Δ	-55	125	3	G0415f	Δ004AA
10	SN54H20J	4		MON	2.0%	.80*	TTL	4	10	0	7	10nΔ				1.0 Δ	-55	125	2	G0415b	M157b
11	SN54H20N	4		MON	2.0%	.80*	TTL	4	10	0	7	10nΔ				1.0 Δ	-55	125	2	G0415b	M126
12	SN54H20W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ				1.0 Δ	-55	125	2	G0415b	Δ004AA
13	SN54H22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75mt	1.0 Δ	-55	125	2	G04387b	M157b
14	SN54H22N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75mt	1.0 Δ	-55	125	2	G04387b	M126
15	SN54H22W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0nΔ				1.0 Δ	-55	125	2	G04387b	Δ004AA
16	SN54H30J	4		MON	2.0%	.80*	TTL	8	10	0	7	11nΔ				1.0 Δ	-55	125	1	G04150a	M157b
17	SN54H30N	4		MON	2.0%	.80*	TTL	8	10	0	7	11nΔ				1.0 Δ	-55	125	1	G04150a	M126
18	SN54H30W	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	11nΔ				1.0 Δ	-55	125	1	G04150a	Δ004AA
19	SN54H40J	4		MON	2.0%	.80*	TTL	4	30	0	7	10nΔ				1.0 Δ	-55	125	2	G0415b	M157b
20	SN54H40N	4		MON	2.0%	.80*	TTL	4	30	0	7	10nΔ				1.0 Δ	-55	125	2	G0415b	M126
21	SN54H40W	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	10nΔ				1.0 Δ	-55	125	2	G0415b	Δ004AA
22	SN54LS12J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	32nΔ			16m§		-55	125	3	G04450d	M157b
23	SN54LS12W	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	32nΔ			16m§		-55	125	3	G04450d	Δ004AA
24	SN54LS26J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			22m§		-55	125	4	G04330b	M157b
25	SN54LS26W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			22m§		-55	125	4	G04330b	Δ004AA
26	SN54S00J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	3.0n			76mt	1.0 Δ	-55	125	4	G04377	M157b
27	SN54S00N	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	3.0n			76mt	1.0 Δ	-55	125	4	G04377	M126e
28	SN54S00W	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	3.0n			76mt	1.0 Δ	-55	125	4	G04377	Δ004AA
29	SN54S03J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	5.0n			68mt	1.0 Δ	-55	125	4	G04386	M157b
30	SN54S03N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.5nΔ			68mt	1.0 Δ	-55	125	4	G04386	M126e
31	SN54S03W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.5nΔ			68mt	1.0 Δ	-55	125	4	G04386	Δ004AA
32	SN54S10J	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	3.0n			57mt	1.0 Δ	-55	125	3	G04377a	M157b
33	SN54S10W	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	3.0n			57mt	1.0 Δ	-55	125	3	G04377a	Δ004AA
34	SN54S20J	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	3.0n			38mt	1.0 Δ	-55	125	2	G04377b	M157b
35	SN54S20N	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			38mt	1.0 Δ	-55	125	2	G04377b	M126e
36	SN54S20W	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			38mt	1.0 Δ	-55	125	2	G04377b	Δ004AA
37	SN54S22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	5.0n			34mt	1.0 Δ	-55	125	2	G04386b	M157b
38	SN54S22N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.5nΔ			34mt	1.0 Δ	-55	125	2	G04386b	M126e
39	SN54S22W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.5nΔ			34mt	1.0 Δ	-55	125	2	G04386b	Δ004AA
40	SN54S37J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	6.5nΔ			400m§	1.0 Δ	-55	125	4	G04464a	M157b
41	SN54S37W	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	6.5nΔ			400m§	1.0 Δ	-55	125	4	G04464a	Δ004AA
42	SN54S38J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	10nΔ			400m§	1.0 Δ	-55	125	4	G04464	M157b
43	SN54S38W	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	10nΔ			400m§	1.0 Δ	-55	125	4	G04464	Δ004AA
44	SN54S40J	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	-55	125	2	G04377b	M157b
45	SN54S40N	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	-55	125	2	G04377b	M126e
46	SN54S40W	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	-55	125	2	G04377b	Δ004AA
47	SN54S133J	4		MON	2.0%	.80*	TTL	13	10	0.0	5.0	7.0nΔ			19mt	300m	-55	125	1	G04474	M153d
48	SN54S133W	4		MON	2.0%	.80*	TTL	13	10	0.0	5.0	7.0nΔ			19mt	300m	-55	125	1	G04474	Δ004AG
49	SN54S134J	4		MON	2.0%	.80*	TTL	12	10	0.0	5.0	7.5nΔ			45mt	300m	-55	125	1	G04475	M153d
50	SN54S134W	4		MON	2.0%	.80*	TTL	12	10	0.0	5.0	7.5nΔ			45mt	300m	-55	125	1	G04475	Δ004AG
51	SN54S140J	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	-55	125	2	G04377b	M157b
52	SN54S140N	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	-55	125	2	G04377b	M126e
53	SN54S140W	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	-55	125	2	G04377b	Δ004AA
54	SN74H00J	4		MON	2.0%	.80*	TTL	2	10	0	7	10nΔ				1.0 Δ	0	70	4	G0415a	M157b
55	SN74H00N	4		MON	2.0%	.80*	TTL	2	10	0	7	10nΔ				1.0 Δ	0	70	4	G0415a	M126e
56	SN74H00W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ			90mt	1.0 Δ	0	70	4	G0415a	T084
57	SN74H01J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			80mt	1.0 Δ	0	70	4	G04386	M157b
58	SN74H01N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			80mt	1.0 Δ	0	70	4	G04386	M126e
59	SN74H01W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			90mt	1.0 Δ	0	70	4	G04386	T084
60	SN74H10J	4		MON	2.0%	.80*	TTL	3	10	0	7	10nΔ				1.0 Δ	0	70	3	G0415f	M157b
61	SN74H10N	4		MON	2.0%	.80*	TTL	3	10	0	7	10nΔ				1.0 Δ	0	70	3	G0415f	M126e
62	SN74H10W	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ			80mt	1.0 Δ	0	70	4	G0415f	T084
63	SN74H20J	4		MON	2.0%	.80*	TTL	4	10	0	7	10nΔ				1.0 Δ	0	70	2	G0415b	M157b
64	SN74H20N	4		MON	2.0%	.80*	TTL	4	10	0	7	10nΔ				1.0 Δ	0	70	2	G0415b	M126e
65	SN74H20W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ			62mt	1.0 Δ	0	70	3	G0415b	T084
66	SN74H22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75mt	1.0 Δ	0	70	2	G04387b	M157b
67	SN74H22N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75mt	1.0 Δ	0	70	2	G04387b	M126e
68	SN74H22W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75mt	1.0 Δ	0	70	2	G04387b	T084
69	SN74H30J	4		MON	2.0%	.80*	TTL	8	10	0	7	11nΔ				1.0 Δ	0	70	1	G04150a	M157b
70	SN74H30N	4		MON	2.0%	.80*	TTL	8	10	0	7	11nΔ				1.0 Δ	0	70	1	G04150a	M126e
71	SN74H30W	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	11nΔ			22mt	1.0 Δ	0	70	1	G04150a	T084
72	SN74H40J	4		MON	2.0%	.80*	TTL	4	30	0	7	10nΔ				1.0 Δ	0	70	2	G0415b	M157b
73	SN74H40N	4		MON	2.0%	.80*	TTL	4	30	0	7	10nΔ				1.0 Δ	0	70	2	G0415b	M126e
74	SN74H40W	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	10nΔ			90mt	1.0 Δ	0	70	2	G0415b	T084
75▼	SN74LS00J	4		MON	2.0%	.80*	TTL	2	22	0.0	5.0	20nΔ			22m	1.0 *	0	70	4	G04469	M157b
76▼	SN74LS00N	4		MON	2.0%	.80*	TTL	2	22	0.0	5.0	20nΔ			22m	1.0 *	0	70	4	G04469	M126e
77▼	SN74LS01J	4		MON	2.0%Ø	.80*	TTL	2	22	0.0	5.0	32nΔ			22m	1.0 *	0	70	4	G04482	M157b
78▼	SN74LS01N	4		MON	2.0%Ø	.80*	TTL	2	22	0.0	5.0	32nΔ			22m	1.0 *	0	70	4	G04482	M126e
79▼	SN74LS03J	4		MON	2.0%Ø	.80*	TTL	2	22	0.0	5.0	32nΔ			22m	1.0 *	0	70	4	G04469	M157b
80▼	SN74LS03N	4		MON	2.0%Ø	.80*	TTL	2	22	0.0	5.0	32nΔ			22m	1.0 *	0	70	4	G04469	M126e
81▼	SN74LS10J	4		MON	2.0%	.80*	TTL	3	22	0.0	5.0	20nΔ			16m	1.0 *	0	70	3	G04470	M157b
82▼	SN74LS10N	4		MON	2.0%	.80*	TTL	3	22	0.0	5.0	20nΔ			16m	1.0 *	0	70	3	G04470	M126e
83	SN74LS12J	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	32nΔ			16m§		0	70	3	G04450d	M157b
84	SN74LS12N	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	32nΔ			16m§		0	70	3	G04450d	M126e
85▼	SN74LS20J	4		MON	2.0%	.80*	TTL	4	22	0.0	5.0	20nΔ			11m	1.0 *	0	70	2	G04471	M157b
86▼	SN74LS20N	4		MON	2.0%	.80*	TTL	4	22	0.0	5.0	20nΔ			11m	1.0 *	0	70	2	G04471	M126e
87▼	SN74LS22J	4		MON	2.0%Ø	.80*	TTL		22	0.0	5.0	32nΔ			11m	1.0 *	0	70	2	G04471	M157b
88▼	SN74LS22N	4		MON	2.0%Ø	.80*	TTL		22	0.0	5.0	32nΔ			11m	1.0 *	0	70	2	G04471	M127e
89	SN74LS26J	4		MON	2.0%	.80*	TTL	2	5	0.0	5.0	32nΔ			22m§		0	70	4	G04330b	M157b
90	SN74LS26N	4		MON	2.0%	.80*	TTL	2	5	0.0	5.0	32nΔ			22m§		0	70	4	G04330b	M126e
91▼	SN74LS30J	4		MON	2.0%	.80*	TTL	8	22	0.0	5.0	35nΔ			5.5m	1.0 *	0	70	1	G04483	M157b
92▼	SN74LS30N	4		MON	2.0%	.80*	TTL	8	22	0.0	5.0	35nΔ			5.5m	1.0 *	0	70	1	G04483	M126e
93▼	SN74LS37J	4		MON	2.0%	.80*	TTL	2	66	0.0	5.0	24nΔ			60m	1.0 *	0	70	4	G04469	M157b
94▼	SN74LS37N	4		MON	2.0%	.80*	TTL	2	66	0.0	5.0	24nΔ			60m	1.0 *	0	70	4	G04469	M126e
95▼	SN74LS38J	4		MON	2.0%Ø	.80*	TTL	2	66	0.0	5.0	32nΔ			60m	1.0 *	0	70	4	G04469	M157b
96▼	SN74LS38N	4		MON	2.0%Ø	.80*	TTL	2	66	0.0	5.0	32nΔ			60m	1.0 *	0	70	4	G04469	M126e
97▼	SN74LS40J	4		MON	2.0%	.80*	TTL	4	66	0.0	5.0	24nΔ			30m	1.0 *	0	70	2	G04471	M157b
98▼	SN74LS40N	4		MON	2.0%	.80*	TTL	4	66	0.0	5.0	24nΔ			30m	1.0 *	0	70	2	G04471	M126e
99	SN74S00J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	3.0n			76mt	1.0 Δ	0	70	4	G04377	M157b
100	SN74S00N	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	3.0n			76mt	1.0 Δ	0	70	4	G04377	M126e
101	SN74S00W	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	3.0n			76mt	1.0 Δ	0	70	4	G04377	Δ004AA
102	SN74S03J	4		MON	2.0	.80*	TTL	2	10	0.0	5.0	5.0n			68mt	1.0 Δ	0	70	4	G04386	M157b
103	SN74S03N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.5nΔ			68mt	1.0 Δ	0	70	4	G04386	M126e
104	SN74S03W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.5nΔ			68mt	1.0 Δ	0	70	4	G04386	Δ004AA
105	SN74S10J	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	3.0n			57mt	1.0 Δ	0	70	3	G04377a	M157b
106	SN74S10N	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	3.0n			57mt	1.0 Δ	0	70	3	G04377a	M126e
107	SN74S10W	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	3.0n			57mt	1.0 Δ	0	70	3	G04377a	Δ004AA
108	SN74S20J	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	3.0n			38mt	1.0 Δ	0	70	2	G04377b	M157b
109	SN74S20N	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			38mt	1.0 Δ	0	70	2	G04377b	M126e
110	SN74S20W	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			38mt	1.0 Δ	0	70	2	G04377b	Δ004AA

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN74S22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	5.0n			34m†	1.0 Δ	0	70	2	G04386b	M157b
2	SN74S22N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.5nΔ			34m†	1.0 Δ	0	70	2	G04386b	M126e
3	SN74S22W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.5nΔ			34m†	1.0 Δ	0	70	2	G04386b	Δ004AA
4	SN74S37J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	6.5nΔ			400m§	1.0 Δ	0	70	4	G04464a	M157b
5	SN74S37N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	6.5nΔ			400m§	1.0 Δ	0	70	4	G04464a	M126e
6	SN74S38J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	10nΔ			400m§	1.0 Δ	0	70	4	G04464	M157b
7	SN74S38N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	10nΔ			400m§	1.0 Δ	0	70	4	G04464	M126e
8	SN74S40J	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	0	70	2	G04377b	M157b
9	SN74S40N	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	0	70	2	G04377b	M126e
10	SN74S40W	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	0	70	2	G04377b	Δ004AA
11	SN74S133J	4		MON	2.0%	.80*	TTL	13	10	0.0	5.0	7.0nΔ			19m†	300m	0	70	1	G04474	M153d
12	SN74S133N	4		MON	2.0%	.80*	TTL	13	10	0.0	5.0	7.0nΔ			19m†	300m	0	70	1	G04474	M117x
13	SN74S134J	4		MON	2.0%	.80*	TTL	12	10	0.0	5.0	7.5nΔ			45m†	300m	0	70	1	G04475	M153d
14	SN74S134N	4		MON	2.0%	.80*	TTL	12	10	0.0	5.0	7.5nΔ			45m†	300m	0	70	1	G04475	M117x
15	SN74S140J	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	0	70	2	G04377b	M157b
16	SN74S140N	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	0	70	2	G04377b	M126e
17	SN74S140W	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	0	70	2	G04377b	Δ004AA
18	SN5400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	22n			10mΔ	1.0	-55	125	4	G0414	M157b
19	SN5400N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	22n			10mΔ	1.0	-55	125	4		M75a
20	SN5400W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22n%			40m†	1.0 Δ	-55	125	4	G0414	Δ004AA
21	SN5401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	1.0 Δ	-55	125	4	G04233a	M157b
22	SN5401N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	30nΔ			10mΔ	1.0	-55	125	4		M75a
23	SN5401W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	1.0 Δ	-55	125	4	G04233a	Δ004AA
24	SN5403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	1.0 Δ	-55	125	4	G04399a	M157b
25	SN5403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	1.0 Δ	-55	125	4	G04399a	M126
26	SN5403W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	1.0 Δ	-55	125	4	G04399a	Δ004AA
27	SN5410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			10mΔ	1.0	-55	125	3	G0414a	M157a
28	SN5410N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	22n			10mΔ	1.0	-55	125	3		M75a
29	SN5412J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			82m§		-55	125	3	G04450d	M157b
30	SN5412N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			82m§		-55	125	3	G04450d	M126e
31	SN5412W	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			82m§		-55	125	3	G04450d	Δ004AA
32	SN5420N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	22n			10mΔ	1.0	-55	125	2		M75a
33	SN5422J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			55m%	1.0 Δ	-55	125	2	G04387b	M157b
34	SN5422W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	45nΔ			55m%	1.0 Δ	-55	125	2	G04387b	Δ004AA
35	SN5426J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%		-55	125	4	G04342a	M157b
36	SN5426N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%		-55	125	4	G04342a	M126a
37	SN5426W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%		-55	125	4	G04342a	Δ004AA
38	SN5430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10m†	1.0 Δ	-55	125	1	G0414c	M157b
39	SN5430N	4		MON	2.0%	.80*	TTL	8	10	0	5.5	22n%			10m†	1.0	-55	125	1		M75a
40	SN5430W	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22n%			10m†	1.0 Δ	-55	125	1	G0414c	Δ004AA
41	SN5437J	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		-55	125	4	G04388b	M157b
42	SN5437N	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		-55	125	4	G04388b	M126e
43	SN5437W	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		-55	125	4	G04388b	Δ004AA
44	SN5438J	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		-55	125	4	G04387c	M157b
45	SN5438N	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		-55	125	4	G04387c	M126e
46	SN5438W	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		-55	125	4	G04387c	Δ004AA
47	SN5440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m%	1.0 Δ	-55	125	2	G0415b	M157b
48	SN5440N	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m%	1.0 Δ	-55	125	2	G0415b	M126e
49	SN5440W	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m%	1.0 Δ	-55	125	2	G0415b	Δ004AA
50#	SN6400N	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	22n%			10m†	1.0	-40	85	4	G0414	M126
51#	SN6401AN	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30n%			10mΔ	1.0	-40	85	4	G04233a	M75a
52#	SN6401N	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	30n%			10m†	1.0	-40	85	4	G04233a	M126
53#	SN6403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30n%			10mΔ	1.0	-40	85	4	G04233b	M75a
54#	SN6410N	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	22n%			10m†	1.0	-40	85	3	G0414a	M126
55#	SN6420N	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	22n%			10m†	1.0	-40	85	2	G0414b	M126
56#	SN6430N	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	22n%			10m†	1.0	-40	85	1	G0414c	M126
57#	SN6440N	4		MON	2.0%	.80*	TTL	4	30	0.0	7.0	13n%			27m†	1.0	-40	85	2	G0415	M75a
58	SN7400J	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	22n			10mΔ	1.0	0	70	4	G0414	M157b
59	SN7400N	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	22n			10mΔ	1.0	0	70	4	G0414	M126e
60	SN7401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	1.0 Δ	0	70	4	G04233a	M157b
61	SN7401N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30n%			10mΔ	1.0	0	70	4	G04233a	M126e
62	SN7403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45n%			40m†	1.0 Δ	0	70	4	G04399a	M157b
63	SN7403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45n%			40m†	1.0 Δ	0	70	4	G04399a	M126e
64	SN7410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22n			10mΔ	1.0	0	70	3	G0414a	M157b
65	SN7410N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22n			10mΔ	1.0	0	70	3	G0414a	M126e
66	SN7412J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			82m§		0	70	3	G04450d	M157b
67	SN7412N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			82m§		0	70	3	G04450d	M126e
68	SN7412W	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			82m§		0	70	3	G04450d	Δ004AA
69	SN7420N	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	22n			10mΔ	1.0	0	70	2	G0414b	M126e
70	SN7422J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	35n			55m%	1.0 Δ	0	70	2	G04387b	M157b
71	SN7422N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	35n			55m%	1.0 Δ	0	70	2	G04387b	M126e
72	SN7426J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%		0	70	4	G04342a	M157b
73	SN7426N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%		0	70	4	G04342a	M126e
74	SN7430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10m†	1.0 Δ	0	70	1	G0414c	M157b
75	SN7430N	4		MON	2.0%	.80*	TTL	8	10	0	7	22n%			10m†	1.0	0	70	1	G0414c	M126e
76	SN7437J	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		0	70	4	G04388b	M157b
77	SN7437N	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		0	70	4	G04388b	M126e
78	SN7437W	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		0	70	4	G04388b	TO84
79	SN7438J	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		0	70	4	G04387c	M157b
80	SN7438N	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		0	70	4	G04387c	M126e
81	SN7438W	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		0	70	4	G04387c	TO84
82	SN7440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m%	1.0 Δ	0	70	2	G0415b	M157b
83	SN7440N	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m%	1.0 Δ	0	70	2	G0415b	M126e
84	SN7440W	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m%	1.0 Δ	0	70	2	G0415b	Δ004AA
85	SW7400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.25	22n%			40m	1.0	0	70	4	G04358f	M114
86	SW7400N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.25	22n%			10m	1.0	0	70	4	G04358f	M105n
87	SW7401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.25	30n%			10m	1.0	0	70	4	G04233a	M114
88	SW7401N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.25	30n%			10m	1.0	0	70	4	G04233a	M105n
89	SW7403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.25	30n%			10m	1.0	0	70	4	G04233b	M114
90	SW7403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.25	30n%			10m	1.0	0	70	4	G04233b	M105n
91	SW7408N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		0	70	4	G04414	M126a
92	SW7410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.25	22n%			10mΔ	1.0	0	70	3	G0414a	M114
93	SW7410N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.25	22n%			10mΔ	1.0	0	70	3	G0414a	M105n
94	SW7420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.25	22n%			10mΔ	1.0	0	70	2	G0414b	M114
95	SW7420N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.25	22n%			10mΔ	1.0	0	70	2	G0414b	M105n
96	SW7426N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%		0	70		G04342a	M105n
97	SW7430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.25	22n%			10mΔ	1.0	0	70	1	G0414c	M114
98	SW7430N	4		MON	2.0%	.80*	TTL	8	10	0.0	5.25	22n%			10mΔ	1.0	0	70	1	G0414c	M105n
99	SW7437J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			297m		0	70	4	G04388b	TO116
100	SW7437N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			297m		0	70	4	G04388b	M105n
101	SW7438J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			297m		0	70	4	G04388c	TO116
102	SW7438N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			297m		0	70	4	G04388c	M105n
103	SW7440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.25	13n%			27mΔ	1.0	0	70	2	G0415b	M114
104	SW7440N	4		MON	2.0%	.80*	TTL	4	30	0.0	5.25	13n%			27mΔ	1.0	0	70	2	G0415b	M105n
105#	T74H00B1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			90m	1.0 Δ	0	70			
106#	T74H00D1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			90m	1.0 Δ	0	70			
107#	T74H00D2	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			90m	1.0 Δ	-55	125			
108#	T74H10B1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			70m	1.0 Δ	0	70			
109#	T74H10D1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			70m	1.0 Δ	0	70			
110#	T74H10D2	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			70m	1.0 Δ	-55	125			

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	T74H20B1	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.0n			50m	1.0 Δ	0	70			
2#	T74H20D1	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.0n			50m	1.0 Δ	0	70			
3#	T74H20D2	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.0n			50m	1.0 Δ	-55	125			
4#	T74H40B1	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	8.0n			90m	1.0 Δ	0	70			
5#	T74H40D1	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	8.0n			90m	1.0 Δ	0	70			
6#	T74H40D2	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	8.0n			90m	1.0 Δ	-55	125			
7#	T7400B1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40mt	1.0 Δ	0	70	4	G043as	M126u
8#	T7400D1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40mt	1.0 Δ	0	70	4	G043as	M294
9#	T7400D2	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40mt	1.0 Δ	-55	125	4	G043as	M294
10#	T7401B1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	1.0 Δ	0	70	4	G043az	M126u
11#	T7401D1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	1.0 Δ	0	70	4	G043az	M294
12#	T7401D2	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	1.0 Δ	-55	125	4	G043az	M294
13#	T7403B1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45uΔ			40mt	1.0 Δ	0	70	4	G043g	M126u
14#	T7403D1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	1.0 Δ	0	70	4	G043g	M294
15#	T7403D2	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	1.0 Δ	-55	125	4	G043g	M294
16#	T7408D1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			270m§		0	70	4	G04478	M294d
17#	T7408D2	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			270m§		-55	125	4	G04478	M294d
18#	T7409D1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			270m§		0	70	4	G04478	M294d
19#	T7409D2	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			270m§		-55	125	4	G04478	M294d
20#	T7410B1	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30mt	1.0 Δ	0	70	3	G043b	M126u
21#	T7410D1	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30mt	1.0 Δ	0	70	3	G043b	M294
22#	T7410D2	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30mt	1.0 Δ	-55	125	3	G043b	M294
23#	T7420B1	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	1.0 Δ	0	70	2	G043s	M126u
24#	T7420D1	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	1.0 Δ	0	70	2	G043s	M294
25#	T7420D2	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	1.0 Δ	-55	125	2	G043s	M294
26#	T7426B1	4		MON	2.0%	.80	TTL	2	10	0.0	5.0	24nΔ			150m§		0	70	4	G043as	M126u
27#	T7426D1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			150m§		0	70	4	G043as	M294
28#	T7426D2	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			150m§		-55	125	4	G043as	M294
29#	T7430B1	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	1.0 Δ	0	70	1	G043ay	M126u
30#	T7430D1	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	1.0 Δ	0	70	1	G043ay	M294
31#	T7430D2	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	1.0 Δ	-55	125	1	G043ay	M294
32#	T7440B1	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	1.0 Δ	0	70	2	G043s	M126u
33#	T7440D1	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	1.0 Δ	0	70	2	G043s	M294
34#	T7440D2	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	1.0 Δ	-55	125	2	G043s	M294
35	TG54S00F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	5.0nΔ			180m§		-55	125	4	G04377	TO86
36	TG54S00J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	5.0nΔ			180m§		-55	125	4	G04377	M157c
37	TG54S01F	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.5nΔ			45m§		-55	125	4	G04386	TO86
38	TG54S01J	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.5nΔ			45m§		-55	125	4	G04386	M157c
39	TG54S03F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			45m§		-55	125	4	G04386	TO86
40	TG54S03J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			45m§		-55	125	4	G04386	M157c
41	TG54S10F	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0nΔ			120m§		-55	125	3	G04377a	TO86
42	TG54S10J	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0nΔ			120m§		-55	125	3	G04377a	M157c
43	TG54S20F	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			90m§		-55	125	2	G04377c	TO86
44	TG54S20J	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			90m§		-55	125	2	G04377c	M157c
45	TG54S22F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			45m§		-55	125	2	G04386b	TO86
46	TG54S22J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			45m§		-55	125	2	G04386b	M157c
47	TG54S30F	4		MON	2.0%	.80*	TTL	8	20	0.0	5.0	7.0nΔ			45m§		-55	125	1	G04377g	TO86
48	TG54S30J	4		MON	2.0%	.80*	TTL	8	20	0.0	5.0	7.0nΔ			45m§		-55	125	1	G04377g	M157c
49	TG54S40F	4		MON	2.0%	.80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	-55	125	2	G04386b	Δ004AA
50	TG54S40J	4		MON	2.0%	.80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	-55	125	2	G04386b	M157b
51	TG54S140F	4		MON	2.0%	.80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	-55	125	2	G04377b	Δ004AA
52	TG54S140J	4		MON	2.0%	.80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	-55	125	2	G04377b	M157b
53	TG74S00F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	5.0nΔ			180m§		0	70	4	G04377	TO86
54	TG74S00J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	5.0nΔ			180m§		0	70	4	G04377	M157c
55	TG74S01F	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.5nΔ			45m§		0	70	4	G04386	TO86
56	TG74S01J	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.5nΔ			45m§		0	70	4	G04386	M157c
57	TG74S03F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			45m§		0	70	4	G04386	TO86
58	TG74S03J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			45m§		0	70	4	G04386	M157c
59	TG74S10F	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0nΔ			120m§		0	70	3	G04377a	TO86
60	TG74S10J	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0nΔ			120m§		0	70	3	G04377a	M157c
61	TG74S20F	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			90m§		0	70	2	G04377c	TO86
62	TG74S20J	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			90m§		0	70	2	G04377c	M157c
63	TG74S22F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			45m§		0	70	2	G04386b	TO86
64	TG74S22J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			45m§		0	70	2	G04386b	M157c
65	TG74S30F	4		MON	2.0%	.80*	TTL	8	20	0.0	5.0	7.0nΔ			45m§		0	70	1	G04377g	TO86
66	TG74S30J	4		MON	2.0%	.80*	TTL	8	20	0.0	5.0	7.0nΔ			45m§		0	70	1	G04377g	M157c
67	TG74S40F	4		MON	2.0%	.80	TTL	4	60	0.0	5.0	7.5n			110m	1.0	0	70	2	G04377b	Δ004AA
68	TG74S40J	4		MON	2.0%	.80	TTL	4	60	0.0	5.0	5.0n			110m	1.0	0	70	2	G04377b	M157b
69	TG74S140F	4		MON	2.0%	.80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	0	70	2	G04377b	Δ004AA
70	TG74S140J	4		MON	2.0%	.80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	0	70	2	G04377b	M157b
71#	TL7400N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			78mt		0	70	4	G04387k	M126n
72#	TL7401N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			78mt		0	70	4	G04450b	M126n
73#	TL7403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			78mt		0	70	4	G04399b	M126n
74#	TL7410N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			58mt		0	70	3	G04387j	M126n
75#	TL7412N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			58mt		0	70	3	G04450c	M126n
76#	TL7420N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			39mt		0	70	2	G04387g	M126n
77#	TL7426N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			78mt		0	70	4	G04330b	M126n
78#	TL7430N	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			21mt		0	70	1	G04387b	M126n
79#	TL7437N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			182mt		0	70	4	G04388b	M126n
80#	TL7438N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			163mt		0	70	4	G04387c	M126n
81#	TL7440N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			183mt		0	70	2	G04388a	M126n
82	TRW7400#1	4		MON	2.0%	.80	TTL	2	10	0.0	7.0	22n	80n		10m	1.0	0	70	4	G0414	M157
83	TRW7400#2	4		MON	2.0%	.80	TTL	2	10	0.0	7.0	22n	80n		10m	1.0	0	70	4	G0414	M126
84	TRW7401#1	4		MON	2.0%	.80	TTL	2	10	0.0	5.0	45n			40m	1.0	0	70	4	G04233a	M126
85	TRW7401#2	4		MON	2.0%	.80	TTL	2	10	0.0	5.0	45n			40m	1.0	0	70	4	G04233a	M157
86	TRW7403#1	4		MON	2.0%	.80	TTL	2	10	0.0	5.0	45n			40mt	1.0	0	70	4	G04399a	M126
87	TRW7403#2	4		MON	2.0%	.80	TTL	2	10	0.0	5.0	45n			40mt	1.0	0	70	4	G04399a	M157
88	TRW7408#1	4		MON	2.0%	.80	TTL	2	10	0.0	5.0	27n			130n%		0	70	4	G0414a	M126
89	TRW7408#2	4		MON	2.0%	.80	TTL	2	10	0.0	5.0	27n			130n%		0	70	4	G0414a	M157
90	TRW7410#1	4		MON	2.0%	.80	TTL	3	10	0.0	5.0	22n			30mt	1.0	0	70	3	G0414a	M126
91	TRW7410#2	4		MON	2.0%	.80	TTL	3	10	0.0	5.0	22n			30mt	1.0	0	70	3	G0414a	M157
92	TRW7420#1	4		MON	2.0%	.80	TTL	4	10	0.0	5.0	22n			20mt	1.0	0	70	2	G0414b	M126
93	TRW7420#2	4		MON	2.0%	.80	TTL	4	10	0.0	5.0	22n			20mt	1.0	0	70	2	G0414b	M157
94	TRW7430#1	4		MON	2.0%	.80	TTL	8	10	0.0	5.0	22n			10mt	1.0	0	70	1	G0414c	M126
95	TRW7430#2	4		MON	2.0%	.80	TTL	8	10	0.0	5.0	22n			10mt	1.0	0	70	1	G0414c	M157
96	TRW7437#1	4		MON	2.0%	.80	TTL	2		0.0	5.0	22n			297m		0	70	4	G04388	M126
97	TRW7437#2	4		MON	2.0%	.80	TTL	2		0.0	5.0	22n			297m		0	70	4	G04388	M157
98	TRW7438#1	4		MON	2.0%	.80	TTL	2		0.0	5.0	22n			135m%	1.0	0	70	2	G0415b	M126
99	TRW7438#2	4		MON	2.0%	.80	TTL	2		0.0	5.0	22n			135m%	1.0	0	70	2	G0415b	M157
100	US54H00A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	4	G0415a	M105b
101	US54H00J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	4	G0415a	TO88
102	US54H01A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ	45n	10n	80mt	1.0 Δ	-55	125	4	G04387	M105b
103	US54H01J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ	45n	10n	80mt	1.0 Δ	-55	125	4	G04387	TO88
104	US54H10A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	3	G0415f	M105b
105	US54H10J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	3	G0415f	TO88
106	US54H20A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	2	G0415b	M105b
107	US54H20J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	2	G0415b	TO88
108	US54H22A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	18nΔ	45n	10n	75mt	1.0 Δ	-55	125	2	G04387b	M105b
109	US54H22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	18nΔ	45n	10n	75mt	1.0 Δ	-55	125	2	G04387b	TO88
110	US54H30A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	12nΔ	10n	10n		1.0 Δ	-55	125	1	G04150a	M105b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	US54H30J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	12nΔ	10n	10n		1.0 Δ	-55	125	1	G04150a	TO88
2	US54H37A	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	9.0n			140mt	1.0 Δ	-55	125	4	G0415a	M105b
3	US54H37J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	9.0n			140mt	1.0 Δ	-55	125	4	G0415a	TO88
4	US54H40A	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	12nΔ	25n	10n		1.0 Δ	-55	125	2	G0415b	M105b
5	US54H40J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	12nΔ	25n	10n		1.0 Δ	-55	125	2	G0415b	TO88
6	US74H00A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	4	G0415a	M105b
7	US74H00J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	4	G0415a	TO88
8	US74H01A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ	45n	10n	80mt	1.0 Δ	0	70	4	G04387	M105b
9	US74H01J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ	45n	10n	80mt	1.0 Δ	0	70	4	G04387	TO88
10	US74H10A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	3	G0415f	M105b
11	US74H10J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	3	G0415f	TO88
12	US74H20A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	2	G0415b	M105b
13	US74H20J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	2	G0415b	TO88
14	US74H22A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	18nΔ	45n	10n	75mt	1.0 Δ	0	70	2	G04387b	M105b
15	US74H22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	18nΔ	45n	10n	75mt	1.0 Δ	0	70	2	G04387b	TO88
16	US74H30A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	12nΔ	10n	10n		1.0 Δ	0	70	1	G04150a	M105b
17	US74H30J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	12nΔ	10n	10n		1.0 Δ	0	70	1	G04150a	TO88
18	US74H37A	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	9.0n			140mt	1.0 Δ	0	70	4	G0415a	M105b
19	US74H37J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	9.0n			140mt	1.0 Δ	0	70	4	G0415a	TO88
20	US74H40A	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	12nΔ	25n	10n		1.0 Δ	0	70	2	G0415b	M105b
21	US74H40J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	12nΔ	25n	10n		1.0 Δ	0	70	2	G0415b	TO88
22	US5400A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			-55	125	4	G04358f	M105b
23	US5400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			-55	125	4	G04358e	TO88
24	US5401A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	11n	40n	12n			-55	125	4	G04387a	M105b
25	US5401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	11n	40n	12n			-55	125	4	G04387	TO88
26	US5403A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	11n	40n	12n			-55	125	4	G04387b	M105b
27	US5409A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ	40n	12n			-55	125	4	G04401	M105b
28	US5409J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ	40n	12n			-55	125	4	G04401	TO88
29	US5410A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10n	18n	8.0n			-55	125	3	G04358h	M105b
30	US5410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10n	18n	8.0n			-55	125	3	G04358g	TO88
31	US5420A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n	18n	8.0n			-55	125	2	G04358k	M105b
32	US5420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n	18n	8.0n			-55	125	2	G04358j	TO88
33	US5426A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n			40mt	1.0 Δ	-55	125	4	G04387a	M105b
34	US5430A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			-55	125	1	G04358n	M105b
35	US5430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			-55	125	1	G04358m	TO88
36	US5438A	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	15n			85mt	1.0 Δ	-55	125	4	G04387	M105b
37	US5440A	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	10n	18n	8.0n			-55	125	2	G04388a	M105b
38	US5440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	10n	18n	8.0n			-55	125	2	G04388	TO88
39	US7400A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			0	70	4	G04358f	M105b
40	US7400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			0	70	4	G04358e	TO88
41	US7401A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	11n	40n	12n			0	70	4	G04387a	M105b
42	US7401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	11n	40n	12n			0	70	4	G04387	TO88
43	US7403A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	11n	40n	12n			0	70	4	G04387b	M105b
44	US7409A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ	40n	12n			0	70	4	G04401	M105b
45	US7409J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ	40n	12n			0	70	4	G04401	TO88
46	US7410A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10n	18n	8.0n			0	70	3	G04358h	M105b
47	US7410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10n	18n	8.0n			0	70	3	G04358g	TO88
48	US7420A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n	18n	8.0n			0	70	2	G04358k	M105b
49	US7420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n	18n	8.0n			0	70	2	G04358j	TO88
50	US7426A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n			40mt	1.0 Δ	0	70	4	G04387a	M105b
51	US7430A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			0	70	1	G04358n	M105b
52	US7430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			0	70	1	G04358m	TO88
53	US7438A	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	15n			85mt	1.0 Δ	0	70	4	G04387	M105b
54	US7438J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	15n			85mt	1.0 Δ	0	70	4	G04387	TO88
55	US7440A	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	10n	18n	8.0n			0	70	2	G04388a	M105b
56	US7440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	10n	18n	8.0n			0	70	2	G04388	TO88
57#	ZN5403E	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	1.0 Δ	-55	125	4	G04399a	TO116
58#	ZN5403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	1.0 Δ	-55	125	4	G04399a	M257e
59#	ZN5412E	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			82m§	1.0 Δ	-55	125	3	G04450d	TO116
60#	ZN5412J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			82m§	1.0 Δ	-55	125	3	G04450d	M257e
61#	ZN5437E	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			297m	1.0 Δ	-55	125	4	G04388b	TO116
62#	ZN5437J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			297m	1.0 Δ	-55	125	4	G04388b	M257e
63#	ZN5438E	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			297m	1.0 Δ	-55	125	4	G04387c	TO116
64#	ZN5438J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			297m	1.0 Δ	-55	125	4	G04387c	M257e
65#	ZN7403E	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	1.0 Δ	0	70	4	G04399a	TO116
66#	ZN7403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	1.0 Δ	0	70	4	G04399a	M257e
67#	ZN7412E	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			82m§	1.0 Δ	0	70	3	G04450d	TO116
68#	ZN7412J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			82m§	1.0 Δ	0	70	3	G04450d	M257e
69#	ZN7437E	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			297m	1.0 Δ	0	70	4	G04388b	TO116
70#	ZN7437J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			297m	1.0 Δ	0	70	4	G04388b	M257e
71#	ZN7438E	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			297m	1.0 Δ	0	70	4	G04387c	TO116
72#	ZN7438J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			297m	1.0 Δ	0	70	4	G04387c	M257e
73	HEPC3020P-RT	4		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	13n			20mt				2	G04387g	TO116
74	HEPC3030P-RT	4		MON	2.4%	.40*†	TTL	8	10	0.0	5.0	13n			10mt				1	G04387h	TO116
75	MC2111F	4		MON	2.4%	.40*†	TTL	9Δ	11	0.0	5.0	11n%	4.5n	3.0n	22mt		-55	125	1	G04358a	TO86
76	MC2111L	4		MON	2.4%	.40*†	TTL	9Δ	11	0.0	5.0	11n%	4.5n	3.0n	22mt		-55	125	1	G04358a	TO116
77	MC2161F	4		MON	2.4%	.40*†	TTL	9Δ	6	0.0	5.0	11n%	4.5n	3.0n	22mt		-55	125	1	G04358a	TO86
78	MC2161L	4		MON	2.4%	.40*†	TTL	9Δ	6	0.0	5.0	11n%	4.5n	3.0n	22mt		-55	125	1	G04358a	TO116
79	MC3000F	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	6.0n			88mt		0	75	4	G04377	TO86
80	MC3000L,P%	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	6.0n			88mt		0	75	4	G04377	TO116
81	MC3004F	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	8.0n			88mt		0	75	4	G04386	TO86
82	MC3004L,P%	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	8.0n			88mt		0	75	4	G04386	TO116
83	MC3100F	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	6.0n			88mt		-55	125	4	G04377	TO86
84	MC3100L	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	6.0n			88mt		-55	125	4	G04377	TO116
85	MC3104F	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	8.0n			88mt		-55	125	4	G04386	TO86
86	MC3104L	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	8.0n			88mt		-55	125	4	G04386	TO116
87	MC3105F	4		MON	2.4%	.40*†	TTL	3	10	0.0	5.0	6.0n			66mt		-55	125	3	G04377a	TO86
88	MC3105L	4		MON	2.4%	.40*†	TTL	3	10	0.0	5.0	6.0n			66mt		-55	125	3	G04377a	TO116
89	MC3110F	4		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	6.0n			44mt		-55	125	2	G04377b	TO86
90	MC3110L	4		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	6.0n			44mt		-55	125	2	G04377b	TO116
91	MC3115F	4		MON	2.4%	.40*†	TTL	8	10	0.0	5.0	8.0n			22mt		-55	125	1	G04377b	TO86
92	MC3115L	4		MON	2.4%	.40*†	TTL	8	10	0.0	5.0	8.0n			22mt		-55	125	1	G04377b	TO116
93	MC3116F	4		MON	2.4%	.40*†	TTL	8	10	0.0	5.0	8.0n			22mt		-55	125	1	G04377g	TO86
94	MC3116L	4		MON	2.4%	.40*†	TTL	8	10	0.0	5.0	8.0n			22mt		-55	125	1	G04377g	TO116
95	MC3124F	4		MON	2.4%	.40*†	TTL	4	30	0.0	5.0	6.0n			90mt		-55	125	2	G04377b	TO86
96	MC3124L	4		MON	2.4%	.40*†	TTL	4	30	0.0	5.0	6.0n			90mt		-55	125	2	G04377b	TO116
97	MC3125F	4		MON	2.4%	.40*†	TTL	4	20	0.0	5.0	6.0n			70mt		-55	125	2	G04377b	TO86
98	MC3125L	4		MON	2.4%	.40*†	TTL	4	20	0.0	5.0	6.0n			70mt		-55	125	2	G04377b	TO116
99	MC5437F	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50mt		-55	125	4	G04388b	TO86
100	MC5437L	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50mt		-55	125	4	G04388b	TO116
101	MC5438F	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50mt		-55	125	4	G04450	TO86
102	MC5438L	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50mt		-55	125	4	G04450	TO116
103	MC7437F	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50mt		0	70	4	G04388b	TO86
104	MC7437L,P%	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50mt		0	70	4	G04388b	TO116
105	MC7438F	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50mt		0	70	4	G04450	TO86
106	MC7438L,P%	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50m%		0	70	4	G04450	TO116
107	MCB5400F	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	10n			40mt		-55	125	4	G04425b	TO86
108	MCB5401F	4		MON	2.4	.40	TTL	2	10	0.0	5.0	45nΔ			40mt		-55	125	4	G04330c	FP77

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MCB5410F	4		MON	2.4	.40	TTL	3	10	0.0	5.0	10n			30mt		-55	125	3	G04358g	FP77
2	MCB5420F	4		MON	2.4	.40	TTL	4	10	0.0	5.0	10n			20mt		-55	125	2	G04358j	FP77
3	MCB5430F	4		MON	2.4	.40	TTL	8	10	0.0	5.0	10n			10mt		-55	125	1	G04358m	FP77
4	MCB5440F	4		MON	2.4%	.40*†	TTL	4	30	0.0	5.0	13n			50mt		-55	125	2	G04426a	TO86
5	MCBC5400	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	10n			40mt		-55	125	4	G04425b	FC1
6	MCBC5401	4		MON	2.4	.40	TTL	2	10	0.0	5.0	45nΔ			40mt		-55	125	4	G04330c	FC1
7	MCBC5410	4		MON	2.4	.40	TTL	3	10	0.0	5.0	10n			30mt		-55	125	3	G04358g	FC1
8	MCBC5420	4		MON	2.4	.40	TTL	4	10	0.0	5.0	10n			20mt		-55	125	2	G04358j	FC1
9	MCBC5430	4		MON	2.4	.40	TTL	8	10	0.0	5.0	10n			10mt		-55	125	1	G04358m	FC1
10	MCBC5440	4		MON	2.4%	.40*†	TTL	4	30	0.0	5.0	13n			50mt		-55	125	2	G04426a	FC1
11	MCE54H01F	4		MON	2.4%	.40†*	TTL	2	10	0.0	5.0	8.0nt			80mt		-55	125	4	G04425a	TO86
12	MCE74H01F	4		MON	2.4%	.40†*	TTL	2	10	0.0	5.0	8.0nt			80mt		0	70	4	G04425a	TO86
13	M113	4	20M	PCB	2.4	.40	TTL	2	10	0	5	15n	5.0n	15n	150m	1.0	0	70	10		
14	M115	4	20M	PCB	2.4	.40	TTL	3	10	0	5	15n	15n	15n	140m	1.0	0	70	8		
15	M117	4	20M	PCB	2.4	.40	TTL	4	10	0	5	15n	15n	15n	90m	1.0	0	70	6		
16	M119	4	20M	PCB	2.4	.40	TTL	8	10	0	5	15n	15n	15n	45m	1.0	0	70	3		
17	M617	4	20M	PCB	2.4	.40	TTL	4	30	0	5	15n	15n	15n	260m	1.0	0	70	6		
18	MC5400F	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	10n			40mt		-55	125	4	G04358e	TO86
19	MC5400L	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	10n			40mt		-55	125	4	G04358f	TO116
20	MC5401F	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	35n%			40mt		-55	125	4	G04387	TO86
21	MC5401L	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	35n%			40mt		-55	125	4	G04387	TO116
22	MC5403L	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	35n%			40mt		-55	125	4	G04387c	TO116
23	MC5410F	4	30MΔ	MON	2.4%	.40*†	TTL	3	10	0.0	5.0	10n			30mt		-55	125	3	G04358g	TO86
24	MC5410L	4	30MΔ	MON	2.4%	.40*†	TTL	3	10	0.0	5.0	10n			30mt		-55	125	3	G04358h	TO116
25	MC5420F	4	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	10n			20mt		-55	125	2	G04358j	TO86
26	MC5420L	4	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	10n			20mt		-55	125	2	G04358k	TO116
27	MC5430F	4	30MΔ	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	10n			10mt		-55	125	1	G04358m	TO86
28	MC5430L	4	30MΔ	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	10n			10mt		-55	125	1	G04358n	TO116
29	MC5440F	4	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	13n			50mt		-55	125	2	G04388	TO86
30	MC5440L	4	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	13n			50mt		-55	125	2	G04388a	TO116
31	MC7400F	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	10n			40mt		0	70	4	G04358e	TO86
32	MC7400L,P%	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	10n			40mt		0	70	4	G04358f	TO116
33	MC7401F	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	35n%			40mt		0	70	4	G04387	TO86
34	MC7401L,P%	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	35n%			40mt		0	70	4	G04387a	TO116
35	MC7403L,P%	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	35n%			40mt		0	70	4	G04387c	TO116
36	MC7410F	4	30MΔ	MON	2.4%	.40*†	TTL	3	10	0.0	5.0	10n			30mt		0	70	3	G04358g	TO86
37	MC7410L,P%	4	30MΔ	MON	2.4%	.40*†	TTL	3	10	0.0	5.0	10n			30mt		0	70	3	G04358h	TO116
38	MC7420F	4	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	10n			20mt		0	70	2	G04358j	TO86
39	MC7420L,P%	4	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	10n			20mt		0	70	2	G04358k	TO116
40	MC7430F	4	30MΔ	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	10n			10mt		0	70	1	G04358m	TO86
41	MC7430L,P%	4	30MΔ	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	10n			10mt		0	70	1	G04358n	TO116
42	MC7440F	4	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	13n			50mt		0	70	2	G04388	TO86
43	MC7440L,P%	4	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	13n			50mt		0	70	2	G04388a	TO116
44	M627	4	50M	PCB	2.4	.40	TTL	4	40	0	5	6.0n	8.0n	8.0n	600m	1.0	0	70	6		
45	MC2011F	4		MON	2.4%	.45*†	TTL	9Δ	9	0.0	5.0	11n%	4.5n	3.0n	22mt		0	75	1	G04358a	TO86
46	MC2011L,P%	4		MON	2.4%	.45*†	TTL	9Δ	9	0.0	5.0	11n%	4.5n	3.0n	22mt		0	75	1	G04358a	TO116
47	MC2061F	4		MON	2.4%	.45*†	TTL	9Δ	9	0.0	5.0	11n%	4.5n	3.0n	22mt		0	75	1	G04358a	TO86
48	MC2061L,P%	4		MON	2.4%	.45*†	TTL	9Δ	9	0.0	5.0	11n%	4.5n	3.0n	22mt		0	75	1	G04358a	TO116
49	MC3005F	4		MON	2.5%	.40*†	TTL	3	10	0.0	5.0	6.0n			66mt		0	75	3	G04377a	TO86
50	MC3005L,P%	4		MON	2.5%	.40*†	TTL	3	10	0.0	5.0	6.0n			66mt		0	75	3	G04377a	TO116
51	MC3010F	4		MON	2.5%	.40*†	TTL	4	10	0.0	5.0	6.0n			44mt		0	75	2	G04377b	TO86
52	MC3010L,P%	4		MON	2.5%	.40*†	TTL	4	10	0.0	5.0	6.0n			44mt		0	75	2	G04377b	TO116
53	MC3015F	4		MON	2.5%	.40*†	TTL	8	10	0.0	5.0	8.0n			22mt		0	75	1	G04377b	TO86
54	MC3015L,P%	4		MON	2.5%	.40*†	TTL	8	10	0.0	5.0	8.0n			22mt		0	75	1	G04377b	TO116
55	MC3016F	4		MON	2.5%	.40*†	TTL	8	10	0.0	5.0	8.0n			22mt		0	75	1	G04377g	TO86
56	MC3016L,P%	4		MON	2.5%	.40*†	TTL	8	10	0.0	5.0	8.0n			22mt		0	75	1	G04377g	TO116
57	MC3024F	4		MON	2.5%	.40*†	TTL	4	30	0.0	5.0	6.0n			90mt		0	75	2	G04377b	TO86
58	MC3024L,P%	4		MON	2.5%	.40*†	TTL	4	30	0.0	5.0	6.0n			90mt		0	75	2	G04377b	TO116
59	MC3025F	4		MON	2.5%	.40*†	TTL	4	20	0.0	5.0	6.0n			70mt		0	75	2	G04377b	TO86
60	MC3025L,P%	4		MON	2.5%	.40*†	TTL	4	20	0.0	5.0	6.0n			70mt		0	75	2	G04377b	TO116
61	N8808A	4		MON	2.6%	.40*†	TTL	8	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	1	G04273	TO116
62	N8808J	4		MON	2.6%	.40*†	TTL	8	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	1	G04273	TO88
63	N8816A	4		MON	2.6%	.40*†	TTL	4	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	2	G04273a	TO116
64	N8816F	4		MON	2.6%	.40†*	TTL	4	20	0.0	5.0	13n%		50n	31mΔ	600m	0	75	2	G04273a	M157
65	N8816J	4		MON	2.6%	.40*†	TTL	4	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	2	G04273a	TO88
66	N8870A	4		MON	2.6%	.40*†	TTL	3	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	3	G04273b	TO116
67	N8870F	4		MON	2.6%	.40†*	TTL	3	20	0.0	5.0	13n%Δ		50n	31mΔ	600m	0	75	3	G04273b	M157
68	N8870J	4		MON	2.6%	.40*†	TTL	3	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	3	G04273b	TO88
69	N8880A	4		MON	2.6%	.40*†	TTL	2	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	4	G04273c	TO116
70	N8880F	4		MON	2.6%	.40†*	TTL	2	20	0.0	5.0	13n%Δ		50n	31mΔ	600m	0	75	4	G04273c	M157
71	N8880J	4		MON	2.6%	.40*†	TTL	2	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	4	G04273c	TO88
72	N8881F	4		MON	2.6%	.40†*	TTL	2	20	0.0	5.0	25n%Δ		50n	31mΔ	600m	0	75	4	G04233a	M157
73	S8808A	4		MON	2.6%	.40*†	TTL	8	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	1	G04273	TO116
74	S8808J	4		MON	2.6%	.40*†	TTL	8	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	1	G04273	TO88
75	S8816A	4		MON	2.6%	.40*†	TTL	4	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	2	G04273a	TO116
76	S8816F	4		MON	2.6%	.40†*	TTL	4	20	0.0	5.0	13n%Δ		50n	31mΔ	600m	-55	125	2	G04273a	M157
77	S8816J	4		MON	2.6%	.40*†	TTL	4	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	2	G04273a	TO88
78	S8870A	4		MON	2.6%	.40*†	TTL	3	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	3	G04273b	TO116
79	S8870F	4		MON	2.6%	.40†*	TTL	3	20	0.0	5.0	13n%Δ		50n	31mΔ	600m	-55	125	3	G04273b	M157
80	S8870J	4		MON	2.6%	.40*†	TTL	3	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	3	G04273b	TO88
81	S8880A	4		MON	2.6%	.40*†	TTL	2	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	4	G04273c	TO116
82	S8880F	4		MON	2.6%	.40†*	TTL	2	20	0.0	5.0	13n%Δ		50n	31mΔ	600m	-55	125	4	G04273c	M157
83	S8880J	4		MON	2.6%	.40*†	TTL	2	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	4	G04273c	TO88
84	S8881F	4		MON	2.6%	.40†*	TTL	2	20	0.0	5.0	25n%Δ		50n	31mΔ	600m	-55	125	4	G04233a	M157
85	54R00	4			2.7	.40	TTL	2	10	0.0	5.0	6.0n			128m		-55	125			
86	54R40	4			2.7	.40	TTL	4	30	0.0	5.0	8.0n			155m		-55	125			
87	SN74S240N	4		MON	2.7	.50	TTL	1	32	0.0	5.0	3.5n			600mt	1.0 Δ	0	70	8	G04476	
88	SN74S241N	4		MON	2.7	.50	TTL	1	32	0.0	5.0	5.0n			700mt	1.0 Δ	0	70	8	G04477	
89	74R00	4			2.8	.40	TTL	2	10	0.0	5.0	6.0n			128m		0	75			
90	74R40	4			2.8	.40	TTL	4	30	0.0	5.0	8.0n			155m		0	75			
91	RG202D	4		MON	3.0%	.40*	TTL	10Δ	9†	0.0	5.0	15nΔ	4.5n	3.0n	22mt	1.0	0	75	1	G04240c	M105ar
92	RG202K	4		MON	3.0%	.40*	TTL	10Δ	9†	0.0	5.0	15nΔ	4.5n	3.0n	22mt	1.0	0	75	1	G04240c	FP21b
93	RG203D	4		MON	3.0%	.40*	TTL	10Δ	5†	0.0	5.0	15nΔ	4.5n	3.0n	22mt	1.0	0	75	1	G04240c	M105ar
94	RG203K	4		MON	3.0%	.40*	TTL	10Δ	5†	0.0	5.0	15nΔ	4.5n	3.0n	22mt	1.0	0	75	1	G04240c	FP21b
95	RG3222D	4		MON	3.0%	.45*†	TTL	4	9	0.0	5.0	9.5nΔ	3.0n	2.5n	88mt	1.1	0	75	4	G04377h	M105m
96	RG3222K	4		MON	3.0%	.45*†	TTL	4	9	0.0	5.0	9.5nΔ	3.0n	2.5n	88mt	1.1	0	75	4	G04377h	FP21b
97	RG3242D	4		MON	3.0%	.45*†	TTL	4	9	0.0	5.0	9.5nΔ	3.0n	2.5n	44mt	1.1	0	75	2	G04377j	M105m
98	RG3242K	4		MON	3.0%	.45*†	TTL	4	9	0.0	5.0	9.5nΔ	3.0n	2.5n	44mt	1.1	0	75	2	G04377j	FP21b
99	RG3262D	4		MON	3.0%	.45*†	TTL	8	9	0.0	5.0	11nΔ	3.0n	2.5n	22mt	1.1	0	75	1	G04377k	M105m
100	RG3262K	4		MON	3.0%	.45*†	TTL	8	9	0.0	5.0	11nΔ	3.0n	2.5n	22mt	1.1	0	75	1	G04377k	FP21b
101	RG3322D	4		MON	3.0%	.45*†	TTL	3	9†	0.0	5.0	9.5nΔ	3.0n	2.5n	66mt	1.1	0	75	3	G04377m	M105m
102	RG3322K	4		MON	3.0%	.45*†	TTL	3	9†	0.0	5.0	9.5nΔ	3.0n	2.5n	66mt	1.1	0	75	3	G04377m	FP21b
103	RG3422D	4		MON	3.0%	.50*†	TTL	5Δ	12	0.0	5.0	9.5nΔ	3.0n	2.5n	44mt	1.1	-55	125	2	G04427	M105m
104	RG3422K	4		MON	3.0%	.50*†	TTL	5Δ	12	0.0	5.0	9.5nΔ	3.0n	2.5n	44mt	1.1	-55	125	2	G04427	FP21b
105	RG3432D	4		MON	3.0%	.50*†	TTL	9Δ	12	0.0	5.0	11nΔ	3.0n	2.5n	22mt	1.1	0	75	1	G04427a	M105m
106	RG3432K	4		MON	3.0%	.50*†	TTL	9Δ	12	0.0	5.0	11nΔ	3.0n	2.5n	22mt	1.1	0	75	1	G04427a	FP21b
107	RG200D	4		MON	3.1%	.40*	TTL	10Δ	11†	0.0	5.0	15nΔ	4.5n	3.0n	22mt	1.0	-55	125	1	G04240c	M105ar
108	RG200K	4		MON	3.1%	.40*	TTL	10Δ	11†	0.0	5.0	15nΔ	4.5n	3.0n	22mt	1.0	-55	125	1	G04240c	FP21b
109	RG201D	4		MON	3.1%	.40*	TTL	10Δ	6†	0.0	5.0	15nΔ	4.5n	3.0n	22mt	1.0	-55	125	1	G04240c	M105ar
110	RG201K	4		MON	3.1%	.40*	TTL	10Δ	6†	0.0	5.0	15nΔ	4.5n	3.0n	22mt	1.0	-55	125	1	G04240c	FP21b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	RG322D	4		MON	3.1%	.40*†	TTL	3	9†	0.0	5.0	10nΔ	4.0n	2.5n	66m†	1.0	0	75	3	G04191a	M105m
2	RG322K	4		MON	3.1%	.40*†	TTL	3	9†	0.0	5.0	10nΔ	4.0n	2.5n	66m†	1.0	0	75	3	G04191a	FP21b
3	RG323D	4		MON	3.1%	.40*†	TTL	3	5†	0.0	5.0	10nΔ	4.0n	2.5n	66m†	1.0	0	75	3	G04191a	M105m
4	RG323K	4		MON	3.1%	.40*†	TTL	3	5†	0.0	5.0	10nΔ	4.0n	2.5n	66m†	1.0	0	75	3	G04191a	FP21b
5	RG3220D	4		MON	3.1%	.40*†	TTL	2	11	0.0	5.0	9.5nΔ	3.0n	2.5n	88m†	1.1	-55	125	4	G04377h	M105m
6	RG3220K	4		MON	3.1%	.40*†	TTL	2	11	0.0	5.0	9.5nΔ	3.0n	2.5n	88m†	1.1	-55	125	4	G04377h	FP21b
7	RG3240D	4		MON	3.1%	.40*†	TTL	8	11	0.0	5.0	9.5nΔ	3.0n	2.5n	44m†	1.1	-55	125	2	G04377j	M105m
8	RG3240K	4		MON	3.1%	.40*†	TTL	8	11	0.0	5.0	9.5nΔ	3.0n	2.5n	44m†	1.1	-55	125	2	G04377j	FP21b
9	RG3260D	4		MON	3.1%	.40*†	TTL	8	11	0.0	5.0	11nΔ	3.0n	2.5n	22m†	1.1	-55	125	1	G04377k	M105m
10	RG3260K	4		MON	3.1%	.40*†	TTL	8	11	0.0	5.0	11nΔ	3.0n	2.5n	22m†	1.1	-55	125	1	G04377k	FP21b
11	RG3320D	4		MON	3.1%	.40*†	TTL	3	11†	0.0	5.0	9.5nΔ	3.0n	2.5n	66m†	1.1	-55	125	3	G04377m	M105m
12	RG3320K	4		MON	3.1%	.40*†	TTL	3	11†	0.0	5.0	9.5nΔ	3.0n	2.5n	66m†	1.1	-55	125	3	G04377m	FP21b
13	RG3420D	4		MON	3.1%	.40*†	TTL	5Δ	12	0.0	5.0	9.5nΔ	3.0n	2.5n	44m†	1.1	-55	125	2	G04427	M105m
14	RG3420K	4		MON	3.1%	.40*†	TTL	5Δ	12	0.0	5.0	9.5nΔ	3.0n	2.5n	44m†	1.1	-55	125	2	G04427	FP21b
15	RG3430D	4		MON	3.1%	.40*†	TTL	9Δ	12	0.0	5.0	11nΔ	3.0n	2.5n	22m†	1.1	0	75	1	G04427a	M105m
16	RG3430K	4		MON	3.1%	.40*†	TTL	9Δ	12	0.0	5.0	11nΔ	3.0n	2.5n	22m†	1.1	0	75	1	G04427a	FP21b
17	RG122D	4	20M	MON	3.1%	.40*	TTL	10Δ	12†	0.0	5.0	28nΔ	8.0n	5.0n	15m†	900m	0	75	1	G04212h	M105ar
18	RG122K	4	20M	MON	3.1%	.40*	TTL	10Δ	12†	0.0	5.0	28nΔ	8.0n	5.0n	15m†	900m	0	75	1	G04212h	FP21b
19	RG123D	4	20M	MON	3.1%	.40*	TTL	10Δ	6†	0.0	5.0	28nΔ	8.0n	5.0n	15m†	900m	0	75	1	G04212h	M105ar
20	RG123K	4	20M	MON	3.1%	.40*	TTL	10Δ	6†	0.0	5.0	28nΔ	8.0n	5.0n	15m†	900m	0	75	1	G04212h	FP21b
21	RG320D	4		MON	3.2%	.40*†	TTL	3	11†	0.0	5.0	10nΔ	4.0n	2.5n	66m†	1.0	-55	125	3	G04191a	M105m
22	RG320K	4		MON	3.2%	.40*†	TTL	3	11†	0.0	5.0	10nΔ	4.0n	2.5n	66m†	1.0	-55	125	3	G04191a	FP21b
23	RG321D	4		MON	3.2%	.40*†	TTL	3	6†	0.0	5.0	10nΔ	4.0n	2.5n	66m†	1.0	-55	125	3	G04191a	M105m
24	RG321K	4		MON	3.2%	.40*†	TTL	3	6†	0.0	5.0	10nΔ	4.0n	2.5n	66m†	1.0	-55	125	3	G04191a	FP21b
25	RG120D	4	20M	MON	3.2%	.40*	TTL	10Δ	15†	0.0	5.0	28nΔ	8.0n	5.0n	15m†	900m	-55	125	1	G04212h	M105ar
26	RG120K	4	20M	MON	3.2%	.40*	TTL	10Δ	15†	0.0	5.0	28nΔ	8.0n	5.0n	15m†	900m	-55	125	1	G04212h	FP21b
27	RG121D	4	20M	MON	3.2%	.40*	TTL	10Δ	7†	0.0	5.0	28nΔ	8.0n	5.0n	15m†	900m	-55	125	1	G04212h	M105ar
28	RG121K	4	20M	MON	3.2%	.40*	TTL	10Δ	7†	0.0	5.0	28nΔ	8.0n	5.0n	15m†	900m	-55	125	1	G04212h	FP21b
29	TG130F	4		MON	3.2%	.45*†	TTL	4	36	0.0	8.0	16nΔ			60m†	450mΔ	-55	125	2	G0478b	FP21c
30	TG130J	4		MON	3.2%	.45*†	TTL	4	36	0.0	8.0	16nΔ			60m†	450mΔ	-55	125	2	G0478b	TO116
31	TG131F	4		MON	3.2%	.45*†	TTL	4	24	0.0	8.0	16nΔ			60m†	450mΔ	-55	125	2	G0478b	FP21c
32	TG131J	4		MON	3.2%	.45*†	TTL	4	24	0.0	8.0	16nΔ			60m†	450mΔ	-55	125	2	G0478b	TO116
33	TG132F	4		MON	3.2%	.45*†	TTL	4	36	0.0	7.0	16nΔ			60m†	450mΔ	0	75	2	G0478b	FP21c
34	TG132J	4		MON	3.2%	.45*†	TTL	4	36	0.0	7.0	16nΔ			60m†	450mΔ	0	75	2	G0478b	TO116
35	TG133F	4		MON	3.2%	.45*†	TTL	4	24	0.0	7.0	16nΔ			60m†	450mΔ	0	75	2	G0478b	FP21c
36	TG133J	4		MON	3.2%	.45*†	TTL	4	24	0.0	7.0	16nΔ			60m†	450mΔ	0	75	2	G0478b	TO116
37	TNG5511F	4		MON	3.2%	.45*†	TTL	2	36	0	8	16nΔ			120m†	450mΔ	-55	125	4	G0478d	FP21c
38	TNG5512F	4		MON	3.2%	.45*†	TTL	2	36	0	7	16nΔ			120m†	450mΔ	0	75	4	G0478d	FP21c
39	TNG5513F	4		MON	3.2%	.45*†	TTL	2	24	0	8	16nΔ			120m†	450mΔ	-55	125	4	G0478d	FP21c
40	TNG5514F	4		MON	3.2%	.45*†	TTL	2	24	0	7	16nΔ			120m†	450mΔ	0	75	4	G0478d	FP21c
41	MC400F	4		MON	3.3	.26	TTL	4	12	0.0	5.0	10n	8.0n	5.0n	30m†	900m	0	75	2	G04358d	TO116
42	MC400L,P%	4		MON	3.3	.26	TTL	4	12	0.0	5.0	10n	8.0n	5.0n	30m†	900m	0	75	2	G04358d	TO116
43	MC402F	4		MON	3.3	.26	TTL	8	12	0.0	5.0	12n	8.0n	5.0n	15m†	900m	0	75	1	G04358	TO86
44	MC402L,P%	4		MON	3.3	.26	TTL	8	12	0.0	5.0	12n	8.0n	5.0n	15m†	900m	0	75	1	G04358	TO116
45	MC406F	4		MON	3.3	.26	TTL	9Δ	12	0.0	5.0	18n	8.0n	5.0n	15m†	900m	0	75	1	G04358a	TO86
46	MC406L,P%	4		MON	3.3	.26	TTL	9Δ	12	0.0	5.0	18n	8.0n	5.0n	15m†	900m	0	75	1	G04358a	TO116
47	MC407F	4		MON	3.3	.26	TTL	4	12	0.0	5.0	25n	30n	30n	60m†	900m	0	75	2	G04360	TO86
48	MC407L,P%	4		MON	3.3	.26	TTL	4	12	0.0	5.0	25n	30n	30n	60m†	900m	0	75	2	G04360	TO116
49	MC408F	4		MON	3.3	.26	TTL	2	12	0.0	5.0	10n			60m†	900m	0	75	4	G04358c	TO86
50	MC408L,P%	4		MON	3.3	.26	TTL	2	12	0.0	5.0	10n			60m†	900m	0	75	4	G04358c	TO116
51	MC412F	4		MON	3.3	.26	TTL	3	12	0.0	5.0	10n	8.0n	5.0n	45m†	900m	0	75	3	G04358d	TO86
52	MC412L,P%	4		MON	3.3	.26	TTL	3	12	0.0	5.0	10n	8.0n	5.0n	45m†	900m	0	75	3	G04358d	TO116
53	MC450F	4		MON	3.3	.26	TTL	4	6	0.0	5.0	10n	8.0n	5.0n	30m†	900m	0	75	2	G04358d	TO86
54	MC450L,P%	4		MON	3.3	.26	TTL	4	6	0.0	5.0	10n	8.0n	5.0n	30m†	900m	0	75	2	G04358d	TO116
55	MC452F	4		MON	3.3	.26	TTL	8	6	0.0	5.0	12n	8.0n	5.0n	15m†	900m	0	75	1	G04358	TO86
56	MC452L,P%	4		MON	3.3	.26	TTL	8	6	0.0	5.0	12n	8.0n	5.0n	15m†	900m	0	75	1	G04358	TO116
57	MC456F	4		MON	3.3	.26	TTL	9Δ	6	0.0	5.0	18n	8.0n	5.0n	15m†	900m	0	75	1	G04358a	TO86
58	MC456L,P%	4		MON	3.3	.26	TTL	9Δ	6	0.0	5.0	18n	8.0n	5.0n	15m†	900m	0	75	1	G04358a	TO116
59	MC457F	4		MON	3.3	.26	TTL	4	6	0.0	5.0	25n	30n	30n	60m†	900m	0	75	2	G04360	TO86
60	MC457L,P%	4		MON	3.3	.26	TTL	4	6	0.0	5.0	25n	30n	30n	60m†	900m	0	75	2	G04360	TO116
61	MC458F	4		MON	3.3	.26	TTL	2	6	0.0	5.0	10n			60m†	900m	0	75	4	G04358c	TO86
62	MC458L,P%	4		MON	3.3	.26	TTL	2	6	0.0	5.0	10n			60m†	900m	0	75	4	G04358c	TO116
63	MC462F	4		MON	3.3	.26	TTL	3	6	0.0	5.0	10n	8.0n	5.0n	45m†	900m	0	75	3	G04358d	TO86
64	MC462L,P%	4		MON	3.3	.26	TTL	3	6	0.0	5.0	10n	8.0n	5.0n	45m†	900m	0	75	3	G04358d	TO116
65	MC500F	4		MON	3.3	.26	TTL	4	15	0.0	5.0	10n	8.0n	5.0n	30m†	900m	-55	125	2	G04358d	TO86
66	MC500L	4		MON	3.3	.26	TTL	4	15	0	8	10n	8.0n	5.0n	30m†	900m	-55	125	2	G04358d	TO116
67	MC502F	4		MON	3.3	.26	TTL	8	15	0.0	5.0	12n	8.0n	5.0n	15m†	900m	-55	125	1	G04358	TO86
68	MC502L	4		MON	3.3	.26	TTL	8	15	0	8	12n	8.0n	5.0n	15m†	900m	-55	125	1	G04358	TO116
69	MC506F	4		MON	3.3	.26	TTL	9Δ	15	0.0	5.0	18n	8.0n	5.0n	15m†	900m	-55	125	1	G04358a	TO86
70	MC506L	4		MON	3.3	.26	TTL	9Δ	15	0	8	18n	8.0n	5.0n	15m†	900m	-55	125	1	G04358a	TO116
71	MC507F	4		MON	3.3	.26	TTL	4	15	0.0	5.0	25n	30n	30n	60m†	900m	-55	125	2	G04360	TO86
72	MC507L	4		MON	3.3	.26	TTL	4	15	0	8	25n	30n	30n	60m†	900m	-55	125	2	G04360	TO116
73	MC508F	4		MON	3.3	.26	TTL	2	15	0.0	5.0	10n			60m†	900m	-55	125	4	G04358c	TO86
74	MC508L	4		MON	3.3	.26	TTL	2	15	0	8	10n			60m†	900m	-55	125	4	G04358c	TO116
75	MC512F	4		MON	3.3	.26	TTL	3	15	0.0	5.0	10n	8.0n	5.0n	45m†	900m	-55	125	3	G04358c	TO86
76	MC512L	4		MON	3.3	.26	TTL	3	15	0	8	10n	8.0n	5.0n	45m†	900m	-55	125	3	G04358c	TO116
77	MC550F	4		MON	3.3	.26	TTL	4	15	0.0	5.0	10n	8.0n	5.0n	30m†	900m	-55	125	2	G04358d	TO86
78	MC550L	4		MON	3.3	.26	TTL	4	7	0	8	10n	8.0n	5.0n	30m†	900m	-55	125	2	G04358d	TO116
79	MC552F	4		MON	3.3	.26	TTL	8	7	0.0	5.0	12n	8.0n	5.0n	15m†	900m	-55	125	1	G04358	TO86
80	MC552L	4		MON	3.3	.26	TTL	8	7	0	8	12n	8.0n	5.0n	15m†	900m	-55	125	1	G04358	TO116
81	MC556F	4		MON	3.3	.26	TTL	9Δ	7	0.0	5.0	18n	8.0n	5.0n	15m†	900m	-55	125	1	G04358a	TO86
82	MC556L	4		MON	3.3	.26	TTL	9Δ	7	0	8	18n	8.0n	5.0n	15m†	900m	-55	125	1	G04358a	TO116
83	MC557F	4		MON	3.3	.26	TTL	4	7	0.0	5.0	25n	30n	30n	60m†	900m	-55	125	2	G04360	TO86
84	MC557L	4		MON	3.3	.26	TTL	4	7	0	8	25n	30n	30n	60m†	900m	-55	125	2	G04360	TO116
85	MC558F	4		MON	3.3	.26	TTL	2	7	0.0	5.0	10n			60m†	900m	-55	125	4	G04358c	TO86
86	MC558L	4		MON	3.3	.26	TTL	2	7	0	8	10n			60m†	900m	-55	125	4	G04358c	TO116
87	MC562F	4		MON	3.3	.26	TTL	3	7	0.0	5.0	10n	8.0n	5.0n	45m†	900m	-55	125	3	G04358c	TO86
88	MC562L	4		MON	3.3	.26	TTL	3	7	0	8	10n	8.0n	5.0n	45m†	900m	-55	125	3	G04358c	TO116
89	RG40D	4	20M	MON	3.4	.20	TTL	4	15	0	5.0	10n			30m†	1.1	-55	125	2	G0471	M105m
90	RG40K	4	20M	MON	3.4	.20	TTL	4	15	0	5.0	10n			30m†	1.1	-55	125	2	G0471	FP21b
91	RG41D	4	20M	MON	3.4	.20	TTL	4	7	0	5.0	10n			30m†	1.1	-55	125	2	G0471	M105m
92	RG41K	4	20M	MON	3.4	.20	TTL	4	7	0	5.0	10n			30m†	1.1	-55	125	2	G0471	FP21b
93	RG42D	4	20M	MON	3.4	.20	TTL	4	12	0	5.0	10n			30m†	1.1	0	75	2	G0471	M105m
94	RG42K	4	20M	MON	3.4	.20	TTL	4	12	0	5.0	10n			30m†	1.1	0	75	2	G0471	FP21b
95	RG43D	4	20M	MON	3.4	.20	TTL	4	6	0	5.0	10n			30m†	1.1	0	75	2	G0471	M105m
96	RG43K	4	20M	MON	3.4	.20	TTL	4	6	0	5.0	10n			30m†	1.1	0	75	2	G0471	FP21b
97	RG60D	4	20M	MON	3.4	.20	TTL	8	15	0	5.0	12n			15m†	1.1	-55	125	1	G04211	M105m
98	RG60K	4	20M	MON	3.4	.20	TTL	8	15	0	5.0	12n			15m†	1.1	-55	125	1	G04211	FP21b
99	RG61D	4	20M	MON	3.4	.20	TTL	8	7	0	5.0	12n			15m†	1.1	-55	125	1	G04211	M105m
100	RG61K	4	20M	MON	3.4	.20	TTL	8	7	0	5.0	12n			15m†	1.1	-55	125	1	G04211	FP21b
101	RG62D	4	20M	MON	3.4	.20	TTL	8	15	0.0	5.0	12n			15m†	1.1	0	75	1	G04211	M105m
102	RG62K	4	20M	MON	3.4	.20	TTL	8	15	0	5.0	12n			15m†	1.1	0	75	1	G04211	FP21b
103	RG63D	4	20M	MON	3.4	.20	TTL	8	6	0.0	5.0	12n			15m†	1.1	0	75	1	G04211	M105m
104	RG63K	4	20M	MON	3.4	.20	TTL	8	6	0.0	5.0	12n			15m†	1.1	0	75	1	G04211	FP21b
105	RG130D	4	20M	MON	3.4	.20	TTL	4	30	0.0	5.0	15n			60m†	1.1	-55	125	2	G04191	M105m
106	RG130K	4	20M	MON	3.4	.20	TTL	4	30	0.0	5.0	15n			60m†	1.1	-55	125	2	G04191	FP28
107	RG131D	4	20M	MON	3.4	.20	TTL	4	15	0.0	5.0	15n			60m†	1.1	-55	125	2	G04191	M105m
108	RG131K	4	20M	MON	3.4	.20	TTL	4	15	0.0	5.0	15n			60m†	1.1	-55	125	2	G04191	FP28
109	RG140D	4	20M	MON	3.4	.20	TTL	2	15	0.0	5.0	10n			60m†	1.1	-55	125	4	G04212f	M105m
110	RG140K	4	20M	MON	3.4	.20	TTL	2	15	0.0	5.0	10n			60m†	1.1	-55	125	4	G04212f	FP21b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	RG141D	4	20M	MON	3.4	.20	TTL	2	7	0.0	5.0	10n			60mt	1.1	-55	125	4	G04212f	M105m
2	RG141K	4	20M	MON	3.4	.20	TTL	2	7	0.0	5.0	10n			60mt	1.1	-55	125	4	G04212f	FP21b
3	RG142D	4	20M	MON	3.4	.20	TTL	2	12	0.0	5.0	10n			60mt	1.1	0	75	4	G04212f	M105m
4	RG142K	4	20M	MON	3.4	.20	TTL	2	12	0.0	5.0	10n			60mt	1.1	0	75	4	G04212f	FP21b
5	RG143D	4	20M	MON	3.4	.20	TTL	2	6	0.0	5.0	10n			60mt	1.1	0	75	4	G04212f	M105m
6	RG143K	4	20M	MON	3.4	.20	TTL	8	6	0.0	5.0	10n			60mt	1.1	0	75	4	G04212f	FP21b
7	RG190D	4	20M	MON	3.4	.20	TTL	3	15	0.0	5.0	10n			45mt	1.1	-55	125	3	G04212e	M105m
8	RG190K	4	20M	MON	3.4	.20	TTL	3	15	0.0	5.0	10n			45mt	1.1	-55	125	3	G04212e	FP21b
9	RG191D	4	20M	MON	3.4	.20	TTL	3	7	0.0	5.0	10n			45mt	1.1	-55	125	3	G04212e	M105m
10	RG191K	4	20M	MON	3.4	.20	TTL	3	7	0.0	5.0	10n			45mt	1.1	-55	125	3	G04212e	FP21b
11	RG192D	4	20M	MON	3.4	.20	TTL	3	12	0.0	5.0	10n			45mt	1.1	0	75	3	G04212e	M105m
12	RG192K	4	20M	MON	3.4	.20	TTL	3	12	0.0	5.0	10n			45mt	1.1	0	75	3	G04212e	FP21b
13	RG193D	4	20M	MON	3.4	.20	TTL	3	6	0.0	5.0	10n			45mt	1.1	0	75	3	G04212e	M105m
14	RG193K	4	20M	MON	3.4	.20	TTL	3	6	0.0	5.0	10n			45mt	1.1	0	75	3	G04212e	FP21b
15	N8470A	4		MON	3.4%	.35*†	TTL	3	9	0	5	95n		75n	17mΔ	1.4	0	75	3	G04260a	TO116
16	N8470F	4		MON	3.4%	.35†*	TTL	3	9	0.0	5.0	95n		75n	17mΔ	1.4	0	75	3	G04260a	M157
17	N8470J	4		MON	3.4%	.35*†	TTL	3	9	0	5	95n		75n	17mΔ	1.4	0	75	3	G04260a	TO88
18	N8480A	4		MON	3.4%	.35*†	TTL	2	9	0	5	95n		75n	17mΔ	1.4	0	75	4	G04260	TO116
19	N8480F	4		MON	3.4%	.35†*	TTL	2	9	0.0	5.0	95n		75n	17mΔ	1.4	0	75	4	G04260	M157
20	N8480J	4		MON	3.4%	.35*†	TTL	2	9	0	5	95n		75n	17mΔ	1.4	0	75	4	G04260	TO88
21	S8470A	4		MON	3.4%	.35*†	TTL	3	9	0	5	95n		75n	17mΔ	1.4	-55	125	3	G04260a	TO116
22	S8470F	4		MON	3.4%	.35†*	TTL	3	9	0.0	5.0	95n		75n	17mΔ	1.4	-55	125	3	G04260a	M157
23	S8470J	4		MON	3.4%	.35*†	TTL	3	9	0	5	95n		75n	17mΔ	1.4	-55	125	3	G04260a	TO88
24	S8480A	4		MON	3.4%	.35*†	TTL	2	9	0	5	95n		75n	17mΔ	1.4	-55	125	4	G04260	TO116
25	S8480F	4		MON	3.4%	.35†*	TTL	2	9	0.0	5.0	95n		75n	17mΔ	1.4	-55	125	4	G04260	M157
26	S8480J	4		MON	3.4%	.35*†	TTL	2	9	0	5	95n		75n	17mΔ	1.4	-55	125	4	G04260	TO88
27	RG200P	4		MON	3.5	.20	TTL	8	11	0.0	5	8.0n			22mt	1.0	-55	125	1		M105k
28	RG220D	4		MON	3.5	.20	TTL	2	11	0.0	5.0	6.0n			88mt	1.0	-55	125	4	G04240b	M105m
29	RG220K	4		MON	3.5	.20	TTL	2	11	0.0	5.0	6.0n			88mt	1.0	-55	125	4	G04240b	FP28
30	RG221D	4		MON	3.5	.20	TTL	2	6	0.0	5.0	6.0n			88mt	1.0	-55	125	4	G04240b	M105m
31	RG221K	4		MON	3.5	.20	TTL	2	6	0.0	5.0	6.0n			88mt	1.0	-55	125	4	G04240b	FP28
32	RG222D	4		MON	3.5	.20	TTL	2	9	0.0	5.0	6.0n			88mt	1.0	0	75	4	G04240b	M105m
33	RG222K	4		MON	3.5	.20	TTL	2	9	0.0	5.0	6.0n			88mt	1.0	0	75	4	G04240b	FP28
34	RG223D	4		MON	3.5	.20	TTL	2	5	0.0	5	6.0n			88mt	1.0	0	75	4	G04240b	M105m
35	RG223K	4		MON	3.5	.20	TTL	2	5	0.0	5	6.0n			88mt	1.0	0	75	4	G04240b	FP28
36	RG240D	4		MON	3.5	.20	TTL	4	11	0.0	5.0	6.0n			44mt	1.0	-55	125	2	G04240	M105m
37	RG240K	4		MON	3.5	.20	TTL	4	11	0.0	5.0	6.0n			44mt	1.0	-55	125	2	G04240	FP28
38	RG241D	4		MON	3.5	.20	TTL	4	6	0.0	5.0	6.0n			44mt	1.0	-55	125	2	G04240	M105m
39	RG241K	4		MON	3.5	.20	TTL	4	6	0.0	5.0	6.0n			44mt	1.0	-55	125	2	G04240	FP28
40	RG242D	4		MON	3.5	.20	TTL	4	9	0.0	5.0	6.0n			44mt	1.0	0	75	2	G04240	M105m
41	RG242K	4		MON	3.5	.20	TTL	4	9	0.0	5.0	6.0n			44mt	1.0	0	75	2	G04240	FP28
42	RG243D	4		MON	3.5	.20	TTL	4	5	0.0	5.0	6.0n			44mt	1.0	0	75	2	G04240	M105m
43	RG243K	4		MON	3.5	.20	TTL	4	5	0.0	5.0	6.0n			44mt	1.0	0	75	2	G04240	FP28
44	RG260D	4		MON	3.5	.20	TTL	8	11	0.0	5.0	8.0n			22mt	1.0	-55	125	1	G04240a	M105m
45	RG260K	4		MON	3.5	.20	TTL	8	11	0.0	5.0	8.0n			22mt	1.0	-55	125	1	G04240a	FP28
46	RG261D	4		MON	3.5	.20	TTL	8	6	0.0	5.0	8.0n			22mt	1.0	-55	125	1	G04240a	M105m
47	RG261K	4		MON	3.5	.20	TTL	8	6	0.0	5.0	8.0n			22mt	1.0	-55	125	1	G04240a	FP28
48	RG262D	4		MON	3.5	.20	TTL	8	9	0.0	5.0	8.0n			22mt	1.0	0	75	1	G04240a	M105m
49	RG262K	4		MON	3.5	.20	TTL	8	9	0.0	5.0	8.0n			22mt	1.0	0	75	1	G04240a	FP28
50	RG263D	4		MON	3.5	.20	TTL	8	5	0.0	5.0	8.0n			22mt	1.0	0	75	1	G04240a	M105m
51	RG263K	4		MON	3.5	.20	TTL	8	5	0.0	5.0	8.0n			22mt	1.0	0	75	1	G04240a	FP28
52#	ZN5400E	4		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		M126
53#	ZN5400F	4		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		TO86
54#	ZN5401E	4		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		M126
55#	ZN5401F	4		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		TO86
56#	ZN5410E	4		MON	3.5	.20	TTL	3	10	0.0	5.0	29n			10m	1.0	-55	125	3		M126
57#	ZN5410F	4		MON	3.5	.20	TTL	3	10	0.0	5.0	29n			10m	1.0	-55	125	3		TO86
58#	ZN5420E	4		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
59#	ZN5420F	4		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
60#	ZN5430E	4		MON	3.5	.20	TTL	8	10	0.0	5.0	29n			10m	1.0	-55	125	1		M126
61#	ZN5430F	4		MON	3.5	.20	TTL	8	10	0.0	5.0	29n			10m	1.0	-55	125	1		TO86
62#	ZN5440E	4		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
63#	ZN5440F	4		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
64#	ZN7400E	4		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		M126
65#	ZN7400F	4		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		TO86
66#	ZN7401E	4		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		M126
67#	ZN7401F	4		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		TO86
68#	ZN7410E	4		MON	3.5	.20	TTL	3	10	0.0	5.0	29n			10m	1.0	-55	125	3		M126
69#	ZN7410F	4		MON	3.5	.20	TTL	3	10	0.0	5.0	29n			10m	1.0	-55	125	3		TO86
70#	ZN7420E	4		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
71#	ZN7420F	4		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
72#	ZN7430E	4		MON	3.5	.20	TTL	8	10	0.0	5.0	29n			10m	1.0	-55	125	1		M126
73#	ZN7430F	4		MON	3.5	.20	TTL	8	10	0.0	5.0	29n			10m	1.0	-55	125	1		TO86
74#	ZN7440E	4		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
75#	ZN7440F	4		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
76	MC2001F	4		MON	3.5	.25†	TTL	2	9	0.0	5.0	6.0n%	4.0n	2.5n	88mt	1.0	0	75	4	G04361	TO86
77	MC2001L,P%	4		MON	3.5	.25†	TTL	2	9	0.0	5.0	6.0n%	4.0n	2.5n	88mt	1.0	0	75	4	G04361	TO116
78	MC2003F	4		MON	3.5	.25†	TTL	4	9	0.0	5.0	6.0n%	4.0n	2.5n	44mt	1.0	0	75	2	G04361a	TO86
79	MC2003L,P%	4		MON	3.5	.25†	TTL	4	9	0.0	5.0	6.0n%	4.0n	2.5n	44mt	1.0	0	75	2	G04361a	TO116
80	MC2005F	4		MON	3.5	.25†	TTL	8	9	0.0	5.0	8.0n%	4.0n	3.0n	22mt	1.0	0	75	1	G04360a	TO86
81	MC2005L,P%	4		MON	3.5	.25†	TTL	8	9	0.0	5.0	8.0n%	4.0n	3.0n	22mt	1.0	0	75	1	G04360a	TO116
82	MC2007F	4		MON	3.5	.25†	TTL	3	9	0.0	5.0	6.0n%	4.0n	2.5n	66mt	1.0	0	75	3	G04360b	TO86
83	MC2007L,P%	4		MON	3.5	.25†	TTL	3	9	0.0	5.0	6.0n%	4.0n	2.5n	66mt	1.0	0	75	3	G04360b	TO116
84	MC2051F	4		MON	3.5	.25†	TTL	2	5	0.0	5.0	6.0n%	4.0n	2.5n	88mt	1.0	0	75	4	G04361	TO86
85	MC2051L,P%	4		MON	3.5	.25†	TTL	2	5	0.0	5.0	6.0n%	4.0n	2.5n	88mt	1.0	0	75	4	G04361	TO116
86	MC2053F	4		MON	3.5	.25†	TTL	4	5	0.0	5.0	6.0n%	4.0n	2.5n	44mt	1.0	0	75	2	G04361a	TO86
87	MC2053L,P%	4		MON	3.5	.25†	TTL	4	5	0.0	5.0	6.0n%	4.0n	2.5n	44mt	1.0	0	75	2	G04361a	TO116
88	MC2055F	4		MON	3.5	.25†	TTL	8	5	0.0	5.0	6.0n%	4.0n	3.0n	22mt	1.0	0	75	1	G04360a	TO86
89	MC2055L,P%	4		MON	3.5	.25†	TTL	8	5	0.0	5.0	8.0n%	4.0n	3.0n	22mt	1.0	0	75	1	G04360a	TO116
90	MC2057F	4		MON	3.5	.25†	TTL	3	5	0.0	5.0	6.0n%	4.0n	2.5n	66mt	1.0	0	75	3	G04360b	TO86
91	MC2057L,P%	4		MON	3.5	.25†	TTL	3	5	0.0	5.0	6.0n%	4.0n	2.5n	66mt	1.0	0	75	3	G04360b	TO116
92	MC2101F	4		MON	3.5	.25†	TTL	2	11	0.0	5.0	6.0n%	4.0n	2.5n	88mt	1.0	-55	125	4	G04361	TO86
93	MC2101L	4		MON	3.5	.25†	TTL	2	11	0	8	6.0n	4.0n	2.5n	88mt	1.0	-55	125	4	G04361	TO116
94	MC2103F	4		MON	3.5	.25†	TTL	4	11	0.0	5.0	6.0n%	4.0n	2.5n	44mt	1.0	-55	125	2	G04361a	TO86
95	MC2103L	4		MON	3.5	.25†	TTL	4	11	0	8	6.0n	4.0n	2.5n	44mt	1.0	-55	125	2	G04361a	TO116
96	MC2105F	4		MON	3.5	.25†	TTL	8	11	0.0	5.0	6.0n%	4.0n	3.0n	22mt	1.0	-55	125	1	G04360a	TO86
97	MC2105L	4		MON	3.5	.25†	TTL	8	11	0	8	8.0n	4.0n	3.0n	22mt	1.0	-55	125	1	G04360a	TO116
98	MC2107F	4		MON	3.5	.25†	TTL	3	11	0.0	5.0	6.0n%	4.0n	2.5n	66mt	1.0	-55	125	3	G04360b	TO86
99	MC2107L	4		MON	3.5	.25†	TTL	3	11	0	8	6.0n	4.0n	2.5n	66mt	1.0	-55	125	3	G04360b	TO116
100	MC2151F	4		MON	3.5	.25†	TTL	2	6	0.0	5.0	6.0n%	4.0n	2.5n	88mt	1.0	-55	125	4	G04361	TO86
101	MC2151L	4		MON	3.5	.25†	TTL	2	6	0	8	6.0n	4.0n	2.5n	88mt	1.0	-55	125	4	G04361	TO116
102	MC2153F	4		MON	3.5	.25†	TTL	4	6	0.0	5.0	6.0n%	4.0n	2.5n	44mt	1.0	-55	125	2	G04361a	TO86
103	MC2153L	4		MON	3.5	.25†	TTL	4	6	0	8	6.0n	4.0n	2.5n	44mt	1.0	-55	125	2	G04361a	TO116
104	MC2155F	4		MON	3.5	.25†	TTL	8	6	0.0	5.0	6.0n%	4.0n	3.0n	22mt	1.0	-55	125	1	G04360a	TO86
105	MC2155L	4		MON	3.5	.25†	TTL	8	6	0	8	8.0n	4.0n	3.0n	22mt	1.0	-55	125	1	G04360a	TO116
106	MC2157F	4		MON	3.5	.25†	TTL	3	6	0.0	5.0	6.0n%	4.0n	2.5n	66mt	1.0	-55	125	3	G04360b	TO86
107	MC2157L	4		MON	3.5	.25†	TTL	3	6	0	8	6.0n	4.0n	2.5n	66mt	1.0	-55	125	3	G04360b	TO116
108	SP357A	4		MON	3.5%	.60†*	TTL	2	40	0.0	5.0	50nΔ			92mΔ	300m*	0	75	4	G04436	TO116
109	T200	4	15M	PCB	5.0	0.0	TTL	2	10	0.0	5.0	8.0n			435m%	1.0			16	G043m	CB☑
110	T201	4	15M	PCB	5.0	0.0	TTL	3	10	0.0	5.0	8.0n			325m%	1.0			12	G043c	CB☑

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	T202	4	15M	PCB	5.0	0.0	TTL	4	10	0.0	5.0	8.0n			215m%	1.0			8	G043u	CB∅
2	T203	4	15M	PCB	5.0	0.0	TTL	2	30	0.0	5.0	8.0n			1.0 %	1.0			12	G043n	CB∅
3	T207	4	15M	PCB	5.0	0.0	TTL	4	30	0.0	5.0	10n			720m%	1.0			8	G043u	CB∅
4	T208	4	15M	PCB	5.0	0.0	TTL	8	10	0.0	5.0	8.0n			110m%	1.0			4	G043aa	CB∅
5	TNG5611F	4		MON	5.0%	.6*†	TTL	2	36	0	8	16nΔ			120m†	450mΔ	-55	125	4	G04330	FP21c
6	TNG5612F	4		MON	5.0%	.6*†	TTL	2	36	0	7	16nΔ			120m†	450mΔ	0	75	4	G04330	FP21c
7▼#	FLH201T7401S3	4		MON	5.5∅∅	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 Δ	0	70	4	G04233e	M126p
8▼#	FLH205T8401S3	4		MON	5.5∅∅	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 Δ	-25	85	4	G04233e	M126p
9▼#	FLH291T7403S3	4		MON	5.5∅∅	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 Δ	0	70	4	G04233b	M126p
10▼#	FLH295T8403S3	4		MON	5.5∅∅	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 Δ	-25	85	4	G04233b	M126p
11	UL02C	4	1.0MΔ	MOS	-9%	-3.5*	TTL	8	2	30	0	1.0u			760m	1.0	-55	175	2	G04375	FP34
12	M200	4	3.0M	PCB	10	0.0	TTL	2	50	0.0	10	65n	20n	20n			-55	95	16		CB∅
13	M202	4	3.0M	PCB	10	0.0	TTL	3	50	0.0	10	40n	20n	20n			-55	95	12		CB∅
14	M204	4	3.0M	PCB	10	0.0	TTL	4	50	0.0	10	130n	20n	20n			-55	95	8		CB∅
15	TRWG393#1	4		MON	10	.70	TTL	10	8	0.0	12	100n	80n	30n	45m	6.0	-55	125	4		M157
16	TRWG393#2	4		MON	10	.70	TTL	10	8	0.0	12	100n	80n	30n	45m	6.0	-55	125	4		M126
17	TRWG394#1	4		MON	10	.70	TTL	16	12	0.0	12	100n	80n	30n	28m	6.0	-55	125	2		M157
18	TRWG394#2	4		MON	10	.70	TTL	16	12	0.0	12	100n	80n	30n	28m	6.0	-55	125	2		M126
19	TRWG395#1	4		MON	10	.70	TTL	16	12	0.0	12	100n	80n	30n	51m	6.0	-55	125	2		M157
20	TRWG395#2	4		MON	10	.70	TTL	16	12	0.0	12	100n	80n	30n	51m	6.0	-55	125	2		M126
21	MC5426L	4		MON	15%	.40*†	TTL	2	10	0.0	5.0	17n%			40m†		-55	125	4	G04450	TO116
22	MC7426L,P%	4		MON	15%	.40*†	TTL	2	10	0.0	5.0	17n%			40m†		0	70	4	G04450	TO116
23▼#	FLH201S7401S1	4		MON	15∅∅	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 Δ	0	70	4	G04233e	M126p
24▼#	FLH205S8401S1	4		MON	15∅∅	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 Δ	-25	85	4	G04233e	M126p
25▼#	FLH291S7403S1	4		MON	15∅∅	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 Δ	0	70	4	G04233b	M126p
26▼#	FLH295S8403S1	4		MON	15∅∅	.80*	TTL	2	10	0.0	5.0	45nΔ			110m§	1.0 Δ	-25	85	4	G04233b	M126p
27#	MIC930R3D	4,3		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.0	80nΔ			32m§	700m	-40	85	2	G0427a	M294b
28#	MIC930R6D	4,3		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.0	80nΔ			32m§	700m	-20	75	2	G0427a	M294b
29#	MIC930R7D	4,3		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.0	80nΔ			40m§	700m	0	75	2	G0427a	M294b
30#	MIC932R3D	4,3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	80nΔ			133m§	700m	-40	85	2	G04154a	M294b
31#	MIC932R6D	4,3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	80nΔ			133m§	700m	-20	75	2	G04154a	M294b
32#	MIC932R7D	4,3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	80nΔ			150m§	700m	0	75	2	G04154a	M294b
33#	MIC936R3D	4,3		MON	1.9%	1.1*	DTL	1	8	0.0	5.0	80nΔ			97m§	700m	-40	85	6	G04310e	M294b
34#	MIC936R6D	4,3		MON	1.9%	1.1*	DTL	1	8	0.0	5.0	80nΔ			97m§	700m	-20	75	6	G04310e	M294b
35#	MIC936R7D	4,3		MON	1.9%	1.1*	DTL	1	8	0.0	5.0	80nΔ			120m§	700m	0	75	6	G04310e	M294b
36#	MIC944R3D	4,3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	50nΔ			100m§	700m	-40	85	2	G0589a	M294b
37#	MIC944R6D	4,3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	50nΔ			100m§	700m	-20	75	2	G0589a	M294b
38#	MIC944R7D	4,3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	50nΔ			100m§	700m	0	75	2	G0589a	M294b
39#	MIC946R3D	4,3		MON	1.9%	1.1*	DTL	2	8	0.0	5.0	80nΔ			65m§	700m	-40	85	4	G04217a	M294b
40#	MIC946R6D	4,3		MON	1.9%	1.1*	DTL	2	8	0.0	5.0	80nΔ			65m§	700m	-20	75	4	G04217a	M294b
41#	MIC946R7D	4,3		MON	1.9%	1.1*	DTL	2	8	0.0	5.0	80nΔ			80m§	700m	0	75	4	G04217a	M294b
42#	MIC962R3D	4,3		MON	1.9%	1.1*	DTL	3	8	0.0	5.0	80nΔ			48m§	700m	-40	85	3	G04217b	M294b
43#	MIC962R6D	4,3		MON	1.9%	1.1*	DTL	3	8	0.0	5.0	80nΔ			48m§	700m	-20	75	3	G04217b	M294b
44#	MIC962R7D	4,3		MON	1.9%	1.1*	DTL	3	8	0.0	5.0	80nΔ			60m§	700m	0	75	3	G04217b	M294b
45	RC6172T	4,3		MON	2.0%	1.0*	DTL	3	11	0	6.0	40n			40m†	550m	0	75	2	G0428d	TO101
46	RM6172T	4,3		MON	2.0%	1.0*	DTL	3	11	0	6.0	40n			40m†	550m	-55	125	2	G0428d	TO101
47	RG222BL	4,3		MON	3.0%	.40*	TTL	2	9	0.0	5.0	10nΔ	4.0n	2.5n	88m†	1.0	0	75	4	G04240b	FC5
48	RG223BL	4,3		MON	3.0%	.40*	TTL	2	5	0.0	5.0	10nΔ	4.0n	2.5n	88m†	1.0	0	75	4	G04240b	FC5
49	RG242BL	4,3		MON	3.0%	.40*	TTL	4	9	0.0	5.0	10nΔ	4.0n	2.5n	44m†	1.0	0	75	2	G04240	FC5a
50	RG243BL	4,3		MON	3.0%	.40*	TTL	4	5	0.0	5.0	10nΔ	4.0n	2.5n	44m†	1.0	0	75	2	G04240	FC5a
51	RG262BL	4,3		MON	3.0%	.40*	TTL	8	9	0.0	5.0	12nΔ	4.0n	3.0n	22m†	1.0	0	75	1	G04240d	FC5a
52	RG263BL	4,3		MON	3.0%	.40*	TTL	8	5	0.0	5.0	12nΔ	4.0n	3.0n	22m†	1.0	0	75	1	G04240d	FC5a
53	RG220BL	4,3		MON	3.1%	.40*	TTL	2	11	0.0	5.0	10nΔ	4.0n	2.5n	88m†	1.0	-55	125	4	G04240b	FC5
54	RG221BL	4,3		MON	3.1%	.40*	TTL	2	6	0.0	5.0	10nΔ	4.0n	2.5n	88m†	1.0	-55	125	4	G04240b	FC5
55	RG240BL	4,3		MON	3.1%	.40*	TTL	4	11	0.0	5.0	10nΔ	4.0n	2.5n	44m†	1.0	-55	125	2	G04240	FC5a
56	RG241BL	4,3		MON	3.1%	.40*	TTL	4	6	0.0	5.0	10nΔ	4.0n	2.5n	44m†	1.0	-55	125	2	G04240	FC5a
57	RG260BL	4,3		MON	3.1%	.40*	TTL	8	11	0.0	5.0	12nΔ	4.0n	3.0n	22m†	1.0	-55	125	1	G04240d	FC5a
58	RG261BL	4,3		MON	3.1%	.40*	TTL	8	6	0.0	5.0	12nΔ	4.0n	3.0n	22m†	1.0	-55	125	1	G04240d	FC5a
59	MC453F	4,3,1		MON	3.3	.25	TTL	8	6	0.0	5.0	11n	8.0n	6.0n	35m†	900m	0	75	1	G04359	TO86
60	MC403F	4,3,1		MON	3.3	.26	TTL	8	12	0.0	5.0	11n	8.0n	6.0n	35m†	900m	0	75	1	G04359	TO86
61	MC403L,P%	4,3,1		MON	3.3	.26	TTL	8	12	0.0	5.0	11n	8.0n	6.0n	35m†	900m	0	75	1	G04359	TO116
62	MC453L,P%	4,3,1		MON	3.3	.26	TTL	8	6	0.0	5.0	11n	8.0n	6.0n	35m†	900m	0	75	1	G04359	TO116
63	MC503F	4,3,1		MON	3.3	.26	TTL	8	15	0.0	5.0	11n	8.0n	6.0n	35m†	900m	-55	125	1	G04359	TO86
64	MC503L	4,3,1		MON	3.3	.26	TTL	8	15	0	8	11n	8.0n	6.0n	35m†	900m	-55	125	1	G04359	TO116
65	MC553F	4,3,1		MON	3.3	.26	TTL	8	7	0.0	5.0	11n	8.0n	6.0n	35m†	900m	-55	125	1	G04359	TO86
66	MC553L	4,3,1		MON	3.3	.26	TTL	8	7	0	8	11n	8.0n	6.0n	35m†	900m	-55	125	1	G04359	TO116
67♦	MC14501AL	4,3G		MOS	9.99%	.01*†	CMS	4†	50	0.0	10	20n%	30n†	30n†	1.0u		-55	125	2	G04452	M191
68♦	MC14501CL	4,3G		MOS	9.99%	.01*†	CMS	4†	50	0.0	10	20n%	30n†	30n†	10u		-40	85	2	G04452	M191
69♦	MC14501CP	4,3G		MOS	9.99%	.01*†	CMS	4†	50	0.0	10	20n%	30n†	30n†	10u		-40	85	2	G04452	M278
70	MC962G	4C		MON	2.6%	.40*	DTL	2†	8	0.0	5.0	30n%			30m†		-55	125	3	G04229e	TO100
71	MC963G	4C		MON	2.6%	.40*	DTL	2†	7	0.0	5.0	25n%			45m†		-55	125	3	G04229e	TO100
72	MC862G	4C		MON	2.6%	.45*	DTL	2†	8	0.0	5.0	30n%			30m†		0	75	3	G04229e	TO100
73	MC863G	4C		MON	2.6%	.45*	DTL	2†	7	0.0	5.0	25n%			45m†		0	75	3	G04229e	TO100
74	332AJ	4C		MON	6.5*	5.0%	DTL	2†	5	0.0	15	350nΔ			630m†	3.2	-30	70	6	G04457	M319
75	332AL	4C		MON	6.5*	5.0%	DTL	2†	5	0.0	15	350nΔ			630m†	3.2	-30	70	6	G04457	M200j
76	332BL	4C		MON	6.5*	5.0%	DTL	2†	5	0.0	12	350nΔ			336m†	3.5	-55	125	6	G04457	M200j
77	332CJ	4C		MON	6.5*	5.0%	DTL	2†	5	0.0	12	350nΔ			336m†	3.5	-30	85	6	G04457	M319
78	332CL	4C		MON	6.5*	5.0%	DTL	2†	5	0.0	12	350nΔ			336m†	3.5	-30	85	6	G04457	M200j
79	332ML	4C		MON	6.5*	5.0%	DTL	2†	5	0.0	15	350nΔ			630m†	3.2	-55	125	6	G04457	M200j
80	333AL	4C		MON	6.5*	5.0%	DTL	2†	5	0.0	15	350nΔ			900m†	3.2	-30	70	6	G04458	M200j
81	333BL	4C		MON	6.5*	5.0%	DTL	2†	5	0.0	12	350nΔ			504m†	3.5	-55	125	6	G04458	M200j
82	333CJ	4C		MON	6.5*	5.0%	DTL	2†	5	0.0	12	350nΔ			504m†	3.5	-30	85	6	G04458	M319
83	333CL	4C		MON	6.5*	5.0%	DTL	2†	5	0.0	12	350nΔ			504m†	3.5	-30	85	6	G04458	M200j
84	333ML	4C		MON	6.5*	5.0%	DTL	2†	5	0.0	15	350nΔ			900m†	3.2	-55	125	6	G04458	M200j
85♦#	FLH251-4929	4C		MON	2.0%	.80*	TTL	2†	10	0.0	5.0	22nΔ			220m§	1.0 Δ	0	70	6	G04424a	M117w
86♦#	FLH255-49829	4C		MON	2.0%	.80*	TTL	2†	10	0.0	5.0	22nΔ			220m§	1.0 Δ	-25	85	6	G04424a	M117w
87	DM8810N	4E		MOS	2.0%	.80*	TTL	2		0.0	5.0	12n					0	70	4	G04387c	M126d
88	DM8811N	4E		MOS	2.0%	.80*	TTL	2		0.0	5.0	12n					0	70	4	G04387c	M126d
89♦#	FZH261	4G		MON	7.5%	4.5*	DTL	3†	10	0.0	12				216m§						M117aa
90♦#	FZH265	4G		MON	7.5%	4.5*	DTL	3†	10	0.0	12				216m§						M117aa
91	B123	4M	10M	PCB	0.0	-3.0		3		15	10	12n			40m	500m	-20	65	4	G04270	CB31
92	SP659A	4M		MON			DTL	5Δ	8	0.0	4.5	55n			90m†	2.0	0	75	2	G04227c	M105ae
93	SN15832N	4M		MON		.45†*	DTL	5Δ	25	0.0	8.0	80nΔ			10m†		0	75	2	G04218	M75a
94	R113	4M	10M	PCB	0.0	-3.0	DTL	2		15	10				40m	1.0	-20	65	5	G04246	CB31
95	R123	4M	10M	PCB	0.0	-3.0	DTL	3		15	10				40m	1.0	-20	65	3	G04248	CB31
96#	E301D2	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	150nΔ			2.0m†	450m	-55	125	2	G04416	FP28c
97#	E301D7	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	150nΔ			2.0m†	450m	-20	100	2	G04416	FP28c
98#	E301F2	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	150nΔ			2.0m†	450m	-55	125	2	G04416	M105e
99#	E301F7	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	150nΔ			2.0m†	450m	-20	100	2	G04416	M105e
100#	E302D2	4M		MON	1.7%	.90*	DTL	2	10	0.0	5.0	90nΔ			4.0m†	450m	-55	125	4	G04417	FP28c
101#	E302D7	4M		MON	1.7%	.90*	DTL	2	10	0.0	5.0	90nΔ			4.0m†	450m	-20	100	4	G04417	FP28c

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	[6] TYPE No.	[1] TYPE OF GATE	[5] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [3] '1' (V)	LOGIC LEVEL [4] '0' (V)	LOGIC TYPE [2]	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	E302F2	4M		MON	1.7%	.90*	DTL	2	10	0.0	5.0	90nΔ			4.0mt	450m	-55	125	4	G04417	M105e
2#	E302F7	4M		MON	1.7%	.90*	DTL	2	10	0.0	5.0	90nΔ			4.0mt	450m	-20	100	4	G04417	M105e
3#	E303D2	4M		MON	1.7%	.90*	DTL	3	10	0.0	5.0	100nΔ			3.0mt	450m	-55	125	3	G04417a	FP28c
4#	E303D7	4M		MON	1.7%	.90*	DTL	3	10	0.0	5.0	100nΔ			3.0mt	450m	-20	100	3	G04417a	FP28c
5#	E303F2	4M		MON	1.7%	.90*	DTL	3	10	0.0	5.0	100nΔ			3.0mt	450m	-55	125	3	G04417a	M105e
6#	E303F7	4M		MON	1.7%	.90*	DTL	3	10	0.0	5.0	100nΔ			3.0mt	450m	-20	100	3	G04417a	M105e
7#	E304D2	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	100nΔ			2.0mt	450m	-55	125	2	G04417b	FP28c
8#	E304D7	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	100nΔ			2.0mt	450m	-20	100	2	G04417b	FP28c
9#	E304F2	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	100nΔ			2.0mt	450m	-55	125	2	G04417b	M105e
10#	E304F7	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	100nΔ			2.0mt	450m	-20	100	2	G04417b	M105e
11#	E305D2	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	150nΔ			2.0mt	450m	-55	125	2	G04418	FP28c
12#	E305D7	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	150nΔ			2.0mt	450m	-20	100	2	G04418	FP28c
13#	E305F2	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	150nΔ			2.0mt	450m	-55	125	2	G04418	M105e
14#	E305F7	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	150nΔ			2.0mt	450m	-20	100	2	G04418	M105e
15#	E306D2	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	400nΔ			2.0mt	450m	-55	125	2	G04395	FP28c
16#	E306D7	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	400nΔ			2.0mt	450m	-20	100	2	G04395	FP28c
17#	E306F2	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	400nΔ			2.0mt	450m	-55	125	2	G04395	M105e
18#	E306F7	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	400nΔ			2.0mt	450m	-20	100	2	G04395	M105e
19#	9934BC	4M		MON	1.8%	1.2*	DTL	5	10	0.0	5.0	100nΔ			17mt	1.0 Δ	0	75	2	G0427k	M126u
20#	9934DC	4M		MON	1.8%	1.2*	DTL	5	10	0.0	5.0	100nΔ			17mt	1.0 Δ	0	75	2	G0427k	M294
21#	9934FC	4M		MON	1.8%	1.2*	DTL	5	10	0.0	5.0	100nΔ			17mt	1.0 Δ	0	75	2	G0427k	FP28g
22	SW930-1P	4M		MON	1.8%	1.2*	DTL	5Δ	8	0.0	5.0	30n%			16mt	1.0 Δ	-55	125	2	G0492	TO116
23	SW930-2M	4M		MON	1.8%	1.2*	DTL	5Δ	8	0.0	5.0	30n%			16mt	800mΔ	0	75	2	G0492	M105n
24	SW930-2P	4M		MON	1.8%	1.2*	DTL	5Δ	8	0.0	5.0	30n%			16mt	800mΔ	0	75	2	G0492	TO116
25	SW932-1P	4M		MON	1.8%	1.2*	DTL	5Δ	25	0.0	5.0	35n%			60mt	1.0 Δ	-55	125	2	G04207a	TO116
26	SW932-2M	4M		MON	1.8%	1.2*	DTL	5Δ	25	0.0	5.0	35n%			60mt	800mΔ	0	75	2	G04207a	M105n
27	SW932-2P	4M		MON	1.8%	1.2*	DTL	5Δ	25	0.0	5.0	35n%			60mt	800mΔ	0	75	2	G04207a	TO116
28	SW944-1P	4M		MON	1.8%	1.2*	DTL	5Δ	27	0.0	5.0	25n%			44mt	1.0 Δ	-55	125	2	G04154	TO116
29	SW944-2M	4M		MON	1.8%	1.2*	DTL	5Δ	27	0.0	5.0	25n%			44mt	800mΔ	0	75	2	G04154	M105n
30	SW944-2P	4M		MON	1.8%	1.2*	DTL	5Δ	27	0.0	5.0	25n%			44mt	800mΔ	0	75	2	G04154	TO116
31	SW946-1P	4M		MON	1.8%	1.2*	DTL	2	8	0.0	5.0	30n%			32mt	1.0 Δ	-55	125	4	G0492g	TO116
32	SW946-2M	4M		MON	1.8%	1.2*	DTL	2	8	0.0	5.0	30n%			32mt	800mΔ	0	75	4	G0492g	M105n
33	SW946-2P	4M		MON	1.8%	1.2*	DTL	2	8	0.0	5.0	30n%			32mt	800mΔ	0	75	4	G0492g	TO116
34	SW949-1P	4M		MON	1.8%	1.2*	DTL	2	7	0.0	5.0	20n%			48mt	1.0 Δ	-55	125	4	G0492g	TO116
35	SW949-2M	4M		MON	1.8%	1.2*	DTL	2	7	0.0	5.0	20n%			48mt	800mΔ	0	75	4	G0492g	M105n
36	SW949-2P	4M		MON	1.8%	1.2*	DTL	2	7	0.0	5.0	20n%			48mt	800mΔ	0	75	4	G0492g	TO116
37	SW961-1P	4M		MON	1.8%	1.2*	DTL	5Δ	7	0.0	5.0	20n%			24mt	1.0 Δ	-55	125	2	G0492	TO116
38	SW961-2M	4M		MON	1.8%	1.2*	DTL	5Δ	7	0.0	5.0	20n%			24mt	800mΔ	0	75	2	G0492	M105n
39	SW961-2P	4M		MON	1.8%	1.2*	DTL	5Δ	7	0.0	5.0	20n%			24mt	800mΔ	0	75	2	G0492	TO116
40	SW962-1P	4M		MON	1.8%	1.2*	DTL	3	8	0.0	5.0	30n%			24mt	1.0 Δ	-55	125	3	G0492b	TO116
41	SW962-2M	4M		MON	1.8%	1.2*	DTL	3	8	0.0	5.0	30n%			24mt	800mΔ	0	75	3	G0492b	M105n
42	SW962-2P	4M		MON	1.8%	1.2*	DTL	3	8	0.0	5.0	30n%			24mt	800mΔ	0	75	3	G0492b	TO116
43	SW963-1P	4M		MON	1.8%	1.2*	DTL	3	7	0.0	5.0	20n%			36mt	1.0 Δ	-55	125	3	G0492b	TO116
44	SW963-2M	4M		MON	1.8%	1.2*	DTL	3	7	0.0	5.0	20n%			36mt	800mΔ	0	75	3	G0492b	M105n
45	SW963-2P	4M		MON	1.8%	1.2*	DTL	3	7	0.0	5.0	20n%			36mt	800mΔ	0	75	3	G0492b	TO116
46	9949DM	4M		MON	1.9%	1.1*	DTL	2		0.0	5.0	50nΔ			34mt	1.0 Δ	-55	125	4	G0492a	M157
47	9949FM	4M		MON	1.9%	1.1*	DTL	2		0.0	5.0	50nΔ			34mt	1.0 Δ	-55	125	4	G0492a	FP28c
48	9961DM	4M		MON	1.9%	1.1*	DTL	5Δ		0.0	5.0	50nΔ			17mt	1.0 Δ	-55	125	2	G0492	M157
49	9961FM	4M		MON	1.9%	1.1*	DTL	5Δ		0.0	5.0	50nΔ			17mt	1.0 Δ	-55	125	2	G0492	FP28c
50	9963DM	4M		MON	1.9%	1.1*	DTL	3		0.0	5.0	50nΔ			25mt	1.0 Δ	-55	125	3	G0492b	M157
51	9963FM	4M		MON	1.9%	1.1*	DTL	3		0.0	5.0	50nΔ			25mt	1.0 Δ	-55	125	3	G0492b	FP28c
52#	M5930P	4M		MON	1.9%	1.1*	DTL	5Δ	8	0.0	8.0	25n%			8.5mt	1.0 Δ	0	75	2	G0492	M105j
53#	M5932P	4M		MON	1.9%	1.1*	DTL	5Δ	25	0.0	8.0	35n%			26mt	1.0 Δ	0	75	2	G04207a	M105j
54#	M5944P	4M		MON	1.9%	1.1*	DTL	5Δ	27	0.0	8.0	40n%			20mt	1.0 Δ	0	75	2	G04154	M105j
55#	M5946P	4M		MON	1.9%	1.1*	DTL	2	8	0.0	8.0	25n%			8.5mt	1.0 Δ	0	75	4	G0492a	M105j
56#	M5949P	4M		MON	1.9%	1.1*	DTL	2	7	0.0	8.0	20n%			12mt	1.0 Δ	0	75	4	G0492a	M105j
57#	M5961P	4M		MON	1.9%	1.1*	DTL	5Δ	7	0.0	8.0	20n%			12mt	1.0 Δ	0	75	2	G0492	M105j
58#	M5962P	4M		MON	1.9%	1.1*	DTL	3	8	0.0	8.0	25n%			8.5mt	1.0 Δ	0	75	3	G0492b	M105j
59#	M5963P	4M		MON	1.9%	1.1*	DTL	3	7	0.0	8.0	20n%			12mt	1.0 Δ	0	75	3	G0492b	M105j
60#	FCH231	4M		MON	2.0%	.80*	DTL	5Δ	10	0	5	93n	18n	8.0n	11m	1.2	0	70	2	G0470b	TO116
61	RC6178T	4M		MON	2.0%	1.0*	DTL	3†	11	0	6.0	48n			33mt	550m	0	75	3	G0469d	TO101
62	RC6179T	4M		MON	2.0%	1.0*	DTL	3†	11	0	6.0	48n			33mt	550m	0	75	3	G0469d	TO101
63	RC6180T	4M		MON	2.0%	1.0*	DTL	2†	11	0	6.0	48n			44mt	550m	0	75	4	G0464f	TO101
64	RC6181T	4M		MON	2.0%	1.0*	DTL	2†	11	0	6.0	48n			44mt	550m	0	75	4	G0464f	TO101
65	RC6184T	4M		MON	2.0%	1.0*	DTL	3†	11	0	6.0	48n			33mt	550m	0	75	3	G0469e	TO101
66	RC6185T	4M		MON	2.0%	1.0*	DTL	3†	11	0	6.0	48n			33mt	550m	0	75	3	G0469e	TO101
67	RM201D	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	40n			22mt	550m	-55	125	2		M105k
68	RM201G	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	40n			22mt	550m	-55	125	2	G0428	TO84
69	RM201T	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	40n			22mt	550m	-55	125	2	G0428	TO101
70	RM204D	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	57n			11mt	550m	-55	125	1		M105k
71	RM204G	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	57n			11mt	550m	-55	125	1	G0428e	TO84
72	RM204T	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	57n			11mt	550m	-55	125	1	G0428e	TO101
73	RM206D	4M		MON	2.0%	1.0*	DTL	3†	11	0	6.0	48n			33mt	550m	-55	125	3		M105k
74	RM206G	4M		MON	2.0%	1.0*	DTL	3†	11	0	6.0	48n			33mt	550m	-55	125	3	G0428k	TO84
75	RM211D	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n			22mt	550m	-55	125	2		M105k
76	RM211G	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n			22mt	550m	-55	125	2	G0428a	TO84
77	RM211T	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n			22mt	550m	-55	125	2	G0428a	TO101
78	RM214D	4M		MON	2.0%	1.0*	DTL	7Δ	11	0	6.0	57n			11mt	550m	-55	125	1		M105k
79	RM214G	4M		MON	2.0%	1.00*	DTL	7Δ	11	0	6.0	57n			11mt	550m	-55	125	1	G0428m	TO84
80	RM214T	4M		MON	2.0%	1.0*	DTL	7Δ	11	0	6.0	57n			11mt	550m	-55	125	1	G0428f	TO101
81	RM216D	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	48n			33mt	550m	-55	125	3		M105k
82	RM216G	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	48n			33mt	550m	-55	125	3	G0428j	TO84
83	RM221D	4M		MON	2.0%	1.0*	DTL	4Δ	11	0	6.0	40n			22mt	550m	-55	125	2		M105k
84	RM221G	4M		MON	2.0%	1.0*	DTL	4Δ	11	0	6.0	40n			22mt	550m	-55	125	2	G0428b	TO84
85	RM221T	4M		MON	2.0%	1.0*	DTL	4Δ	11	0	6.0	40n			22mt	550m	-55	125	2	G0428b	TO101
86	RM224D	4M		MON	2.0%	1.0*	DTL	9Δ	11	0	6.0	57n			11mt	550m	-55	125	1		M105k
87	RM224G	4M		MON	2.0%	1.0*	DTL	10Δ	11	0	6.0	57n			11mt	550m	-55	125	1	G0428h	TO84
88	RM224T	4M		MON	2.0%	1.0*	DTL	9Δ	11	0	6.0	57n			11mt	550m	-55	125	1	G0428g	TO101
89	RM226D	4M		MON	2.0%	1.0*	DTL	3Δ	11	0	6.0	48n			60mt	550m	-55	125	3		M105k
90	RM226G	4M		MON	2.0%	1.0*	DTL	3Δ	11	0	6.0	48n			60mt	550m	-55	125	3	G0464b	TO84
91	RM231D	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	40n			22mt	550m	-55	125	2		M105k
92	RM231G	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	40n			22mt	550m	-55	125	2	G0428c	TO84
93	RM231T	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	40n			22mt	550m	-55	125	2		TO101
94	RM234D	4M		MON	2.0%	1.0*	DTL	10Δ	11	0	6.0	57n			20mt	550m	-55	125	1		M105k
95	RM234G	4M		MON	2.0%	1.0*	DTL	10Δ	11	0	6.0	57n			20mt	550m	-55	125	1	G0469c	TO84
96	RM234T	4M		MON	2.0%	1.0*	DTL	10Δ	11	0	6.0	57n			20mt	550m	-55	125	1	G0469f	TO101
97	RM236D	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	48n			60mt	550m	-55	125	3		M105k
98	RM236G	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	48n			60mt	550m	-55	125	3	G0464g	TO84
99	RM241D	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n			40mt	550m	-55	125	2		M105k
100	RM241G	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n			40mt	550m	-55	125	2	G0464c	TO84
101	RM241T	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n			40mt	550m	-55	125	2	G0464h	TO101
102	RM246D	4M		MON	2.0%	1.0*	DTL	2	11	0	6.0	48n			44mt	550m	-55	125	4		M105k
103	RM246G	4M		MON	2.0%	1.0*	DTL	2	11	0	6.0	48n			44mt	550m	-55	125	4	G0467a	TO84
104	RM261D	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	40n			40mt	550m	-55	125	2		M105k
105	RM261G	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	40n			40mt	550m	-55	125	2	G0464d	TO84
106	RM266D	4M		MON	2.0%	1.0*	DTL	2	11	0	6.0	48n			44mt	550m	-55	125	4		M105k
107	RM266G	4M		MON	2.0%	1.0*	DTL	2	11	0	6.0	48n			44mt	550m	-55	125	4	G0467a	TO84
108	RM930J	4M		MON	2.0%	1.0*	DTL	5Δ	8	0	5.0	30n			17mt	500m	-55	125	2	G0427a	FP28
109	RM930T	4M		MON	2.0%	1.0*	DTL	3†	8	0	5.0	30n			17mt	500m	-55	125	2	G0427p	TO100
110	RM932J	4M		MON	2.0%	1.0*	DTL	5Δ	25	0	5.0	35n			56mt	500m	-55	125	2		FP28

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPA-GATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	RM932T	4M		MON	2.0%	1.0*	DTL	5Δ	25	0	5.0	35n			56m†	500m	-55	125	2		TO101
2	RM944D	4M		MON	2.0%	1.0*	DTL	5Δ	25	0	5.0	30n			44m†	500m	-55	125	2		M105m
3	RM944J	4M		MON	2.0%	1.0*	DTL	5Δ	25	0	5.0	30n			44m†	500m	-55	125	2		FP28
4	RM944T	4M		MON	2.0%	1.0*	DTL	3†	25	0	5.0	30n			44m†	500m	-55	125	2		TO101
5	RM946D	4M		MON	2.0%	1.0*	DTL	2	8	0	5	30n			36m†	500m	-55	125	4		M105m
6	RM946J	4M		MON	2.0%	1.0*	DTL	2	8	0	5	30n			36m†	500m	-55	125	4		FP28
7	RM946T	4M		MON	2.0%	1.0*	DTL	2	8	0	5	30n			36m†	500m	-55	125	4		TO101
8	RM949D	4M		MON	2.0%	1.0*	DTL	2	7	0	5	25n			36m†	500m	-55	125	4		M105m
9	RM949J	4M		MON	2.0%	1.0*	DTL	2	7	0	5	25n			36m†	500m	-55	125	4		FP28
10	RM949T	4M		MON	2.0%	1.0*	DTL	2	7	0	5	25n			36m†	500m	-55	125	4		TO101
11	RM961D	4M		MON	2.0%	1.0*	DTL	5Δ	7	0	5.0	25n			17m†	500m	-55	125	2	GO427a	M105m
12	RM961J	4M		MON	2.0%	1.0*	DTL	5Δ	7	0	5.0	25n			17m†	500m	-55	125	2	GO427a	FP28
13	RM961T	4M		MON	2.0%	1.0*	DTL	3†	7	0	5.0	25n			17m†	500m	-55	125	2	GO427p	TO100
14	RM962D	4M		MON	2.0%	1.0*	DTL	3	8	0	5	30n			24m†	500m	-55	125	3		M105m
15	RM962J	4M		MON	2.0%	1.0*	DTL	3	8	0	5	30n			24m†	500m	-55	125	3		FP28
16	RM962T	4M		MON	2.0%	1.0*	DTL	3	8	0	5	30n			24m†	500m	-55	125	3		TO101
17	RM963D	4M		MON	2.0%	1.0*	DTL	3	7	0	5.0	25n			21m†	500m	-55	125	3		M105m
18	RM963J	4M		MON	2.0%	1.0*	DTL	3	7	0	5.0	25n			21m†	500m	-55	125	3		FP28
19	RM963T	4M		MON	2.0%	1.0*	DTL	3	7	0	5.0	25n			21m†	500m	-55	125	3		TO101
20	RM6178T	4M		MON	2.0%	1.0*	DTL	3†	11	0	6.0	48n			33m†	550m	-55	125	3	GO469d	TO101
21	RM6179T	4M		MON	2.0%	1.0*	DTL	3†	11	0	6.0	48n			33m†	550m	-55	125	3	GO469d	TO101
22	RM6180T	4M		MON	2.0%	1.0*	DTL	2†	11	0	6.0	48n			44m†	550m	-55	125	4	GO464f	TO101
23	RM6181T	4M		MON	2.0%	1.0*	DTL	2†	11	0	6.0	48n			44m†	550m	-55	125	4	GO464f	TO101
24	RM6184T	4M		MON	2.0%	1.0*	DTL	3†	11	0	6.0	48n			33m†	550m	-55	125	3	GO469e	TO101
25	RM6185T	4M		MON	2.0%	1.0*	DTL	3†	11	0	6.0	48n			33m†	550m	-55	125	3	GO469e	TO101
26	9930HM	4M		MON	2.6%	.40†*	DTL	5Δ	27	0.0	8.0	36n			17m	1.0	-55	125	2	GO41e	FP28
27	9932HM	4M		MON	2.6%	.40†*	DTL	5Δ	8	0.0	8.0	36nΔ			17m	1.0	-55	125	2	GO4218	TO100
28	9944HM	4M		MON	2.6%	.40†*	DTL	5Δ	27	0.0	8.0	36n			17m	1.0	-55	125	2	GO4218a	TO100
29	9949DC	4M		MON	2.6%	.40†*	DTL	2	7	0.0	8.0	36n			36m	1.0	0	75	4	GO492a	TO116
30	9961DC	4M		MON	2.6%	.40†*	DTL	5Δ	7	0.0	8.0	36n			17m	1.0	0	75	2	GO492	TO116
31♦	9963DC	4M		MON	2.6%	.40†*	DTL	3	7	0.0	8.0	36n			25m	1.0	0	75	3	GO492b	TO116
32	SN15930	4M		MON	2.6%	.40†*	DTL	5Δ	8	0.0	8.0	80nΔ			10m		-55	125	2	GO4217	TO84
33	SN15944	4M		MON	2.6%	.40†*	DTL	5Δ	27	0.0	8.0	50nΔ			10m		-55	125	2	GO4218a	TO84
34	SN15946	4M		MON	2.6%	.40†*	DTL	2	8	0.0	8.0	80nΔ			20m		-55	125	4	GO4217a	TO84
35	SFC930E	4M		MON	2.6%	.45†*	DTL	5Δ	8	0.0	5.0	80nΔ			40m		0	75	2	GO41e	M126
36	SFC932E	4M		MON	2.6%	.45†*	DTL	5Δ	25	0.0	5.0	80nΔ			150m		0	75	2	GO4218	M126
37♦	SFC944E	4M		MON	2.6%	.45†*	DTL	5Δ		0.0	5.0	50nΔ			100m		0	75	2	GO4218a	M126
38	SFC946E	4M		MON	2.6%	.45†*	DTL	2	8	0.0	5.0	80nΔ			80m		0	75	4	GO427	M126
39	SFC962E	4M		MON	2.6%	.45†*	DTL	3	8	0.0	5.0	80nΔ			60m		0	75	3	GO492b	M126
40	SN15830	4M		MON	2.6%	.45*†	DTL	4Δ	8	0	8	80nΔ			10m†		0	75	2	GO4217	TO84
41	SN15830N	4M		MON	2.6†	.45	DTL	4Δ	8	0	8	80nΔ			10m†		0	75	2	GO4217	M126
42	SN15832	4M		MON	2.6%	.45*†	DTL	5Δ	25	0	8	80nΔ			10m†		0	75	2	GO4218	TO84
43	SN15846	4M		MON	2.6%	.45*†	DTL	2	8	0	8	80nΔ			20m†		0	75	4	GO4217a	TO84
44	SN15846N	4M		MON	2.6%	.45*†	DTL	2	8	0	8	80nΔ			20m†		0	75	4	GO4217a	M75a
45	SN15862	4M		MON	2.6%	.45*†	DTL	3	8	0	8	80nΔ			15m†		0	75	3	GO4217b	TO84
46	SN15862N	4M		MON	2.6%	.45*†	DTL	3	8	0	8	80nΔ			15m†		0	75	3	GO4217b	M75a
47	SN15932	4M		MON	2.6%	.45*†	DTL	5Δ	25	0	8	80nΔ			10m		-55	125	1	GO4218	TO84
48	SN533	4M		MON	2.7	.30	DTL	3	10	0	8	25n	45n	40n	24m	200m	-55	125	2	GO4200c	ZB5
49	SN15844	4M		MON	6.0%	.45*†	DTL	5Δ	27	0	8	50nΔ			10m†		0	75	2	GO4218a	TO84
50	SN15844N	4M		MON	6.0%	.45*†	DTL	5Δ	27	0	8	50nΔ			10m†		0	75	2	GO4218a	M75a
51♦#	H102D1	4M		MON	8.0%	6.0*	DTL	2	25	0.0	20	250nΔ			600m§	5.0 Δ	0	75	4	GO4432	M294
52♦#	H102D2	4M		MON	8.0%	6.0*	DTL	2	25	0.0	16	250nΔ			384m§	5.0 Δ	-55	125	4	GO4432	M443
53♦#	H102D6	4M		MON	8.0%	6.0*	DTL	2	25	0.0	16	250nΔ			384m§	5.0 Δ	-40	85	4	GO4432	M443a
54♦#	H103D1	4M		MON	8.0%	6.0*	DTL	3	25	0.0	20	250nΔ			450m§	5.0 Δ	0	75	3	GO4432a	M294
55♦#	H103D2	4M		MON	8.0%	6.0*	DTL	3	25	0.0	16	250nΔ			288m§	5.0 Δ	-55	125	3	GO4432a	M443
56♦#	H103D6	4M		MON	8.0%	6.0*	DTL	3	25	0.0	16	250nΔ			288m§	5.0 Δ	-40	85	3	GO4432a	M443a
57♦#	H104D1	4M		MON	8.0%	6.0*	DTL	5Δ	25	0.0	20	250nΔ			300m§	5.0 Δ	0	75	2	GO4432b	M294
58♦#	H104D2	4M		MON	8.0%	6.0*	DTL	5Δ	25	0.0	16	250nΔ			192m§	5.0 Δ	-55	125	2	GO4432b	M443
59♦#	H104D6	4M		MON	8.0%	6.0*	DTL	5Δ	25	0.0	16	250nΔ			192m§	5.0 Δ	-40	85	2	GO4432b	M443a
60♦#	H202B1	4M		MON	8.0%	6.0*	DTL	2	25	0.0	16	250nΔ			500m	5.0 Δ	0	75	4	GO4432	TO116
61♦#	H203B1	4M		MON	8.0%	6.0*	DTL	3	25	0.0	16	250nΔ			500m	5.0 Δ	0	75	3	GO4432a	TO116
62♦#	H204B1	4M		MON	8.0%	6.0*	DTL	5Δ	25	0.0	16	250nΔ			500m	5.0 Δ	0	75	2	GO4432b	TO116
63	R111	4M	4.0M	PCB	-3.0	0.0	DTL	3Δ	20	15	10		60n	50n	273m	800m	-20	65	3	GO4123	CB31
64	MC728F	4M		MON	.90	.10	RTL	5	4	0	4	27n			7.5m†		15	55	1	GO3187	TO91
65	MC728G	4M		MON	.90	.10	RTL	5	4	0	4	27n			7.5m†		15	55	1	GO3187	TO99
66	TG220F	4M		MON	1.7%	1.1*	TTL	2	15	0.0	7.0				88m†	1.0 Δ	-55	125	4	GO43z	FP21c
67	TG220J	4M		MON	1.7%	1.1*	TTL	2	15	0.0	7.0				88m†	1.0 Δ	-55	125	4	GO43z	TO116
68	TG221F	4M		MON	1.7%	1.1*	TTL	2	7	0.0	7.0				88m†	1.0 Δ	-55	125	4	GO43z	FP21c
69	TG221J	4M		MON	1.7%	1.1*	TTL	2	7	0.0	7.0				88m†	1.0 Δ	-55	125	4	GO43z	TO116
70	TG222F	4M		MON	1.7%	1.1*	TTL	2	15	0.0	7.0				88m†	1.0 Δ	0	75	4	GO43z	FP21c
71	TG222J	4M		MON	1.7%	1.1*	TTL	2	15	0.0	7.0				88m†	1.0 Δ	0	75	4	GO43z	TO116
72	TG223F	4M		MON	1.7%	1.1*	TTL	2	7	0.0	7.0				88m†	1.0 Δ	0	75	4	GO43z	FP21c
73	TG223J	4M		MON	1.7%	1.1*	TTL	2	7	0.0	7.0				88m†	1.0 Δ	0	75	4	GO43z	TO116
74	TG240F	4M		MON	1.7%	1.1*	TTL	4	15	0.0	7.0				44m†	1.0 Δ	-55	125	2	GO43x	FP21c
75	TG240J	4M		MON	1.7%	1.1*	TTL	4	15	0.0	7.0				44m†		-55	125	2	GO43x	FP21c
76	TG241F	4M		MON	1.7%	1.1*	TTL	4	7	0.0	7.0				44m†		-55	125	2	GO43x	FP21c
77	TG241J	4M		MON	1.7%	1.1*	TTL	4	7	0.0	7.0				44m†		-55	125	2	GO43x	FP21c
78	TG242F	4M		MON	1.7%	1.1*	TTL	4	15	0.0	7.0				44m†		0	75	2	GO43x	FP21c
79	TG242J	4M		MON	1.7%	1.1*	TTL	4	15	0.0	7.0				44m†		0	75	2	GO43x	FP21c
80	TG243F	4M		MON	1.7%	1.1*	TTL	4	7	0.0	7.0				44m†		0	75	2	GO43x	FP21c
81	TG243J	4M		MON	1.7%	1.1*	TTL	4	7	0.0	7.0				44m†		0	75	2	GO43x	FP21c
82	TG260F	4M		MON	1.7%	1.1*	TTL	8	15	0.0	7.0				22m†	1.0 Δ	-55	125	1	GO43w	FP21c
83	TG260J	4M		MON	1.7%	1.1*	TTL	8	15	0.0	7.0				22m†	1.0 Δ	-55	125	1	GO43w	TO116
84	TG261F	4M		MON	1.7%	1.1*	TTL	8	7	0.0	7.0				22m†	1.0 Δ	-55	125	1	GO43w	FP21c
85	TG261J	4M		MON	1.7%	1.1*	TTL	8	7	0.0	7.0				22m†	1.0 Δ	-55	125	1	GO43w	TO116
86	TG262F	4M		MON	1.7%	1.1*	TTL	8	15	0.0	7.0				22m†	1.0 Δ	0	75	1	GO43w	FP21c
87	TG262J	4M		MON	1.7%	1.1*	TTL	8	15	0.0	7.0				22m†	1.0 Δ	0	75	1	GO43w	TO116
88	TG263F	4M		MON	1.7%	1.1*	TTL	8	7	0.0	7.0				22m†	1.0 Δ	0	75	1	GO43w	FP21c
89	TG263J	4M		MON	1.7%	1.1*	TTL	8	7	0.0	7.0				22m†	1.0 Δ	0	75	1	GO43w	TO116
90♦	6N128	4M			2.0%	.80*	TTL	2		0.0	5.0	20nΔ					-55	125	4	GO4392	TO84
91♦	6N129	4M			2.0%	.80*	TTL	3		0.0	5.0	20nΔ					-55	125	3	GO4392a	TO84
92♦	6N130	4M			2.0%	.80*	TTL	4		0.0	5.0	20nΔ					-55	125	2	GO4392b	TO84
93♦	6N131	4M			2.0%	.80*	TTL	8		0.0	5.0	20nΔ					-55	125	1	GO4393	TO84
94♦	6N132	4M			2.0%	.80*	TTL	4		0.0	5.0	20nΔ					-55	125	2	GO4392b	TO84
95	I757	4M		PCB	2.0	.80	TTL	2	10	0.0	7.0	27n			520m		0	70	16		CBØ
96#	M53208P	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		0	75	4	GO4414	M105j
97#	M53209P	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		0	75	4	GO4401	M105j
98	SN5408J	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		-55	125	4	GO4414	M157b
99	SN5408N	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		-55	125	4	GO4414	M126a
100	SN5408W	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		-55	125	4	GO4414	Δ004AA
101	SN5409J	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		-55	125	4	GO4401	M157
102	SN5409N	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		-55	125	4	GO4401	M126a
103	SN5409S	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		-55	125	4	GO4401	TO84
104	SN5409W	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		-55	125	4	GO4401	Δ004AA
105	SN5410W	4M		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22n%			30m†	1.0 Δ	-55	125	3	GO414a	Δ004AA
106	SN5420J	4M		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20m†	1.0 Δ	-55	125	2	GO414b	M157b
107	SN5420W	4M		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22n%			20m†	1.0 Δ	-55	125	2	GO414b	Δ004AA
108	SN7408J	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		0	70	4	GO4414	M157b
109	SN7408N	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		0	70	4	GO4414	M126e
110	SN7408W	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		0	70	4	GO4414	TO84

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN7409J	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		0	70	4	G04401	M157
2	SN7409N	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		0	70	4	G04401	M126a
3	SN7409S	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		0	70	4	G04401	TO84
4	SN7420J	4M		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	1.0 Δ	0	70	2	G0414b	M157b
5	SN7440S	4M		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22n%			20mt	1.0 Δ	0	70	2	G0415	TO84
6#	T7408B1	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			270m§		0	70	4	G04478	M126s
7#	T7409B1	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			270m§		0	70	4	G04478	M126s
8#	ZN5408E	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%	1.0 Δ	-55	125	4	G04414	TO116
9#	ZN5408J	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%	1.0 Δ	-55	125	4	G04414	M257e
10#	ZN5409E	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%	1.0 Δ	-55	125	4	G04401	TO116
11#	ZN5409J	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%	1.0 Δ	-55	125	4	G04401	M257e
12#	ZN7408E	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%	1.0 Δ	0	70	4	G04414	TO116
13#	ZN7408J	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%	1.0 Δ	0	70	4	G04414	M257e
14#	ZN7409E	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%	1.0 Δ	0	70	4	G04401	TO116
15#	ZN7409J	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%	1.0 Δ	0	70	4	G04401	M257e
16	TG40F	4M		MON	2.4%	.45*†	TTL	4	15	0.0	7.0	12n			30mt	450mΔ	-55	125	1	G0478b	FP21c
17	TG40J	4M		MON	2.4%	.45*†	TTL	4	15	0.0	7.0	12n			30mt	450mΔ	-55	125	1	G0478b	TO116
18	TG41F	4M		MON	2.4%	.45*†	TTL	4	7	0.0	7.0	12n			30mt	450mΔ	-55	125	1	G0478b	FP21c
19	TG41J	4M		MON	2.4%	.45*†	TTL	4	7	0.0	7.0	12n			30mt	450mΔ	-55	125	1	G0478b	TO116
20	TG42F	4M		MON	2.4%	.45*†	TTL	4	15	0.0	7.0	12n			30mt	450mΔ	0	75	1	G0478b	FP21c
21	TG42J	4M		MON	2.4%	.45*†	TTL	4	15	0.0	7.0	12n			30mt	450mΔ	0	75	1	G0478b	TO116
22	TG43F	4M		MON	2.4%	.45*†	TTL	4	7	0.0	7.0	12n			30mt	450mΔ	0	75	2	G0478b	FP21c
23	TG43J	4M		MON	2.4%	.45*†	TTL	4	7	0.0	7.0	12n			30mt	450mΔ	0	75	2	G0478b	TO116
24	TG60F	4M		MON	2.4%	.45*†	TTL	8	15	0.0	7.0	12n			15mt	450mΔ	-55	125	1	G0478	FP21c
25	TG60J	4M		MON	2.4%	.45*†	TTL	8	15	0.0	7.0	12n			15mt	450mΔ	-55	125	1	G0478	TO116
26	TG61F	4M		MON	2.4%	.45*†	TTL	8	7	0.0	7.0	12n			15mt	450mΔ	-55	125	1	G0478	FP21c
27	TG61J	4M		MON	2.4%	.45*†	TTL	8	7	0.0	7.0	12n			15mt	450mΔ	-55	125	1	G0478	TO116
28	TG62F	4M		MON	2.4%	.45*†	TTL	8	15	0.0	7.0	12n			15mt	450mΔ	0	75	1	G0478	FP21c
29	TG62J	4M		MON	2.4%	.45*†	TTL	8	15	0.0	7.0	12n			15mt	450mΔ	0	75	1	G0478	TO116
30	TG63F	4M		MON	2.4%	.45*†	TTL	8	7	0.0	7.0	12n			15mt	450mΔ	0	75	1	G0478	FP21c
31	TG63J	4M		MON	2.4%	.45*†	TTL	8	7	0.0	7.0	12n			15mt	450mΔ	0	75	1	G0478	TO116
32	TG120F	4M		MON	2.4%	.45*†	TTL	8Δ	15	0.0	7.0	12n			15mt	450mΔ	-55	125	1	G0478a	FP21c
33	TG120J	4M		MON	2.4%	.45*†	TTL	8Δ	15	0.0	7.0	12n			15mt	450mΔ	-55	125	1	G0478a	TO116
34	TG121F	4M		MON	2.4%	.45*†	TTL	8Δ	7	0.0	7.0	12n			15mt	450mΔ	-55	125	1	G0478a	FP21c
35	TG121J	4M		MON	2.4%	.45*†	TTL	8Δ	7	0.0	7.0	12n			15mt	450mΔ	-55	125	1	G0478a	TO116
36	TG122F	4M		MON	2.4%	.45*†	TTL	8Δ	15	0.0	7.0	12n			15mt	450mΔ	0	75	1	G0478a	FP21c
37	TG122J	4M		MON	2.4%	.45*†	TTL	8Δ	15	0.0	7.0	12n			15mt	450mΔ	0	75	1	G0478a	TO116
38	TG123F	4M		MON	2.4%	.45*†	TTL	8Δ	7	0.0	7.0	12n			15mt	450mΔ	0	75	1	G0478a	FP21c
39	TG123J	4M		MON	2.4%	.45*†	TTL	8Δ	7	0.0	7.0	12n			15mt	450mΔ	0	75	1	G0478a	TO116
40	TG140F	4M		MON	2.4%	.45*†	TTL	2	15	0.0	7.0	12n			60mt	450mΔ	-55	125	4	G0478d	FP21c
41	TG140J	4M		MON	2.4%	.45*†	TTL	2	15	0.0	7.0	12n			60mt	450mΔ	-55	125	4	G0478d	TO116
42	TG141F	4M		MON	2.4%	.45*†	TTL	2	7	0.0	7.0	12n			60mt	450mΔ	-55	125	4	G0478d	FP21c
43	TG141J	4M		MON	2.4%	.45*†	TTL	2	7	0.0	7.0	12n			60mt	450mΔ	-55	125	4	G0478d	TO116
44	TG142F	4M		MON	2.4%	.45*†	TTL	2	15	0.0	7.0	12n			60mt	450mΔ	0	75	4	G0478d	FP21c
45	TG142J	4M		MON	2.4%	.45*†	TTL	2	15	0.0	7.0	12n			60mt	450mΔ	0	75	4	G0478d	TO116
46	TG143F	4M		MON	2.4%	.45*†	TTL	2	7	0.0	7.0	12n			60mt	450mΔ	0	75	4	G0478d	FP21c
47	TG143J	4M		MON	2.4%	.45*†	TTL	2	7	0.0	7.0	12n			60mt	450mΔ	0	75	4	G0478d	TO116
48	TG190F	4M		MON	2.4%	.45*†	TTL	3	15	0.0	7.0	12n			45mt	450mΔ	-55	125	3	G0478q	FP21c
49	TG190J	4M		MON	2.4%	.45*†	TTL	3	15	0.0	7.0	12n			45mt	450mΔ	-55	125	3	G0478q	TO116
50	TG191F	4M		MON	2.4%	.45*†	TTL	3	7	0.0	7.0	12n			45mt	450mΔ	-55	125	3	G0478q	FP21c
51	TG191J	4M		MON	2.4%	.45*†	TTL	3	7	0.0	7.0	12n			45mt	450mΔ	-55	125	3	G0478q	TO116
52	TG192F	4M		MON	2.4%	.45*†	TTL	3	15	0.0	7.0	12n			45mt	450mΔ	-55	125	3	G0478q	FP21c
53	TG192J	4M		MON	2.4%	.45*†	TTL	3	15	0.0	7.0	12n			45mt	450mΔ	-55	125	3	G0478q	TO116
54	TG193F	4M		MON	2.4%	.45*†	TTL	3	7	0.0	7.0	12n			45mt	450mΔ	0	75	3	G0478q	FP21c
55	TG193J	4M		MON	2.4%	.45*†	TTL	3	7	0.0	7.0	12n			45mt	450mΔ	0	75	3	G0478q	TO116
56	N8H16A	4M		MON	2.6%	.40*†	TTL	4	30	0	5	6.0n%		50n	46mΔ	600m	0	75	2	G0415h	TO116
57	N8H16F	4M		MON	2.6%	.40†*	TTL	4	30	0.0	5.0	6.0n%		50n	46mΔ	600m	0	75	2	G0415h	M157
58	N8H16J	4M		MON	2.6%	.40*†	TTL	4	30	0	5	6.0n%		50n	46mΔ	600m	0	75	2	G0415h	TO88
59	N8H70A	4M		MON	2.6%	.40*†	TTL	3	30	0	5	6.0n%		50n	46mΔ	600m	0	75	3	G0415c	TO116
60	N8H70J	4M		MON	2.6%	.40*†	TTL	3	30	0	5	6.0n%		50n	46mΔ	600m	0	75	3	G0415c	TO88
61	N8H80A	4M		MON	2.6%	.40*†	TTL	2	30	0	5	6.0n%		50n	46mΔ	600m	0	75	4	G0415j	TO116
62	N8H80J	4M		MON	2.6%	.40*†	TTL	2	30	0	5	6.0n%		50n	46mΔ	600m	0	75	4	G0415j	TO88
63	N8855A	4M		MON	2.6%	.40*†	TTL	4	60	0	5	15n%Δ		50n	57mΔ	600m	0	75	2	G0415k	TO116
64	N8855F	4M		MON	2.6%	.40†*	TTL	4	60	0.0	5.0	15n%		50n	57mΔ	600m	0	75	2	G0415k	M157
65	N8855J	4M		MON	2.6%	.40*†	TTL	4	60	0	5	15n%Δ		50n	57mΔ	600m	0	75	2	G0415k	TO88
66	S8H16A	4M		MON	2.6%	.40*†	TTL	4	30	0	5	6.0n%		50n	46mΔ	600m	-55	125	2	G0415h	TO116
67	S8H16F	4M		MON	2.6%	.40†*	TTL	4	30	0.0	5.0	6.0n%		50n	46mΔ	600m	-55	125	2	G0415h	M157
68	S8H16J	4M		MON	2.6%	.40*†	TTL	4	30	0	5	6.0n%		50n	46mΔ	600m	-55	125	2	G0415h	TO88
69	S8H70A	4M		MON	2.6%	.40*†	TTL	3	30	0	5	6.0n%		50n	46mΔ	600m	-55	125	3	G0415c	TO116
70	S8H70J	4M		MON	2.6%	.40*†	TTL	3	30	0	5	6.0n%		50n	46mΔ	600m	-55	125	3	G0415c	TO88
71	S8H80A	4M		MON	2.6%	.40*†	TTL	2	30	0	5	6.0n%		50n	46mΔ	600m	-55	125	4	G0415j	TO116
72	S8H80J	4M		MON	2.6%	.40*†	TTL	2	30	0	5	6.0n%		50n	46mΔ	600m	-55	125	4	G0415j	TO88
73	S8855A	4M		MON	2.6%	.40*†	TTL	4	60	0	5	15n%Δ		50n	57mΔ	600m	-55	125	2	G0415k	TO116
74	S8855F	4M		MON	2.6%	.40†*	TTL	4	60	0.0	5.0	15n%		50n	57mΔ	600m	-55	125	2	G0415k	M157
75	S8855J	4M		MON	2.6%	.40*†	TTL	4	60	0	5	15n%Δ		50n	57mΔ	600m	-55	125	2	G0415k	TO88
76	TG200F	4M		MON	2.8%	.45	TTL	9	15	0.0	5.0	10n%			20m	1.0	-55	125	1	G0478h	TO85
77	TG200J	4M		MON	2.8%	.45	TTL	9	15	0.0	5.0	10n%			20m	1.0	-55	125	1	G0478h	TO116
78	TG201F	4M		MON	2.8%	.45	TTL	9	15	0.0	5.0	10n%			20m	1.0	-55	125	1	G0478h	TO85
79	TG201J	4M		MON	2.8%	.45	TTL	9	15	0.0	5.0	10n%			20m	1.0	-55	125	1	G0478h	TO116
80	TG202F	4M		MON	2.8%	.45	TTL	9	7	0.0	5.0	10n%			20m	1.0	0	75	1	G0478h	TO85
81	TG202J	4M		MON	2.8%	.45	TTL	9	7	0.0	5.0	10n%			20m	1.0	0	75	1	G0478h	TO116
82	TG203F	4M		MON	2.8%	.45	TTL	9	7	0.0	5.0	10n%			20m	1.0	0	75	1	G0478h	TO85
83	TG203J	4M		MON	2.8%	.45	TTL	9	7	0.0	5.0	10n%			20m	1.0	0	75	1	G0478h	TO116
84	TRWG220#1	4M		MON	3.3	.26	TTL	2	11	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	-55	125	4	G04240b	M157
85	TRWG220#2	4M		MON	3.3	.26	TTL	2	11	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	-55	125	4	G04240b	M126
86	TRWG240#1	4M		MON	3.3	.26	TTL	4	11	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	M157
87	TRWG240#2	4M		MON	3.3	.26	TTL	4	11	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	M126
88	SNG40J	4M	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	M157b
89	SNG40W	4M	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	Δ004AF
90	SNG41J	4M	20M	MON	3.3	.26	TTL	4	7†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	M157b
91	SNG41W	4M	20M	MON	3.3	.26	TTL	4	7†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	Δ004AF
92	SNG42J	4M	20M	MON	3.3	.26	TTL	4	12†	0.0	5.0	10n	5.0n	8.0n	15m	900m	0	75	2	G0471	M157b
93	SNG42W	4M	20M	MON	3.3	.26	TTL	4	12†	0.0	5.0	10n	5.0n	8.0n	15m	900m	0	75	2	G0471	Δ004AF
94	SNG43J	4M	20M	MON	3.3	.26	TTL	4	6†	0.0	5.0	10n	5.0n	8.0n	15m	900m	0	75	2	G0471	M157b
95	SNG43W	4M	20M	MON	3.3	.26	TTL	4	6†	0.0	5.0	10n	5.0n	8.0n	15m	900m	0	75	2	G0471	Δ004AF
96	SNG60J	4M	20M	MON	3.3	.26	TTL	8	15†	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	M157b
97	SNG60W	4M	20M	MON	3.3	.26	TTL	8	15†	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	Δ004AF
98	SNG61J	4M	20M	MON	3.3	.26	TTL	8	7†	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	M157b
99	SNG61W	4M	20M	MON	3.3	.26	TTL	8	7†	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	Δ004AF
100	SNG62J	4M	20M	MON	3.3	.26	TTL	8	12†	0.0	5.0	12n	5.0n	8.0n	15m	900m	0	75	1	G04212g	M157b
101	SNG62W	4M	20M	MON	3.3	.26	TTL	8	12†	0.0	5.0	12n	5.0n	8.0n	15m	900m	0	75	1	G04212g	Δ004AF
102	SNG63J	4M	20M	MON	3.3	.26	TTL	8	6†	0.0	5.0	12n	5.0n	8.0n	15m	900m	0	75	1	G04212g	M157b
103	SNG63W	4M	20M	MON	3.3	.26	TTL	8	6†	0.0	5.0	12n	5.0n	8.0n	15m	900m	0	75	1	G04212g	Δ004AF
104	SNG120J	4M	20M	MON	3.3	.26	TTL	9Δ	15†	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	M157b
105	SNG120W	4M	20M	MON	3.3	.26	TTL	9Δ	15†	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	Δ004AF
106	SNG121J	4M	20M	MON	3.3	.26	TTL	9Δ	7†	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	M157b
107	SNG121W	4M	20M	MON	3.3	.26	TTL	9Δ	7†	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	Δ004AF
108	SNG122J	4M	20M	MON	3.3	.26	TTL	9Δ	12†	0.0	5.0	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	M157b
109	SNG122W	4M	20M	MON	3.3	.26	TTL	9Δ	12†	0.0	5.0	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	Δ004AF
110	SNG123J	4M	20M	MON	3.3	.26	TTL	9Δ	6†	0.0	5.0	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	M157b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SNG123W	4M	20M	MON	3.3	.26	TTL	9Δ	6†	0.0	5.0	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	Δ004AF
2	SNG130J	4M	20M	MON	3.3	.26	TTL	4	30†	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	M157b
3	SNG130W	4M	20M	MON	3.3	.26	TTL	4	30†	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	Δ004AF
4	SNG131J	4M	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	M157b
5	SNG131W	4M	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	Δ004AF
6	SNG132J	4M	20M	MON	3.3	.26	TTL	4	24†	0.0	5.0	25n	30n	30n	30m	900m	0	75	2	G04191	M157b
7	SNG132W	4M	20M	MON	3.3	.26	TTL	4	24†	0.0	5.0	25n	30n	30n	30m	900m	0	75	2	G04191	Δ004AF
8	SNG133J	4M	20M	MON	3.3	.26	TTL	4	12†	0.0	5.0	25n	30n	30n	30m	900m	0	75	2	G04191	M157b
9	SNG133W	4M	20M	MON	3.3	.26	TTL	4	12†	0.0	5.0	25n	30n	30n	30m	900m	0	75	2	G04191	Δ004AF
10	SNG140J	4M	20M	MON	3.3	.26	TTL	2	15†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	M157b
11	SNG140W	4M	20M	MON	3.3	.26	TTL	2	15†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	Δ004AF
12	SNG141J	4M	20M	MON	3.3	.26	TTL	2	7†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	M157b
13	SNG141W	4M	20M	MON	3.3	.26	TTL	2	7†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	Δ004AF
14	SNG142J	4M	20M	MON	3.3	.26	TTL	2	12†	0.0	5.0	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	M157b
15	SNG142W	4M	20M	MON	3.3	.26	TTL	2	12†	0.0	5.0	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	Δ004AF
16	SNG143J	4M	20M	MON	3.3	.26	TTL	2	6†	0.0	5.0	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	M157b
17	SNG143W	4M	20M	MON	3.3	.26	TTL	2	6†	0.0	5.0	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	Δ004AF
18	SNG190J	4M	20M	MON	3.3	.26	TTL	3	15†	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	M157b
19	SNG190W	4M	20M	MON	3.3	.26	TTL	3	15†	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	Δ004AF
20	SNG191J	4M	20M	MON	3.3	.26	TTL	3	7†	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	M157b
21	SNG191W	4M	20M	MON	3.3	.26	TTL	3	7†	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	Δ004AF
22	SNG192J	4M	20M	MON	3.3	.26	TTL	3	12†	0.0	5.0	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	M157b
23	SNG192W	4M	20M	MON	3.3	.26	TTL	3	12†	0.0	5.0	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	Δ004AF
24	SNG193J	4M	20M	MON	3.3	.26	TTL	3	6†	0.0	5.0	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	M157b
25	SNG193W	4M	20M	MON	3.3	.26	TTL	3	6†	0.0	5.0	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	Δ004AF
26	TRWG40#1	4M	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	M157
27	TRWG40#2	4M	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	M126
28	TRWG60#1	4M	20M	MON	3.3	.26	TTL	8	15†	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	M157
29	TRWG60#2	4M	20M	MON	3.3	.26	TTL	8	15†	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	M126
30	TRWG120#1	4M	20M	MON	3.3	.26	TTL	9	15†	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	M157
31	TRWG120#2	4M	20M	MON	3.3	.26	TTL	9	15†	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	M126
32	TRWG130#1	4M	20M	MON	3.3	.26	TTL	4	30†	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	M157
33	TRWG130#2	4M	20M	MON	3.3	.26	TTL	4	30†	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	M126
34	TRWG140#1	4M	20M	MON	3.3	.26	TTL	2	15†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	M157
35	TRWG140#2	4M	20M	MON	3.3	.26	TTL	2	15†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	M126
36	TRWG190#1	4M	20M	MON	3.3	.26	TTL	3	15†	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	M157
37	TRWG190#2	4M	20M	MON	3.3	.26	TTL	3	15†	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	M126
38	RG132D	4M	20	MON	3.4	.20	TTL	4	24	0.0	5.0	15n			60m†	1.1	0	75	2	G04191	M105m
39	RG132K	4M	20	MON	3.4	.20	TTL	4	24	0.0	5.0	15n			60m†	1.1	0	75	2	G04191	FP28
40	RG133D	4M	20	MON	3.4	.20	TTL	4	12	0.0	5.0	15n			60m†	1.1	0	75	2	G04191	M105m
41	RG133K	4M	20	MON	3.4	.20	TTL	4	12	0.0	5.0	15n			60m†	1.1	0	75	2	G04191	FP28
42	RG7510D	4M	20	MON	3.4	.20	TTL	2	30	0.0	5.0	15n			120m†	1.1	-55	125	4		M105m
43	RG7510K	4M	20	MON	3.4	.20	TTL	2	30	0.0	5.0	15n			120m†	1.1	-55	125	4		FP28
44	RG7511D	4M	20	MON	3.4	.20	TTL	2	15	0.0	5.0	15n			120m†	1.1	-55	125	4		M105m
45	RG7511K	4M	20	MON	3.4	.20	TTL	2	15	0.0	5.0	15n			120m†	1.1	-55	125	4		FP28
46	RG7512D	4M	20	MON	3.4	.20	TTL	2	24	0.0	5.0	15n			120m†	1.1	0	75	4		M105m
47	RG7512K	4M	20	MON	3.4	.20	TTL	2	24	0.0	5.0	15n			120m†	1.1	0	75	4		FP28
48	RG7513D	4M	20	MON	3.4	.20	TTL	2	12	0.0	5.0	15n			120m†	1.1	0	75	4		M105m
49	RG7513K	4M	20	MON	3.4	.20	TTL	2	12	0.0	5.0	15n			120m†	1.1	0	75	4		FP28
50	N8455A	4M		MON	3.4%	.35*†	TTL	4	25	0	5	95n		75n	28mΔ	1.4	0	75	2	G04303	TO116
51	N8455F	4M		MON	3.4%	.35†*	TTL	4	25	0.0	5.0	95n		75n	28mΔ	1.4	0	75	2	G04303	M157
52	N8455J	4M		MON	3.4%	.35*†	TTL	4	25	0	5	95n		75n	28mΔ	1.4	0	75	2	G04303	TO88
53	S8455A	4M		MON	3.4%	.35*†	TTL	4	25	0	5	95n		75n	28mΔ	1.4	-55	125	2	G04303	TO116
54	S8455F	4M		MON	3.4%	.35†*	TTL	4	25	0.0	5.0	95n		75n	28mΔ	1.4	-55	125	2	G04303	M157
55	S8455J	4M		MON	3.4%	.35*†	TTL	4	25	0	5	95n		75n	28mΔ	1.4	-55	125	2	G04303	TO88
56	SNG220J	4M		MON	3.5	.25	TTL	2	11	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	-55	125	4	G04240b	M157b
57	SNG220W	4M		MON	3.5	.25	TTL	2	11	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	-55	125	4	G04240b	Δ004AF
58	SNG221J	4M		MON	3.5	.25	TTL	2	6	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	-55	125	4	G04240b	M157b
59	SNG221W	4M		MON	3.5	.25	TTL	2	6	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	-55	125	4	G04240b	Δ004AF
60	SNG222J	4M		MON	3.5	.25	TTL	2	9	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	0	75	4	G04240b	M157b
61	SNG222W	4M		MON	3.5	.25	TTL	2	9	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	0	75	4	G04240b	Δ004AF
62	SNG223J	4M		MON	3.5	.25	TTL	2	5	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	0	75	4	G04240b	M157b
63	SNG223W	4M		MON	3.5	.25	TTL	2	5	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	0	75	4	G04240b	Δ004AF
64	SNG240J	4M		MON	3.5	.25	TTL	4	11	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	M157b
65	SNG240W	4M		MON	3.5	.25	TTL	4	11	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	Δ004AF
66	SNG241J	4M		MON	3.5	.25	TTL	4	6	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	M157b
67	SNG241W	4M		MON	3.5	.25	TTL	4	6	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	Δ004AF
68	SNG242J	4M		MON	3.5	.25	TTL	4	9	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	M157b
69	SNG242W	4M		MON	3.5	.25	TTL	4	9	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	Δ004AF
70	SNG243J	4M		MON	3.5	.25	TTL	4	5	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	M157b
71	SNG243W	4M		MON	3.5	.25	TTL	4	5	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	Δ004AF
72	SNG260J	4M		MON	3.5	.25	TTL	8	11	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	M157b
73	SNG260W	4M		MON	3.5	.25	TTL	8	11	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	Δ004AF
74	SNG261J	4M		MON	3.5	.25	TTL	8	6	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	M157b
75	SNG261W	4M		MON	3.5	.25	TTL	8	6	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	Δ004AF
76	SNG262J	4M		MON	3.5	.25	TTL	8	9	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	0	75	1	G04240a	M157b
77	SNG262W	4M		MON	3.5	.25	TTL	8	9	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	0	75	1	G04240a	Δ004AF
78	SNG263J	4M		MON	3.5	.25	TTL	8	5	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	0	75	1	G04240a	M157b
79	SNG263W	4M		MON	3.5	.25	TTL	8	5	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	0	75	1	G04240a	Δ004AF
80	TRWG260#1	4M	40M	MON	3.5	.25	TTL	8	11	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	M126
81	TRWG260#2	4M	40M	MON	3.5	.25	TTL	8	11	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	M157
82	SNG200J	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	-55	125	1	G04240c	M157b
83	SNG200W	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	-55	125	1	G04240c	Δ004AF
84	SNG201J	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	-55	125	1	G04240c	M157b
85	SNG201W	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	-55	125	1	G04240c	Δ004AF
86	SNG202J	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	0	75	1	G04240c	M157b
87	SNG202W	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	0	75	1	G04240c	Δ004AF
88	SNG203J	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	0	75	1	G04240c	M157b
89	SNG203W	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	0	75	1	G04240c	Δ004AF
90	MC3129F	4S		MON	2.4%	.40*†	TTL	3		0.0	5.0	6.0n			44m†		-55	125	2	G04378	TO86
91	MC3129L	4S		MON	2.4%	.40*†	TTL	3		0.0	5.0	6.0n			44m†		-55	125	2	G04378	TO116
92	MC3029F	4S		MON	2.5%	.40*†	TTL	3		0.0	5.0	6.0n			44m†		0	75	2	G04378	TO86
93	MC3029L,P%	4S		MON	2.5%	.40*†	TTL	3		0.0	5.0	6.0n			44m†		0	75	2	G04378	TO116
94♦	MEO8	5	5.0M	PCB	3.0%	.40*		2	8	0	5	25n			350m	1.0	0	70	8	G0593	CB53
95▼	TMEO8	5	20M	PCB	3.3	.22		2	18	0.0	5.0	44n			320m	1.0	0	70	8		CB53
96	SS4030AE	5			9.8%	.20*†		2		0.0	10	150nΔ				4.5 Δ	-30	85	4	G05126	
97	UL51L#2	5		MOS	-3.5%	-9.0*		3		27	0.0				60m†		0	70	2	G05111	M183a
98	CM4030AD	5		MOS	10	0.0†		2		0.0	10	100nΔ			200m	4.5 Δ	-55	125	4	G05117	M105av
99	CM4030AE	5		MOS	10	0.0†		2		0.0	10	150nΔ			200m	4.5 Δ	-40	85	4	G05117	M105av
100	MM54C86D	5		MOS	3.5%	1.5*	CMS	2	2	0.0	5.0	110n			500m	450mΔ	-55	125	4	G05120	M297a
101	MM74C86N	5		MOS	3.5%	1.5*	CMS	2	2	0.0	5.0	110n			500m	450mΔ	0	70	4	G05120	M344
102▼#	MSM581	5		MOS	3.6%	.80*	CMS	2	15	0.0	5.0	300nΔ			25uŞ		-20	70	4	G05129	M318a
103	MC14507AL	5		MOS	4.99%	.01*†	CMS	2	50	0.0	5.0	200nΔ	175n	175n	250n%	2.2 Δ	-55	125	4	G05110	TO116
104	MC14507CL,P%	5		MOS	4.99%	.01*†	CMS	2	50	0.0	5.0	300nΔ	200n	200n	250n%	2.2 Δ	-40	85	4	G05110	TO116
105	MM4630AD	5		MOS	4.99%	.01*†	CMS	2		0.0	5.0	100n			500m	450mΔ	-55	125	4	G05117	M297a
106	MM4630AF	5		MOS	4.99%	.01*†	CMS	2		0.0	5.0	100n			500m	450mΔ	-55	125	4	G05117	FP98
107	MM5630AN	5		MOS	4.99%	.01*†	CMS	2		0.0	5.0	100n			500m	450mΔ	-40	85	4	G05117	M344
108	SW4030A	5		MOS	5.0	0.0	CMS	2	50	0.0	5.0	100n			200m		-40	85	4	G0572c	M313a
109▼	TF4507AJ	5		MOS	7.1%	2.9*	CMS	2		0.0	10	175nΔ			600u%		-55	125	4	G05126	M157b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	2 TYPE	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	TF4507AN	5		MOS	7.1%	2.9*	CMS	2		0.0	10	175nΔ			600u%		-55	125	4	G05126	M126e
2▼	TP4507AJ	5		MOS	7.1%	2.9*	CMS	2		0.0	10	250nΔ			1.4m%		-40	85	4	G05126	M157b
3▼	TP4507AN	5		MOS	7.1%	2.9*	CMS	2		0.0	10	250nΔ			1.4m%		-40	85	4	G05126	M126e
4	HD1-54C86	5		MOS	8.0%	2.0*	CMS	2		0.0	10	90nΔ	20n	20n†	10n%	4.5 Δ	-55	125	4	G0572c	M126v
5	HD1-74C86	5		MOS	8.0%	2.0*	CMS	2		0.0	10	90nΔ	20n	20n†	10n%	4.5 Δ	-40	85	4	G0572c	M126v
6	HD9-54C86	5		MOS	8.0%	2.0*	CMS	2		0.0	10	90nΔ	20n	20n†	10n%	4.5 Δ	-55	125	4	G0572c	TO86
7	HD9-74C86	5		MOS	8.0%	2.0*	CMS	2		0.0	10	90nΔ	20n	20n†	10n%	4.5 Δ	-40	85	4	G0572c	TO86
8	CD4030AF	5		MOS	9.99%	.01*†	CMS	2		0.0	10	100nΔ			10u%	4.5 Δ	-55	125	4	G05117	Δ001AB
9	CD4070BE	5		MOS	9.99%	.01*†	CMS	2		0.0	10	70n			200m§		-40	85	4	G05126	Δ001AB
10	HD1-4030A2	5		MOS	9.99%	.01*†	CMS	2		0.0	10	100nΔ	10n	10n†	10u%	4.5 Δ	-55	125	4	G05119	M126v
11	HD1-4030A9	5		MOS	9.99%	.01*†	CMS	2		0.0	10	150nΔ	10n	10n†	100u%	4.5 Δ	-40	85	4	G05119	M126v
12	HD9-4030A2	5		MOS	9.99%	.01*†	CMS	2		0.0	10	100nΔ	10n	10n†	10u%	4.5 Δ	-55	125	4	G05119	TO86
13	HD9-4030A9	5		MOS	9.99%	.01*†	CMS	2		0.0	10	150nΔ	10n	10n†	100u%	4.5 Δ	-40	85	4	G05119	TO86
14	SCL4030AC	5		MOS	9.99%	.01*†	CMS	2		0.0	10	100nΔ			10u%	4.5	-55	125	4	G05126	M475a
15	SCL4030AD	5		MOS	9.99%	.01*†	CMS	2		0.0	10	100nΔ			10u%	4.5	-55	125	4	G05126	M475b
16	SCL4030AE	5		MOS	9.99%	.01*†	CMS	2		0.0	10	100nΔ			10u%	4.5	-40	85	4	G05126	M475c
17	SCL4030AF	5		MOS	9.99%	.01*†	CMS	2		0.0	10	100nΔ			10u%	4.5	-55	125	4	G05126	FP110
18	SCL4030AH	5		MOS	9.99%	.01*†	CMS	2		0.0	10	100nΔ			10u%	4.5	-55	125	4	G05126	FC☑
19♦	CD4030AD	5		MOS	10	0.0†	CMS	2	50	0.0	10	100nΔ			10u%	4.5 Δ	-55	125	4	G05117	Δ001AD
20♦	CD4030AE	5		MOS	10	0.0†	CMS	2	50	0.0	10	150nΔ			100u%	4.5 Δ	-40	85	4	G05117	Δ001AB
21♦	CD4030AK	5		MOS	10	0.0†	CMS	2	50	0.0	10	100nΔ			10u%	4.5 Δ	-55	125	4	G05117	Δ004AF
22#	HBC4030AD	5		MOS	10	0.0†	CMS	2	50	0.0	10	100nΔ			10u%	4.5 Δ	-55	125	4	G04403	Δ001AD
23#	HBC4030AF	5		MOS	10	0.0†	CMS	2	50	0.0	10	100nΔ			10u%	4.5 Δ	-55	125	4	G04403	Δ001AD
24#	HBC4030AK	5		MOS	10	0.0†	CMS	2	50	0.0	10	100nΔ			10u%	4.5 Δ	-55	125	4	G04403	Δ004AF
25#	HBF4030AE	5		MOS	10	0.0†	CMS	2	50	0.0	10	150nΔ			100u%	4.5 Δ	-40	85	4	G04403	Δ001AB
26#	HBF4030AF	5		MOS	10	0.0†	CMS	2	50	0.0	10	150nΔ			100u%	4.5 Δ	-40	85	4	G04403	Δ001AD
27	341CJ	5		MON	11.3	1.2†	DDL	6Δ	5	0.0	12	220nΔ			144m	5.0 Δ	-30	85	2	G0590	M172
28#	MIC341-1D	5		MON			DTL	6Δ		0.0	12						-55	125	2		M153a
29#	MIC341-1D1	5		MON			DTL	6Δ		0.0	15						-55	125	2		M153a
30#	MIC341-5D	5		MON			DTL	6Δ		0.0	12						-30	85	2		M153a
31#	MIC341-5D1	5		MON			DTL	6Δ		0.0	15						-30	85	2		M153a
32	R131	5	10M	PCB	0.0	-3.0	DTL	2		15	10				40m	1.0	-20	65	4	G0584	CB31
33	SW1812M	5		MON	1.9%	1.2*	DTL	2	8†	0.0	8.0	30n			125m†	1.0	0	75	4	G02138	M105n
34	SW1812P	5		MON	1.9%	1.2*	DTL	2	8†	0.0	8.0	30n			125m†	1.0	0	75	4	G02138	M114
35	562	5	5.0M	PCB	2.0%	.45*	DTL	2	8	0.0	7.0	40n%			396m†		0	70	12		CB62
36	MC1912F	5		MON	2.6%	.40*†	DTL	2	8	0.0	5.0	40n			130m		-55	125	4	G02138	TO86
37	MC1912L	5		MON	2.6%	.40*†	DTL	2	8	0.0	5.0	40n			130m		-55	125	4	G02138	TO116
38	MC1812F	5		MON	2.6%	.45*†	DTL	2	8	0.0	5.0	40n			130m		0	75	4	G02138	TO86
39	MC1812L,P%	5		MON	2.6%	.45*†	DTL	2	8	0.0	5.0	40n			130m		0	75	4	G02138	TO116
40	I211	5	5.0M	PCB	5.0	0.0	DTL	2	7	4.8	5.2	35n	50n	25n	250m	1.0	0	70	6		CB☑
41♦#	FZH271	5		MON	7.5%	4.5*	DTL	3†	10	0.0	12	260n†	340n†	120n†	288m§	5.0 Δ	0	70	4	G05116	M117aa
42♦#	FZH275	5		MON	7.5%	4.5*	DTL	3†	10	0.0	12	260n†	340n†	120n†	288m§	5.0 Δ	-25	85	4	G05116	M117aa
43♦#	H167D1	5		MON	8.0%	6.0*	DTL	2	25	0.0	20	400nΔ			150m%	5.0 Δ	0	75			M443
44	MC683L,P%	5		MON	12.5%	1.5*†	DTL	2	10	0.0	15	300nΔ	20n†	20n†	380m†		-30	75	4	G05106	TO116
45	MC1030P	5		MON	-.75	-1.6*	ECT	2	25	5.2	0.0	5.0n	8.0n	9.0n	130m†		0	75	4	G0598	TO116
46	MC1230F	5		MON	-.75%	-1.6*	ECT	2	25	5.2	0.0	5.0n	8.0n	9.0n	130m†		-55	125	4	G0598	TO86
47	MC1230L	5		MON	-.75%	-1.6*	ECT	2	25	5.2	0.0	5.0n	8.0n	9.0n	130m†		-55	125	4	G0598	M157a
48♦#	SP1030	5		MON	-.75	-1.6†	ECT	2	25	5.2	0.0	5.0n			130m†		0	75	4	G05128	M257a
49♦#	SP1230	5		MON	-.75	-1.6†	ECT	2	25	5.2	0.0	5.0n			130m†		-55	125	4	G05128	M257a
50	MC1672F	5		MON	-.96%	-1.6*†	ECT	2	70	5.2	0.0	1.3n	2.5n	2.2n	220m†		-30	85	3	G05107	FP85
51	MC1672L	5		MON	-.96%	-1.6*†	ECT	2	70	5.2	0.0	1.3n	2.5n	2.2n	220m†		-30	85	3	G05107	M191
52	MC10113L	5		MON	-.96%	-1.6*†	ECT	2		5.2	0.0	2.5n%	2.0n†	2.0n†	175m†		-30	85	4	G05125	M200w
53	MC10113P	5		MON	-.96%	-1.6*†	ECT	2		5.2	0.0	2.5n%	2.0n†	2.0n†	175m		-30	85	4	G05125	M117y
54	10113B	5		MON	-.96%	-1.7*†	ECT	2		5.2	0.0	2.5n	2.5n†	2.5n†	165m%		-30	85	4	G05124	M256
55	10113F	5		MON	-.96%	-1.7*†	ECT	2		5.2	0.0	2.5n	2.5n†	2.5n†	165m%		-30	85	4	G05124	M153a
56	SN10107J	5		MON	-.98%	-1.6*	ECT	2		5.2	0.0	2.4n			75m†		0	85	3	G05113	M153d
57	SN10107N	5		MON	-.98%	-1.6*	ECT	2		5.2	0.0	2.4n			75m†		0	85	3	G05113	M117x
58	MC764P	5		MON			RTL	4	4	0.0	3.6	65n	10n	10n	25m†		15	55	2	G05101	TO116
59	MC864P	5		MON			RTL	4	4	0.0	3.6	65n	10n	10n	25m†		0	75	2	G05101	TO116
60	MC971F	5		MON	.82%	.57*	RTL	2	5	0.0	3.0	12n%			72m†	100m	-55	125	1	G05100a	TO86
61	MC871F	5		MON	.84%	.55*	RTL	2	5	0.0	3.0	12n%			72m†	100m	0	100	1	G05100a	TO86
62	MC771F	5		MON	.85%	.46*	RTL	2	16	0.0	3.6	12n%			28m†	100m	-55	125	1	G05100a	TO86
63	MC771P	5		MON	.85%	.46*	RTL	2	16	0.0	3.6	12n%			28m†	100m	0	75	1	G05100	TO116
64	MC871P	5		MON	.88	.50*	RTL	2	5	0.0	3.6	12n%			28m†	100m	0	75	1	G05100	TO116
65	9014DM	5		MON	1.7%	.90*	TTL	2	11	0.0	5.0	13n			85m†		-55	125	4	G02132	M153a
66	9014DC	5		MON	1.8%	.85*	TTL	2	11	0.0	5.0	14n			85m†		0	75	4	G02132	M153a
67	5560	5	25M	PCB	2.0%	.45*	TTL	2	10	0.0	7.0	14n%	2.0n†	2.5n†	300m†		0	70	12		CB62
68	DM54L86F	5		MON	2.0%	.70*	TTL	2	20	0.0	5.0	60nΔ			4.0m†		-55	125	4	G05122	FP87a
69	DM54L86J	5		MON	2.0%	.70*	TTL	2	20	0.0	5.0	60nΔ			4.0m†		-55	125	4	G05122	M294b
70	DM54L86N	5		MON	2.0%	.70*	TTL	2	20	0.0	5.0	60nΔ			4.0m†		-55	125	4	G05122	M344
71	DM74L86F	5		MON	2.0%	.70*	TTL	2	20	0.0	5.0	60nΔ			4.0m†		0	70	4	G05122	FP87a
72	DM74L86J	5		MON	2.0%	.70*	TTL	2	20	0.0	5.0	60nΔ			4.0m†		0	70	4	G05122	M294b
73	DM74L86N	5		MON	2.0%	.70*	TTL	2	20	0.0	5.0	60nΔ			4.0m†		0	70	4	G05122	M344
74	SN54L86J	5		MON	2.0%	.70*	TTL	2	10	0.0	5.0	55n			15m†	1.0 Δ	-55	125	4	G0572c	M157b
75	SN54L86T	5		MON	2.0%	.70*	TTL	2	10	0.0	5.0	55n			15m†	1.0 Δ	-55	125	4	G0572c	FP52e
76	SN54LS86J	5		MON	2.0%	.70*	TTL	2	10	0.0	5.0	10n			30m†	1.0 Δ	-55	125	4	G0572c	M157b
77	SN54LS86W	5		MON	2.0%	.70*	TTL	2	10	0.0	5.0	10n			30m†	1.0 Δ	-55	125	4	G0572c	Δ004AA
78	SN54LS136J	5		MON	2.0%	.70*	TTL	2		0.0	5.0	30nΔ			30m†		-55	125	4	G05120	M157b
79	SN54LS136W	5		MON	2.0%	.70*	TTL	2		0.0	5.0	30nΔ			30m†		-55	125	4	G05120	Δ004AA
80	SN54LS386J	5		MON	2.0%	.70*	TTL	2	10	0.0	5.0	17nΔ			30m†	300m	-55	125	4	G0572c	M157b
81	SN54LS386W	5		MON	2.0%	.70*	TTL	2	10	0.0	5.0	17nΔ			30m†	300m	-55	125	4	G0572c	Δ004AA
82	SN74L86J	5		MON	2.0%	.70*	TTL	2	10	0.0	5.0	55n			15m†	1.0 Δ	0	70	4	G0572c	M157b
83	SN74L86N	5		MON	2.0%	.70*	TTL	2	10	0.0	5.0	55n			15m†	1.0 Δ	0	70	4	G0572c	M126e
84	DM74S86N	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10nΔ			375m%		0	70	4	G05122	M344
85	DM5486J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			160m†	1.0 Δ	-55	125	4	G05121	M294b
86	DM5486N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			160m†	1.0 Δ	-55	125	4	G05121	M344
87	DM5486W	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			160m†	1.0 Δ	-55	125	4	G05121	FP97a
88	DM7486J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			160m†	1.0 Δ	0	70	4	G05121	M294b
89	DM7486N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			160m†	1.0 Δ	0	70	4	G05121	M344
90♦#	FLH341-7486	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			250m§		0	70	4	G05121	M126p
91♦#	FLH345-8486	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			250m§		-25	85	4	G05121	M126p
92▼#	FLH661-74136	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	55nΔ			250m§		0	70	4	G05127	M126p
93▼#	FLH665-84136	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	55nΔ			250m§		-25	85	4	G05127	M126p
94▼#	GFB7486	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12n%			39m	1.0	0	70	4	G0572b	M105d
95	I763	5		PCB	2.0	.80	TTL	2	10	0.0	7.0	15n			156m		0	70	16		CB☑
96	ITT7486J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n			30m†	1.0 Δ	0	70	4		TO116
97	JANM38510/00701BAA	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP115
98	JANM38510/00701BAB	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP115
99	JANM38510/00701BAC	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP115
100	JANM38510/00701BCA	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	M314
101	JANM38510/00701BCB	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	M314
102	JANM38510/00701BCC	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	M314

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/00701BDB	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP116
2	JANM38510/00701BDC	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP116
3	JANM38510/00701CAA	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP115
4	JANM38510/00701CAB	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP115
5	JANM38510/00701CAC	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	M314
6	JANM38510/00701CCA	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP116
7	JANM38510/00701CCB	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP116
8	JANM38510/00701CCC	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP115
9	JANM38510/00701CDB	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP115
10	JANM38510/00701CDC	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	M314
11	JANM38510/00701DAA	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP116
12	JANM38510/00701DAB	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP115
13	JANM38510/00701DAC	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP115
14#	M53286P	5		MON	2.0%	.80*	TTL	2	10	0.0	7.0	14n%☑			39mΔ	1.0 Δ	0	75	4	G0572b	M105j
15#	MIC5486J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	30nΔ			150m†	400m	-55	125	4	G0572b	TO116
16#	MIC6486J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	30nΔ			150m†	400m	-40	85	4	G0572b	TO116
17#	MIC7486J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	30nΔ			150m†	400m	0	75	4	G0572b	TO116
18♦#	MIC7486N	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	30nΔ			150m†	400m	0	75	4	G0572b	M126x
19	NC7486N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12n%☑			39mΔ	1.0	0	70	4	G0572b	M126
20♦#	SFC450E	5		MON	2.0%	.80*	TTL	4	10	0	7	13n			20m†		0	70	2		TO116
21#	SFC450ET	5		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n			20m†	400m	-25	85	2		TO116
22♦#	SFC450HE	5		MON	2.0%	.80*	TTL	2	10	0	7	6n			40m†	400m	0	70	2		TO116
23♦#	SFC450HPM	5		MON	2.0%	.80*	TTL	4	10	0	7	6n			40m†	400m	-55	125	2		ZB165
24♦#	SFC450PM	5		MON	2.0%	.80*	TTL	4	10	0	7	13n			20m†	400m	-55	125	2		ZB165
25♦#	SFC451E	5		MON	2.0%	.80*	TTL	4	10	0	7	13n			20m†		0	70	2		TO116
26♦#	SFC451PM	5		MON	2.0%	.80*	TTL	4	10	0	7	13n			20m†	400m	-55	125	2		ZB165
27#	SFC486E	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n				1.0 Δ	0	70	4	G0572b	TO116
28#	SFC486EM	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n				1.0 Δ	-55	125	4	G0572b	TO116
29#	SFC486ET	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n				1.0 Δ	-25	85	4	G0572b	TO116
30#	SFC486PM	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n				1.0 Δ	-55	125	4	G0572b	TO85
31	SN54S86J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0n			250m	1.0 Δ	-55	125	4	G0572c	M157b
32	SN54S86W	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0n			250m	1.0 Δ	-55	125	4	G0572c	Δ004AA
33	SN74LS86J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n			30m†	1.0 Δ	0	70	4	G0572c	M157b
34	SN74LS86N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n			30m†	1.0 Δ	0	70	4	G0572c	M126e
35	SN74LS136J	5		MON	2.0%	.80*	TTL	2		0.0	5.0	30nΔ			30m†		0	70	4	G05120	M157b
36	SN74LS136N	5		MON	2.0%	.80*	TTL	2		0.0	5.0	30nΔ			30m†		0	70	4	G05120	M126e
37	SN74LS386J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	17nΔ			30m†	300m	0	70	4	G0572c	M157b
38	SN74LS386N	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	17nΔ			30m†	300m	0	70	4	G0572c	M126e
39	SN74S86J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0n			250m	1.0 Δ	0	70	4	G0572c	M157b
40	SN74S86N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0n			250m	1.0 Δ	0	70	4	G0572c	M126e
41	SN5486J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	14n			150m†	1.0 Δ	-55	125	4	G0572b	M157b
42#	SN5486N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12n%☑			39mΔ	1.0	-55	125	4	G0572b	M75a
43	SN5486W	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	14n			150m†	1.0 Δ	-55	125	4	G0572b	Δ004AA
44#	SN6486N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12n%☑			39mΔ	1.0	-40	85	4	G0572b	M75a
45	SN7486J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	14n			150m†	1.0 Δ	0	70	4	G0572b	M157b
46#	SN7486N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	14n			150m†	1.0	0	70	4	G0572b	M126e
47	SN7486W	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n			30m†	1.0 Δ	0	70	4		T084
48	SN54136J	5		MON	2.0%	.80*	TTL	2		0.0	5.0	12n			150m†		-55	125	4	G05120	M157b
49	SN54136W	5		MON	2.0%	.80*	TTL	2		0.0	5.0	12n			150m†		-55	125	4	G05120	Δ004AA
50	SN74136J	5		MON	2.0%	.80*	TTL	2		0.0	5.0	12n			150m†		0	70	4	G05120	M157b
51	SN74136N	5		MON	2.0%	.80*	TTL	2		0.0	5.0	12n			150m†		0	70	4	G05120	M126e
52	SW7486J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.25	15n%			150m†	1.0	0	70	4	G05112	M114
53	SW7486N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.25	15n%			150m†	1.0	0	70	4	G05112	M105n
54	T54S86F	5		MON	2.0%	.80*	TTL	2	20	0.0	6.0	10nΔ			375m§		-55	125	4	G05120	T086
55	T54S86J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10nΔ			375m§		-55	125	4	G05120	M157c
56	T54S136F	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	14nΔ			375m§		-55	125	4	G05120	TO86
57	T54S136J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	14nΔ			375m§		-55	125	4	G05120	M157c
58	T74S86F	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10nΔ			375m§		0	70	4	G05120	T086
59	T74S86J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10nΔ			375m§		0	70	4	G05120	M157c
60	T74S136F	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	14nΔ			375m§		0	70	4	G05120	TO86
61	T74S136J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	14nΔ			375m§		0	70	4	G05120	M157c
62#	T7486B1	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			150m§	1.0 Δ	0	70	4	G05120	M126u
63#	T7486D1	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			150m§	1.0 Δ	0	70	4	G05120	M294
64#	T7486D2	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			150m§	1.0 Δ	-55	125	4	G05120	M294
65#	TL7486N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			262m†		0	70	4	G0572b	M126n
66	US5486A	5		MON	2.0%	.80*	TTL	2	80	0.0	5.0	30nΔ					-55	125	4	G0572b	M105af
67	US5486J	5		MON	2.0%	.80*	TTL	2	80	0.0	5.0	30nΔ					-55	125	4	G0572b	TO88
68	US7486A	5		MON	2.0%	.80*	TTL	2	80	0.0	5.0	30nΔ					0	70	4	G0572b	M105af
69	US7486J	5		MON	2.0%	.80*	TTL	2	80	0.0	5.0	30nΔ					0	70	4	G0572b	TO88
70#	ZN5486E	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	14n			150m†		-55	125	4	G0572b	TO116
71#	ZN5486J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	14n			150m†		-55	125	4	G0572b	M257e
72#	ZN7486E	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	14n			150m†		0	70	4	G0572b	TO116
73#	ZN7486J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	14n			150m†		0	70	4	G0572b	M257e
74	MC3121F	5		MON	2.4%	.40*†	TTL	2	8.0	0.0	5.0	14n			100m†		-55	125	4	G05103	TO86
75	MC3121L	5		MON	2.4%	.40*†	TTL	2	8	0.0	5.0	14n			100m†		-55	125	4	G05103	TO116
76	MC5486F	5		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	30nΔ			215m§		-55	125	4	G05120	TO86
77	MC5486L	5		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	30nΔ			215m§		-55	125	4	G05120	TO116
78	MC7486F	5		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	30nΔ			250m§		0	75	4	G05120	TO86
79	MC7486L,P%	5		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	30nΔ			250m§		0	75	4	G05120	TO116
80	M121	5	20M	PCB	2.4	.40	TTL	1	10	0	5	15n	15n	15n	205m	1.0	0	70	6		
81	MC3021F	5		MON	2.5%	.40*†	TTL	2	8.0	0.0	5.0	14n			100m†		0	75	4	G05103	TO86
82	MC3021L,P%	5		MON	2.5%	.40*†	TTL	2	8	0.0	5.0	14n			100m†		0	75	4	G05103	TO116
83♦	N8241A	5		MON	2.6%	.40†	TTL	2	20	0.0	5.0	10n		50n	300m		0	75	4	G05102	M105q
84	N8241F	5		MON	2.6%	.40*†	TTL	2	20	0.0	5.0	20nΔ					0	75	4	G05102	M157
85♦	N8241Q	5		MON	2.6%	.40†	TTL	2	20	0.0	5.0	10n		50n	300m		0	75	4	G05102	T088
86	N8840A	5		MON	2.6%	.40*†	TTL	4	20	0	5	13n%Δ		50n	37mΔ	600m	0	75	2	G0587	TO116
87	N8840F	5		MON	2.6%	.40†*	TTL	4	20	0.0	5.0	13n%Δ		50n	37mΔ	600m	0	75	2	G0587	M157
88	N8840J	5		MON	2.6%	.40*†	TTL	4	20	0	5	13n%Δ		50n	37mΔ	600m	0	75	2	G0587	T088
89♦	S8241A	5		MON	2.6%	.40†	TTL	2	20	0.0	5.0	10n		50n	300m		-55	125	4	G05102	M105q
90♦	S8241F	5		MON	2.6%	.40†	TTL	2	20	0.0	5.0	10n		50n	300m		-55	125	4	G05102	M105r
91♦	S8241Q	5		MON	2.6%	.40†	TTL	2	20	0.0	5.0	10n		50n	300m		-55	125	4	G05102	T088
92	S8840A	5		MON	2.6%	.40*†	TTL	4	20	0	5	13n%Δ		50n	37mΔ	600m	-55	125	2	G0587	TO116
93	S8840F	5		MON	2.6%	.40†*	TTL	4	20	0.0	5.0	13n%Δ		50n	37mΔ	600m	-55	125	2	G0587	M157
94	S8840J	5		MON	2.6%	.40*†	TTL	4	20	0	5	13n%Δ		50n	37mΔ	600m	-55	125	2	G0587	T088
95	MC7241F	5		MON	2.8%	.40*†	TTL	2	10	0.0	5.0	10n%			225m†		0	75	4		TO86
96	MC7241L,P%	5		MON	2.8%	.40*†	TTL	2	10	0.0	5.0	10n%			225m†		0	75	4		TO116
97	MC8241F	5		MON	2.8%	.40*†	TTL	2	10	0.0	5.0	10n%			225m†		-55	125	4		TO86

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC8241L	5		MON	2.8%	.40*†	TTL	2	10	0.0	5.0	10n%			225m†		-55	125	4		TO116
2	TG90F	5	20M	MON	3.0	.30	TTL	8	15	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	-55	125	1	G0583	FP21c
3	TG90J	5	20M	MON	3.0	.30	TTL	8	15	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	-55	125	1	G0583	TO116
4	TG91F	5	20M	MON	3.0	.30	TTL	8	7	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	-55	125	1	G0583	FP21c
5	TG91J	5	20M	MON	3.0	.30	TTL	8	7	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	-55	125	1	G0583	TO116
6	TG92F	5	20M	MON	3.0	.30	TTL	8	15	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G0583	FP21c
7	TG92J	5	20M	MON	3.0	.30	TTL	8	15	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G0583	TO116
8	TG93F	5	20M	MON	3.0	.30	TTL	8	7	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G0583	FP21c
9	TG93J	5	20M	MON	3.0	.30	TTL	8	7	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G0583	TO116
10	SNG90J	5	20M	MON	3.3	.26	TTL	8	15†	0.0	5.0	11n	5.0n	8.0n	35m	900m	-55	125	1	G0545	M157b
11	SNG90W	5	20M	MON	3.3	.26	TTL	8	15†	0.0	5.0	11n	5.0n	8.0n	35m	900m	-55	125	1	G0545	Δ004AF
12	SNG91J	5	20M	MON	3.3	.26	TTL	8	7†	0.0	5.0	11n	5.0n	8.0n	35m	900m	-55	125	1	G0545	M157b
13	SNG91W	5	20M	MON	3.3	.26	TTL	8	7†	0.0	5.0	11n	5.0n	8.0n	35m	900m	-55	125	1	G0545	Δ004AF
14	SNG92J	5	20M	MON	3.3	.26	TTL	8	12†	0.0	5.0	11n	5.0n	8.0n	35m	900m	0	75	1	G0545	M157b
15	SNG92W	5	20M	MON	3.3	.26	TTL	8	12†	0.0	5.0	11n	5.0n	8.0n	35m	900m	0	75	1	G0545	Δ004AF
16	SNG93J	5	20M	MON	3.3	.26	TTL	8	6†	0.0	5.0	11n	5.0n	8.0n	35m	900m	0	75	1	G0545	M157b
17	SNG93W	5	20M	MON	3.3	.26	TTL	8	6†	0.0	5.0	11n	5.0n	8.0n	35m	900m	0	75	1	G0545	Δ004AF
18	TRWG90#1	5	20M	MON	3.3	.26	TTL	8	15	0.0	5.0	11n	5.0n	8.0n	35m	900m	-55	125	1	G0545	M157
19	TRWG90#2	5	20M	MON	3.3	.26	TTL	8	15	0.0	5.0	11n	5.0n	8.0n	35m	900m	-55	125	1	G0545	M126
20	N8440A	5		MON	3.4%	.35*†	TTL	4	9	0	5	95n		75n	29mΔ	1.4	0	75	2	G0592	TO116
21	N8440F	5		MON	3.4%	.35†*	TTL	4	9	0.0	5.0	95n		75n	29mΔ	1.4	0	75	2	G0592	M157
22	N8440J	5		MON	3.4%	.35*†	TTL	4	9	0	5	95n		75n	29mΔ	1.4	0	75	2	G0592	TO88
23	S8440A	5		MON	3.4%	.35*†	TTL	4	9	0	5	95n		75n	29mΔ	1.4	-55	125	2	G0592	TO116
24	S8440F	5		MON	3.4%	.35†*	TTL	4	9	0.0	5.0	95n		75n	29mΔ	1.4	-55	125	2	G0592	M157
25	S8440J	5		MON	3.4%	.35*†	TTL	4	9	0	5	95n		75n	29mΔ	1.4	-55	125	2	G0592	TO88
26#	ZN5450E	5		MON	3.5	.20	TTL	6Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
27#	ZN5450F	5		MON	3.5	.20	TTL	6Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
28#	ZN5451E	5		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
29#	ZN5451F	5		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
30#	ZN7450E	5		MON	3.5	.20	TTL	6Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
31#	ZN7450F	5		MON	3.5	.20	TTL	6Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
32#	ZN7451E	5		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
33#	ZN7451F	5		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
34	MM481	5	2.0M	MOS	-8.0%	-1.0*†	TTL	2	10	10	0	130 %			24m		-55	125	2	G0597	TO100
35	MM581	5	2.0M	MOS	-8.0%	-1.0*†	TTL	2	10	10	0	130 %			24m		0	70	2	G0597	TO100
36	M206	5	3.0M	PCB	10	0.0	TTL	2	50	0.0	10	80n	20n	20n	16u		-55	95	16		CB☑
37#	GXB10107	5,7		MON	-.88	-1.7†	ECT	2		5.2	0.0	2.4n%	2.5n†	2.5n†	115m†		0	75	3	G05108	M200n
38	MC10507F	5,7		MON	-.93%	-1.6*†	ECT	2		5.2	0.0	3.7nΔ	3.5n	3.5n	120m†		-55	125	3	G05108	FP85
39	MC10507L	5,7		MON	-.93%	-1.6*†	ECT	2		5.2	0.0	3.7nΔ	3.5n	3.5n	120m†		-55	125	3	G05108	M191
40	MC10107L	5,7		MON	-.96%	-1.6*†	ECT	2		5.2	0.0	2.5n%	3.5n	3.5n	120m†		-30	85	3	G05108	M191
41	MC10107P	5,7		MON	-.96%	-1.6*†	ECT	2		5.2	0.0	2.5n%	2.5n†	2.5n†	120m†		-30	85	3	G05108	M278
42	10107B	5,7		MON	-.96%	-1.7*†	ECT	2		5.2	0.0	2.8n	3.5n	3.5n	115m%		-30	85	3	G05113	M256
43	10107F	5,7		MON	-.96%	-1.7*†	ECT	2		5.2	0.0	2.8n	3.5n	3.5n	115m%		-30	85	3	G05113	M153a
44	DM74S135N	5,7		MON	2.0%	.80*	TTL	5	20	0.0	5.0	15nΔ			495m%		0	70	2	G05123	M344
45▼	N74S86A	5,7		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10nΔ			76m†	1.0 †	0	70	4	G0572c	M318
46▼	N74S86F	5,7		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10nΔ			76m†	1.0 †	0	70	4	G0572c	M257f
47▼	N74S86W	5,7		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10nΔ			76m†	1.0 †	0	70	4	G0572c	FP39e
48▼	N74S135B	5,7		MON	2.0%	.80*	TTL	5	20	0.0	5.0	15nΔ			495m§	1.0 †	0	70	2	G05123	M317
49▼	N74S135F	5,7		MON	2.0%	.80*	TTL	5	20	0.0	5.0	15nΔ			495m§	1.0 †	0	70	2	G05123	M200v
50▼	N74S135W	5,7		MON	2.0%	.80*	TTL	5	20	0.0	5.0	15nΔ			495m§	1.0 †	0	70	2	G05123	FP47g
51▼	S54S86A	5,7		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10nΔ			76m†	1.0 †	-55	125	4	G0572c	M318
52▼	S54S86F	5,7		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10nΔ			76m†	1.0 †	-55	125	4	G0572c	M257f
53▼	S54S86W	5,7		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10nΔ			76m†	1.0 †	-55	125	4	G0572c	FP39e
54▼	S54S135B	5,7		MON	2.0%	.80*	TTL	5	20	0.0	5.0	15nΔ			495m§	1.0 †	-55	125	2	G05123	M317
55▼	S54S135F	5,7		MON	2.0%	.80*	TTL	5	20	0.0	5.0	15nΔ			495m§	1.0 †	-55	125	2	G05123	M200v
56▼	S54S135W	5,7		MON	2.0%	.80*	TTL	5	20	0.0	5.0	15nΔ			495m§	1.0 †	-55	125	2	G05123	FP47g
57	SN54S135J	5,7		MON	2.0%	.80*	TTL	5		0.0	5.0	8.0n			325m†		-55	125	4		M153d
58	SN54S135W	5,7		MON	2.0%	.80*	TTL	5		0.0	5.0	8.0n			325m†		-55	125	4		Δ004AG
59	SN74S135J	5,7		MON	2.0%	.80*	TTL	5		0.0	5.0	8.0n			325m†		0	70	4		M153d
60	SN74S135N	5,7		MON	2.0%	.80*	TTL	5		0.0	5.0	8.0n			325m†		0	70	4		M117x
61	DM10107J	5,7G		MON	-.96%	-1.6†*	ECT	2		5.2	0.0	2.4n%	2.5n†	2.5n†	145m%		-30	85	3	G05108	M200r
62	SN10113J	5E		MON	-.98%	-1.6*	ECT	2		5.2	0.0	2.5n			100m†		0	85	4	G05124	M153d
63	SN10113N	5E		MON	-.98%	-1.6*	ECT	2		5.2	0.0	2.5n			100m†		0	85	4	G05124	M117x
64	MC1031P	5G		MON	.85%	-1.5*†	ECT	2	25	5.2	0.0	5.0n†	8.5n	9.0n	130m†		0	75	4	G0599	TO116
65	MC1231F	5G		MON	.85%	-1.5*†	ECT	2	25	5.2	0.0	5.0n†	8.5n	9.0n	130m†		-55	125	4	G0599	TO86
66	MC1231L	5G		MON	.85%	-1.5*†	ECT	2	25	5.2	0.0	5.0n†	8.5n	9.0n	130m†		-55	125	4	G0599	TO116
67	RG92D	5K	20M	MON	3.1%	.40*	TTL	8	12†	0.0	5.0	22nΔ	8.0n	6.0n	35m†	900m	0	75	1	G0579	M105ar
68	RG92K	5K	20M	MON	3.1%	.40*	TTL	8	12†	0.0	5.0	22nΔ	8.0n	6.0n	35m†	900m	0	75	1	G0579	FP21b
69	RG93D	5K	20M	MON	3.1%	.40*	TTL	8	6†	0.0	5.0	22nΔ	8.0n	6.0n	35m†	900m	0	75	1	G0579	M105ar
70	RG93K	5K	20M	MON	3.1%	.40*	TTL	8	6†	0.0	5.0	22nΔ	8.0n	6.0n	35m†	900m	0	75	1	G0579	FP21b
71	RG90D	5K	20M	MON	3.2%	.40*	TTL	8	15†	0.0	5.0	22nΔ	8.0n	6.0n	35m†	900m	-55	125	1	G0579	M105ar
72	RG90K	5K	20M	MON	3.2%	.40*	TTL	8	15†	0.0	5.0	22nΔ	8.0n	6.0n	35m†	900m	-55	125	1	G0579	FP21b
73	RG91D	5K	20M	MON	3.2%	.40*	TTL	8	7†	0.0	5.0	22nΔ	8.0n	6.0n	35m†	900m	-55	125	1	G0579	M105ar
74	RG91K	5K	20M	MON	3.2%	.40*	TTL	8	7†	0.0	5.0	22nΔ	8.0n	6.0n	35m†	900m	-55	125	1	G0579	FP21b
75	E50	6		PCB	2.6%	.50*		4†		0	5						0	70	9	G0661e	
76	E51	6		PCB	2.6%	.50*		5†		0	5						0	70	7	G0661f	
77▼	TMGE6	6	20M	PCB	3.3	.22		4		0.0	5.0	20n			30m	1.0	0	70	6		CB53
78	MX53L	6		MOS	-3.5%	-9.0*		1		27	0.0	65n					0	70	10	G06168	M183a
79	UL53L#1	6		MOS	-3.5%	-9.0*		1		27	0.0	65n			120m†		0	70	4	G06167	M183a
80	N8731A	6		MON			DDL	2									0	75	4	G06152	TO116
81	N8731F	6		MON			DDL	2									0	75	4	G06152	M157
82	N8731J	6		MON			DDL	2									0	75	4	G06152	TO88
83	R001	6	2.0M	PCB	-3.0	0.0	DDL	1	1								-20	65	7	G0671	CB31
84	R002	6	2.0M	PCB	-3.0	0.0	DDL	2	1								-20	65	5	G0672	CB31
85	331CJ	6		MON	11.3	1.2†	DDL	5		0.0	12	40n				5.0 Δ	-30	85	2	G06110	M172
86#	9933BC	6		MON			DTL	4	10	0.0	5.0				17m†	1.0 Δ	0	75	2	G06103	M126u
87#	9933DC	6		MON			DTL	4	10	0.0	5.0				17m†	1.0 Δ	0	75	2	G06103	M294
88#	9933DM	6		MON			DTL	4	10	0.0	5.0				17m†	1.0 Δ	-55	125	2	G06103	M294
89#	9933FC	6		MON			DTL	4	10	0.0	5.0				17m†	1.0 Δ	0	75	2	G06103	FP28g
90#	9933FM	6		MON			DTL	4	10	0.0	5.0				17m†	1.0 Δ	-55	125	2	G06103	FP28g
91#	DN1933	6		MON			DTL	4		0.0	5.0					1.0 Δ	0	75	2	G04207	TO116
92#	FCY101	6		MON			DTL	4†	1								0	75	3	G0661j	TO116
93#	FQY101-833	6		MON			DTL	4		0.0	8.0				16m†	1.0 Δ	0	75	2	G06156	TO116
94	HEPC0903P-RT 6			MON			DTL	4									-30	75	2	G06161	TO116
95	HEPC1033P-RT 6			MON			DTL	4									0	75	2	G06107	TO116
96	ITT331-1D	6					DTL	5		0.0	12						-55	125	2	G06110	M200d
97	ITT331-5D	6					DTL	5		0.0	12						-30	85	2	G06110	M200d
98#	M5933P	6		MON			DTL	4Δ								1.0 Δ	0	75	2	G06107	M105j
99	MC833F	6		MON			DTL	4		0.0	5.0						0	75	2	G0694b	TO86
100	MC833G	6		MON			DTL	4†		0.0	5.0						0	75	2	G0694	TO100
101	MC833L,P%	6		MON			DTL	4		0.0	5.0						0	75	2	G0694b	TO116
102	MC847F	6		MON			DTL	2		0.0	5.0						0	75	4	G06103d	TO86
103	MC847L,P%	6		MON			DTL	2		0.0	5.0						0	75	4	G06103d	TO116
104	MC933F	6		MON			DTL	4		0.0	5.0						-55	125	2	G0694b	TO86
105	MC933G	6		MON			DTL	4†		0.0	5.0						-55	125	2	G0694	TO100
106	MC933L	6		MON			DTL	4		0.0	5.0						-55	125	2	G0694b	TO116
107	MC947F	6		MON			DTL	2		0.0	5.0						-55	125	4	G06103d	TO86
108	MC947L	6		MON			DTL	2		0.0	5.0						-55	125	4	G06103d	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MCE933F	6		MON			DTL	1		0.0	5.0						-55	125	2	G06107	TO86
2#	MIC331-1D	6		MON			DTL	5		0.0	12						-55	125	2		M153a
3#	MIC331-1D1	6		MON			DTL	5		0.0	15						-55	125	2		M153a
4#	MIC331-5D	6		MON			DTL	5		0.0	12						-30	85	2		M153a
5#	MIC331-5D1	6		MON			DTL	5		0.0	15						-30	85	2		M153a
6♦	S8731A	6		MON			DTL	2									-55	125	4	G06152	TO116
7♦	S8731F	6		MON			DTL	2									-55	125	4	G06152	M157
8♦	S8731J	6		MON			DTL	2									-55	125	4	G06152	TO88
9	SN15933	6		MON			DTL	4		0	5.5				10m		-55	125	2	G06107	TO84
10	SN15933N	6		MON			DTL	4	8	0.0	5.0				10m†		-55	125	2	G06107	M126a
11	SP300A	6		MON			DTL	3	1							1.0 Δ	15	55	2		M105
12	SP631A	6		MON			DTL	2	8	0.0	4.5					2.0	0	75	4	G0661c	M105ae
13	SW727-1P	6		MON			DTL	2								1.0 Δ	-55	125	4	G06103a	TO116
14	SW727-2M	6		MON			DTL	2								1.0 Δ	0	75	4	G06103a	M105n
15	SW727-2P	6		MON			DTL	2								1.0 Δ	0	75	4	G06103a	TO116
16	SW933-1P	6		MON			DTL	4								1.0 Δ	-55	125	2	G0694	TO116
17	SW933-1T	6		MON			DTL	4†								1.0	-55	125	2	G0694a	CN39
18	SW933-2M	6		MON			DTL	4								800mΔ	0	75	2	G0694	M105n
19	SW933-2P	6		MON			DTL	4								800mΔ	0	75	2	G0694	TO116
20	UC1005B	6		TFH			DTL	8									-55	125	1	G0674	M55
21	UC1006B	6		TFH			DTL	5									-55	125	1	G0674a	M55
22#	ZSD51A	6		MON	.20	4.0	DTL	5	8	0.0	5.0	9.0n			19m	1.0	-55	125	1		CN2
23#	ZSD111A	6		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	1	G0686a	CN2
24#	ZSD131A	6		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	0	70	1	G0686a	CN2
25	MIC933-1B	6		MON	1.9%	1.1*	DTL	4	20	0	5.5					350m*	-55	125	2	G06136	FP32
26	MIC933-1C	6		MON	1.9%	1.1*	DTL	4	20	0	5.5					350m*	-55	125	2	G06136	CN38
27	MIC933-5B	6		MON	1.9%	1.1*	DTL	4	20	0	5					350m*	0	75	2	G06136	FP32
28	MIC933-5C	6		MON	1.9%	1.1*	DTL	4	20	0.0	5.0					350m*	0	75	2	G06136	CN38
29#	MIC933R3D	6		MON	1.9%	1.1*	DTL	4	20	0.0	5.0	80nΔ			150m§	700m	-40	85	2	G06136	M294b
30#	MIC933R6D	6		MON	1.9%	1.1*	DTL	4	20	0.0	5.0	80nΔ			150m§	700m	-20	75	2	G06136	M294b
31#	MIC933R7D	6		MON	1.9%	1.1*	DTL	4	20	0.0	5.0	80nΔ			133m§	700m	0	75	2	G06136	M294b
32	506	6	5.0M	PCB	2.0%	.45*	DTL	3†		0.0	5.0	5.0nΔ					0	70	12	G06153	CB62
33	698	6	5.0MΔ	PCB	2.0%	.45*	DTL	3†				3.0n					0	70	9	G0664a	CB50
34	RM933J	6		MON	2.0%	1.0*	DTL	3		0	5.0						-55	125	2		FP28
35	RM933T	6		MON	2.0%	1.0*	DTL	3		0	5.0						-55	125	2		TO101
36	9933HM	6		MON	2.6%	.40†*	DTL	4		0.0	8.0	36n			17m		-55	125	2	G0694b	TO116
37	DM933N	6		MON	2.6%	.45†*	DTL	4		0.0	5.0	80nΔ			8.0m%		0	75	2	G0661y	M344
38♦	SFC933E	6		MON	2.6%	.45†*	DTL			0.0	5.0				18m†		0	75	2	G0694b	M126
39	SN15833	6		MON	2.6%	.45*†	DTL	4		0	8				10m		0	75	2	G06107	TO84
40	SN15833N	6		MON	2.6%	.45*†	DTL	4		0	8				10m		0	75	2	G06107	M75a
41▼	MGE6	6		PCB	3.0%	.40*	DTL	4	6	0.0	5.0	40n				1.0	0	70			CB53
42♦	SP301A	6		MON	3.5%	.40†	DTL	2	12†	0.0	5.0	45n			180m†	1.2	0	75	4	G04400	M105g
43	K003	6	100k	PCB	5.0	0.0	DTL	3		0.0	5.0				15m	1.6	-20	65	3		
44	K012	6	100k	PCB	5.0	0.0	DTL	4		0.0	5.0				60m	1.6	-20	65	3		
45	I400	6	5.0M	PCB	5.0	0.0	DTL	4		4.8	5.2						0	70	8		CB☑
46	I407	6	5.0M	PCB	5.0	0.0	DTL	5	2	4.8	5.2	100n			500m		0	70	2		CB☑
47	331AJ	6		MON	6.5*	5.0%	DTL	5		0.0	15				78m†	3.2	-30	70	2	G06170	M319
48	331AL	6		MON	6.5*	5.0%	DTL	5		0.0	15				78m†	3.2	-30	70	2	G06170	M200j
49	331BL	6		MON	6.5*	5.0%	DTL	5		0.0	12				50m†	3.5	-55	125	2	G06170	M200j
50	331CL	6		MON	6.5*	5.0%	DTL	5		0.0	12				50m†	3.5	-30	85	2	G06170	M200j
51	331ML	6		MON	6.5*	5.0%	DTL	5		0.0	15				78m†	3.2	-55	125	2	G06170	M200j
52	MC669L,P%	6		MON	12.5%	1.5*†	DTL	4	10	0.0	15						-30	75	2	G06161	TO116
53	MC1025P	6		MON	-.75	-1.6	ECT	5†		5.2	0.0					175m	0	75	2	G06164	TO116
54	MC1225F	6		MON	-.75	-1.6	ECT	5†		5.2	0.0					175m	-55	125	2	G06164	TO86
55	MC1225L	6		MON	-.75	-1.6	ECT	5†		5.2	0.0					175m	-55	125	2	G06164	TO116
56	MC305F	6	40M	MON	-.75	-1.6	ECT	5	Δ	5.2	0.0	6.0n	11n	11n			-55	125	1	G0683	TO91
57	MC305G	6	40M	MON	-.75	-1.6	ECT	5	Δ	5.2	0.0	6.0n	11n	11n			-55	125	1	G0683	CN9
58	MC355F	6	40M	MON	-.75	-1.6	ECT	5		5.2	0	11nΔ	13n	14n			0	75	1	G0683	TO91
59	MC355G	6	40M	MON	-.75	-1.6	ECT	5		5.2	0	11nΔ	13n	14n			0	75	1	G0683	CN9
60	9921HC	6		MON			RTL	2		0.0	3.6	15n			40m	250m	0	70	2	G0667	TO99
61	HEPC2001P-RT	6		MON			RTL	2		0.0	3.6	12n			20m		0	75	4	G06134	TO116
62	HEPC2500P-RT	6		MON			RTL	4		0.0	3.6	12n			20m		15	55	2	G06142c	TO116
63	MC9720P	6		MON			RTL	1		0.0	3.6	12n			30m†		15	55	6	G06163	TO116
64	MC9820P	6		MON			RTL	1		0.0	3.6	12n			30m†		0	75	6	G06163	TO116
65	SN17921L	6		MON			RTL	2		0	8						.55	125	2	G06134	CN13
66	MC921F	6		MON	.75%	.45*	RTL	2	.50	0	4	27n			3.0m†		-55	125	2	G06142	TO91
67	MC921G	6		MON	.75%	.45*	RTL	2	.50	0	4	27n			3.0m†		-55	125	2	G06142	TO99
68	MC9921F	6		MON	.75%	.45*	RTL	2		0	4	27n%			20m†	100m	-55	125	1	G06142b	TO86
69	MC821F	6		MON	.80%	.46*	RTL	2	.50	0	4	27n			3.0m†		0	75	2	G06142	TO91
70	MC821G	6		MON	.80%	.46*	RTL	2	.50	0	4	27n			3.0m†		0	75	2	G06142	TO99
71	MC9821F	6		MON	.80%	.46*	RTL	2		0	4	27n%			20m†	100m	0	75	1	G06142b	TO86
72	MC9821P	6		MON	.80%	.46*	RTL	2		0	4	27n%			20m†	100m	0	75	1	G06142f	TO116
73	MC985F	6		MON	.82%	.57*	RTL	2		0	4	12n					-55	125	4	G06142b	TO86
74	MC986F	6		MON	.82%	.57*	RTL	4		0	4	12n					-55	125	2	G06142a	TO86
75	MC9919F	6		MON	.82%	.57*	RTL	1		0	4	12n%			13m†	100m	-55	125	1	G06142e	TO86
76	MC885F	6		MON	.84%	.55*	RTL	2		0	4	12n					0	100	4	G06142b	TO86
77	MC886F	6		MON	.84%	.55*	RTL	4		0	4	12n					0	100	2	G06142a	TO86
78	MC9819F	6		MON	.84%	.55*	RTL	1		0	4	12n%			13m†	100m	0	100	1	G06142e	TO86
79	MC786P	6		MON	.85%	.46*	RTL	4		0.0	4.0	12n			20m†		15	55	2	G06142c	TO116
80	MC9719F	6		MON	.85%	.46*	RTL	1		0	4	12n%			13m†	100m	-55	125	1	G06142e	TO86
81	MC9721F	6		MON	.85%	.46*	RTL	2		0.0	4.0	27n			20m%	100m	0	75	1	G06142b	TO86
82	MC9721P	6		MON	.85%	.46*	RTL	2		0.0	4.0	27n%			20m†	100m	0	75	1	G06142f	TO116
83	MC886P	6		MON	.85%	.50*	RTL	4		0.0	4.0	12n			20m†		0	75	2	G06142c	TO116
84#	SP328A	6		MON	1.0	.22	RTL	4	2	0	8	12n				320m	-55	125	2	G0667a	TO78
85	MC721F	6		MON	1.1	.10	RTL	2	.50	0	4	27n			6.0m†		15	55	2	G06142	TO91
86	MC721G	6		MON	1.1	.10	RTL	2	.50	0	4	27n			6.0m†		15	55	2	G06142	TO99
87	MC785F	6		MON	1.1	.10	RTL	2		0	4	12n			80m†		15	55	4	G06142b	TO86
88	MC786F	6		MON	1.1	.10	RTL	4		0	4	12n			40m†		15	55	2	G06142a	TO86
89	MC785AP	6		MON	2.6%	.50*	RTL	2		0.0	3.6	12n			20m		15	55	4	G06134a	TO116
90	MC785P	6		MON	2.6%	.50*†	RTL	2		0.0	3.6	12n			20m†		15	55	4	G06134a	TO116
91	MC885AP	6		MON	2.6%	.50*	RTL	2		0.0	3.6	12n			20m		0	75	4	G06134a	TO116
92	MC885P	6		MON	2.6%	.50*†	RTL	2		0.0	3.6	12n			20m†		0	75	4	G06134a	TO116
93♦	MC9719AP	6		MON	2.6%	.50*†	RTL	1		0.0	3.6	12n			13m		15	55	6	G06163	TO116
94♦	MC9719P	6		MON	2.6%	.50*†	RTL	1		0.0	3.6	12n			13m		15	55	6	G06163	TO116
95♦	MC9819AP	6		MON	2.6%	.50*†	RTL	1		0.0	3.6	12n			13m		0	75	6	G06163	TO116
96♦	MC9819P	6		MON	2.6%	.50*†	RTL	1		0.0	3.6	12n			13m		0	75	6	G06163	TO116
97♦	LCE708	6	1.0M	MOH	6.0	0.0†	RTL			6	12						-15	65			M45
98♦	LCE408/A	6	3.0M	MOH	6.0	0.0†	RTL			6	12						-40	100	4	G013s	M45
99♦	LCE408/O	6	3.0M	MOH	6.0	0.0†	RTL			6	12						-40	100	4	G013t	M45
100♦	LCE508	6	5.0M	MOH	6.0	0.0†	RTL			6	12						-30	80			M45
101	N8806A	6		MON			TTL	5Δ		0	5	26n%Δ			8.9mΔ	600m	0	75	2	G06133a	TO116
102	N8806F	6		MON			TTL	5Δ		0.0	5.0	26n%Δ			8.9mΔ	600m	0	75	2	G06133a	M157
103	N8806J	6		MON			TTL	5Δ		0	5	26n%Δ			8.9mΔ	600m	0	75	2	G06133	TO88
104	S8806A	6		MON			TTL	5Δ		0	5	26n%Δ			8.9mΔ	600m	-55	125	2	G06133a	TO116
105	S8806F	6		MON			TTL	5Δ		0.0	5.0	26n%Δ			8.9mΔ	600m	-55	125	2	G06133a	M157
106	S8806J	6		MON			TTL	5Δ		0	5	26n%Δ			8.9mΔ	600m	-55	125	2	G06133	TO88
107#	T106D2	6		MON	1.4%	.90*	TTL	5Δ	10	0.0	5.0	15nΔ			22m†	1.0 Δ	-55	125	2	G06159c	M294
108#	T106F2	6		MON	1.4%	.90*	TTL	5Δ	10	0.0	5.0	15nΔ			22m†	1.0 Δ	-55	125	2	G06159c	FP28g

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	2 TYPE	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	DM9006CJ	6		MON	1.6%	.85*	TTL	5Δ		0.0	5.0	4.0nΔ			20m§		0	75	2	G06171	M294b
2	DM9006CN	6		MON	1.6%	.85*	TTL	5Δ		0.0	5.0	4.0nΔ			20m§		0	75	2	G06171	M344
3#	T106B1	6		MON	1.6%	.85*	TTL	5Δ	10	0.0	5.0	18nΔ			22m†	1.0 Δ	0	75	2	G06159c	M126u
4#	T106D1	6		MON	1.6%	.85*	TTL	5Δ	10	0.0	5.0	18nΔ			22m†	1.0 Δ	0	75	2	G06159c	M294
5#	T106F1	6		MON	1.6%	.85*	TTL	5Δ	10	0.0	5.0	18nΔ			22m†	1.0 Δ	0	75	2	G06159c	FP28g
6	9006DM	6		MON	1.7%	.90*	TTL	4		0.0	5.0	7.0n			10m†	400m	-55	125	2	G0698a	M157
7	9006FM	6		MON	1.7%	.90*	TTL	4		0.0	5.0	7.0n			10m†	400m	-55	125	2	G0698a	FP28b
8	TG170F	6		MON	1.7%	1.2*	TTL	5Δ		0.0	5.0				25m†		-55	125	2	G06108	FP21c
9	TG170J	6		MON	1.7%	1.2*	TTL	5Δ		0.0	5.0				25m†		-55	125	2	G06108	TO116
10	TG171F	6		MON	1.7%	1.2*	TTL	5Δ		0.0	5.0				25m†		-55	125	2	G06108	FP21c
11	TG171J	6		MON	1.7%	1.2*	TTL	5Δ		0.0	5.0				25m†		-55	125	2	G06108	TO116
12	SNG270J	6	40M	MON	1.7%	1.2*	TTL	4	11	0.0	5.0	1.0n			7.0m	1.0	-55	125	2	G06111	M157b
13	SNG270W	6	40M	MON	1.7%	1.2*	TTL	4	11	0.0	5.0	1.0n			7.0m	1.0	-55	125	2	G06111	Δ004AF
14	SNG271J	6	40M	MON	1.7%	1.2*	TTL	4	6	0.0	5.0	1.0n			7.0m	1.0	-55	125	2	G06111	M157b
15	SNG271W	6	40M	MON	1.7%	1.2*	TTL	4	6	0.0	5.0	1.0n			7.0m	1.0	-55	125	2	G06111	Δ004AF
16	SNG272J	6	40M	MON	1.7%	1.2*	TTL	4	9	0.0	5.0	1.0n			7.0m	1.0	0	75	2	G06111	M157b
17	SNG272W	6	40M	MON	1.7%	1.2*	TTL	4	9	0.0	5.0	1.0n			7.0m	1.0	0	75	2	G06111	Δ004AF
18	SNG273J	6	40M	MON	1.7%	1.2*	TTL	4	5	0.0	5.0	1.0n			7.0m	1.0	0	75	2	G06111	M157b
19	SNG273W	6	40M	MON	1.7%	1.2*	TTL	4	5	0.0	5.0	1.0n			7.0m	1.0	0	75	2	G06111	Δ004AF
20	TRWG270#1	6	40M	MON	1.7%	1.2	TTL	4	11	0.0	5.0	1.0n			7.0m	1.0	-55	125	2	G06111	M126
21	TRWG270#2	6	40M	MON	1.7%	1.2	TTL	4	11	0.0	5.0	1.0n			7.0m	1.0	-55	125	2	G06111	M157
22	9006DC	6		MON	1.8%	.85*	TTL	4		0.0	5.0	7.0n			12m†	400m	0	75	2	G0698a	M157
23	9006FC	6		MON	1.8%	.85*	TTL	4		0.0	5.0	7.0n			12m†	400m	0	75	2	G0698a	FP28b
24	TG270F	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5.0				14m†	1.0 Δ	-55	125	2	G06108	FP21c
25	TG270J	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5.0				14m†	1.0 Δ	-55	125	2	G06108	TO116
26	TG271F	6		MON	1.8%	1.1*	TTL	5Δ		0.0	5.0				14m†		-55	125	2	G06108	FP21c
27	TG271J	6		MON	1.8%	1.1*	TTL	5Δ		0.0	5.0				14m†		-55	125	2	G06108	TO116
28	TG272F	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5.0				14m†	1.0 Δ	0	75	2	G06108	FP21c
29	TG272J	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5.0				14m†	1.0 Δ	0	75	2	G06108	TO116
30	TG273F	6		MON	1.8%	1.1*	TTL	5Δ		0.0	5.0				14m†		0	75	2	G06108	FP21c
31	TG273J	6		MON	1.8%	1.1*	TTL	5Δ		0.0	5.0				14m†		0	75	2	G06108	TO116
32	TG172F	6		MON	1.8%	1.2*	TTL	5Δ		0.0	5.0				25m†		0	75	2	G06108	FP21c
33	TG172J	6		MON	1.8%	1.2*	TTL	5Δ		0.0	5.0				25m†		0	75	2	G06108	TO116
34	TG173F	6		MON	1.8%	1.2*	TTL	5Δ		0.0	5.0				25m†		0	75	2	G06108	FP21c
35	TG173J	6		MON	1.8%	1.2*	TTL	5Δ		0.0	5.0				25m†		0	75	2	G06108	TO116
36	DM54H60J	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	11n			22m§		-55	125	2	G0698a	M294b
37	DM54H60N	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	11n			22m§		-55	125	2	G0698a	M344
38	DM54H61J	6		MON	2.0%	.80*	TTL	3	10	0.0	5.0	14n			80m§		-55	125	3	G06157	M294b
39	DM54H61N	6		MON	2.0%	.80*	TTL	3	10	0.0	5.0	14n			80m§		-55	125	3	G06157	M344
40	DM54H62J	6		MON	2.0%	.80*	TTL	11Δ	10	0.0	5.0	11n			45m§		-55	125	1	G06143a	M294b
41	DM54H62N	6		MON	2.0%	.80*	TTL	11Δ	10	0.0	5.0	11n			45m§		-55	125	1	G06143a	M344
42	DM74H60J	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	11n			22m§		0	70	2	G0698a	M294b
43	DM74H60N	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	11n			22m§		0	70	2	G0698a	M344
44	DM74H61J	6		MON	2.0%	.80*	TTL	3	10	0.0	5.0	14n			80m§		0	70	3	G06157	M294b
45	DM74H61N	6		MON	2.0%	.80*	TTL	3	10	0.0	5.0	14n			80m§		0	70	3	G06157	M344
46	DM74H62J	6		MON	2.0%	.80*	TTL	11Δ	10	0.0	5.0	11n			45m§		0	70	1	G06143a	M294b
47	DM74H62N	6		MON	2.0%	.80*	TTL	11Δ	10	0.0	5.0	11n			45m§		0	70	1	G06143a	M344
48	DM5460J	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	13n%			28m†	400m	-55	125	2	G0698a	M294b
49	DM5460N	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	13n%			28m†	400m	-55	125	2	G0698a	M344
50	DM5460W	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	13n%			28m†	400m	-55	125	2	G0698a	FP97a
51	DM7460J	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	13n%			28m†	400m	0	70	2	G0698a	M294b
52	DM7460N	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	13n%			28m†	400m	0	70	2	G0698a	M344
53#	FJY101-7460	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15n%			8.0m†	1.0 Δ	0	70	2	G0656a	M126f
54#	FLY101-7460	6		MON	2.0%	.80*	TTL	5Δ		0.0	5.0	30nΔ		4.0nt	20m§		0	70	2	G0656a	M126p
55#	FLY105-8460	6		MON	2.0%	.80*	TTL	5Δ		0.0	5.0	30nΔ		4.0nt	20m§		-25	85	2	G0656a	M126p
56▼#	GFB7460	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ			8.0m	400m	0	70	2	G0698b	TO116
57	ITT5460J	6			2.0%	.80*	TTL	5Δ		0.0	5.0	15n			20m†		-55	125	2	G06159a	M157
58	ITT7460J	6			2.0%	.80*	TTL	5Δ		0.0	5.0	15n			20m†		0	70	2	G06159a	M157
59#	M5304P	6		MON	2.0%	.80*	TTL	4		0.0	7.0				4.0mt	1.0 Δ	0	75	2	G0698b	M105j
60#	M53260P	6		MON	2.0%	.80*	TTL	4		0.0	7.0				4.0mt	1.0 Δ	0	75	2	G0698b	M105j
61#	MIC74H60J	6		MON	2.0%	.80*	TTL	4		0.0	7.0					1.0 Δ	0	75	2	G0698b	M157
62#	MIC74H62J	6		MON	2.0%	.80*	TTL	10		0.0	5.0					1.0 Δ	0	75	1	G06143a	TO116
63#	MIC5460J	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ			8.0mt	400m	-55	125	2	G06159a	TO116
64#	MIC6460J	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ			8.0mt	400m	-40	85	2	G06159a	TO116
65#	MIC7460J	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ			8.0mt	400m	0	75	2	G06159a	TO116
66♦#	MIC7460N	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ			8.0mt	400m	0	75	2	G06159a	M126x
67	N74H60A	6		MON	2.0%	.80*	TTL	6Δ		0.0	5.0				22m§		0	70	2	G0698b	M318
68	N74H60F	6		MON	2.0%	.80*	TTL	6Δ		0.0	5.0				22m§		0	70	2	G0698b	M200x
69	N74H61A	6		MON	2.0%	.80*	TTL	3		0.0	5.0				80m§		0	70	3	G06157	M318
70	N74H61F	6		MON	2.0%	.80*	TTL	3		0.0	5.0				80m§		0	70	3	G06157	M200x
71	N74H62A	6		MON	2.0%	.80*	TTL	12Δ		0.0	5.0				45m§		0	70	1	G06169	M318
72	N74H62F	6		MON	2.0%	.80*	TTL	12Δ		0.0	5.0				45m§		0	70	1	G06169	M200x
73♦	N7460A	6		MON	2.0%	.80*	TTL	5Δ	30	0.0	5.0	30nΔ			20m§	1.0 †	0	70	2	G0656a	M318
74▼	N7460F	6		MON	2.0%	.80*	TTL	5Δ	30	0.0	5.0	30nΔ			20m§	1.0 †	0	70	2	G0656a	M257f
75	NC74H60N	6		MON	2.0%	.80*	TTL	4			7.0					1.0 Δ	0	70	2	G0698b	M126
76	NC74H61N	6		MON	2.0%	.80*	TTL	3			7.0					1.0 Δ	0	70	3	G06157	M126
77	NC7460N	6		MON	2.0%	.80*	TTL	4		0.0	7.0	13n			4.0mΔ	1.0	0	70	2		TO116
78	S54H60A	6		MON	2.0%	.80*	TTL	6Δ		0.0	5.0				22m§		-55	125	2	G0698b	M318
79	S54H60F	6		MON	2.0%	.80*	TTL	6Δ		0.0	5.0				22m§		-55	125	2	G0698b	M200x
80	S54H60W	6		MON	2.0%	.80*	TTL	6Δ		0.0	5.0				22m§		-55	125	2	G0698b	FP39e
81	S54H61A	6		MON	2.0%	.80*	TTL	3		0.0	5.0				80m§		-55	125	3	G06157	M318
82	S54H61F	6		MON	2.0%	.80*	TTL	3		0.0	5.0				80m§		-55	125	3	G06157	M200x
83	S54H61W	6		MON	2.0%	.80*	TTL	3		0.0	5.0				80m§		-55	125	3	G06157	FP39e
84	S54H62A	6		MON	2.0%	.80*	TTL	12Δ		0.0	5.0				45m§		-55	125	1	G06169	M318
85	S54H62F	6		MON	2.0%	.80*	TTL	12Δ		0.0	5.0				45m§		-55	125	1	G06169	M200x
86	S54H62W	6		MON	2.0%	.80*	TTL	12Δ		0.0	5.0				45m§		-55	125	1	G06169a	FP39e
87♦	S5460A	6		MON	2.0%	.80*	TTL	5Δ		0.0	5.0	30nΔ			20m§	1.0 †	-55	125	2	G0656a	M318
88▼	S5460F	6		MON	2.0%	.80*	TTL	5Δ		0.0	5.0	30nΔ			20m§	1.0 †	-55	125	2	G0656a	M257f
89▼	S5460W	6		MON	2.0%	.80*	TTL	5Δ		0.0	5.0	30nΔ			20m§	1.0 †	-55	125	2	G0656c	FP39e
90#	SFC460E	6		MON	2.0%	.80*	TTL	4	10	0.0	7.0	15n			4.0mΔ	400m*	0	70	2	G0656a	TO116
91#	SFC460EM	6		MON	2.0%	.80	TTL	4	10	0.0	5.0	30nΔ			20m†	1.0 Δ	-55	125	2	G0698	TO116
92#	SFC460ET	6		MON	2.0%	.80	TTL	4	10	0.0	5.0	30nΔ			20m†	1.0 Δ	-25	85	2	G0698	TO116
93♦#	SFC460PM	6		MON	2.0%	.80*	TTL	4	10	0	7				20m†	400m	-55	125	2	G06133	ZB165
94	SN54H60J	6		MON	2.0%	.80*	TTL	4			7					1.0 Δ	-55	125	2	G0698b	M157b
95	SN54H60N	6		MON	2.0%	.80*	TTL	4			7					1.0 Δ	-55	125	2	G0698b	M126
96	SN54H60W	6		MON	2.0%	.80*	TTL	4		0.0	5.0				12m†	1.0 Δ	-55	125	2	G0698b	Δ004AA
97	SN54H61J	6		MON	2.0%	.80*	TTL	3			7					1.0 Δ	-55	125	3	G06157	M157b
98	SN54H61N	6		MON	2.0%	.80*	TTL	3			7					1.0 Δ	-55	125	3	G06157	M126
99	SN54H61W	6		MON	2.0%	.80*	TTL	3		0.0	5.0				25m†	1.0 Δ	-55	125	3	G06157	Δ004AA
100	SN54H62J	6		MON	2.0%	.80*	TTL	10			7					1.0 Δ	-55	125	1	G06143a	M157b
101	SN54H62N	6		MON	2.0%	.80*	TTL	10			7					1.0 Δ	-55	125	1	G06143a	M126
102	SN54H62W	6		MON	2.0%	.80*	TTL	10		0.0	5.0				25m†	1.0 Δ	-55	125	1	G06143a	Δ004AA
103	SN74H60J	6		MON	2.0%	.80*	TTL	4			7					1.0 Δ	0	70	2	G0698b	M157b
104	SN74H60N	6		MON	2.0%	.80*	TTL	4			7					1.0 Δ	0	70	2	G0698b	M126e
105	SN74H60W	6		MON	2.0%	.80*	TTL	4		0.0	5.0				12m†	1.0 Δ	0	70	2	G0698b	TO84
106	SN74H61J	6		MON	2.0%	.80*	TTL	3			7					1.0 Δ	0	70	3	G06157	M157b
107	SN74H61N	6		MON	2.0%	.80*	TTL	3			7					1.0 Δ	0	70	3	G06157	M126e
108	SN74H61W	6		MON	2.0%	.80*	TTL	4		0.0	5.0				12m†	1.0 Δ	0	70	2	G0698b	TO84
109	SN74H62J	6		MON	2.0%	.80*	TTL	10			7					1.0 Δ	0	70	1	G06143a	M157b
110	SN74H62N	6		MON	2.0%	.80*	TTL	10			7					1.0 Δ	0	70	1	G06143a	M126e

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	2 TYPE	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN74H62W	6		MON	2.0%	.80*	TTL	3		0.0	5.0				25mt	1.0 Δ	0	70	3	G06157	T084
2	SN5460J	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			20mt	1.0 Δ	-55	125	2	G0698	M157b
3	SN5460N	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			20mt	1.0 Δ	-55	125	2	G0698	T0116
4	SN5460W	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			20mt	1.0 Δ	-55	125	2	G0698	Δ004AA
5#	SN6460N	6		MON	2.0%	.80*	TTL	4		0.0	7.0				4.0mt	1.0	-40	85	2	G0698	M75a
6	SN7460J	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			20mt	1.0 Δ	0	70	2	G0698	M157b
7	SN7460N	6		MON	2.0%	.80*	TTL	4		0.0	5.0				4.0mΔ	1.0	0	70	2	G0698	M126e
8#	T74H61B1	6		MON	2.0%	.80*	TTL	3		0.0	5.0				40m		0	70			
9#	T74H61D1	6		MON	2.0%	.80*	TTL	3		0.0	5.0				40m		0	70			
10#	T74H61D2	6		MON	2.0%	.80*	TTL	3		0.0	5.0				40m		-55	125			
11#	T74H62B1	6		MON	2.0%	.80*	TTL	10		0.0	5.0				30m		0	70			
12#	T74H62D1	6		MON	2.0%	.80*	TTL	10		0.0	5.0				30m		0	70			
13#	T74H62D2	6		MON	2.0%	.80*	TTL	10		0.0	5.0				30m		-55	125			
14#	T7460B1	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ			20mt	1.0 Δ	0	70	2	G02172	M126u
15#	T7460D2	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ			20mt	1.0 Δ	-55	125	2	G02172	M294
16#	TL7460N	6		MON	2.0%	.80*	TTL	4		0.0	5.0	30nΔ			17mt		0	70	2	G0698a	M126n
17	US54H60A	6		MON	2.0%	.80*	TTL	4		0.0	5.0	16nΔ				1.0 Δ	-55	125	2	G0698b	M105b
18	US54H60J	6		MON	2.0%	.80*	TTL	4		0.0	5.0	16nΔ				1.0 Δ	-55	125	2	G0698b	T088
19	US54H61A	6		MON	2.0%	.80*	TTL	3		0.0	5.0	20nΔ				1.0 Δ	-55	125	3	G06157	M105b
20	US54H61J	6		MON	2.0%	.80*	TTL	3		0.0	5.0	20nΔ				1.0 Δ	-55	125	3	G06157	T088
21	US54H62A	6		MON	2.0%	.80*	TTL	10		0.0	5.0	16nΔ				1.0 Δ	-55	125	1	G06143a	M105b
22	US54H62J	6		MON	2.0%	.80*	TTL	10		0.0	5.0	16nΔ				1.0 Δ	-55	125	1	G06143a	T088
23	US74H60A	6		MON	2.0%	.80*	TTL	4		0.0	5.0	16nΔ				1.0 Δ	0	70	2	G0698b	M105b
24	US74H60J	6		MON	2.0%	.80*	TTL	4		0.0	5.0	16nΔ				1.0 Δ	0	70	2	G0698b	T088
25	US74H61A	6		MON	2.0%	.80*	TTL	3		0.0	5.0	20nΔ				1.0 Δ	0	70	3	G06157	M105b
26	US74H61J	6		MON	2.0%	.80*	TTL	3		0.0	5.0	20nΔ				1.0 Δ	0	70	3	G06157	T088
27	US74H62A	6		MON	2.0%	.80*	TTL	10		0.0	5.0	16nΔ				1.0 Δ	0	70	1	G06143a	M105b
28	US74H62J	6		MON	2.0%	.80*	TTL	10		0.0	5.0	16nΔ				1.0 Δ	0	70	1	G06143a	T088
29	US5460A	6		MON	2.0%	.80*	TTL	4		0.0	5.0	15n					-55	125	2	G06159c	M105b
30	US5460J	6		MON	2.0%	.80*	TTL	4		0.0	5.0	15n					-55	125	2	G06159b	T088
31	US7460A	6		MON	2.0%	.80*	TTL	4		0.0	5.0	15n					0	70	2	G06159c	M105b
32	US7460J	6		MON	2.0%	.80*	TTL	4		0.0	5.0	15n					0	70	2	G06159b	T088
33	MC3118F	6		MON	2.4%	.40*†	TTL	10		0.0	5.0				40mt		-55	125	1	G06143a	T086
34	MC3118L	6		MON	2.4%	.40*†	TTL	10		0.0	5.0				40mt		-55	125	1	G06143a	T0116
35	MC3119F	6		MON	2.4%	.40*†	TTL	3		0.0	5.0				25mt		-55	125	3	G06157	T086
36	MC3119L	6		MON	2.4%	.40*†	TTL	3		0.0	5.0				25mt		-55	125	3	G06157	T0116
37	MC3130F	6		MON	2.4%	.40*†	TTL	4		0.0	5.0	1.0n			15mt		-55	125	2	G06159a	T086
38	MC3130L	6		MON	2.4%	.40*†	TTL	4		0.0	5.0	1.0n			15mt		-55	125	2	G06159a	T0116
39	MCB5460F	6		MON	2.4%	.40*†	TTL	4		0.0	5.0	5.0n			8.0mt		-55	125	2	G06166a	T086
40	MCBC5460	6		MON	2.4%	.40*†	TTL	4		0.0	5.0	5.0n			8.0mt		-55	125	2	G06166a	FC1
41	MC5460F	6	30MΔ	MON	2.4	.40	TTL	4		0.0	5.0	5.0n			8.0mt		-55	125	2	G06159b	T086
42	MC5460L	6	30MΔ	MON	2.4	.40	TTL	4		0.0	5.0	5.0n			8.0mt		-55	125	2	G06159c	T0116
43	MC7460F	6	30MΔ	MON	2.4	.40	TTL	4		0.0	5.0	5.0n			8.0mt		0	70	2	G06159b	T086
44	MC7460L,P%	6	30MΔ	MON	2.4	.40	TTL	4		0.0	5.0	5.0n			8.0mt		0	70	2	G06159c	T0116
45	MC3018F	6		MON	2.5%	.40*†	TTL	10		0.0	5.0				40mt		0	75	1	G06143a	T086
46	MC3018L,P%	6		MON	2.5%	.40*†	TTL	10		0.0	5.0				40mt		0	75	1	G06143a	T0116
47	MC3019F	6		MON	2.5%	.40*†	TTL	3		0.0	5.0				25mt		0	75	3	G06157	T086
48	MC3019L,P%	6		MON	2.5%	.40*†	TTL	3		0.0	5.0				25mt		0	75	3	G06157	T0116
49	MC3030F	6		MON	2.5%	.40*†	TTL	4		0.0	5.0	1.0n			15mt		0	75	2	G06159a	T086
50	MC3030L,P%	6		MON	2.5%	.40*†	TTL	4		0.0	5.0	1.0n			15mt		0	75	2	G06159a	T0116
51	MC410F	6		MON	3.3	.26	TTL	4	12	0.0	5.0					900m	0	75	2	G06159	T086
52	MC410L,P%	6		MON	3.3	.26	TTL	4	12	0.0	5.0					900m	0	75	2	G06159	T0116
53	MC411F	6		MON	3.3	.26	TTL	4	12	0.0	5.0					900m	0	75	2	G06160	T086
54	MC411L,P%	6		MON	3.3	.26	TTL	4	12	0.0	5.0					900m	0	75	2	G06160	T0116
55	MC460F	6		MON	3.3	.26	TTL	4	6	0.0	5.0					900m	0	75	2	G06159	T086
56	MC460L,P%	6		MON	3.3	.26	TTL	4	6	0.0	5.0					900m	0	75	2	G06159	T0116
57	MC461F	6		MON	3.3	.26	TTL	4	6	0.0	5.0					900m	0	75	2	G06160	T086
58	MC461L,P%	6		MON	3.3	.26	TTL	4	6	0.0	5.0					900m	0	75	2	G06160	T0116
59	MC510F	6		MON	3.3	.26	TTL	4	15	0.0	5.0					900m	-55	125	2	G06159	T086
60	MC510L	6		MON	3.3	.26	TTL	4	15	0	8					900m	-55	125	2	G06159	T0116
61	MC511F	6		MON	3.3	.26	TTL	4	15	0.0	5.0					900m	-55	125	2	G06160	T086
62	MC511L	6		MON	3.3	.26	TTL	4	15	0	8					900m	-55	125	2	G06160	T0116
63	MC560F	6		MON	3.3	.26	TTL	4	7	0.0	5.0					900m	-55	125	2	G06159	T086
64	MC560L	6		MON	3.3	.26	TTL	4	7	0	8					900m	-55	125	2	G06159	T0116
65	MC561F	6		MON	3.3	.26	TTL	4	7	0.0	5.0					900m	-55	125	2	G06160	T086
66	MC561L	6		MON	3.3	.26	TTL	4	7	0	8					900m	-55	125	2	G06160	T0116
67	SNG290J	6		MON	3.3	.26	TTL	3†	15†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	M157b
68	SNG290W	6		MON	3.3	.26	TTL	3†	15†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	Δ004AF
69	SNG291J	6		MON	3.3	.26	TTL	3†	7†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	M157b
70	SNG291W	6		MON	3.3	.26	TTL	3†	7†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	Δ004AF
71	SNG292J	6		MON	3.3	.26	TTL	3†	12†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	0	75	2	G06141	M157b
72	SNG292W	6		MON	3.3	.26	TTL	3†	12†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	0	75	2	G06141	Δ004AF
73	SNG293J	6		MON	3.3	.26	TTL	3†	6†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	0	75	2	G06141	M157b
74	SNG293W	6		MON	3.3	.26	TTL	3†	6†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	0	75	2	G06141	Δ004AF
75	TG180F	6		MON	3.3	.26	TTL	5Δ		0.0	5.0	3.0n%					-55	125	2	G0687	FP21c
76	TG180J	6		MON	3.3	.26	TTL	5Δ		0.0	5.0	3.0n%					-55	125	2	G0687	T0116
77	TG181F	6		MON	3.3	.26	TTL	5Δ		0.0	5.0	3.0n%					-55	125	2	G0687	FP21c
78	TG181J	6		MON	3.3	.26	TTL	5Δ		0.0	5.0	3.0n%					-55	125	2	G0687	T0116
79	TG182F	6		MON	3.3	.26	TTL	5Δ		0.0	5.0	3.0n%					0	75	2	G0687	FP21c
80	TG182J	6		MON	3.3	.26	TTL	5Δ		0.0	5.0	3.0n%					0	75	2	G0687	T0116
81	TG183F	6		MON	3.3	.26	TTL	5Δ		0.0	5.0	3.0n%					0	75	2	G0687	FP21c
82	TG183J	6		MON	3.3	.26	TTL	5Δ		0.0	5.0	3.0n%					0	75	2	G0687	T0116
83	TRWG290#1	6		MON	3.3	.26	TTL	3†	15†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	M157
84	TRWG290#2	6		MON	3.3	.26	TTL	3†	15†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	M126
85	SNG150J	6	20M	MON	3.3	.26	TTL	10	15†	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	M157b
86	SNG150W	6	20M	MON	3.3	.26	TTL	10	15†	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	Δ004AF
87	SNG151J	6	20M	MON	3.3	.26	TTL	10	7†	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	M157b
88	SNG151W	6	20M	MON	3.3	.26	TTL	10	7†	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	Δ004AF
89	SNG152J	6	20M	MON	3.3	.26	TTL	10	12†	0.0	5.0	4.0n			20m	900m	0	75	1	G06143	M157b
90	SNG152W	6	20M	MON	3.3	.26	TTL	10	12†	0.0	5.0	4.0n			20m	900m	0	75	1	G06143	Δ004AF
91	SNG153J	6	20M	MON	3.3	.26	TTL	10	6†	0.0	5.0	4.0n			20m	900m	0	75	1	G06143	M157b
92	SNG153W	6	20M	MON	3.3	.26	TTL	10	6†	0.0	5.0	4.0n			20m	900m	0	75	1	G06143	Δ004AF
93	SNG170J	6	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	M157b
94	SNG170W	6	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	Δ004AF
95	SNG171J	6	20M	MON	3.3	.26	TTL	4	7†	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	M157b
96	SNG171W	6	20M	MON	3.3	.26	TTL	4	7†	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	Δ004AF
97	SNG172J	6	20M	MON	3.3	.26	TTL	4	12†	0.0	5.0	3.0n			5.0m	900m	0	75	2	G0656	M157b
98	SNG172W	6	20M	MON	3.3	.26	TTL	4	12†	0.0	5.0	3.0n			5.0m	900m	0	75	2	G0656	Δ004AF
99	SNG173J	6	20M	MON	3.3	.26	TTL	4	6†	0.0	5.0	3.0n			5.0m	900m	0	75	2	G0656	M157b
100	SNG173W	6	20M	MON	3.3	.26	TTL	4	6†	0.0	5.0	3.0n			5.0m	900m	0	75	2	G0656	Δ004AF
101	SNG180J	6	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	3.0n				900m	-55	125	2	G0657	M157b
102	SNG180W	6	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	3.0n				900m	-55	125	2	G0657	Δ004AF
103	SNG181J	6	20M	MON	3.3	.26	TTL	4	7†	0.0	5.0	3.0n				900m	-55	125	2	G0657	M157b
104	SNG181W	6	20M	MON	3.3	.26	TTL	4	7†	0.0	5.0	3.0n				900m	-55	125	2	G0657	Δ004AF
105	SNG182J	6	20M	MON	3.3	.26	TTL	4	12†	0.0	5.0	3.0n				900m	0	75	2	G0657	M157b
106	SNG182W	6	20M	MON	3.3	.26	TTL	4	12†	0.0	5.0	3.0n				900m	0	75	2	G0657	Δ004AF
107	SNG183J	6	20M	MON	3.3	.26	TTL	4	6†	0.0	5.0	3.0n				900m	0	75	2	G0657	M157b
108	SNG183W	6	20M	MON	3.3	.26	TTL	4	6†	0.0	5.0	3.0n				900m	0	75	2	G0657	Δ004AF
109	TRWG150#1	6	20M	MON	3.3	.26	TTL	10	15†	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	M157
110	TRWG150#2	6	20M	MON	3.3	.26	TTL	10	15†	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	M126

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	TRWG170#1	6	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	M157
2	TRWG170#2	6	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	M126
3	TRWG180#1	6	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	3.0n				900m	-55	125	2	G0657	M157
4	TRWG180#2	6	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	3.0n				900m	-55	125	2	G0657	M126
5	RG151D	6		MON	3.4	.20	TTL	10		0.0	5	4.0n			20mt	1.1	-55	125	4	G06143	M105m
6	RG151K	6		MON	3.4	.20	TTL	10		0.0	5	4.0n			20mt	1.1	-55	125	4	G06143	FP28
7	RG152D	6		MON	3.4	.20	TTL	10		0.0	5	4.0n			20mt	1.1	0	75	4	G06143	M105m
8	RG152K	6		MON	3.4	.20	TTL	10		0.0	5	4.0n			20mt	1.1	0	75	4	G06143	FP28
9	RG153D	6		MON	3.4	.20	TTL	10		0.0	5	4.0n			20mt	1.1	0	75	4	G06143	M105m
10	RG153K	6		MON	3.4	.20	TTL	10		0.0	5	4.0n			20mt	1.1	0	75	4	G06143	FP28
11	RG170D	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10mt	1.1	-55	125	2	G0656	M105m
12	RG170K	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10mt	1.1	-55	125	2	G0656	FP28
13	RG171D	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10mt	1.1	-55	125	2	G0656	M105m
14	RG171K	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10mt	1.1	-55	125	2	G0656	FP28
15	RG172D	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10mt	1.1	0	75	2	G0656	M105m
16	RG172K	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10mt	1.1	0	75	2	G0656	FP28
17	RG173D	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10mt	1.1	0	75	2	G0656	M105m
18	RG173K	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10mt	1.1	0	75	2	G0656	FP28
19	RG290D	6		MON	3.4	.20	TTL	5		0.0	5.0	7.0n			30mt	1.0	-55	125	2		M105m
20	RG290K	6		MON	3.4	.20	TTL	5		0.0	5	7.0n			30mt	1.0	-55	125	2		FP28
21	RG291D	6		MON	3.4	.20	TTL	5		0.0	5.0	7.0n			30mt	1.0	-55	125	2		M105m
22	RG291K	6		MON	3.4	.20	TTL	5		0.0	5.0	7.0n			30mt	1.0	-55	125	2		FP28
23	RG292D	6		MON	3.4	.20	TTL	5		0.0	5.0	7.0n			30mt	1.0	0	75	2		M105m
24	RG292K	6		MON	3.4	.20	TTL	5		0.0	5.0	7.0n			30mt	1.0	0	75	2		FP28
25	RG293D	6		MON	3.4	.20	TTL	5		0.0	5.0	7.0n			30mt	1.0	0	75	2		M105m
26	RG293K	6		MON	3.4	.20	TTL	5		0.0	5.0	7.0n			30mt	1.0	0	75	2		FP28
27	RG150D	6	20	MON	3.4	.20	TTL	10		0.0	5.0	4.0n			20mt	1.1	-55	125	4	G06143	M105m
28	RG150K	6	20	MON	3.4	.20	TTL	10		0.0	5.0	4.0n			20mt	1.1	-55	125	4	G06143	FP28
29#	ZN5460E	6		MON	3.5	.20	TTL	5Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
30#	ZN5460F	6		MON	3.5	.20	TTL	5Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
31#	ZN7460E	6		MON	3.5	.20	TTL	5Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
32#	ZN7460F	6		MON	3.5	.20	TTL	5Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
33	MC2002F	6		MON	3.5	.25†	TTL	10	9	0.0	5.0				28mt		0	75	1	G06143	TO86
34	MC2002L,P%	6		MON	3.5	.25†	TTL	10	9	0.0	5.0				28mt		0	75	1	G06143	TO116
35	MC2006F	6		MON	3.5	.25†	TTL	4	9	0.0	5.0				14mt		0	75	2	G06159	TO86
36	MC2006L,P%	6		MON	3.5	.25†	TTL	4	9	0.0	5.0				14mt		0	75	2	G06159	TO116
37	MC2052F	6		MON	3.5	.25†	TTL	10	5	0.0	5.0				28mt		0	75	1	G06143	TO86
38	MC2052L,P%	6		MON	3.5	.25†	TTL	10	5	0.0	5.0				28mt		0	75	1	G06143	TO116
39	MC2056F	6		MON	3.5	.25†	TTL	4	5	0.0	5.0				14mt		0	75	2	G06159	TO86
40	MC2056L,P%	6		MON	3.5	.25†	TTL	4	5	0.0	5.0				14mt		0	75	2	G06159	TO116
41	MC2102F	6		MON	3.5	.25†	TTL	10	11	0.0	5.0				28mt		-55	125	1	G06143	TO86
42	MC2102L	6		MON	3.5	.25†	TTL	10	11	0.0	5.0				28mt		-55	125	1	G06143	TO116
43	MC2106F	6		MON	3.5	.25†	TTL	4	11	0.0	5.0				14mt		-55	125	2	G06159	TO86
44	MC2106L	6		MON	3.5	.25†	TTL	4	11	0.0	5.0				14mt		-55	125	2	G06159	TO116
45	MC2152F	6		MON	3.5	.25†	TTL	10	6	0.0	5.0				28mt		-55	125	1	G06143	TO86
46	MC2152L	6		MON	3.5	.25†	TTL	10	6	0.0	5.0				28mt		-55	125	1	G06143	TO116
47	MC2156F	6		MON	3.5	.25†	TTL	4	6	0.0	5.0				14mt		-55	125	2	G06159	TO86
48	MC2156L	6		MON	3.5	.25†	TTL	4	6	0.0	5.0				14mt		-55	125	2	G06159	TO116
49	MC478F	6		MON	3.5%	1.05*†	TTL	5		0.0	5.0	15nΔ	8.0n	5.0n	15mt		0	75	2	G06165	TO86
50	MC478L,P%	6		MON	3.5%	1.05*†	TTL	5		0.0	5.0	15nΔ	8.0n	5.0n	15mt		0	75	2	G06165	TO116
51	MC528F	6		MON	3.5%	1.05*†	TTL	5		0.0	5.0	15nΔ	8.0n	5.0n	15mt		-55	125	2	G06165	TO86
52	MC528L	6		MON	3.5%	1.05*†	TTL	5		0.0	5.0	15nΔ	8.0n	5.0n	15mt		-55	125	2	G06165	TO116
53	MC578F	6		MON	3.5%	1.05*†	TTL	5		0.0	5.0	15nΔ	8.0n	5.0n	15mt		-55	125	2	G06165	TO86
54	MC578L	6		MON	3.5%	1.05*†	TTL	5		0.0	5.0	15nΔ	8.0n	5.0n	15mt		-55	125	2	G06165	TO116
55	T213	6	15M	PCB	5.0	0.0	TTL	5Δ	1	0.0	5.0	2.0n			64m%	1.0			8	G0694e	CB☑
56	SNG230J	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	M157b
57	SNG230W	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	Δ004AF
58	SNG231J	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	M157b
59	SNG231W	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	Δ004AF
60	SNG232J	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	0	75	1	G06109	M157b
61	SNG232W	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	0	75	1	G06109	Δ004AF
62	SNG233J	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	0	75	1	G06109	M157b
63	SNG233W	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	0	75	1	G06109	Δ004AF
64	TRWG230#1	6,1	40M	MON	1.7%	1.2	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	M126
65	TRWG230#2	6,1	40M	MON	1.7%	1.2	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	M157
66	TG230F	6,1		MON	1.8%	1.1*	TTL	11Δ	15	0.0	5.0				25mt	1.0 Δ	-55	125	1	G06143	FP21c
67	TG230J	6,1		MON	1.8%	1.1*	TTL	11Δ	15	0.0	5.0				25mt	1.0 Δ	-55	125	1	G06143	TO116
68	TG231F	6,1		MON	1.8%	1.1*	TTL	11Δ		0.0	5.0				14mt		-55	125	1	G06143	FP21c
69	TG231J	6,1		MON	1.8%	1.1*	TTL	11Δ		0.0	5.0				14mt		-55	125	1	G06143	TO116
70	TG232F	6,1		MON	1.8%	1.1*	TTL	11Δ	15	0.0	5.0				25mt	1.0 Δ	0	75	1	G06143	FP21c
71	TG232J	6,1		MON	1.8%	1.1*	TTL	11Δ	15	0.0	5.0				25mt	1.0 Δ	0	75	1	G06143	TO116
72	TG233F	6,1		MON	1.8%	1.1*	TTL	11Δ		0.0	5.0				14mt		0	75	1	G06143	FP21c
73	TG233J	6,1		MON	1.8%	1.1*	TTL	11Δ		0.0	5.0				14mt		0	75	1	G06143	TO116
74	MC409F	6,1		MON	3.3	.26	TTL	10	12	0.0	5.0					900m	0	75	1	G06143	TO86
75	MC409L,P%	6,1		MON	3.3	.26	TTL	10	12	0.0	5.0					900m	0	75	1	G06143	TO116
76	MC459F	6,1		MON	3.3	.26	TTL	10	6	0.0	5.0					900m	0	75	1	G06143	TO86
77	MC459L,P%	6,1		MON	3.3	.26	TTL	10	6	0.0	5.0					900m	0	75	1	G06143	TO116
78	MC509F	6,1		MON	3.3	.26	TTL	10	15	0.0	5.0					900m	-55	125	1	G06143	TO86
79	MC509L	6,1		MON	3.3	.26	TTL	10	15	0	8					900m	-55	125	1	G06143	TO116
80	MC559F	6,1		MON	3.3	.26	TTL	10	7	0.0	5.0					900m	-55	125	1	G06143	TO86
81	MC559L	6,1		MON	3.3	.26	TTL	10	7	0	8					900m	-55	125	1	G06143	TO116
82	TG150F	6F		MON	1.7%	1.2*	TTL	11Δ		0.0	5.0				25mt		-55	125	1	G06109	FP21c
83	TG150J	6F		MON	1.7%	1.2*	TTL	11Δ		0.0	5.0				25mt		-55	125	1	G06109	TO116
84	TG151F	6F		MON	1.7%	1.2*	TTL	11Δ		0.0	5.0				25mt		-55	125	1	G06109	FP21c
85	TG151J	6F		MON	1.7%	1.2*	TTL	11Δ		0.0	5.0				25mt		-55	125	1	G06109	TO116
86	TG152F	6F		MON	1.8%	1.2*	TTL	11Δ		0.0	5.0				25mt		0	75	1	G06109	FP21c
87	TG152J	6F		MON	1.8%	1.2*	TTL	11Δ		0.0	5.0				25mt		0	75	1	G06109	TO116
88	TG153F	6F		MON	1.8%	1.2*	TTL	11Δ		0.0	5.0				25mt		0	75	1	G06109	FP21c
89	TG153J	6F		MON	1.8%	1.2*	TTL	11Δ		0.0	5.0				25mt		0	75	1	G06109	TO116
90▼	TF4519AJ#3	7		MOS	7.1%	2.9*	CMS			0.0	10	225nΔ			600u%		-55	125	4	K30139	M153d
91▼	TF4519AN#3	7		MOS	7.1%	2.9*	CMS			0.0	10	225nΔ			600u%		-55	125	4	K30139	M117x
92▼	TP4519AJ#3	7		MOS	7.1%	2.9*	CMS			0.0	10	300nΔ			3.0m%		-40	85		K30139	M153d
93▼	TP4519AN#3	7		MOS	7.1%	2.9*	CMS			0.0	10	300nΔ			3.0m%		-40	85		K30139	M117x
94	CD4077BE	7		MOS	9.99%	.01*†	CMS	2		0.0	10	70n			200m§		-40	85	4	G075	Δ001AB
95	MC14519AL#2	7		MOS	9.99%	.01*†	CMS	10	50	0.0	10	85n	75n	75n	100mt	2.2 Δ	-55	125	1	K306	M191
96	MC14519AL#3	7		MOS	9.99%	.01*†	CMS	10	50	0.0	10	200n	140n	140n	2.5u%	2.2 Δ	-55	125	1	K306	M191
97	MC14519CL#2	7		MOS	9.99%	.01*†	CMS	10	50	0.0	10	85n	110n	110n	100mt	2.2 Δ	-40	85	1	K306	M191
98	MC14519CL#3	7		MOS	9.99%	.01*†	CMS	10	50	0.0	10	200n	200n	200n	2.5u%	2.2 Δ	-40	85	1	K306	M191
99	MC14519CP#2	7		MOS	9.99%	.01*†	CMS	10	50	0.0	10	85n	110n	110n	100mt	2.2 Δ	-40	85	1	K306	M278
100	MC14519CP#3	7		MOS	9.99%	.01*†	CMS	10	50	0.0	10	85n	110n	110n	100m%	2.2 Δ	-40	85	1	K306	M278
101♦#	SP1031	7		MON	-.75	-1.6†	ECT	2	25	5.2	0.0	5.0n			130mt		0	75	4	G076	M257a
102♦#	SP1231	7		MON	-.75	-1.6†	ECT	2	25	5.2	0.0	5.0n			130mt		-55	125	4	G076	M257a
103	MC1674F	7		MON	-.96%	-1.6*†	ECT	2	70	5.2	0.0	1.3n	2.5n	2.2n	220mt		-30	85	3	G071	FP85
104	MC1674L	7		MON	-.96%	-1.6*†	ECT	2	70	5.2	0.0	1.3n	2.5n	2.2n	220mt		-30	85	3	G071	M191
105	MC7242F	7		MON		.40*†	TTL	2	10	0.0	5.0	18n%			170mt		0	75	4		TO86
106	MC7242L,P%	7		MON		.40*†	TTL	2	10	0.0	5.0	18n%			170mt		0	75	4		TO116
107	MC8242F	7		MON		.40*†	TTL	2	10	0.0	5.0	18n%			170mt		-55	125	4		TO86
108	MC8242L	7		MON		.40*†	TTL	2	10	0.0	5.0	18n%			170mt		-55	125	4		TO116
109	5560A	7	25M	PCB	2.0%	.45*	TTL	2	10	0.0	7.0	14n%	2.0n†	2.5n†	264mt		0	70	12		CB62
110	SN54LS266J	7		MON	2.0%	.70*	TTL	2		0.0	5.0	30n			40m%		-55	125	4	G075	M157b

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN54LS266W	7		MON	2.0%	.70*	TTL	2		0.0	5.0	30n			40m%		-55	125	4	G075	Δ004AA
2	9386DC	7		MON	2.0%	.80*	TTL	2		0.0	5.0	25nΔ			170m†		0	70	4	G074	M105ad
3	9386DM	7		MON	2.0%	.80*	TTL	2		0.0	5.0	25nΔ			170m†		-55	125	4	G074	M105ad
4	9386FC	7		MON	2.0%	.80*	TTL	2		0.0	5.0	25nΔ			170m†		0	70	4	G074	FP115
5	9386FM	7		MON	2.0%	.80*	TTL	2		0.0	5.0	25nΔ			170m†		-55	125	4	G074	FP115
6	SN74LS266J	7		MON	2.0%	.80*	TTL	2		0.0	5.0	30n			40m%		-55	125	4	G075	M157b
7	SN74LS266N	7		MON	2.0%	.80*	TTL	2		0.0	5.0	30n			40m%		-55	125	4	G075	M126e
8	MC3122F	7		MON	2.4%	.40*†	TTL	2	8	0.0	5.0	14n			85m†		-55	125	4	G05104	TO86
9	MC3122L	7		MON	2.4%	.40*†	TTL	2	8	0.0	5.0	14n			85m†		-55	125	4	G05104	TO116
10	MC3022F	7		MON	2.5%	.40*†	TTL	2	8	0.0	5.0	14n			85m†		0	75	4	G05104	TO86
11	MC3022L,P%	7		MON	2.5%	.40*†	TTL	2	8	0.0	5.0	14n			85m†		0	75	4	G05104	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. TIME DELAY

IN ORDER OF (1)TIME DELAY(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TIME DELAY TYPE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MIN. DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦#	FLH641-49703	1		MON	2.0%	.80*	TTL	2†	10	0.0	5.0	18nΔ			135m§	1.0 Δ	0	70	6	J011	M117w
2♦	TCA350	3	500kΔ	MON	-19	0.0	CMS			24	0.0	185u					-20	60	1	J032	TO77
3	543	3		PCB	2.0%	.45*	DTL	3	25	0.0	5.0	25n	120n		500m§		0	70	2		CB62
4	B360	3AG	10M	PCB	0.0	-3.0	RTL	1	12	15	10	20n			800m	800m	-20	85	1	J031	CB31
5	D50	4		PCB	2.6%	.50*		3		0	5.0	100n					0	70	3		
6♦	MOF2	4	5.0M	PCB	3.0%	.40*		2	8	0.0	5.0	120n			150m	1.0	0	70	2		CB53
7♦	MOF4	4	5.0M	PCB	3.0%	.40*		2	8	0.0	5.0	120n			150m	1.0	0	70	4		CB53
8♦	TMOF2	4	5.0M	PCB	3.3	.22				0.0	5.0	25n*			250m†	1.0 Δ	0	70	2	J0438	CB53
9♦	TMOF4	4	5.0M	PCB	3.3	.22				0.0	5.0	25n*			500m†	1.0 Δ	0	70	4	J0438	CB53
10	HD1-54C221	4		MOS	8.0%	2.0*	CMS			0.0	10	250n%Δ			500m	4.5 Δ	-55	125	2	J0445	M200q
11	HD1-74C221	4		MOS	8.0%	2.0*	CMS			0.0	10	250n%Δ			500m	4.5 Δ	-40	85	2	J0445	M200q
12	HD9-54C221	4		MOS	8.0%	2.0*	CMS			0.0	10	250n%Δ			500m	4.5 Δ	-55	125	2	J0445	FP103
13	HD9-74C221	4		MOS	8.0%	2.0*	CMS			0.0	10	250n%Δ			500m	4.5 Δ	-40	85	2	J0445	FP103
14	MIC941-1B	4		MON			DTL	3	10	0	5.5						-55	125	1	J0433a	FP32
15	MIC941-1D	4		MON			DTL	3	10	0	5.5						-55	125	1	J0433a	M75g
16	MIC941-5B	4		MON			DTL	3	10	0	5.0						0	75	1	J0433a	FP32
17	MIC941-5D	4		MON			DTL	3	10	0	5.0						0	75	1	J0433a	M75g
18	MIC951-1B	4		MON			DTL	3Δ	10	0	5.0	100nΔ			40m		-55	125	1	J0429	FP32
19	MIC951-1C	4		MON			DTL	2	10	0	5.0	100nΔ			40m		-55	125	1	J0429	CN38
20	MIC951-5B	4		MON			DTL	3Δ	10	0	5.0	100nΔ			42m		0	75	1	J0429	FP32
21	MIC951-5C	4		MON			DTL	2	10	0	5.0	100nΔ			42m		0	75	1	J0429	CN38
22	MOS1	4	2.0M	PCB	2.0%	.50*	DTL	2	25	5.0	5.0	500n					0	70	3	J0437	CB37c
23	SW751-1P	4	10M†	MON	2.5%	.40*†	DTL	4†	10	0.0	5.0	25n%			40m†		-55	125	1	J0433a	TO116
24#	9951DM	4		MON	2.5%	.45†*	DTL	4Δ	10	0.0	5.0	40nΔ			54m§		-55	125	1	J0433	M294
25#	9951FM	4		MON	2.5%	.45†*	DTL	4Δ	10	0.0	5.0	40nΔ			54m§		-55	125	1	J0433	FP28g
26♦	MIC951-1D	4		MON	2.6%	.40*†	DTL	3Δ	10	0	5.0	100nΔ			40m		-55	125	1	J0429	M313b
27♦	MIC951-5D	4		MON	3.2%	.45*†	DTL	3Δ	10	0	5.0	100nΔ			42m		0	75	1	J0429	M313b
28	SFC951E	4		MON	3.2%	.45†*	DTL	4Δ		0.0	5.0						0	75	1	J0433	M126
29	SW751-2M	4	10M†	MON	3.2%	.45*†	DTL	4†	10	0.0	5.0	25n%			40m†		0	75	1	J0433a	M105n
30	SW751-2P	4	10M†	MON	3.2%	.45*†	DTL	4†	10	0.0	5.0	25n%			40m†		0	75	1	J0433a	TO116
31#	9951BC	4		MON	3.2%	.50†*	DTL	4Δ	10	0.0	5.0	40nΔ			54m§	1.0 Δ	0	75	1	J0433	M126u
32#	9951DC	4		MON	3.2%	.50*†	DTL	4Δ	10	0.0	5.0	40nΔ			54m§	1.0 Δ	0	75	1	J0433	M294
33#	9951FC	4		MON	3.2%	.50†*	DTL	4Δ	10	0.0	5.0	40nΔ			54m§		0	75	1	J0433	FP28g
34	I301	4		PCB	5.0	0.0	DTL	2	10	4.8	5.2	90n	50n	25n	200m	1.0	0	70	4		CB☑
35	MC667L,P%	4		MON	12.5%	1.5*†	DTL	1	10	0.0	15	140n†			240m†		-30	75	2	J0440	TO116
36#	T118B1	4		MON	1.7	1.4	TTL	6	10	0.0	5.0	50nΔ			131m§	1.0 Δ	0	75	1	J0438	M126u
37#	T118D1	4		MON	1.7	1.4	TTL	6	10	0.0	5.0	50nΔ			131m§	1.0 Δ	0	75	1	J0438	M294
38#	T118D2	4		MON	1.7	1.4	TTL	6	10	0.0	5.0	50nΔ			137m§	1.0 Δ	-55	125	1	J0438	M294
39#	T118F1	4		MON	1.7	1.4	TTL	6	10	0.0	5.0	50nΔ			131m§	1.0 Δ	0	75	1	J0438	FP28g
40#	T118F2	4		MON	1.7	1.4	TTL	6	10	0.0	5.0	50nΔ			137m§	1.0 Δ	-55	125	1	J0438	FP28g
41	9601FC	4		MON	1.8%	.85*	TTL	4	12	0.0	5.0	45n			200m		0	75	1	J0438	FP28b
42	546	4		PCB	2.0%	.45*	TTL	5	8	0.0	5.0	40n			500m†		0	70	4		CB62
43	5540	4		PCB	2.0%	.80*	TTL	9	10	0.0	5.0	50n			460m†		0	70	4		CB62
44	SN54L121J	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	160nΔ			45m%	1.2 Δ	-55	125	1	J0447	M157b
45	SN54L121T	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	160nΔ			45m%	1.2 Δ	-55	125	1	J0447	FP52e
46	SN74L121J	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	160nΔ			45m%	1.2 Δ	0	70	1	J0447	M157b
47	SN74L121N	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	160nΔ			45m%	1.2 Δ	0	70	1	J0447	M126e
48	SN29601J	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	40nΔ			115m%		0	75	1	J0438	M157b
49	SN29601N	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	40nΔ			115m%		0	75	1	J0438	M126e
50#	ZN1010E	4			2.0%	.80*	TTL	3	10	0.0	5.25	35n					-55	125	1	J0442	M105ac
51#	ZN1010F	4			2.0%	.80*	TTL	3	10	0.0	5.25	35n					-65	125	1	J0442	TO86
52	MIC9601-1B	4	10M	MON	2.0%	.80*	TTL	4	16	0	5.0	50nΔ					-55	125	1	J0438	FP32
53	MIC9601-1D	4	10M	MON	2.0%	.80*	TTL	4	16	0	5.0	50nΔ					-55	125	1	J0438	TO116
54	MIC9601-5B	4	10M	MON	2.0%	.80*	TTL	4	16	0	5.0	50nΔ					0	75	1	J0438	FP32
55	MIC9601-5D	4	10M	MON	2.0%	.80*	TTL	4	16	0	5.0	50nΔ					0	75	1	J0438	TO116
56	9941DM	4		MON	2.0%	.85*	TTL	4Δ	20	0.0	5.0	40nΔ			54m		-55	125	1	J0433a	M157
57	9941FM	4		MON	2.0%	.85*	TTL	4Δ	20	0.0	5.0	40nΔ			54m		-55	125	1	J0433a	FP28b
58	9941HM	4		MON	2.0%	.85*	TTL	4Δ	20	0.0	8.0						-55	125	1	J0433a	TO100
59	9951HM	4		MON	2.0%	.85*	TTL	4Δ	20	0.0	8.0						-55	125	1	J0433	TO100
60	RM555T#2	4		MON	3.3	.10†	TTL	5		0.0	5.0		100n†	100n†	600m		-55	125	1	C0122	CN13
61	RM556D#2	4		MON	3.3	.10†	TTL	5		0.0	5.0		100n†	100n†	600m		-55	125	2	C0122a	M312
62	RC555DN#2	4		MON	3.3	.25†	TTL	5		0.0	5.0		100n†	100n†	600m		-55	125	1	C0122	M239c
63	RC555T#2	4		MON	3.3	.25†	TTL	5		0.0	5.0		100n†	100n†	600m		0	70	1	C0122	CN13
64	RC556D#2	4		MON	3.3	.25†	TTL	5		0.0	5.0		100n†	100n†	600m		0	70	2	C0122a	M312
65	RC556DP#2	4		MON	3.3	.25†	TTL	5		0.0	5.0		100n†	100n†	600m		0	70	2	C0122a	M313
66	540T	4	20M	PCB	5.5	0	TTL	1	30	0	5.0	60n					0	70	2		
67▼#	M53322P	4.5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	65n			147m	1.0	0	75	1	J0444	M105j
68▼#	MIC74122N	4.5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			115m†	1.0	0	75	1	J0444	M126x
69#	SFC4122E	4.5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			154m	1.0	0	70	1	J0444	TO116
70#	SFC4122EM	4.5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			154m	1.0	-55	125	1	J0444	TO116
71#	SFC4122ET	4.5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			154m	1.0	-25	85	1	J0444	TO116
72#	SFC4122PM	4.5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			154m	1.0	-55	125	1	J0444	TO85
73#	M53323P	4.5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			347m	1.0	0	75	2	J0444	M153b
74	5546	4,5		PCB	2.0%	.80*	TTL	5	10	0.0	5.0	30n			920m†		0	70	8		CB62
75	AM26123DC	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65nΔ			347m	1.0	0	70	2	J0582a	M224c
76	AM26123DM	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65nΔ			347m	1.0	-55	125	2	J0582a	M224c
77	AM26123FM	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65nΔ			347m	1.0	-55	125	2	J0582a	FP79b
78	AM26123PC	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65nΔ			347m	1.0	0	70	2	J0582a	M357
79#	MIC54122AJ	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	65n			154m§	1.0	-55	125	1	J0444	TO116
80▼#	MIC54122J	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			115m†	1.0	-55	125	1	J0444	TO116
81#	MIC54123AJ	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65n			363m§	1.0	-55	125	2	J0445	M153a
82▼#	MIC54123J	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	40nΔ			230m†	1.0	-55	125	2	J0445	M153g
83#	MIC64122AJ	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	65n			147m§	1.0	-40	85	1	J0444	TO116
84#	MIC64123AJ	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65n			347m§	1.0	-40	85	2	J0445	M153a
85#	MIC74122AJ	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	65n			147m§	1.0	0	75	1	J0444	TO116
86#	MIC74122AN	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	65n			147m§	1.0	0	75	1	J0444	TO116
87▼#	MIC74122J	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			115m†	1.0	0	75	1	J0444	TO116
88#	MIC74123AJ	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65n			347m§	1.0	0	75	2	J0445	M153a
89#	MIC74123AN	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65n			347m§	1.0	0	75	2	J0445	M153a
90▼#	MIC74123J	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	40nΔ			230m†	1.0	0	75	2	J0445	M153g
91▼#	MIC74123N	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	40nΔ			230m†	1.0	0	75	2	J0445	M117ab
92#	SFC4123E	4,5		MON	2.0%	.80*	TTL	5	20	0.0	5.0	40nΔ	40n☑		363m	1.0	0	70	2	J0448	M117
93#	SFC4123EM	4,5		MON	2.0%	.80*	TTL	5	20	0.0	5.0	40nΔ	40n☑		363m	1.0	-55	125	2	J0448	M117
94#	SFC4123ET	4,5		MON	2.0%	.80*	TTL	5	20	0.0	5.0	40nΔ	40n☑		363m	1.0	-25	85	2	J0448	M117
95	SW74122J	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5.25	65n			154m	1.0	0	70	1	J0444	M114
96	SW74122N	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5.25	65n			147m	1.0	0	70	1	J0444	M105n
97	SW74123J	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.25	65n			347m	1.0	0	70	2	J0445	M153
98	SW74123N	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.25	65n			347m	1.0	0	70	2	J0445	M105n
99#	TL74122N	4,5		MON	2.0%	.80*	TTL	8	20	0.0	5.0	40n			147m†		0	70	1	J0444	M126n
100#	TL74123N	4,5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40n			341m†		0	70	2	J0445	M117u
101	DM54L123N	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			363m	1.0	-55	125	2	J0444	M345
102	DM74L123N	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			363m	1.0	0	70	2	J0444	M345
103	DM54123N	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			363m	1.0	-55	125	2	J0444	M345
104	DM74123N	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			363m	1.0	0	70	2	J0444	M345
105	SN54122J	4,5		MON	2.4	.40	TTL	5	10	0.0	5.0	65n			154m	1.0	-55	125	1	J0444	M157b
106	SN54122W	4,5		MON	2.4	.40	TTL	5	10	0.0	5.0	65n			154m	1.0	-55	125	1	J0444	Δ004AA
107	SN54123J	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			363m	1.0	-55	125	2	J0445	M153d
108	SN54123N	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			363m	1.0	-55	125	2	J0445	M117m
109	SN54123W	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			363m	1.0	-55	125	2	J0445	Δ004AG
110	SN74122J	4,5		MON	2.4	.40	TTL	5	10	0.0	5.0	65n			147m	1.0	0	70	1	J0444	M157b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. TIME DELAY

IN ORDER OF (1)TIME DELAY(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TIME DELAY TYPE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MIN. DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN74122N	4,5		MON	2.4	.40	TTL	5	10	0.0	5.0	65n			147m	1.0	0	70	1	J0444	M126e
2	SN74122W	4,5		MON	2.4	.40	TTL	5	10	0.0	5.0	65n			147m	1.0	0	70	1	J0444	Δ004AF
3	SN74123J	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			347m	1.0	0	70	2		M153d
4	SN74123N	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			347m	1.0	0	70	2	J0445	M117x
5	SN74123W	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			347m	1.0	0	70	2	J0445	Δ004AG
6#	ZN54122E	4,5		MON	2.4	.40	TTL	5	10	0.0	5.0	65n			154m	1.0 Δ	-55	125	1	J0444	T0116
7#	ZN54122J	4,5		MON	2.4	.40	TTL	5	10	0.0	5.0	65n			154m	1.0 Δ	-55	125	1	J0444	M257e
8#	ZN54123E	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			363m	1.0 Δ	-55	125	2	J0445	T0116
9#	ZN54123J	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			363m	1.0 Δ	-55	125	2	J0445	M257e
10#	ZN74122E	4,5		MON	2.4	.40	TTL	5	10	0.0	5.0	65n			154m	1.0 Δ	0	70	1	J0444	T0116
11#	ZN74122J	4,5		MON	2.4	.40	TTL	5	10	0.0	5.0	65n			154m	1.0 Δ	0	70	1	J0444	M257e
12#	ZN74123E	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			363m	1.0 Δ	0	70	2	J0445	T0116
13#	ZN74123J	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			363m	1.0 Δ	0	70	2	J0445	M257e
14	540Δ	4F	5.0M	PCB	5.0	.45	DTL	4	12	0	5.0	75n					0	70	2	J0572	CB55
15▼#	OM802#1	5				.25#				0.0	6.0				165m		-55	125	1	J05109	CN71c
16	LM122F	5			0.0	1.6		6		0.0	40	3.0u			500m		-55	125	1	J05100	FP96
17	LM122H	5			0.0	1.6		6		0.0	40	3.0u			500m		-55	125	1	J05100	CN23b
18	LM222H	5			0.0	1.6		6		0.0	40	3.0u			500m		-25	85	1	J05100	CN23b
19	LM322H	5			0.0	1.6		6		0.0	40	3.0u			500m		0	70	1	J05100	CN23b
20	LM322N	5			0.0	1.6		6		0.0	40	3.0u			500m		0	70	1	J05100	M344
21	LM2905N	5			0.0	1.6		4		0.0	40	3.0m$			500m		-40	85	1	J05100a	M239b
22	LM3905N	5			0.0	1.6		4		0.0	40	3.0m$			500m		0	70	1	J05100a	M239b
23♦	MOA2	5	5.0M	PCB	3.0%	.40*		2	8	0.0	5.0	120n			150m	1.0	0	70	2		CB53
24♦	MOA4	5	5.0M	PCB	3.0%	.40*		2	8	0.0	5.0	120n			150m	1.0	0	70	2		CB53
25♦	TMOA2	5	5.0M	PCB	3.3	.22				0.0	5.0	25n*			250m†	1.0 Δ	0	70	2	J0438	CB53
26♦	TMOA4	5	5.0M	PCB	3.3	.22				0.0	5.0	25n*			500m†	1.0 Δ	0	70	4	J0438	CB53
27	MC14528AL	5		MOS	9.99%	.01*†		3		0.0	10	230n%	75n	75n	40u%		-55	125	2	J0582	M200w
28	MC14528CL	5		MOS	9.99%	.01*†		3		0.0	10	230n%	110n	110n	400u%		-40	85	2	J0582	M200w
29	MC14528CP	5		MOS	9.99%	.01*†		3		0.0	10	230n%	110n	110n	400u%		-40	85	2	J0582	M117y
30	SCL4528AC	5		MOS	9.99%	.01*†		3		0.0	10	175n	75n	75n	20u%	4.5 Δ	-55	125	2	J0582	M475d
31	SCL4528AD	5		MOS	9.99%	.01*†		3		0.0	10	175n	75n	75n	20u%	4.5 Δ	-55	125	2	J0582	M475e
32	SCL4528AE	5		MOS	9.99%	.01*†		3		0.0	10	175n	75n	75n	20u%	4.5 Δ	-40	85	2	J0582	M475f
33	SCL4528AF	5		MOS	9.99%	.01*†		3		0.0	10	175n	75n	75n	20u%	4.5 Δ	-55	125	2	J0582	FP111
34	SCL4528AH	5		MOS	9.99%	.01*†		3		0.0	10	175n	75n	75n	20u%	4.5 Δ	-55	125	2	J0582	FC☑
35▼	349AJ	5		MON	10%	1.8*†				0.0	15	750nΔ			750m§	3.5 *	-30	70	2	J05107	M319
36▼	349AL	5		MON	10%	1.8*†				0.0	15	750nΔ			750m§	3.5 *	-30	70	2	J05107	M200j
37▼	349BL	5		MON	10%	1.8*†				0.0	15	750nΔ			750m§	3.5 *	-55	125	2	J05107	M200j
38▼	349CJ	5		MON	10%	1.8*†				0.0	15	750nΔ			750m§	3.5 *	-30	70	2	J05107	M319
39▼	349CL	5		MON	10%	1.8*†				0.0	15	750nΔ			750m§	3.5 *	-30	70	2	J05107	M200j
40▼	349ML	5		MON	10%	1.8*†				0.0	15	750nΔ			750m§	3.5 *	-55	125	2	J05107	M200j
41	XR320#1	5		MON	10.4%Δ	1.5*†		4		0.0	12		100n†	40n†	750m		0	75	1	C0121	M294e
42▼	556J	5		MON	12%	2.7*†				0.0	15		100n	100n†	530m		0	70	2	J05106	M157f
43▼	556L	5		MON	12%	2.7*†				0.0	15		100n	100n†	530m		0	70	2	J05106	M157g
44	LM555CH#1	5			12.5	2.5†		5		0.0	15	10u$	100n†	100n†	600m		0	70	1	J0598	CN13
45	LM555CN#1	5			12.5	2.5†		5		0.0	15	10u$	100n†	100n†	600m		0	70	1	J0598	M239b
46	LM555H#1	5			12.5	2.5†		5		0.0	15	10u$	100n†	100n†	600m		-55	125	1	J0598	CN13
47	CD4098BE	5		MOS	9.99%	.01*†	CMS	3		0.0	10	75nt$			200n%	4.5 Δ	-40	85	2	J05104	Δ001AC
48#	MIC342-1D	5		MON			DTL			0.0	12						-55	125	2		M153a
49#	MIC342-1D1	5		MON			DTL			0.0	15						-55	125	2		M153a
50#	MIC342-5D	5		MON			DTL			0.0	12						-30	85	2		M153a
51#	MIC342-5D1	5		MON			DTL			0.0	15						-30	85	2		M153a
52	SW951-1P	5	10M†	MON		.30†	DTL	3Δ	10	0.0	5.0	25n%			30m†	1.0	-55	125	1	J0574	T0116
53	SW951-2M	5	10M†	MON		.30†	DTL	3Δ	10	0.0	5.0	25n%			30m†	1.0	0	75	1	J0574	M105n
54	SW951-2P	5	10M†	MON		.30†	DTL	3Δ	10	0.0	5.0	25n%			30m†	1.0	0	75	1	J0574	T0116
55	SW728-1P	5	10M†	MON	1.8%	1.2*	DTL	5	16	0.0	5.0	25n%			35m†	1.0	-55	125	1	J0550	T0116
56	SW728-2M	5	10M†	MON	1.8%	1.2*	DTL	5	16	0.0	5.0	25n%			35m†	1.0	0	75	1	J0550	M105n
57	SW728-2P	5	10M†	MON	1.8%	1.2*	DTL	5	16	0.0	5.0	25n%			35m†	1.0	0	75	1	J0550	T0116
58	RM288D	5		MON	2.0%	1.0*	DTL	2	11†	0.0	6.0	100nΔ			75m		-55	125	1	J0576	M105w
59	RM288T	5		MON	2.0%	1.0*	DTL	2	11†	0.0	6.0	100nΔ			75m		-55	125	1	J0576	CN12a
60	RM951D	5		MON	2.0%	1.0*	DTL	6	10	0	5.0				35m†		-55	125	1		M105m
61	RM951J	5		DTL	2.0%	1.0*	DTL	6	10	0	5.0				35m†		-55	125	1		FP28
62	RM951Q	5		DTL	2.0%	1.0*	DTL	6	10	0	5.0				35m†		-55	125	1		FP26b
63	RM951T	5		DTL	2.0%	1.0*	DTL	6	10	0	5.0				35m†		-55	125	1		TO101
64	SN15851	5		MON	2.5%	.45*	DTL	3Δ	20	0	8.0	50n			20m†		0	75	1	J0563	TO84
65	SN15851N	5		MON	2.5	.45	DTL	3Δ	10	0	8.0	50n			20m†		0	75	1	J0563	M75a
66	MC951F	5		MON	2.6%	.40*	DTL	3Δ	10	0.0	5.0	40n			30m†		-55	125	1	J0545	TO86
67	MC951G	5		MON	2.6%	.40*	DTL	2Δ	10	0.0	5.0	40n			30m†		-55	125	1	J0545a	TO100
68	MC951L	5		MON	2.6%	.40*	DTL	3Δ	10	0.0	5.0	40n			30m†		-55	125	1	J0545	TO116
69	SN15951N	5		MON	2.6%	.40†*	DTL	3	10	0.0	5.0	50nΔ			20m†		-55	125	1	J0563	M126a
70	MC851F	5		MON	2.6%	.45*	DTL	3Δ	10	0.0	5.0	40n			30m†		0	75	1	J0545	TO86
71	MC851G	5		MON	2.6%	.45*	DTL	2Δ	10	0.0	5.0	40n			30m†		0	75	1	J0545a	TO100
72	MC851L,P%	5		MON	2.6%	.45*	DTL	3Δ	10	0.0	5.0	40n			30m†		0	75	1	J0545	TO116
73	SN15951	5		MON	2.6	.45*†	DTL	3Δ	20	0	8.0	90n			20m†		-55	125	1	J0563	TO84
74♦	SP362A	5		MON	3.5%	.40*	DTL		5	0.0	5.0	35n%		40n†	125m		0	75	1	J0579	M☑
75	K303	5	100k	PCB	5.0	0	DTL	2	15	0	5.0	5.0u				1.6	-20	65	3		
76	I302	5		PCB	5.0	0.0	DTL	2	10	4.8	5.2	90n	50n	25n	100m	1.0	0	70	2		CB☑
77	I311	5		PCB	5.0	0.0	DTL	1	8	4.8	5.2	90n	50n	25n	60m	1.0	0	70	2	J0575	CB☑
78	342AJ	5		MON	6.5*	5.0%	DTL	5	5	0.0	15	260nΔ			345m†	3.2	-30	70	2	J0549	M319
79	342AL	5		MON	6.5*	5.0%	DTL	5	5	0.0	15	260nΔ			345m†	3.2	-30	70	2	J0549	M200j
80	342BL	5		MON	6.5*	5.0%	DTL	5	5	0.0	12	260nΔ			204m†	3.5	-55	125	2	J0549	M200j
81	342CJ	5		MON	6.5*	5.0%	DTL	2Δ	5	0.0	12	140nΔ			200m	5.0 Δ	-30	85	2	J0549	M319
82	342CL	5		MON	6.5*	5.0%	DTL	5	5	0.0	12	260nΔ			204m†	3.5	-30	85	2	J0549	M200j
83	342ML	5		MON	6.5*	5.0%	DTL	5	5	0.0	15	260nΔ			345m†	3.2	-55	125	2	J0549	M200j
84	347AJ	5		MON	6.5*	5.0%	DTL	5	5	0.0	15	200n				3.2	-30	70	2	J05102	M319
85	347AL	5		MON	6.5*	5.0%	DTL	5	5	0.0	15	200n				3.2	-30	70	2	J05102	M200j
86	347BL	5		MON	6.5*	5.0%	DTL	5	5	0.0	12	200n				3.5	-55	125	2	J05102	M200j
87	347CJ	5		MON	6.5*	5.0%	DTL	5	5	0.0	12	200n				3.5	-30	85	2	J05102	M319
88	347CL	5		MON	6.5*	5.0%	DTL	5	5	0.0	12	200n				3.5	-30	85	2	J05102	M200j
89	347ML	5		MON	6.5*	5.0%	DTL	5	5	0.0	15	200n				3.2	-55	125	2	J05102	M200j
90	ITT342-1D	5			6.5	5.0	DTL	6		0.0	12	150nΔ					-55	125	2	J0596	M200d
91	ITT342-5D	5			6.5	5.0	DTL	6		0.0	12	140nΔ					-30	85	2	J0596	M200d
92♦#	FZK101	5		MON	7.5%	4.5*	DTL	12Δ	10	0.0	12	180n%			228m§	5.0 Δ	0	70	1	J05103	M117aa
93♦#	FZK105	5		MON	7.5%	4.5*	DTL	12Δ	10	0.0	12	180n%			228m§	5.0 Δ	-25	85	1	J05103	M117aa
94♦#	H117D1#2	5		MON	8.0%	6.0*	DTL	2	25	0.0	20	91uΔ			500m%	5.0	0	75	1	C0114	M443
95♦#	H117D2#2	5		MON	8.0%	6.0*	DTL	2	25	0.0	16	91uΔ			400m%	5.0	-55	125	1	C0114	M443
96♦#	H117D6#2	5		MON	8.0%	6.0*	DTL	2	25	0.0	16	91uΔ			400m%	5.0	-40	85	1	C0114	M443
97	R303	5	2.0M	PCB	0.0	-3.0	RCT	3		15	10	3.5u					-20	65	1	B038aa	CB31a
98♦	LCE706	5	1.0M	MOH	6.0	0.0†	RTL			6.0	12	30n					-15	65	1		M45
99♦	LCE306	5	3.0M	MOH	6.0	0.0†	RTL			6.0	12	25n	50n	60n	40m		-40	100	1	J0525	CN27
100♦	LCE406	5	3.0M	MOH	6.0	0.0†	RTL			6.0	12	25n			200m		-40	100	1	J0526	M45
101♦	LCE506	5	5.0M	MOH	6.0	0.0†	RTL			6.0	12	25n					-30	80	1		M45
102♦	SE555T	5		MON		.10†	TTL	5		0.0	5.0		100n†	100n†	600m		-55	125	1	J0598	CN46b
103♦	SE555V	5		MON		.10†	TTL	5		0.0	5.0		100n†	100n†	600m		-55	125	1	J0598	M239d
104♦	NE555T	5		MON		.25†	TTL	5		0.0	5.0		100n†	100n†	600m		0	70	1	J0598	CN46b
105♦	NE555V	5		MON		.25†	TTL	5		0.0	5.0	1.0u%	100n†	100n†	600m		0	70	1	J0598	M239d
106▼	NE553BA	5		MON		1.0†	TTL	2		0.0	5.0	1.0u%	100n†	100n†	135m§		0	70	4	J05110	M317
107▼	NE553F	5		MON		1.0†	TTL	2		0.0	5.0	1.0u%	100n†	100n†	135m§		0	70	4	J05110	M200v
108▼	NE554BA	5		MON		1.0†	TTL	2		0.0	5.0	1.0u%	100n†	100n†	135m§		0	70	4	J05110	M317
109▼	NE554F	5		MON		13.5†	TTL	2		0.0	5.0	1.0u%	100n†	100n†	135m§		0	70	4	J05110	M200v
110▼	SE553BA	5		MON		13.5†	TTL	2		0.0	5.0	1.0u%	100n†	100n†	135m§		-55	125	4	J05110	M317

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. TIME DELAY

IN ORDER OF (1)TIME DELAY(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TIME DELAY TYPE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MIN. DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	SE553F	5		MON		13.5†	TTL	2		0.0	5.0	1.0u%	100n†	100n†	135m§		-55	125	4	J05110	M200v
2▼	SE554BA	5		MON		13.5†	TTL	2		0.0	5.0	1.0u%	100n†	100n†	135m§		-55	125	4	J05110	M317
3▼	SE554F	5		MON		13.5†	TTL	2		0.0	5.0	1.0u%	100n†	100n†	135m§		-55	125	4	J05110	M200v
4▼	N9602B	5		MON	1.65%	.85*	TTL	5	10	0.0	5.0	48n△			260m%	1.0 †	0	75	2	J0582	M317
5▼	N9602F	5		MON	1.65%	.85*	TTL	5	10	0.0	5.0	48n△			260m%	1.0 †	0	75	2	J0582	M200v
6▼	N9602W	5		MON	1.65%	.85*	TTL	5	10	0.0	5.0	48n△			260m%	1.0 †	0	75	2	J0582	FP47g
7▼	S9602B	5		MON	1.65%	.85*	TTL	5	10	0.0	5.0	43n△			225m%	1.0 †	-55	125	2	J0582	M317
8▼	S9602F	5		MON	1.65%	.85*	TTL	5	10	0.0	5.0	43n△			225m%	1.0 †	-55	125	2	J0582	M200v
9▼	S9602W	5		MON	1.65%	.85*	TTL	5	10	0.0	5.0	43n△			225m%	1.0 †	-55	125	2	J0582	FP47g
10	9600DM	5		MON	1.7%	.90*	TTL	5		0.0	5.0	80n△			130m%		-55	125	1	J0586	M297d
11	9600FM	5		MON	1.7%	.90*	TTL	5		0.0	5.0	80n△			130m%		-55	125	1	J0586	FP106
12	9601DM	5		MON	1.7%	.90*	TTL	4	12	0.0	5.0	75n△			100m%		-55	125	1	J0438	M297d
13	9601FM	5		MON	1.7%	.90*	TTL	4	12	0.0	5.0	75n△			100m%		-55	125	1	J0438	FP106
14	9602DM	5		MON	1.7%	.90*	TTL	2	16	0.0	5.0	75n△			260m%	400m	-55	125	2	J0582	M224c
15	9602FM	5		MON	1.7%	.90*	TTL	2	16	0.0	5.0	75n△			260m%	400m	-55	125	2	J0582	FP79b
16	AM2600DM	5		MON	1.7%	.90*	TTL	5		0.0	5.0	75n△			130m%		-55	125	1	J0586	M297d
17	AM2600FM	5		MON	1.7%	.90*	TTL	5		0.0	5.0	75n△			130m%		-55	125	1	J0586	FP106
18	AM2602DM	5		MON	1.7%	.90*	TTL	2	16	0.0	5.0	75n△			250m%	1.0	-55	125	2	J0582	M224c
19	AM2602FM	5		MON	1.7%	.90*	TTL	2	16	0.0	5.0	75n△			250m%	1.0	-55	125	2	J0582	FP79b
20	DM9601J	5		MON	1.7%	.90*	TTL	4		0.0	5.0	65n△			125m%		-55	125	1	J0438	M294b
21	DM9601N	5		MON	1.7%	.90*	TTL	4		0.0	5.0	65n△			125m%		-55	125	1	J0438	M344
22	DM9601W	5		MON	1.7%	.90*	TTL	4		0.0	5.0	65n△			125m%		-55	125	1	J0438	FP97a
23	DM9602J	5		MON	1.7%	.90*	TTL	5		0.0	5.0	100n△			225m%		-55	125	2	J0582	M200r
24	DM9602N	5		MON	1.7%	.90*	TTL	5		0.0	5.0	100n△			225m%		-55	125	2	J0582	M345
25	DM9602W	5		MON	1.7%	.90*	TTL	5		0.0	5.0	100n△			225m%		-55	125	2	J0582	FP88a
26	MC9601F	5		MON	1.7	.90	TTL	4	6	0.0	5.0	25n			80m†		-55	125	1	J0581	TO86
27	MC9601L	5		MON	1.7	.90	TTL	4	6	0.0	5.0	25n			80m†		-55	125	1	J0581	TO116
28#	MIC9602-1D	5		MON	1.7%	.90*	TTL	6	4	0.0	5.0	45n			175m		-55	125	2	J0582	M153a
29	RF9601DC	5	10M	MON	1.7%	.90*	TTL	4		0.0	5.0	40n△					-55	125	1	J0438	M105y
30	RF9601K	5	10M	MON	1.7%	.90*	TTL	4		0.0	5.0	40n△					-55	125	1	J0438	FP21g
31	RF9601P	5	10M	MON	1.7%	.90*	TTL	4		0.0	5.0	40n△					-55	125	1	J0438	M105y
32	SW9601-1M	5	20M	MON	1.7%	.90*	TTL	4		0.0	5.0	65n			270m%		-55	125	1		M105n
33	SW9601-1P	5	20M	MON	1.7%	.90*	TTL	4		0.0	5.0	65n			270m%		-55	125	1		M153
34	SW9602-1P	5	20M	MON	1.7%	.90*	TTL	4		0.0	5.0	80n			280m%		-55	125	2	J0582	M153
35	9600DC	5		MON	1.8%	.85*	TTL	5		0.0	5.0	80n△			120m%		0	75	1	J0586	M297d
36	9600PC	5		MON	1.8%	.85*	TTL	5		0.0	5.0	80n△			120m%		0	75	1	J0586	M344a
37	9601DC	5		MON	1.8%	.85*	TTL	4	12	0.0	5.0	75n△			100m%		0	75	1	J0438	M297d
38	9601PC	5		MON	1.8%	.85*	TTL	4	12	0.0	5.0	75n△			100m%		0	75	1	J0438	M344a
39	9602DC	5		MON	1.8%	.85*	TTL	2	16	0.0	5.0	80n△			225m%	400m	0	75	2	J0582	M224c
40	9602FC	5		MON	1.8%	.85*	TTL	6	4	0.0	5.0	45n			175m	400m	0	75	2	J0582	FP47b
41	9602PC	5		MON	1.8%	.85*	TTL	2	16	0.0	5.0	80n△			225m%		0	75	2	J0582	M357
42	AM2600DC	5		MON	1.8%	.85*	TTL	5		0.0	5.0	75n△			120m%		0	75	1	J0586	M297d
43	AM2600PC	5		MON	1.8%	.85*	TTL	5		0.0	5.0	75n△			120m%		0	75	1	J0586	M344a
44	AM2602DC	5		MON	1.8%	.85*	TTL	2	16	0.0	5.0	80n△			225m%	1.0	0	70	2	J0582	M224c
45	AM2602PC	5		MON	1.8%	.85*	TTL	2	16	0.0	5.0	80n△			225m%	1.0	0	70	2	J0582	M357
46	DM8601J	5		MON	1.8%	.85*	TTL	4		0.0	5.0	65n△			125m%		0	75	1	J0438	M294b
47	DM8601N	5		MON	1.8%	.85*	TTL	4		0.0	5.0	65n△			125m%		0	75	1	J0438	M344
48	DM8601W	5		MON	1.8%	.85*	TTL	4		0.0	5.0	65n△			125m%		0	75	1	J0438	FP97a
49	DM8602J	5		MON	1.8%	.85*	TTL	5		0.0	5.0	110n△			250m%		0	75	2	J0582	M200r
50	DM8602N	5		MON	1.8%	.85*	TTL	5		0.0	5.0	110n△			250m%		0	75	2	J0582	M345
51	DM8602W	5		MON	1.8%	.85*	TTL	5		0.0	5.0	110n△			250m%		0	75	2	J0582	FP88a
52	MC8601F	5		MON	1.8	.85	TTL	4	8	0.0	5.0	25n			80m†		0	75	1	J0581	TO86
53	MC8601L,P%	5		MON	1.8	.85	TTL	4	6	0.0	5.0	25n			80m†		0	75	1	J0581	TO116
54#	MIC9602-5D	5		MON	1.8%	.85*	TTL	6	4	0.0	5.0	45n			175m		0	75	2	J0582	M153a
55	RF8601DC	5	10M	MON	1.8%	.85*	TTL	4		0.0	5.0	40n△					0	75	1	J0438	M105y
56	RF8601K	5	10M	MON	1.8%	.85*	TTL	4		0.0	5.0	40n△					0	75	1	J0438	FP21g
57	RF8601P	5	10M	MON	1.8%	.85*	TTL	4		0.0	5.0	40n△					0	75	1	J0438	M105y
58	SW9601-2M	5	20M	MON	1.8%	.85*	TTL	4		0.0	5.0	65n			270m%		0	75	1		M105n
59	SW9601-2P	5	20M	MON	1.8%	.85*	TTL	4		0.0	5.0	65n			270m%		0	75	1		M153
60	SW9602-2P	5	20M	MON	1.8%	.85*	TTL	4		0.0	5.0	80n			280m%		0	75	2	J0582	M153
61	546A	5		PCB	2.0%	.45*	TTL	5	8	0.0	5.0	40n			500m†		0	70	4		CB62
62	96L02DC	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%		0	75	2	J0582	M224c
63	96L02DM	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%		-55	125	2	J0582	M224c
64	96L02FM	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%		-55	125	2	J0582	FP79b
65	96L02PC	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%		0	75	2	J0582	M357
66	AM26L02DC	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%	1.0	0	70	2	J0582	M224c
67	AM26L02DM	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%	1.0	-55	125	2	J0582	M224c
68	AM26L02FM	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%	1.0	-55	125	2	J0582	FP79b
69	AM26L02PC	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%	1.0	0	70	2	J0582	M357
70	5540A	5		PCB	2.0%	.80*	TTL	9	10	0.0	5.0	50n			40m†		0	70	4		CB62
71▼	AM26S02DC	5		MON	2.0%	.80*	TTL	3		0.0	5.0	23n△			375m		0	70	2	J0582	M356
72▼	AM26S02DM	5		MON	2.0%	.80*	TTL	3		0.0	5.0	23n△			375m		-55	125	2	J0582	M356
73▼	AM26S02FM	5		MON	2.0%	.80*	TTL	3		0.0	5.0	23n△			375m		-55	125	2	J0582	FP79b
74▼	AM26S02PC	5		MON	2.0%	.80*	TTL	3		0.0	5.0	23n△			375m		0	70	2	J0582	M357
75	DM7853J	5		MON	2.0%	.80*	TTL	3		0.0	5.0	100n△			360m%		-55	125	2	J0582a	M200r
76	DM7853W	5		MON	2.0%	.80*	TTL	3		0.0	5.0	100n△			360m%		-55	125	2	J0582a	FP88a
77	DM8853J	5		MON	2.0%	.80*	TTL	3		0.0	5.0	110n△			360m%		0	75	2	J0582a	M200r
78	DM8853N	5		MON	2.0%	.80*	TTL	3		0.0	5.0	110n△			360m%		0	75	2	J0582a	M345
79	DM8853W	5		MON	2.0%	.80*	TTL	3		0.0	5.0	110n△			360m%		0	75	2	J0582a	FP88a
80#	FJK101-74121	5		MON	2.0%	.80*	TTL	6	10	0.0	5.0	80n△			90m†	1.0 △	0	70	1	J0588	M126f
81♦#	FLK111-74122	5		MON	2.0%	.80*	TTL	7	20	0.0	5.0	40n△			140m§	1.0 △	0	70	1	J0444	M126p
82♦#	FLK115-84122	5		MON	2.0%	.80*	TTL	7	20	0.0	5.0	40n△			140m§	1.0 △	-25	85	1	J0444	M126p
83♦#	FLK121-74123	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	40n△			330m§	1.0 △	0	70	2	J0445	M117w
84♦#	FLK125-84123	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	40n△			330m§	1.0 △	-25	85	2	J0445	M117w
85	JANM38510/01201BAA	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	FP115
86	JANM38510/01201BAB	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	FP115
87	JANM38510/01201BAC	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	FP115
88	JANM38510/01201BCA	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	M314
89	JANM38510/01201BCB	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	M314
90	JANM38510/01201BCC	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	M314
91▼	JANM38510/01201BDB	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	FP116
92	JANM38510/01201CAA	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	FP115
93	JANM38510/01201CAB	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	FP115
94	JANM38510/01201CAC	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	FP115
95	JANM38510/01201CCA	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	M314
96	JANM38510/01201CCB	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	M314
97	JANM38510/01201CCC	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	M314

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. TIME DELAY

IN ORDER OF (1)TIME DELAY(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TIME DELAY TYPE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MIN. DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	JANM38510/01201CDB	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	FP116
2▼	JANM38510/01202BCA	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	M314
3▼	JANM38510/01202BCB	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	M314
4▼	JANM38510/01202CCA	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	M314
5▼	JANM38510/01202CCB	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n☑		220m		-55	125	1	J0588	M314
6▼	JANM38510/01203BEA	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n☑		380m		-55	125	2	J0445	M323
7▼	JANM38510/01203BEB	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n☑		380m		-55	125	2	J0445	M323
8▼	JANM38510/01203BEC	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n☑		380m		-55	125	2	J0445	M323
9	JANM38510/01203BFB	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n☑		380m		-55	125	2	J0445	FP117
10	JANM38510/01203BFC	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n☑		380m		-55	125	2	J0445	FP117
11▼	JANM38510/01203CEA	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n☑		380m		-55	125	2	J0445	M323
12▼	JANM38510/01203CEB	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n☑		380m		-55	125	2	J0445	M323
13▼	JANM38510/01203CEC	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n☑		380m		-55	125	2	J0445	M323
14	JANM38510/01203CFB	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n☑		380m		-55	125	2	J0445	FP117
15	JANM38510/01203CFC	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n☑		380m		-55	125	2	J0445	FP117
16#	MIC54121J	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15n			90m†	500m	-55	125	1	J0583	TO116
17▼#	MIC54124J	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ			150m†		-55	125	1	C0117	TO116
18#	MIC64121J	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15n			90m†	500m	-40	85	1	J0583	TO116
19#	MIC74121J	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15n			90m†	500m	0	75	1	J0583	TO116
20♦#	MIC74121N	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15n			90m†	500m	0	75	1	J0583	M126x
21▼#	MIC74124J	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ			150m†		0	75	1	C0117	TO116
22▼#	MIC74124N	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ			150m†		0	75	1	C0117	M126x
23♦	N74122A	5		MON	2.0%	.80*	TTL	7	20	0.0	5.0	40nΔ			140m§		0	70	1	J0591	M318
24♦	N74122F	5		MON	2.0%	.80*	TTL	7	20	0.0	5.0	40nΔ			140m§		0	70	1	J0591	M257f
25♦	N74123B	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40nΔ			330m§		0	70	2	J0448	M317
26▼	N74123F	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40nΔ			330m§		0	70	2	J0448	M200v
27	S54122A	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40nΔ			140m%		-55	125	1	J0444	TO116
28	S54122F	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40nΔ			140m%		-55	125	1	J0444	M157
29♦	S54123B	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40nΔ			330m§		-55	125	2	J0448	M317
30	S54123E	5		MON	2.0%	.80*	TTL	5	20	0.0	5.0	40nΔ			330m%		-55	125	2	J0445	M153a
31▼	S54123F	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40nΔ			330m§		-55	125	2	J0448	M200v
32▼	S54123W	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40nΔ			330m§		-55	125	2	J0448	FP47g
33	SN54L122J	5		MON	2.0%	.80*	TTL	4	40	0.0	5.0	40nt			60mt	1.0 Δ	-55	125	1	J0444	M157b
34	SN54L122T	5		MON	2.0%	.80*	TTL	4	40	0.0	5.0	40nt			60mt	1.0 Δ	-55	125	1	J0444	FP52e
35▼	SN54L123J	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	80nΔ			165m%	1.0 *	-55	125	1	J05108	M153d
36	SN54LS122J	5		MON	2.0%	.80*	TTL	5	5	0.0	5.0	68nΔ			55m%	300m	-55	125	1	J0444	M157b
37	SN54LS122W	5		MON	2.0%	.80*	TTL	5	5	0.0	5.0	68nΔ			55m%	300m	-55	125	1	J0444	Δ004AA
38	SN54LS123J	5		MON	2.0%	.80*	TTL	5	5	0.0	5.0	68nΔ			100m%	300m	-55	125	2	J0445	M153d
39	SN54LS123W	5		MON	2.0%	.80*	TTL	5	5	0.0	5.0	68nΔ			100m%	300m	-55	125	2	J0445	Δ004AG
40	SN74L122J	5		MON	2.0%	.80*	TTL	4	40	0.0	5.0	40nt			60mt	1.0 Δ	0	70	1	J0444	M157b
41	SN74L122N	5		MON	2.0%	.80*	TTL	4	40	0.0	5.0	40nt			60mt	1.0 Δ	0	70	1	J0444	M126e
42	SN74LS122J	5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	68nΔ			55m%	400m	-55	125	1	J0444	M157b
43	SN74LS122N	5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	68nΔ			55m%	400m	-55	125	1	J0444	M126e
44	SN74LS123J	5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	68nΔ			100m%	400m	-55	125	2	J0445	M153d
45	SN74LS123N	5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	68nΔ			100m%	400m	-55	125		J0445	M117x
46	T9600F	5		MON	2.0%	.80*	TTL	9	16	0.0	5.0	120nΔ	3.0u☑		125m§		0	75	1	J0586	TO86
47	T9600FM	5		MON	2.0%	.80*	TTL	9	16	0.0	5.0	100nΔ	3.0u☑		125m§		-55	125	1	J0586	TO86
48	T9600J	5		MON	2.0%	.80*	TTL	9	16	0.0	5.0	120nΔ	3.0u☑		125m§		0	75	1	J0586	M157c
49	T9600JM	5		MON	2.0%	.80*	TTL	9	16	0.0	5.0	100nΔ	3.0u☑		125m§		-55	125	1	J0586	M157c
50	T9601F	5		MON	2.0%	.80*	TTL	6	16	0.0	5.0	65nΔ	3.0u☑		125m§		0	75	1	J0590	TO86
51	T9601FM	5		MON	2.0%	.80*	TTL	6	16	0.0	5.0	65nΔ	3.0u☑		125m§		-55	125	1	J0590	TO86
52	T9601J	5		MON	2.0%	.80*	TTL	6	16	0.0	5.0	65nΔ	3.0u☑		125m§		0	75	1	J0590	M157c
53	T9601JM	5		MON	2.0%	.80*	TTL	6	16	0.0	5.0	65nΔ	3.0u☑		125m§		-55	125	1	J0590	M157c
54	US54121A	5		MON	2.0%	.80*	TTL	6	20	0.0	5.0	15n	14nt	7.0nt			-55	125	1	J0438a	
55	US54121J	5		MON	2.0%	.80*	TTL	6	20	0.0	5.0	15n	14nt	7.0nt			-55	125	1	J0438a	
56	US74121A	5		MON	2.0%	.80*	TTL	6	20	0.0	5.0	15n	14nt	7.0nt			0	70	1	J0438a	
57	US74121J	5		MON	2.0%	.80*	TTL	6	20	0.0	5.0	15n	14nt	7.0nt			0	70	1	J0438a	
58#	T74121B1	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			200m§	1.0 Δ	0	70	1	J0580	M126s
59#	T74121D1	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			200m§	1.0 Δ	0	70	1	J0580	M294d
60#	T74121D2	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			200m§	1.0 Δ	-55	125	1	J0580	M294d
61#	T74122B1	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			90m	1.0 Δ	0	70	1	J0580	M126s
62#	T74122D1	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			90m	1.0 Δ	0	70	1	J0580	M294d
63#	T74122D2	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			90m	1.0 Δ	-55	125	1	J0580	M294d
64#	T74123B1	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			90m	1.0 Δ	0	70	1	J0580	M126s
65#	T74123D1	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			90m	1.0 Δ	0	70	1	J0580	M294d
66#	T74123D2	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			90m	1.0 Δ	-55	125	1	J0580	M294d
67♦#	FLK101-74121	5		MON	2.4%	.40†*	TTL	6	10	0.0	5.0	80nΔ			200m§	1.2 Δ	0	70	1	J0584	M126p
68♦#	FLK105-84121	5		MON	2.4%	.40†*	TTL	6	10	0.0	5.0	80nΔ			200m§	1.2 Δ	-25	85	1	J0584	M126p
69	MC9602F	5		MON	2.4%	.40†*	TTL	3	8	0.0	5.0	25n%			160mt		-55	125	2	J0582	FP85
70	MC9602L	5		MON	2.4%	.40*†	TTL	3	6	0.0	5.0	25n%			160mt		-55	125	2	J0582	M191
71	MC9603F	5		MON	2.4%	.40†*	TTL		10	0.0	5.0				90mt		-55	125	1		TO86
72	MC9603L	5		MON	2.4%	.40†*	TTL		10	0.0	5.0				90mt		-55	125	1		TO116
73	MC54121F	5		MON	2.4%	.40†*	TTL	3		0.0	5.0	80nΔ			90mt		-55	125	1	J0585	TO86
74	MC54121L	5		MON	2.4%	.40*†	TTL	3		0.0	5.0	80nΔ			90mt		-55	125	1	J0585	TO116
75	MC74121F	5		MON	2.4%	.40*†	TTL	3		0.0	5.0	80nΔ			90mt		0	75	1	J0585	TO86
76	MC74121L,P%	5		MON	2.4%	.40*†	TTL	3		0.0	5.0	80nΔ			90mt		0	75	1	J0585	TO116
77	N8T22A	5		MON	2.4%	.40†*	TTL	4	8	0.0	5.0	40nΔ			132m		0	75	1	J0590	TO116
78	N8T22F	5		MON	2.4%	.40†*	TTL	4	8	0.0	5.0	40nΔ			132m		0	75	1	J0590	M157
79♦	N74121A	5		MON	2.4%	.40*†	TTL	3	10	0.0	5.0	80nΔ			200m§		0	70	1	J0583	M318
80▼	N74121F	5		MON	2.4%	.40*†	TTL	3	10	0.0	5.0	80nΔ			200m§		0	70	1	J0583	M257f
81▼	N74121W	5		MON	2.4%	.40†*	TTL	3	10	0.0	5.0	80nΔ			200m§		0	70	1	J0583	FP39e
82♦	S54121A	5		MON	2.4%	.40*†	TTL	3	10	0.0	5.0	80nΔ			200m§		-55	125	1	J0583	M318
83♦	S54121F	5		MON	2.4%	.40*†	TTL	3	10	0.0	5.0	80nΔ			200m§		-55	125	1	J0583	M257f
84	S54121Q	5		MON	2.4%	.40†*	TTL	3	10	0.0	5.0	80nΔ					-55	125	1	J0580	TO88
85▼	S54121W	5		MON	2.4%	.40*†	TTL	3	10	0.0	5.0	80nΔ			200m§		-55	125	1	J0583	FP39e
86	S54122Q	5		MON	2.4%	.40†*	TTL	4	20	0.0	5.0	40nΔ					-55	125	1	J0591	TO88
87	M302	5	10M	PCB	2.4	.40	TTL	3	10	0	5.0	50n	20n	20n	650m	1.0	0	70	2		
88	HEPC3803P-RT	5		MON	2.4%	.45*†	TTL	4	8	0.0	5.0	25n%			80mt		0	75	1	J0581	TO116
89	MC8602F	5		MON	2.4%	.45†*	TTL	3	8	0.0	5.0	25n%			160mt		0	75	2	J0582	FP85
90	MC8602L	5		MON	2.4%	.45*†	TTL	3	8	0.0	5.0	25n%			160mt		0	75	2	J0582	M191
91	MC8602P	5		MON	2.4%	.45*†	TTL	3	8	0.0	5.0	25n%			160mt		0	75	2	J0582	M278
92	MC8603F	5		MON	2.4%	.45†*	TTL		10	0.0	5.0				90mt		0	75	1		TO86
93	MC8603L,P%	5		MON	2.4%	.45†*	TTL		10	0.0	5.0				90mt		0	75	1		TO116
94	HEPC3804P-RT	5		MON	2.5%	.40*†	TTL	1	7	0.0	5.0				150mt		0	75	2	E0342	TO116
95	N8T20B	5	8.0M	MON	2.6%	.40†*	TTL	6	10	5.0	5.0	50nΔ			395m		0	75	1	J0589	M317

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. TIME DELAY

IN ORDER OF (1)TIME DELAY(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TIME DELAY TYPE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MIN. DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	N8T20F	5	8.0M	MON	2.6%	.40*†	TTL	6	10	5.0	5.0	50nΔ			395m		0	75	1	J0589	M200v
2	S8T20B	5	8.0M	MON	2.6%	.40†*	TTL	6	10	5.0	5.0	50nΔ			395m		-55	125	1	J0589	M317
3	S8T20F	5	8.0M	MON	2.6%	.40*†	TTL	6	10	5.0	5.0	50nΔ			395m		-55	125	1	J0589	M200v
4♦	NE556A	5		MON	2.75%	.35*†	TTL	4		0.0	5.0		100nt	100nt	600m		0	70	2	J0598a	M318
5♦	SE556A	5		MON	3.0%	.25*†	TTL	4		0.0	5.0		100nt	100nt	600m		-55	125	2	J0598a	M318
6♦	SE556CA	5		MON	3.0%	.25*†	TTL	4		0.0	5.0		100nt	100nt	600m		-55	125	2	J0598a	M318
7#	TL74121N	5		MON	3.3	.22†	TTL	6	10	0.0	5.0	50n			170mt		0	70	1	J0588	M126n
8	DM54121J	5		MON	3.3	.23†	TTL	3	10	0.0	5.0	50nΔ			90mt	1.2 †	-55	125	1	J0588	M294b
9	DM54121N	5		MON	3.3	.23†	TTL	3	10	0.0	5.0	50nΔ			90mt	1.2 †	-55	125	1	J0588	M344
10	DM54121W	5		MON	3.3	.23†	TTL	3	10	0.0	5.0	50nΔ			90mt	1.2 †	-55	125	1	J0588	FP97a
11	DM74121J	5		MON	3.3	.23†	TTL	3	10	0.0	5.0	50nΔ			90mt	1.2 †	0	70	1	J0588	M294b
12	DM74121N	5		MON	3.3	.23†	TTL	3	10	0.0	5.0	50nΔ			90mt	1.2 †	0	70	1	J0588	M344
13♦	N8162A	5		MON	3.4%	.40†*	TTL	7	12	0	5.0	52n%Δ		50n	100m	1.4	0	75	1	J0571	TO116
14♦	N8162F	5		MON	3.4%	.40†*	TTL	7	12	0.0	5.0	52n%Δ		50n	100m	1.4	0	75	1	J0571	M157
15♦	N8162J	5		MON	3.4%	.40†*	TTL	7	12	0	5.0	52n%Δ		50n	100m	1.4	0	75	1	J0571	TO88
16♦	S8162A	5		MON	3.4%	.40†*	TTL	7	12	0	5.0	52n%Δ		50n	100m	1.4	-55	125	1	J0571	TO116
17♦	S8162F	5		MON	3.4%	.40†*	TTL	7	12	0.0	5.0	52n%Δ		50n	100m	1.4	-55	125	1	J0571	M157
18♦	S8162J	5		MON	3.4%	.40†*	TTL	7	12	0	5.0	52n%Δ		50n	100m	1.4	-55	125	1	J0571	TO88
19♦#	ZN2010E	5			3.5	.20	TTL		10	0.0	5.25						-55	125			M☑
20♦#	ZN2010F	5			3.5	.20	TTL		10	0.0	5.25						-65	125			FP☑
21♦	SN54LS221W	5		MON	3.5	.25†	TTL	3	10	0.0	5.0	50nΔ	40n☑		23mt	1.2 Δ	-55	125	2	J05101	△004AG
22	T301	5		PCB	5.0	0.0	TTL	4	8	4.8	5.2	25n			500m	1.0	0	70	4		CB☑
23	T302	5		PCB	5.0	0.0	TTL	4	8	4.8	5.2	25n			500m	1.0	0	70	4		CB☑
24	540AT	5	20M	PCB	5.5	0	TTL	1	30	0	5.0	60n					0	70	2		
25♦	MC3456L#2	5	100k%	MON	12%	2.7*†	TTL			0.0	15		100nt	100nt	1.0		0	70		C0326	TO116
26♦	MC3456P#2	5	100k%	MON	12%	2.7*†	TTL			0.0	15		100nt	100nt	625m		0	70		C0326	M157d
27	MC1455G	5		MON	12.5	2.5†	TTL	3		0.0	15		100nt	100nt	680mt		0	70	1	J0599	TO99
28	MC1455P1	5		MON	12.5	2.5†	TTL	3		0.0	15		100nt	100nt	625mt		0	70	1	J0599	M293
29	MC1555G	5		MON	12.5	2.5†	TTL	3		0.0	15		100nt	100nt	680mt		-55	125	1	J0599	TO99
30▼	XR555CN#2	5		MON	12.7%	.25*†	TTL	5		0.0	15		100nt	100nt	385m		0	75	1	J0598	M239f
31▼	XR555CP#2	5		MON	12.7%	.25*†	TTL	5		0.0	15		100nt	100nt	300m		0	75	1	J0598	M239f
32▼	XR555M#2	5		MON	13%	.15*†	TTL	5		0.0	15		100nt	100nt	385m		-55	125	1	J0598	M239f
33♦	MC3556L#2	5	100k%	MON	13%	2.2*†	TTL			0.0	15		100nt	100nt	1.0		-55	125		C0326	TO116
34	540A	5F	5.0M	PCB	5.0	.45	DTL	4	12	0	5.0	75n					0	70	2	J0572	CB55
35	R302	5F	2.0M	PCB	0.0	-3.0	RCT	2	18	15	10	400n	25n	25n	1.3	800m	-20	65	2	J0533	CB31
36	MM54C221D	5F,S		MOS	3.5%	1.5*	CMS	3		0.0	5.0	250n%			500m	450mΔ	-55	125	2	J05105	M346a
37	MM74C221N	5F,S		MOS	3.5%	1.5*	CMS	3		0.0	5.0	250n%			500m	450mΔ	0	70	2	J05105	M345
38▼#	GFB74121	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0				90mt	400m	0	70	1	J0580	TO116
39#	M53321P	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	7.0	30n			115mt	1.0 Δ	0	75	1	J0580	M105j
40	NC74121N	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	0	70	1		TO116
41	SN54121J	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	-55	125	1		M157b
42	SN54121N	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	-55	125	1		M126
43	SN54121W	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	-55	125	1		△004AA
44	SN74121J	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	0	70	1		M157b
45	SN74121N	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	0	70	1		M126e
46	SN74121W	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	0	70	1		TO84
47	SW74121J	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.25	30n			200mt	1.0	0	70	1	J0592	M114
48#	ZN54121E	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	-55	125	1		TO116
49#	ZN54121J	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	-55	125	1		M257e
50#	ZN74121E	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	0	70	1		TO116
51#	ZN74121J	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	0	70	1		M257e
52	SN54221J	5F,S		MON	3.4	.20†	TTL	3	10	0.0	5.0	50nΔ	20n☑		400m§	1.2 Δ	-55	125	2	J05101	M153d
53	SN54221W	5F,S		MON	3.4	.20†	TTL	3	10	0.0	5.0	50nΔ	20n☑		400m§	1.2 Δ	-55	125	2	J05101	△004AG
54	SN74221J	5F,S		MON	3.4	.20†	TTL	3	10	0.0	5.0	50nΔ	20n☑		400m§	1.2 Δ	0	70	2	J05101	M153d
55	SN74221N	5F,S		MON	3.4	.20†	TTL	3	10	0.0	5.0	50nΔ	20n☑		400m§	1.2 Δ	0	70	2	J05101	M117x
56	SN54LS221J	5F,S		MON	3.5	.25†	TTL	3	10	0.0	5.0	50nΔ	40n☑		23mt	1.2 Δ	-55	125	2	J05101	M153d
57	SN74LS221J	5F,S		MON	3.5	.25†	TTL	3	10	0.0	5.0	50nΔ	40n☑		23mt	1.2 Δ	0	70	2	J05101	M153d
58	SN74LS221N	5F,S		MON	3.5	.25†	TTL	3	10	0.0	5.0	50nΔ	40n☑		23mt	1.2 Δ	0	70	2	J05101	M117x
59#	SFC4121E	5FS		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	0	70	1		TO116
60#	SFC4121EM	5FS		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	-55	125	1		TO116
61#	SFC4121ET	5FS		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	-25	85	1		TO116
62#	SFC4121PM	5FS		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115mt	1.0 Δ	-55	125	1		TO85
63	SW74121N	5FS		MON	2.0%	.80*	TTL	3	10	0.0	5.25	30n			200mt	1.0	0	70	1	J0592	M105n
64	TRW74121	5FS		MON	2.0%	.80	TTL	3	10	0.0	5.0	30n			200mt	1.0	0	70		J0592	
65	B301	5G	6.5M	PCB	0.0	-3.0	RCT	2Δ	14	15	10	50n	10n	60n	1.7	800m	-20	85	1	J0529a	CB31
66#	FCK111	5S		MON	2.2%	1.0*	DTL	2	14	0.0	6.0	200nΔ			98mt		0	75	1	J0587	M126f
67	MC14415EVL	6	1.0MΔ	MOS	3.0%	.01*†	CMS	4		0.0	5.0	1.2uΔ	85n	150n	250u%	2.2 Δ	-55	125	4	J061	M200w
68	MC14415VL	6	1.0MΔ	MOS	3.0%	.01*†	CMS	4		0.0	5.0	1.2uΔ	85n	150n	250u%	2.2 Δ	-40	85	4	J061	M200w
69	MC14415VP	6	1.0MΔ	MOS	3.0%	.01*†	CMS	4		0.0	5.0	1.2uΔ	85n	150n	250u%	2.2 Δ	-40	85	4	J061	M117y
70	MC14415EFL	6	1.0MΔ	MOS	8.0%	.01*†	CMS	4		0.0	10	600nΔ	60n	80n	1.0m%	4.5 Δ	-55	125	4	J061	M200w
71	MC14415FL	6	1.0MΔ	MOS	8.0%	.01*†	CMS	4		0.0	10	600nΔ	60n	80n	1.0m%	4.5 Δ	-40	85	4	J061	M200w
72	MC14415FP	6	1.0MΔ	MOS	8.0%	.01*†	CMS	4		0.0	10	600nΔ	60n	80n	1.0m%	4.5 Δ	-40	85	4	J061	M117y
73	MC14541AL	6	4.0MΔ	MOS	9.99%	.01*†	CMS			0.0	10	1.2u$	35nt	35nt	100u%	4.5 Δ	-55	125	1	J062	TO116
74	MC14541CL	6	4.0MΔ	MOS	9.99%	.01*†	CMS			0.0	10	1.2u$	35nt	35nt	1.0m%	4.5 Δ	-40	85	1	J062	TO116
75	MC14541CP	6	4.0MΔ	MOS	9.99%	.01*†	CMS			0.0	10	1.2u$	35nt	35nt	1.0m%	4.5 Δ	-40	85	1	J062	M157d
76	CM4045AD	6		MOS	10	0.0†	CMS			0.0	10		10u	10u	250u%	4.5 Δ	-55	125	1	J063	M☑
77	CM4045AE	6		MOS	10	0.0†	CMS			0.0	10		10u	10u	1.0m%	4.5 Δ	-40	85	1	J063	M☑
78	CD4045AD	6	10M%	MOS	10	0.0†	CMS			0.0	10		10u	10u	250u%	4.5 Δ	-55	125	1	J063	△001AE
79	CD4045AE	6	10M%	MOS	10	0.0†	CMS			0.0	10		10u	10u	1.0m%	4.5 Δ	-40	85	1	J063	△001AC
80	CD4045AK	6	10M%	MOS	10	0.0†	CMS			0.0	10		10u	10u	250u%	4.5 Δ	-55	125	1	J063	△004AG
81♦	XR556CN#1	6		MON	12.7%	.25*†	TTL			5.0	15		100nt	100nt	750m		0	75	2	C0120	M294e
82♦	XR556CP#1	6		MON	12.7%	.25*†	TTL			5.0	15		100nt	100nt	625m		0	75	2	C0120	M294e
83▼	XR2556CN#1	6		MON	12.7%	.25*†	TTL			0.0	15		100nt	100nt	750m		0	75	2	C0125	M294e
84▼	XR2556CP#1	6		MON	12.7%	.25*†	TTL			0.0	15		100nt	100nt	625m		0	75	2	C0125	M294e
85▼	XR556M#1	6		MON	13%	.15*†	TTL			0.0	15		100nt	100nt	725m		-55	125	2	C0120	M294e
86▼	XR2556M#1	6		MON	13%	.15*†	TTL			0.0	15		100nt	100nt	750m		-55	125	2	C0125	M294e
87▼	XR2250CN#1	6U		MON			TTL			0.0	15				750m		0	75	1	C0124	M200u
88▼	XR2250CP#1	6U		MON			TTL			0.0	15				625m		0	75	1	C0124	M200u
89▼	XR2250M#1	6U		MON			TTL			0.0	15				750m		-55	125	1	C0124	M200u
90▼	XR2250N#1	6U		MON			TTL			0.0	15				750m		0	75	1	C0124	M200u
91▼	XR2250P#1	6U		MON			TTL			0.0	15				625m		0	75	1	C0124	M200u
92♦	XR2240CN#1	6U	1.5M%	MON			TTL			0.0	15				750m		0	75	1	C0119	M200u
93♦	XR2240CP#1	6U	1.5M%	MON			TTL			0.0	15				625m		0	75	1	C0119	M200u
94▼	XR2240M#1	6U	1.5M%	MON			TTL			0.0	15		180nt	180nt	750m		-55	125	1	C0119	M200u
95♦	XR2240N#1	6U	1.5M%	MON			TTL			0.0	15				750m		0	75	1	C0119	M200u
96♦	XR2240P#1	6U	1.5M%	MON			TTL			0.0	15				625m		0	75	1	C0119	M200u

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	4129QZ10	1		3DM			15	15	1.9	0	70			Buffered 12 Bit ADC;Acc ±1/2 LSB max.
2▼	4129QZ	1		3DM			15	15	1.9	0	70			12 Bit ADC;Acc ±1/2 LSB max.
3▼	ADC12QZ003	1		3DM			15	15	1.8 †	0	70	K0134	M364d	12 Bit;w/o Input Buff;Conv Time 40us max.
4▼	ADC12QZ013	1		3DM			15	15	1.8 †	-55	125	K0134	M364d	12 Bit;w/o Input Buff;Conv Time 40us max.
5▼	ADC12QZ023	1		3DM			15	15	1.8 †	0	70	K0134	M364d	12 Bit;with Input Buff;Conv Time 40us max
6▼	ADC12QZ033	1		3DM			15	15	1.8 †	-55	125	K0134	M364d	12 Bit;with Input Buff;Conv Time 40us max
7	ADC100-BCD	1		3DM			15	15	2.2 †	-25	85	K0124	M302b	Conversion Speed 30ms max.
8	ADC100-SMD	1		3DM			15	15	2.2 †	-25	85	K0124	M302b	Conversion Speed 30ms max.
9	ADC100BOB	1		3DM			15	15	2.1 †	-25	85	K0124	M302b	16 Bit;Conversion time 200mS max.
10	ADC100USB	1		3DM			15	15	2.1 †	-25	85	K0124	M302b	16 Bit;Conversion time 200mS max.
11♦	ADC535-3BCD	1		3DM			15	15	1.2 †	0	70	K0141	M383	Unipolar;Total Conv.Time 35mSec.
12♦	ADC535-3BCD-BP	1		3DM			15	15	1.4 †	0	70	K0140	M302f	Bipolar;Total Conv.Time 35mSec.
13♦	ADC535-12A-E	1		3DM			15	15	1.2 †	0	70	K0141	M383	Unipolar;Total Conv.Time 35mSec.
14	ADC550-10E	1		3DM			15	15	450m%	0	70	K0142	M302g	Acc ±0.05%;Tempco 50ppm/°C.
15	ADC550-10LD	1		3DM			15	15	450m%	0	70	K0142	M302g	Acc ±0.05%;Tempco 15ppm/°C.
16	ADC550-10S	1		3DM			15	15	450m%	0	70	K0142	M302g	Acc ±0.05%;Tempco 30ppm/°C.
17	ADC550-12E	1		3DM			15	15	450m%	0	70	K0142	M302g	Acc ±0.0125%;Tempco 50ppm/°C.
18	ADC550-12LD	1		3DM			15	15	450m%	0	70	K0142	M302g	Acc ±0.0125%;Tempco 15ppm/°C.
19	ADC550-12S	1		3DM			15	15	450m%	0	70	K0142	M302g	Acc ±0.0125%;Tempco 30ppm/°C.
20▼	ADC560-3BCD-E	1		3DM			15	15	1.9 †	0	70	K0194	M533	12 Bit;Conv Time 20us;TC 50ppm/°C.
21▼	ADC560-3BCD-LD	1		3DM			15	15	1.9 †	0	70	K0194	M533	12 Bit;Conv Time 20us;TC 15ppm/°C.
22▼	ADC560-12AE	1		3DM			15	15	1.9 †	0	70	K0194	M533	12 Bit;Conv Time 20us;TC 50ppm/°C.
23▼	ADC560-12ALD	1		3DM			15	15	1.9 †	0	70	K0194	M533	12 Bit;Conv Time 20us;TC 15ppm/°C.
24▼	ADC560-12BE	1		3DM			15	15	1.9 †	0	70	K0194	M533	12 Bit;Conv Time 20us;TC 50ppm/°C.
25▼	ADC560-12BLD	1		3DM			15	15	1.9 †	0	70	K0194	M533	12 Bit;Conv Time 20us;TC 15ppm/°C.
26▼	ADC560-12CE	1		3DM			15	15	1.9 †	0	70	K0194	M533	12 Bit;Conv Time 20us;TC 50ppm/°C.
27▼	ADC560-12CLD	1		3DM			15	15	1.9 †	0	70	K0194	M533	12 Bit;Conv Time 20us;TC 15ppm/°C.
28	ADC1102	1		3DM			15	15		0	70	K0176	M364e	12 Bit ADC;Conversion Time 8us.
29	ADC1105J	1		MON			15	15	1.8 §	0	50	K0150	M302n	Dual;TC ±10ppm/°C max.
30	ADC1105K	1		MON			15	15	1.8 §	0	50	K0150	M302n	Dual;TC ±5ppm/°C max.
31	ADC1109	1		3DM			15	15		0	70	K0177	M481	10 Bit ADC;Conversion Time 4us.
32	ADC-H8BCD1	1		MON			15	5.0	2.6 †	-55	125			8-Bit;Lin.Error ±1/2LSB;TC 5ppm/°C.
33	ADC-H8BCD3	1		MON			15	5.0	2.6 †	0	70			8-Bit;Lin.Error ±1/2LSB;TC 5ppm/°C.
34	ADC-H8BIN1	1		MON			15	5.0	2.6 †	-55	125			8-Bit;Lin.Error ±1/2LSB;TC 5ppm/°C.
35	ADC-H8BIN3	1		MON			15	5.0	2.6 †	0	70			8-Bit;Lin.Error ±1/2LSB;TC 5ppm/°C.
36	ADC-H10BCD1	1		MON			15	5.0	2.6 †	-55	125			10-Bit;Lin.Error ±1/2LSB;TC 5ppm/°C.
37	ADC-H10BCD3	1		MON			15	5.0	2.6 †	0	70			10-Bit;Lin.Error ±1/2LSB;TC 5ppm/°C.
38	ADC-H10BIN1	1		MON			15	5.0	2.6 †	-55	125			10-Bit;Lin.Error ±1/2LSB;TC 5ppm/°C.
39	ADC-H10BIN3	1		MON			15	5.0	2.6 †	0	70			10-Bit;Lin.Error ±1/2LSB;TC 5ppm/°C.
40	ADC-H12BCD1	1		MON			15	5.0	2.6 †	-55	125			12-Bit;Lin.Error ±1/2LSB;TC 5ppm/°C.
41	ADC-H12BCD3	1		MON			15	5.0	2.6 †	0	70			12-Bit;Lin.Error ±1/2LSB;TC 5ppm/°C.
42	ADC-H12BIN1	1		MON			15	5.0	2.6 †	-55	125			12-Bit;Lin.Error ±1/2LSB;TC 5ppm/°C.
43	ADC-H12BIN3	1		MON			15	5.0	2.6 †	0	70			12-Bit;Lin.Error ±1/2LSB;TC 5ppm/°C.
44	ADCER8B	1		3DM			0.0	5.0	1.2	0	70		M493	8 Bit Bin ADC;Conv Time 76.7ms.
45	ADCER8D	1		3DM			0.0	5.0	1.2	0	70		M493	2-1/2 Digit BCD ADC;Conv Time 43.3ms.
46	ADCER10B	1		3DM			0.0	5.0	1.2	0	70		M493	10 Bit Bin ADC;Conv Time 76.6ms.
47	ADCER12B	1		3DM			0.0	5.0	1.2	0	70		M493	12 Bit Bin ADC;Conv Time 76.7ms.
48	ADCER12D	1		3DM			0.0	5.0	1.2	0	70		M493	3-1/2 Digit BCD ADC;Conv Time 43.3ms.
49	ADH8-1	1		PCB			15	5.0		-55	85		CB64	Acc ±0.2;Reg ±3%.
50	ADH9-1	1		PCB			15	5.0		-55	85		CB64	Acc ±0.1;Reg ±5%.
51	ADH10-1	1		PCB			15	5.0		-55	85		CB64	Acc ±0.05;Reg ±5%.
52	ERDC-H1	1		3DM			15	15	3.8 †	-55	85			Resolver to Dig.Conv;Vi 90Vrms at 400Hz.
53	ERDC-H3	1		3DM			15	15	3.8 †	0	70			Resolver to Dig Conv;Vi 90Vrms at 400Hz.
54	ERDC-L1	1		3DM			15	15	3.8 †	-55	85			Resolver to Dig Conv;Vi 11.8Vrms at 400Hz
55	ERDC-L3	1		3DM			15	15	3.8 †	0	70			Resolver to Dig.Conv;Vi 11.8Vrms at 400Hz.
56	ESDC6-1	1		3DM			15	15	3.8 †	-55	85		M335	Synchro to Dig.Conv;Vi 90Vrms at 50-400Hz
57	ESDC6-3	1		3DM			15	15	3.8 †	0	70		M335	Synchro to Dig.Conv;Vi 90Vrms at 50-400Hz
58	ESDC-H1	1		3DM			15	15	3.8 †	-55	85		M334	Synchro to Dig.Conv;Vi 90Vrms at 400Hz.
59	ESDC-H3	1		3DM			15	15	3.8 †	0	70		M334	Synchro to Dig.Conv;Vi 90Vrms at 400Hz.
60	ESDC-L1	1		3DM			15	15	3.8 †	-55	85		M334	Synchro to Dig.Conv;Vi11.8Vrms at 400Hz.
61	ESDC-L3	1		3DM			15	15	3.8 †	0	70		M334	Synchro to Dig.Conv;Vi11.8Vrms at 400Hz.
62▼	MN5250	1		TFH			12	12	56mt	0	70		M526a	12 Bit;Vin 0 to -10V;Lin ±1/2 LSB max.
63▼	MN5250H	1		TFH			12	12	56mt	-55	125		M526a	12 Bit;Vin 0 to -10V;Lin ±1/2 LSB max
64	PD850-3BCD	1		3DM			15	15	600m%	0	70	K0149	M302m	Peak Detecting;Acc. vs Temp 30ppm/°C.
65	PD850-12	1		3DM			15	15	600m%	0	70	K0149	M302m	Peak Detecting;Acc. vs Temp 30ppm/°C.
66▼	PD855-3BCD	1		3DM			15	15		0	70	K0195	M538	3 Decade BCD;Acq Time 250us.
67▼	PD855-12	1		3DM			15	15		0	70	K0195	M538	12 Bits Bin;Acq Time 1.0ms.
68	RDC500H1	1		MON			0.0	15	675mt	-55	105			Resolver-to-Dig;90V,400Hz,Ref 115Vrms.
69	RDC500H3	1		MON			0.0	15	675mt	0	70			Resolver-to-Dig;90V,400Hz,Ref 115Vrms.
70	RDC500L1	1		MON			0.0	15	675mt	-55	105			Resolver-to-Dig;11.8V,400Hz,Ref 26Vrms.
71	RDC500L3	1		MON			0.0	15	675mt	0	70			Resolver-to-Dig;11.8V,400Hz,Ref 26Vrms.
72	RDC500M1	1		MON			0.0	15	675mt	-55	105			Resolver-to-Dig;2.6V,400Hz,Ref 26Vrms.
73	RDC500M3	1		MON			0.0	15	675mt	0	70			Resolver-to-Dig;2.6V,400Hz,Ref 26Vrms.
74	RDC510H1	1		MON			0.0	15	2.3 †	-55	105		M407a	Resolver-to-BCD;90V,400Hz,Ref 115Vrms.
75	RDC510H3	1		MON			0.0	15	2.3 †	0	70		M407a	Resolver-to-BCD;90V,400Hz,Ref 115Vrms.
76	RDC510L1	1		MON			0.0	15	2.3 †	-55	105		M407a	Resolver-to-BCD;11.8V,400Hz,Ref 26Vrms.
77	RDC510L3	1		MON			0.0	15	2.3 †	0	70		M407a	Resolver-to-BCD;11.8V,400Hz,Ref 26Vrms.
78	RDC510M1	1		MON			0.0	15	2.3 †	-55	105		M407a	Resolver-to-BCD;2.6V,400Hz,Ref 26Vrms.
79	RDC510M3	1		MON			0.0	15	2.3 †	0	70		M407a	Resolver-to-BCD;2.6V,400Hz,Ref 26Vrms.
80	RDC511H1	1		MON			0.0	15	2.3 †	-55	105		M407c	Resolver-to-BCD;90V,400Hz,Ref 115Vrms.
81	RDC511H3	1		MON			0.0	15	2.3 †	0	70		M407c	Resolver-to-BCD;90V,400Hz,Ref 115Vrms.
82	RDC511L1	1		MON			0.0	15	2.3 †	-55	105		M407c	Resolver-to-BCD;11.8V,400Hz,Ref 26Vrms.
83	RDC511L3	1		MON			0.0	15	2.3 †	0	70		M407c	Resolver-to-BCD;11.8V,400Hz,Ref 26Vrms.
84	RDC511M1	1		MON			0.0	15	2.3 †	-55	105		M407c	Resolver-to-BCD;2.6V,400Hz,Ref 26Vrms.
85	RDC511M3	1		MON			0.0	15	2.3 †	0	70		M407c	Resolver-to-BCD;2.6V,400Hz,Ref 26Vrms.
86	SDC36-6-1	1		3DM			15	15	6.0 †	-55	85		M338	Synchro to Dig Conv;Vi 90Vrms at 60Hz
87	SDC36-6-3	1		3DM			15	15	6.0 †	0	70		M338	Synchro to Dig.Conv;Vi 90Vrms at 60Hz.
88	SDC36H1	1		3DM			15	15	6.0 †	-55	85		M337	Synchro to Dig.Conv;Vi 90Vrms at 400Hz.
89	SDC36H3	1		3DM			15	15	6.0 †	0	70		M337	Synchro to Dig.Conv;Vi 90Vrms at 400Hz.
90	SDC36L1	1		3DM			15	15	6.0 †	-55	85		M337	Synchro to Dig.Conv;Vi 11.8Vrms at 400Hz.
91	SDC36L3	1		3DM			15	15	6.0 †	0	70		M337	Synchro to Dig.Conv;Vi 11.8Vrms at 400Hz.
92	SDC500-6-1	1		MON			0.0	15	675mt	-55	105		M406a	Synchro-to-Dig;90V,60Hz,Ref 115Vrms.
93	SDC500-6-3	1		MON			0.0	15	675mt	0	70		M406a	Synchro-to-Dig;90V,60Hz,Ref 115Vrms.
94	SDC500H1	1		MON			0.0	15	675mt	-55	105		M406	Synchro-to-Dig;90V,400Hz,Ref 115Vrms.
95	SDC500H3	1		MON			0.0	15	675mt	0	70		M406	Synchro-to-Dig;90V,400Hz,Ref 115Vrms.
96	SDC500L1	1		MON			0.0	15	675mt	-55	105		M406	Synchro-to-Dig;11.8V,400Hz,Ref 26Vrms.
97	SDC500L3	1		MON			0.0	15	675mt	0	70		M406	Synchro-to-Dig;11.8V,400Hz,Ref 26Vrms.
98	SDC501-1	1					0.0	15		-55	105		M488	Program 16 Bit Synchro to Dig Conv.
99	SDC501-3	1					0.0	15		0	70		M488	Program 16 Bit Synchro to Dig Conv.
100	SDC510-6-1	1		MON			0.0	15	2.3 †	-55	105		M408	Synchro-to-BCD;90V,60Hz,Ref 115Vrms.
101	SDC510-6-3	1		MON			0.0	15	2.3 †	0	70		M408	Synchro-to-BCD;90V,60Hz,Ref 115Vrms.
102	SDC510H1	1		MON			0.0	15	2.3 †	-55	105		M407	Synchro-to-BCD;90V,400Hz,Ref 115Vrms.
103	SDC510H3	1		MON			0.0	15	2.3 †	0	70		M407	Synchro-to-BCD;90V,400Hz,Ref 115Vrms.
104	SDC510L1	1		MON			0.0	15	2.3 †	-55	105		M407	Synchro-to-BCD;11.8V,400Hz,Ref 26Vrms.
105	SDC510L3	1		MON			0.0	15	2.3 †	0	70		M407	Synchro-to-BCD;11.8V,400Hz,Ref 26Vrms.
106	SDC511-6-1	1		MON			0.0	15	2.3 †	-55	105		M408a	Synchro-to-BCD;90V,60Hz,Ref 115Vrms.
107	SDC511-6-3	1		MON			0.0	15	2.3 †	0	70		M408a	Synchro-to-BCD;90V,60Hz,Ref 115Vrms.
108	SDC511H1	1		MON			0.0	15	2.3 †	-55	105		M407b	Synchro-to-BCD;90V,400Hz,Ref 115Vrms.
109	SDC511H3	1		MON			0.0	15	2.3 †	0	70		M407b	Synchro-to-BCD;90V,400Hz,Ref 115Vrms.
110	SDC511L1	1		MON			0.0	15	2.3 †	-55	105		M407b	Synchro-to-BCD;11.8V,400Hz,Ref 26Vrms.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SDC511L3	1		MON			0.0	15	2.3 †	0	70		M407b	Synchro-to-BCD;11.8V,400Hz,Ref 26Vrms.
2	SH3001	1		MOH			22	11	350mΔ	-55	125	K0113	TO100	SPDT Multiplexer.
3	TSDC160851Z	1		3DM			15	15	2.2 †	0	70			2 Speed Synchro to Dig Converter 8:1
4	TSDC160861Z	1		3DM			15	15	2.2 †	-55	105			2 Speed Synchro to Dig Converter 8:1
5	TSDC160951Z	1		3DM			15	15	2.2 †	0	70			2 Speed Synchro to Dig Converter 16:1
6	TSDC160961Z	1		3DM			15	15	2.2 †	-55	105			2 Speed Synchro to Dig Converter 16:1
7	TSDC161051Z	1		3DM			15	15	2.2 †	0	70			2 Speed Synchro to Dig Converter 32:1
8	TSDC161061Z	1		3DM			15	15	2.2 †	-55	105			2 Speed Synchro to Dig Converter 32:1
9	TSDC161151Z	1		3DM			15	15	2.2 †	0	70			2 Speed Synchro to Dig Converter 64:1
10	TSDC161161Z	1		3DM			15	15	2.2 †	-55	105			2 Speed Synchro to Dig Converter 64:1
11	TSDC1608507	1		3DM			15	15	2.2 †	0	70			2 Speed Synchro to Dig Converter 8:1
12	TSDC1608607	1		3DM			15	15	2.2 †	-55	105			2 Speed Synchro to Dig Converter 8:1
13	TSDC1609507	1		3DM			15	15	2.2 †	0	70			2 Speed Synchro to Dig Converter 16:1
14	TSDC1609607	1		3DM			15	15	2.2 †	-55	105			2 Speed Synchro to Dig Converter 16:1
15	TSDC1610507	1		3DM			15	15	2.2 †	0	70			2 Speed Synchro to Dig Converter 32:1
16	TSDC1610607	1		3DM			15	15	2.2 †	-55	105			2 Speed Synchro to Dig Converter 32:1
17	TSDC1611507	1		3DM			15	15	2.2 †	0	70			2 Speed Synchro to Dig Converter 64:1
18	TSDC1611607	1		3DM			15	15	2.2 †	-55	105			2 Speed Synchro to Dig Converter 64:1
19	TSL1612500	1		3DM			0.0	5.0		0	70			2 Speed Synchro to Dig Converter.
20	VADC-A	1		3DM			15	15	27 †	0	50	K0129	M340	8 Bit Video;Vi .50V;Acc ±.20% of FS.
21	VADC-B	1		3DM			15	15	27 †	0	50	K0129	M340	8 Bit Video;Vi ±2.5V;Acc ±.20% of FS.
22	MADC8-1	1	50k	3DM			15	15	2.0	-55	85		MØ	8 Bit;VI ±10V;Ic 70mA.
23	MADC8-3	1	50k	3DM			15	15	2.0	0	50		MØ	8 Bit;VI ±10V;Ic 70mA.
24	MADC9-1	1	50k	3DM			15	15	2.0	-55	85		MØ	9 Bit;VI ±10V;Ic 70mA.
25	MADC9-3	1	50k	3DM			15	15	2.0	0	50		MØ	9 Bit;VI ±10V;Ic 70mA.
26	MADC10-1	1	50k	3DM			15	15	2.0	-55	85		MØ	10 Bit;VI ±10V;Ic 70mA.
27	MADC10-3	1	50k	3DM			15	15	2.0	0	50		MØ	10 Bit;VI ±10V;Ic 70mA.
28	MADC11-1	1	50k	3DM			15	15	2.0	-55	85		MØ	11 Bit;VI ±10V;Ic 70mA.
29	MADC11-3	1	50k	3DM			15	15	2.0	0	50		MØ	11 Bit;VI ±10V;Ic 70mA.
30	HADC9-1	1	100k				0.0	5.0	3.0	-55	85		M187	9.0 Bits accuracy;11 Bits resolution.
31	HADC9-3	1	100k				0.0	5.0	3.0	0	50		M187	9.0 Bits accuracy;11 Bits resolution.
32	HADC10-1	1	100k				0.0	15	3.0	-55	85		M187	10 Bits accuracy;11 Bits resolution.
33	HADC10-3	1	100k				0.0	15	3.0	0	50		M187	10 Bits accuracy;11 Bits resolution.
34	HADC11-1	1	100k				15	0.0	3.0	-55	85		M187	11 Bits accuracy;11 Bits resolution.
35	HADC11-3	1	100k				15	0.0	3.0	0	50		M187	11 Bits accuracy;11 Bits resolution.
36▼	MN5206	1	260kΔ	TFH			15	15	700m†	0	70		M526a	12 Bit;Lin ±1/2 LSB;Vin 0 to plus 10V.
37▼	MN5206H	1	260kΔ	TFH			15	15	700m†	-55	125		M526a	12 Bit;Lin ±1/2 LSB;Vin 0 to plus 10V.
38	770-754-1-20-5	1	280k	3DM			22	22	3.6	0	60		MØ	13 Bit BCD Tens Complement Output Code.
39	770-750-0-20-0	1	300k	3DM			0.0	22		0	50		MØ	8 Bit A/D Converter.
40	770-750-0-20-1	1	300k	3DM			0.0	22		0	50		MØ	8 Bit A/D Converter.
41	770-750-0-20-2	1	300k	3DM			0.0	22		0	50		MØ	8 Bit A/D Converter.
42	770-750-0-20-3	1	300k	3DM			0.0	22		0	50		MØ	8 Bit A/D Converter.
43	770-750-1-20-0	1	300k	3DM			0.0	22		0	50		MØ	9 Bit w/Straight Binary Output Code.
44	770-750-1-20-1	1	300k	3DM			0.0	22		0	50		MØ	9 Bit w/Straight Binary Output Code.
45	770-750-1-20-2	1	300k	3DM			0.0	22		0	50		MØ	9 Bit w/Straight Binary Output Code.
46	770-750-1-20-3	1	300k	3DM			0.0	22		0	50		MØ	9 Bit w/Straight Binary Output Code.
47	770-750-2-20-0	1	300k	3DM			0.0	22		0	50		MØ	10 Bit w/Ones Complement Output Code.
48	770-750-2-20-1	1	300k	3DM			0.0	22		0	50		MØ	10 Bit w/Ones Complement Output Code.
49	770-750-2-20-2	1	300k	3DM			0.0	22		0	50		MØ	10 Bit w/Ones Complement Output Code.
50	770-750-2-20-3	1	300k	3DM			0.0	22		0	50		MØ	10 Bit w/Ones Complement Output Code.
51	770-750-3-20-0	1	300k	3DM			0.0	22		0	50		MØ	11 Bit w/Twos Complement Output Code.
52	770-750-3-20-1	1	300k	3DM			0.0	22		0	50		MØ	11 Bit w/Twos Complement Output Code.
53	770-750-3-20-2	1	300k	3DM			0.0	22		0	50		MØ	11 Bit w/Twos Complement Output Code.
54	770-750-3-20-3	1	300k	3DM			0.0	22		0	50		MØ	11 Bit w/Twos Complement Output Code.
55	770-750-4-20-0	1	300k	3DM			0.0	22		0	50		MØ	12 Bit w/Offset Binary Output Code.
56	770-750-4-20-1	1	300k	3DM			0.0	22		0	50		MØ	12 Bit w/Offset Binary Output Code.
57	770-750-4-20-2	1	300k	3DM			0.0	22		0	50		MØ	12 Bit w/Offset Binary Output Code.
58	770-750-4-20-3	1	300k	3DM			0.0	22		0	50		MØ	12 Bit w/Offset Binary Output Code.
59	770-753-0-20-0	1	300k	3DM			0.0	22		0	60		MØ	8 Bit A/D Converter.
60	770-753-0-20-1	1	300k	3DM			0.0	22		0	60		MØ	8 Bit A/D Converter.
61	770-753-0-20-2	1	300k	3DM			0.0	22		0	60		MØ	8 Bit A/D Converter.
62	770-753-0-20-3	1	300k	3DM			0.0	22		0	60		MØ	8 Bit A/D Converter.
63	770-753-1-20-0	1	300k	3DM			0.0	22		0	60		MØ	9 Bit w/Straight Binary Output Code.
64	770-753-1-20-1	1	300k	3DM			0.0	22		0	60		MØ	9 Bit w/Straight Binary Output Code.
65	770-753-1-20-2	1	300k	3DM			0.0	22		0	60		MØ	9 Bit w/Straight Binary Output Code.
66	770-753-1-20-3	1	300k	3DM			0.0	22		0	60		MØ	9 Bit w/Straight Binary Output Code.
67	770-753-2-20-0	1	300k	3DM			0.0	22		0	60		MØ	10 Bit w/Ones Complement Output Code.
68	770-753-2-20-1	1	300k	3DM			0.0	22		0	60		MØ	10 Bit w/Ones Complement Output Code.
69	770-753-2-20-2	1	300k	3DM			0.0	22		0	60		MØ	10 Bit w/Ones Complement Output Code.
70	770-753-2-20-3	1	300k	3DM			0.0	22		0	60		MØ	10 Bit w/Ones Complement Output Code.
71	770-753-3-20-0	1	300k	3DM			0.0	22		0	60		MØ	11 Bit w/Twos Complement Output Code.
72	770-753-3-20-1	1	300k	3DM			0.0	22		0	60		MØ	11 Bit w/Twos Complement Output Code.
73	770-753-3-20-2	1	300k	3DM			0.0	22		0	60		MØ	11 Bit w/Twos Complement Output Code.
74	770-753-3-20-3	1	300k	3DM			0.0	22		0	60		MØ	11 Bit w/Twos Complement Output Code.
75	770-753-4-20-0	1	300k	3DM			0.0	22		0	60		MØ	12 Bit w/Offset Binary Output Code.
76	770-753-4-20-1	1	300k	3DM			0.0	22		0	60		MØ	12 Bit w/Offset Binary Output Code.
77	770-753-4-20-2	1	300k	3DM			0.0	22		0	60		MØ	12 Bit w/Offset Binary Output Code.
78	770-753-4-20-3	1	300k	3DM			0.0	22		0	60		MØ	12 Bit w/Offset Binary Output Code.
79▼	MN5216	1	1.0MΔ	TFH			15	15	700m†	0	70		M526a	12 Bit;Vin 0 to plus 10V;Lin ±1/2 LSB max
80▼	MN5216H	1	1.0MΔ	TFH			15	15	700m†	-55	125		M526a	12 Bit;Vin 0 to plus 10V;Lin ±1/2 LSB max
81	DT307	1	5.0MΔ	PCB	.45*	5.0*	22	22		15	55			1 Ckt.
82	ADC575-12	1		3DM	.80	.20	0.0	15	30m	0	70	K0143	M384	Acc 0.02% max;Gain vs Temp 30ppm/°C.
83♦	MN515	1	250kΔ	3DM	2.0%	.40*	15	15	1.3 §	0	70	K0127	M327	12 Bit;Multi Range Input;Int Ref.
84♦	MN515H	1	250kΔ	3DM	2.0%	.40*	15	15	1.3 §	-55	125	K0127	M327	12 Bit;Multi Range Input;Int Ref.
85♦	MN516	1	250kΔ	3DM	2.0%	.40*	15	15	1.7 §	0	70	K0127	M327	12 Bit;Output Register;Multi Range Input.
86♦	MN516H	1	250kΔ	3DM	2.0%	.40*	15	15	1.7 §	-55	125	K0127	M327	12 Bit;Output Register;Multi Range Input.
87♦	MN517	1	250kΔ	3DM	2.0%	.40*	15	15	1.7 §	0	70	K0127	M327	12 Bit BCD;Vin 0 to 5V;0 to 10V;Lin±1/2LSB
88♦	MN517H	1	250kΔ	3DM	2.0%	.40*	15	15	1.7 §	-55	125	K0127	M327	12 Bit BCD;Vin 0 to 5V;0 to 10V;Lin±1/2LSB
89▼	ADC55-12-BIN	1	1.0MΔ	3DM	2.0%	.40*	15	15	3.2 †	-25	85	K0132	M302e	12 Bit;Conv Speed 12us max.
90▼	ADC55-10-BIN	1	1.2MΔ	3DM	2.0%	.40*	15	15	3.2 †	-25	85	K0132b	M302e	10 Bit;Conv Speed 8us max.
91▼	MN5100	1	6.0MΔ	TFH	2.0%	.40*†	15	15	1.5	0	70	K0187	M526	8 Bit;Lin ±1/2 LSB;Conv Time 1.5us.
92▼	MN5100H	1	6.0MΔ	TFH	2.0%	.40*†	15	15	1.5	-55	85	K0187	M526	8 Bit;Lin ±1/2 LSB;Conv Time 1.5us.
93▼	AD124-08CW1	1		MON	2.0%	.70*	15	15	1.0 §	-55	125		M517	8-12 Successive Approximation Series.
94▼	AD124-08CW3	1		MON	2.0%	.70*	15	15	1.0 §	0	70		M517	8-12 Successive Approximation Series.
95▼	AD124-08DW1	1		MON	2.0%	.70*	15	15	1.0 §	-55	125		M517	8-12 Successive Approximation Series.
96▼	AD124-08DW3	1		MON	2.0%	.70*	15	15	1.0 §	0	70		M517	8-12 Successive Approximation Series.
97▼	AD124-09CW1	1		MON	2.0%	.70*	15	15	1.0 §	-55	125			8-12 Successive Approximation Series.
98	104BCD-N	1		3DM	2.0%	.80*	15	15	900m%	0	70	K0165	M444	3 1/2Digit BCD;0 to -10V Input;8ms Conv.
99	104BIN-N	1		3DM	2.0%	.80*	15	15	900m%	0	70	K0165	M444	12 Bit Binary;0 to -10V Input;20ms Conv.
100	105BCD-N	1		3DM	2.0%	.80*	15	15	900m%	0	70	K0166	M445	3 1/2Digit BCD;0 to -10V Input;750us Conv.
101	105BIN-N	1		3DM	2.0%	.80*	15	15	900m%	0	70	K0166	M445	12 Bit Binary;0 to -10V Input;2ms Conv.
102	160-12	1		3DM	2.0%	.80*	15	15	1.3 %	0	70	K0170	M450	12 Bit Binary;0 to -10,±5,±10V.
103	161-10	1		3DM	2.0%	.80*	15	15	1.8 %	0	70	K0170	M450	10 Bit Binary;0 to -10,±5,±10V.
104	4109	1		3DM	2.0%	.80*	15	15	900m§	0	70		MØ	12 Bits;Linear ±1/2LSB max;VIO.0 to -10V.
105	4109-10	1		3DM	2.0%	.80*	15	15	900m§	0	70		MØ	12 Bits;Linear ±1/2LSB max;VIO.0 to 10V.
106	4111	1		3DM	2.0%	.80*	15	15	900m§	0	70		MØ	12 Bits;Linear ±1/2LSB max;VIO.0 to -10V.
107	4111-10	1		3DM	2.0%	.80*	15	15	900m§	0	70		MØ	12 Bits;Linear ±1/2LSB max;VIO.0V to 10V.
108▼	ADC40-08-BIN	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	8 Bit;Conv Speed 20us max.
109▼	ADC40-10-BIN	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	10 Bit;Conv Speed 30us max.
110	ADC40-12-BCD	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	12 Bit;Conv.Speed 30us max.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	ADC40-12-BIN	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	12 Bit;Conv Speed 30us max.
2▼	ADC50-08-BIN	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	8 Bit;Conv Speed 20us max.
3▼	ADC50-10-BIN	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	10 Bit;Conv Speed 30us max.
4	ADC50-12-BCD	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	12 Bit;Conv.Speed 30us max.
5▼	ADC50-12-BIN	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	12 Bit;Conv Speed 30us max.
6	ADC60-08	1		3DM	2.0%	.80*	15	15	2.9 §	0	70	K0185	M302r	8 Bit;Conversion Speed .88us max.
7	ADC60-10	1		3DM	2.0%	.80*	15	15	2.9 §	0	70	K0185	M302r	10 Bit;Conversion Speed 1.88us max.
8	ADC60-12	1		3DM	2.0%	.80*	15	15	2.9 §	0	70	K0185	M302r	12 Bit;Conversion Speed 3.5us max.
9	ADC85-10	1		TFH	2.0%	.80*	15	15	1.8 §	-25	85	K0186	M511	10 Bit;Conversion Speed 6us max.
10	ADC85-12	1		TFH	2.0%	.80*	15	15	1.8 §	-25	85	K0186	M511	12 Bit;Conversion Speed 10us max.
11	ADC85C-10	1		TFH	2.0%	.80*	15	15	1.8 §	0	70	K0186	M511	10 Bit;Conversion Speed 6us max.
12	ADC85C-12	1		TFH	2.0%	.80*	15	15	1.8 §	0	70	K0186	M511	12 Bit;Conversion Speed 10us max.
13	HI-1D0180	1		MON	2.0%	.80*†	0.0	5.0		-55	125	K15539	M200p	8-Bit A to D Encoder.
14	HI-1D0185	1		MON	2.0%	.80*†	0.0	5.0		0	75	K15539	M200p	8-Bit A to D Encoder.
15	MC1405L	1		MON	2.0%	.80*	0.0	15	195m	0	70		M191	Dual Ramp Subsystem.
16	MC1505L	1		MON	2.0%	.80*	0.0	15	195m	-55	125		M191	Dual Ramp Subsystem.
17	107BCD	1	25	3DM	2.0%	.80*	15	15	1.2 %	0	70	K0167	M447	±4 1/2Digit BCD;±10V Input;tconv. 40ms.
18	107BIN	1	25	3DM	2.0%	.80*	15	15	1.2 %	0	70	K0167	M447	±14 Bit BIN;±10V Input;tconv. 40ms.
19	109	1	25	3DM	2.0%	.80*	15	15	225m%	0	70	K0168	M448	±100,000 Counts max;Req.Ext.Count.
20	104BIN-P	1	50	3DM	2.0%	.80*	15	15	1.6 %	0	70	K0165	M444	12 Bit BIN;0 to 10V Input;tconv. 20ms.
21	106-1	1	100	3DM	2.0%	.80*	15	15	1.2 %	0	70		M446	±3 1/2Digit BCD;±10V Input;tconv 10ms.
22	104BCD-P	1	125	3DM	2.0%	.80*	15	15	1.6 %	0	70	K0165	M444	3 1/2 Digit BCD;0 to 10V Input;tconv 8.0ms
23	A854BIN	1	250	3DM	2.0%	.80*	15	15	2.2 §	-25	85			Integrating 12-Bit;4ms.
24	105BIN-P	1	500	3DM	2.0%	.80*	15	15	1.7 %	0	70	K0166	M445	12 Bit BIN;0 to 10V Input;tconv 2.0ms.
25	A854BCD	1	500	3DM	2.0%	.80*	15	15	2.2 §	-25	85			Integrating 3-1/2 Digit;2ms.
26	105BCD-P	1	1.3k	3DM	2.0%	.80*	15	15	1.7 %	0	70	K0166	M445	3 1/2 Digit BCD;0 to 10V Input;tconv 750us
27	160-10	1	13k	3DM	2.0%	.80*	15	15	1.3 %	0	70	K0170	M450	10 Bit BIN;0 to -10V,±10V;tconv 75us.
28	158	1	20k	3DM	2.0%	.80*	0.0	5.0	500m%	0	70	K0169	M449	8 Bit BIN;Single Supply;50us conv.
29	168-12	1	25k	3DM	2.0%	.80*	15	15	1.7 %	0	70			12 Bit BIN;0 to ±10V,±5V,±10V;tconv 40us.
30	161-12	1	30k	3DM	2.0%	.80*	15	15	1.8 %	0	70	K0170	M450	12 Bit BIN;0 to -10V,±5V,±10V;tconv 30us.
31	170-8	1	40k	3DM	2.0%	.80*	15	15	1.7 %	0	70		M302q	8 Bit BIN;0 to ±10V,±5V,±10V;tconv 25us.
32	170-10	1	40k	3DM	2.0%	.80*	15	15	1.7 %	0	70		M302q	10 Bit BIN;0 to 10V,±5V,±10V;tconv 25us.
33	170-12	1	40k	3DM	2.0%	.80*	15	15	1.7 %	0	70		M302q	12 Bit BIN;0 to 10V,±5V,±10V;tconv 25us.
34	171-8	1	40k	3DM	2.0%	.80*	15	15	1.7 %	0	70		M302q	8 Bit BIN;0 to 10V,±5V,±10V;tconv 25us.
35	171-10	1	40k	3DM	2.0%	.80*	15	15	1.7 %	0	70		M302q	10 Bit BIN;0 to 10V,±5V,±10V;tconv 25us.
36	171-12	1	40k	3DM	2.0%	.80*	15	15	1.7 %	0	70		M302q	12 Bit BIN;0 to 10V,±5V,±10V;tconv 25us.
37	4110	1	40k	3DM	2.0%	.80*	15	15.5	1.7	0	70			8 bit Tracking A to D.
38	A855-14	1	40k	3DM	2.0%	.80*	15	15	2.7 §	0	70			14-Bit;25us Conversion Time.
39	A855-13	1	50k	3DM	2.0%	.80*	15	15	2.7 §	0	70			12-Bit;20us Conversion Time.
40	A856-16	1	125k	PCB	2.0%	.80*	15	15	8.5 §	0	60	K0184	CB68	16-Bit;8us Conversion Time.
41	MN5200	1	240k	TFH	2.0%	.80*	15	15	915m§	0	70	K0145	M387	12 Bit;Vin 0 to -10V;Acc.4%;Lin.±1/2LSB.
42	MN5200H	1	240k	TFH	2.0%	.80*	15	15	915m§	-55	125	K0145	M387	12 Bit;Vin 0 to -10V;Acc.4%;Lin. ±1/2LSB.
43	MN5201	1	240k	TFH	2.0%	.80*	15	15	915m§	0	70	K0145	M387	12 Bit;Vin 5 to -5V;Acc.4%;Lin. ±1/2LSB.
44	MN5201H	1	240k	TFH	2.0%	.80*	15	15	915m§	-55	125	K0145	M387	12 Bit;Vin 5 to -5V;Acc.4%;Lin. ±1/2LSB.
45	MN5202	1	240k	TFH	2.0%	.80*	15	15	915m§	0	70	K0145	M387	12 Bit;Vin 10 to-10V;Acc.4%;Lin.±1/2LSB.
46	MN5202H	1	240k	TFH	2.0%	.80*	15	15	915m§	-55	125	K0145	M387	12 Bit;Vin 10 to-10V;Acc.4%;Lin.±1/2LSB.
47	MN5203	1	240k	TFH	2.0%	.80*	15	15	744m§	0	70	K0145	M387	12 Bit,Vin 0 to 10V;Lin ±1/2 LSB max.
48	MN5203H	1	240k	TFH	2.0%	.80*	15	15	744m§	-55	125	K0145	M387	12 Bit,Vin 0 to 10V;Lin ±1/2 LSB max.
49	MN5204	1	240k	TFH	2.0%	.80*	15	15	744m§	0	70	K0145	M387	12 Bit,Vin 5 to -5V;Lin ±1/2 LSB max.
50	MN5204H	1	240k	TFH	2.0%	.80*	15	15	744m§	-55	125	K0145	M387	12 Bit,Vin 5 to -5V;Lin ±1/2 LSB max.
51	MN5205	1	240k	TFH	2.0%	.80*	15	15	744m§	0	70	K0145	M387	12 Bit,Vin 10 to 10;Lin ±1/2 LSB max.
52	MN5205H	1	240k	TFH	2.0%	.80*	15	15	744m§	-55	125	K0145	M387	12 Bit,Vin 10 to 10V;Lin ±1/2 LSB max.
53	175-12	1	285k	3DM	2.0%	.80*	15	15	2.0	0	70			12 Bit BIN;0 to 10V,±5V,±10V;tconv 3.5us.
54	A851-12	1	400k	3DM	2.0%	.80*	15	15	2.7 §	0	60		M500	12-Bit;2.5us Conversion Time.
55	175-10	1	500k	3DM	2.0%	.80*	15	15	2.0	0	70			10 Bit BIN;0 to 10V,±5V,±10V;tconv 2.0us.
56	175-8	1	800k	3DM	2.0%	.80*	15	15	2.0	0	70			8 Bit BIN;0 to 10V,±5V,±10V;tconv 1.2us.
57▼	876B5	1	1.0MΔ	MOH	2.0%	.80*	15	15	1.4 §	-55	125	K0128	M196c	11 Bit;Vi -5.0V to 5.0V;Acc ±.30% ±1/2 LSB
58	876B5D1	1	1.0MΔ	MOH	2.0%	.80*	15	15	1.5 §	-55	125	K0128	M196c	Vi -5.0V to 5.0V;Acc ±.10% ±1/2LSB.
59▼	876B10	1	1.0MΔ	MOH	2.0%	.80*	15	15	1.4 §	-55	125	K0128	M196c	11 Bit;Vi -10V to 10V;Acc ±.30% ±1/2 LSB
60	876B10D1	1	1.0MΔ	MOH	2.0%	.80*	15	15	1.5 §	-55	125	K0128	M196c	Vi -10V to 10V;Acc ±.10% ±1/2LSB.
61▼	876U10	1	1.0MΔ	MOH	2.0%	.80*	15	15	1.4 §	-55	125	K0128	M196c	11 Bit;Vi 0V to 10V;Acc ±.30% ±1/2 LSB
62	876U10D1	1	1.0MΔ	MOH	2.0%	.80*	15	15	1.5 §	-55	125	K0128	M196c	Vi 0.0V-10V;Acc ±.10% ±1/2LSB.
63	A851-10	1	1.0M	3DM	2.0%	.80*	15	15	2.7 §	0	60		M500	10 Bit;1us Conversion Time.
64♦	MN5210	1	1.0MΔ	TFH	2.0%	.80*	15	15	915m§	0	70	K0145	M387	12 Bit;Vin 0 to -10V;Lin ±1/2 LSB max.
65♦	MN5210H	1	1.0MΔ	TFH	2.0%	.80*	15	15	915m§	-55	125	K0145	M387	12 Bit;Vin 0 to -10V;Lin ±1/2 LSB max.
66♦	MN5211	1	1.0MΔ	TFH	2.0%	.80*	15	15	915m§	0	70	K0145	M387	12 Bit;Vin plus 5 to -5V;Lin ±1/2 LSB max
67♦	MN5211H	1	1.0MΔ	TFH	2.0%	.80*	15	15	915m§	-55	125	K0145	M387	12 Bit;Vin plus 5 to -5V;Lin ±1/2 LSB max
68♦	MN5212	1	1.0MΔ	TFH	2.0%	.80*	15	15	915m§	0	70	K0145	M387	12 Bit;Vin plus 10 to -10V;Lin±1/2 LSB max
69♦	MN5212H	1	1.0MΔ	TFH	2.0%	.80*	15	15	915m§	-55	125	K0145	M387	12 Bit;Vin plus 10 to -10V;Lin ±1/2LSB max
70♦	MN5213	1	1.0MΔ	TFH	2.0%	.80*	15	15	744m§	0	70	K0145	M387	12 Bit;Vin 0 to -10V;Lin ±1/2 LSB max.
71♦	MN5213H	1	1.0MΔ	TFH	2.0%	.80*	15	15	744m§	-55	125	K0145	M387	12 Bit;Vin 0 to -10V;Lin ±1/2 LSB max.
72♦	MN5214	1	1.0MΔ	TFH	2.0%	.80*	15	15	744m§	0	70	K0145	M387	12 Bit;Vin plus 5 to -5V;Lin ±1/2 LSB max
73♦	MN5214H	1	1.0MΔ	TFH	2.0%	.80*	15	15	744m§	-55	125	K0145	M387	12 Bit;Vin plus 5 to -5V;Lin ±1/2 LSB max
74♦	MN5215	1	1.0MΔ	TFH	2.0%	.80*	15	15	744m§	0	70	K0145	M387	12 Bit;Vin plus 10 to -10V;Lin ±1/2LSB max
75♦	MN5215H	1	1.0MΔ	TFH	2.0%	.80*	15	15	744m§	-55	125	K0145	M387	12 Bit;Vin plus 10 to -10V;Lin ±1/2LSB max
76	A857-8	1	1.2M	3DM	2.0%	.80*	15	15	1.5 §	-25	85		M501	8-Bit;800ns Conversion Time.
77	A857H8B	1	1.2M	3DM	2.0%	.80*	15	15	1.5 §	-25	85		M501	8-Bit;800ns Conversion Time;Buffered.
78▼	MN5120	1	1.5MΔ	TFH	2.0%	.80*	15	15	1.0	0	70	K0188	M326c	8 Bit;Lin ±1/2 LSB;Vin 0V to -10V.
79▼	MN5121	1	1.5MΔ	TFH	2.0%	.80*	15	15	1.0	0	70	K0188	M326c	8 Bit;Lin ±1/2 LSB;Vin -5V to plus 5V.
80▼	MN5122	1	1.5MΔ	TFH	2.0%	.80*	15	15	1.0	0	70	K0188	M326c	8 Bit;Lin ±1/2 LSB;Vin -10V to plus 10V.
81▼	MN5123	1	1.5MΔ	TFH	2.0%	.80*	15	15	1.0	0	70	K0188	M326c	8 Bit;Lin ±1/2 LSB;Vin 0V to plus 10V.
82	A857-4	1	2.5M	3DM	2.0%	.80*	15	15	1.5 §	-25	85		M501	4-Bit;400ns Conversion Time.
83	A857H4B	1	2.5M	3DM	2.0%	.80*	15	15	1.5 §	-25	85		M501	4-Bit;400ns Conversion Time;Buffered.
84	AN-DI802VID	1	4.0M	PCM	2.0%	.80*	15	15	8.6 %	0	50	K0171		8 Bit BIN;Includes Diff.Amp;tconv 20us.
85	AN-DI1002VID	1	4.0M	PCM	2.0%	.80*	15	15	8.6 %	0	50	K0171		10 Bit BIN;Includes Diff.Amp;tconv 20us.
86	AN-DI802RAD-B	1	15M	PCM	2.0%	.80*	15	15	10 %	0	50			8 Bit BIN;Includes Diff.Amp;7us S/H.
87	AN-DI802RAD-C	1	15M	PCM	2.0%	.80*	15	15	10 %	0	50			8 Bit BIN;Includes Diff.Amp,100ps S/H.
88▼	4116☑	1		3DM	2.4%	.40*†	15	15	1.4	0	70	K0189		8 Bits ADC;Conv Time 6.0ms max.
89▼	4116-10	1		3DM	2.4%	.40*†	15	15	1.4	0	70	K0189		Buffered 8 Bit ADC;Conv Time 6.0ms max.
90▼	4117☑	1		3DM	2.4%	.40*†	15	15	1.4	0	70	K0189		2.5 Digit BCD ADC;Conv Time 5.0ms max.
91▼	4117-10	1		3DM	2.4%	.40*†	15	15	1.4	0	70	K0189		Buff 2.5 Digit BCD ADC;Conv Time 5.0ms max
92▼	4130-10	1		3DM	2.4%	.40*†	15	15	2.4	0	70			8 Bit ADC;Conv Time 750ns;Vin 0 to -5V.
93▼	4130-20	1		3DM	2.4%	.40*†	15	15	2.4	0	70			8 Bit ADC;Conv Time 750ns;Vin 0 to -10V.
94▼	4130-30	1		3DM	2.4%	.40*†	15	15	2.4	0	70			8 Bit ADC;Conv Time 750ns;Vin 5 to -5V.
95▼	4130-40	1		3DM	2.4%	.40*†	15	15	2.4	0	70			8 Bit ADC;Conv Time 750ns;Vin 10 to -10V.
96▼	4131-10	1		3DM	2.4%	.40*†	15	15	3.2	0	70			10 Bit ADC;Conv Time 1.0us;Vin 0 to -5V.
97▼	4131-20	1		3DM	2.4%	.40*†	15	15	3.2	0	70			10 Bit ADC;Conv Time 1.0us;Vin 0 to -10V.
98▼	4131-30	1		3DM	2.4%	.40*†	15	15	3.2	0	70			10 Bit ADC;Conv Time 1.0us;Vin 5 to -5V.
99▼	4131-40	1		3DM	2.4%	.40*†	15	15	3.2	0	70			10 Bit ADC;Conv Time 1.0us;Vin 10 to -10V.
100▼	4132-11	1		3DM	2.4%	.40*†	15	15	3.2	0	70			12 Bit ADC;Conv Time3.5us;VinO to-2.5/-5V
101▼	4132-22	1		3DM	2.4%	.40*†	15	15	3.2	0	70			12 Bit ADC;Conv Time3.5us;Vin 0 to-2.5/-5V
102▼	4133-11	1		3DM	2.4%	.40*†	15	15	3.2	0	70			12 Bit ADC;Conv Time2.5us;Vin 0 to-10/-20V
103▼	4133-22	1		3DM	2.4%	.40*†	15	15	3.2	0	70			12 Bit ADC;Conv Time2.5us;Vin 0 to-10/-20V
104	ADC8QMET	1		3DM	2.4%	.40*	15	15	1.9 †	-55	125	K0133a	M365	8 bit or 2BCD digits;Conv.Time 18us max.
105	ADC8QMSN	1		3DM	2.4%	.40*	15	15	1.9 †	0	70	K0133a	M365	8 Bits or 2BCD digits;Conv.Time 18us max.
106	ADC8QU	1		3DM	2.4%	.40*	15	15	2.6 †	0	70	K0132a	M364f	8 bits;Acc±1/2LSB;Conv.Time 6.4us max.
107	ADC8S	1		3DM	2.4%	.40*	15	15	1.4 †	0	70	K0138	M362	8 bits;Acc±1/2LSB;TC ±60ppm/°C.
108	ADC10QMET	1		3DM	2.4%	.40*	15	15	1.9 †	-55	125	K0133	M365	10 bits;Conv.Time 22us max.
109	ADC10QMSN	1		3DM	2.4%	.40*	15	15	1.9 †	0	70	K0133	M365	10 bits;Conv.Time 22us max.
110	ADC10QU	1		3DM	2.4%	.40*	15	15	2.6 †	0	70	K0132b	M364f	10 bits;Acc±1/2LSB;Conv.Time 8.0us max.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	ADC10Z	1		3DM	2.4%	.40*	15	15	1.4 †	0	70		M364e	10 Bits;Acc ±1/2LSB max;Conv Time 20us max
2	ADC12QMET	1		3DM	2.4%	.40*	15	15	1.9 †	-55	125	K0133a	M365	12 bits or 3BCD digits;Conv.Time 25us max
3	ADC12QMSN	1		3DM	2.4%	.40*	15	15	1.9 †	0	70	K0133a	M365	12 bits or 3BCD digits;Conv.Time 25us max
4	ADC12QU	1		3DM	2.4%	.40*	15	15	2.6 †	0	70	K0132	M364f	12 bits;Acc±1/2LSB;Conv.Time 15us max.
5	ADC12QZ	1		3DM	2.4%	.40*	15	15	1.8 †	0	70	K0134	M364d	12 bits;Acc±1/2LSB max;Conv.Time40us max
6	ADC14I	1		3DM	2.4%	.40*	15	15	1.9 †	0	70	K0131a	M363a	14 bits;plus sign;Conv.Time 40ms max.
7	ADC16Q	1		3DM	2.4%	.40*	15	15	3.5 §	0	70		M367	16 Bits;Linearity Error ±.005% max.
8	ADC17I	1		3DM	2.4%	.40*	15	15	1.9 †	0	70	K0131	M363	4 1/2BCD digits plus sign;Conv.Time40usmax
9	ADC1100	1		3DM	2.4%	.40*	0.0	5.0	1.2 §	0	70	K0136	M364c	3 1/2Digits;Acc ±.050%;Conv.Time 42ms max
10	ADC1103-001	1		3DM	2.4%	.40*	15	15	3.9 §	0	70	K0137b	M364b	8 bits;Acc±1LSB max;Conv.Time 1.0us max.
11	ADC1103-002	1		3DM	2.4%	.40*	15	15	3.9 §	0	70	K0137a	M364a	10 bits;Acc±1/2LSB max;Conv.Time1.5us max
12	ADC1103-003	1		3DM	2.4%	.40*	15	15	3.9 §	0	70	K0137	M364	12 bits;Acc±1/2LSB max;Conv.Time3.5us max
13	ADC1111	1		3DM	2.4%	.40*	15	15		-55	125	K0134	M364d	12 Bit ADC;Conversion Time 25us.
14	ADCD8B	1		3DM	2.4	.40†	15	15	2.5 †	0	70	K0154	M412	8 Bit BIN,2s Comp;Acc .05%;TC ±50ppm/°C.
15	ADCD10B	1		3DM	2.4	.40†	15	15	2.5 †	0	70	K0154	M412	10 Bit BIN,2s Comp;Acc .05%;TC ±50ppm/°C.
16	ADCD12B	1		3DM	2.4	.40†	15	15	2.5 †	0	70	K0154	M412	12 Bit BIN,2s Comp;Acc .025%;TC ±50ppm/°C.
17▼	ADCHY12BC	1		3DM	2.4%	.40*†	15	15	2.0	0	70	K0191	M245b	12 Bit;Hybrid;Conv Time 8us.
18	ADCK8B	1		3DM	2.4	.40†	15	15	2.5 †	0	70	K0154	M412	8 Bit BIN,2s Comp;Acc .025%;TC ±30ppm/°C.
19	ADCK10B	1		3DM	2.4	.40†	15	15	2.5 †	0	70	K0154	M412	10 Bit BIN,2s Comp;Acc .025%;TC ±30ppm/°C.
20	ADCK12B	1		3DM	2.4	.40†	15	15	2.5 †	0	70	K0154	M412	12 Bit BIN.2s Comp;Acc .025%;TC ±30ppm/°C.
21	ADCMA10B2A	1		3DM	2.4	.40†	15	15	2.3 †	0	70	K0161	M418	10 Bit BIN,2s Comp,tconv 40us;Acc±.05%.
22	ADCMA10B2B	1		3DM	2.4	.40†	15	15	2.3 †	0	70	K0161	M418	10 Bit BIN,2s Comp;tconv 20us;Acc±.05%.
23	ADCMA12B2A	1		3DM	2.4	.40†	15	15	2.3 †	0	70	K0161a	M418	12 Bit BIN,2s Comp;tconv 40us;Acc±.012%.
24	ADCMA12B2B	1		3DM	2.4	.40†	15	15	2.3 †	0	70	K0161a	M418	12 Bit BIN,2s Comp;tconv 20us;Acc±.012%.
25	LD111CJ	1		MON	2.4	0.4	5.0	0.0	750m	0	70	K0183	M461	Anal.Chip LD110/LD111;3 1/2 Dig. A/D Conv.
26♦	LD114CR	1		MOS	2.4%	.40*†			1.2	0	70	K0183a	M536	Digital A/D Processor.
27	SDC1604507	1		3DM	2.4%	.40*	15	15	3.5 †	0	70	K0179	M376b	Tracking Synchro to Digital;16 Bit.
28	SDC1604707	1		3DM	2.4%	.40*	15	15	3.5 †	-55	85	K0179	M376b	Tracking Synchro to Digital;16 Bit.
29	LD110CJ	1	30 %	MOS	2.4	0.4	5.0	0.0	470m	0	70	K0172a	M461	Dig.Chip LD110/LD111;3 1/2 Dig. A/D Conv.
30	SDC1602507	1	500	3DM	2.4%	.40*	15	15	2.8 §	0	70	K0179	M376b	Tracking Synchro-To-Digital.
31	SDC1602607	1	500	3DM	2.4%	.40*	15	15	2.8 §	-55	105	K0179	M376b	Tracking Synchro-To-Digital.
32	SDC1603507	1	500	3DM	2.4%	.40*	15	15	2.2 §	0	70	K0179	M376c	Tracking Synchro-to-Digital.
33	SDC1603607	1	500	3DM	2.4%	.40*	15	15	2.2 §	-55	105	K0179	M376c	Tracking Synchro-to-Digital.
34	STM163052Z	1	500	3DM	2.4%	.40*	15	15	2.2 §	0	70		M377	Tracking Synchro-to-Digital.
35	STM163062Z	1	500	3DM	2.4%	.40*	15	15	2.2 §	-55	105		M377	Tracking Synchro-to-Digital.
36	STM163152Z	1	500	3DM	2.4%	.40*	15	15	2.8 §	0	70		M377	Tracking Synchro-To-Digital.
37	STM163162Z	1	500	3DM	2.4%	.40*	15	15	2.8 §	-55	105		M377	Tracking Synchro-To-Digital.
38	SDC160251Z	1	1.5k	3DM	2.4%	.40*	15	15	2.8 §	0	70		M376	Tracking Synchro-To-Digital.
39	SDC160261Z	1	1.5k	3DM	2.4%	.40*	15	15	2.8 §	-55	105		M376	Tracking Synchro-To-Digital.
40	SDC160351Z	1	1.5k	3DM	2.4%	.40*	15	15	2.2 §	0	70	K0179	M376a	Tracking Synchro-to-Digital.
41	SDC160361Z	1	1.5k	3DM	2.4%	.40*	15	15	2.2 §	-55	105	K0179	M376a	Tracking Synchro-to-Digital.
42	ADC149-14B	1	20k	3DM	2.4	.40†	15	15	3.4 †	0	70	K0152	M410	14 Bit BIN;Vin 10Vpp;ton 50us;TC ±15ppm/°C
43	ADCCM12B	1	77k	3DM	2.4	.40†	15	15		0	70	K0153	M411	12 Bit BIN;Offset BIN;2s Comp;Vin ±10V.
44	ADCCM10B	1	87k	3DM	2.4	.40†	15	15		0	70		M411	10 Bit BIN;Offset BIN;2s Comp;Vin ±10V.
45	ADCCM8B	1	244k	3DM	2.4	.40†	15	15		0	70		M411	8 Bit BIN;Offset BIN;2s Comp;Vin ±10V.
46	ADCN10B	1	250k	3DM	2.4	.40†	15	15	3.3 †	0	70	K0162	M412b	10 Bit BIN,2s Comp;Vin 5 to 20Vp-p.
47	ADCN12B	1	250k	3DM	2.4	.40†	15	15	3.3 †	0	70	K0162	M412b	12 Bit BIN,2s Comp;Vin 5 to 20Vp-p.
48	ADCP8B	1	500k	3DM	2.4	.40†	15	15	3.3 †	0	70	K0162	M412a	8 Bit BIN,2s Comp;Vin 5 to 20Vp-p.
49	ADCP10B	1	500k	3DM	2.4	.40†	15	15	3.3 †	0	70	K0162	M412b	10 Bit BIN,2s Comp;Vin 5 to 20Vp-p.
50	ADCG10B	1	1.0M	3DM	2.4	.40†	15	15	3.1 †	0	70	K0159	M412b	10 Bit BIN;2s Comp,Vin±10V;TC±50ppm/°C.
51	ADCH10B	1	1.0M	3DM	2.4	.40†	15	15	3.3 †	0	70	K0162	M412a	10 Bit BIN,2s Comp;Vin 5 to 20Vp-p.
52	ADCG8B	1	1.2M	3DM	2.4	.40†	15	15	3.1 †	0	70	K0159	M412a	8 Bit BIN;2s Comp Vin±10V;TC±50ppm/°C.
53	ADCH8B	1	1.2M	3DM	2.4	.40†	15	15	3.3 †	0	70	K0162	M412a	8 Bit BIN,2s Comp;Vin 5 to 20Vp-p.
54	ADCH6B	1	1.6M	3DM	2.4	.40†	15	15	3.3 †	0	70	K0162	M412a	6 Bit BIN,2s Comp;Vin 5 to 20Vp-p.
55	ADCVH8B	1	5.0M%	3DM	2.4	.40†	15	15	1.2 †	0	70	K0164	M420b	8 Bit BIN,Vin 2.56V;Acc ±0.4% of FS.
56	ADCUH6B	1	10M	3DM	2.4	.40†	15	15	1.2 †	0	70		M420a	6 Bit BIN,Vin 2.56V;Acc ±0.8% of FS.
57	ADCUH8B	1	10M	3DM	2.4	.40†	15	15	1.2 †	0	70	K0164	M420b	8 Bit BIN,Vin 2.56V;Acc ±0.4% of FS.
58	ADCVH4B	1	10M	3DM	2.4	.40†	15	15	1.2 †	0	70	K0163	M420	4 Bit BIN,Vin 2.56V;Acc ±3% of FS.
59	ADCH4B	1	25M	3DM	2.4	.40†	15	15	3.3 †	0	70	K0162	M412a	4 Bit BIN,2s Comp;Vin 5 to 20Vp-p.
60	ADCUH4B	1	25M	3DM	2.4	.40†	15	15	1.2 †	0	70	K0163	M420	4 Bit BIN,Vin 2.56V;Acc ±3% of FS.
61	ADCVH6B	1	50M	3DM	2.4	.40†	15	15	1.2 †	0	70		M420a	6 Bit BIN,Vin 2.56V;Acc ±0.8% of FS.
62	6409	1		PCB	2.4%	.50*	15	15	1.7	0	70		CB63a	9 Bit;Acc ±.20%;Tc ±30PPM/°C
63	6409A	1		PCB	2.4%	.50*	15	15	1.7	0	70		CB63a	9 Bit;Acc ±.20%;Tc ±30PPM/°C
64	6410	1		PCB	2.4%	.50*	15	15	1.7	0	70		CB63	10 Bits;Acc ±.10%;Tc ±20PPM/°C
65	6410A	1		PCB	2.4%	.50*	15	15	1.7	0	70		CB63	10 Bits;Acc ±.10%;Tc ±20PPM/°C
66	6412	1		PCB	2.4%	.50*	15	15	1.7	0	70		CB63	12 Bits;Acc ±.015%;Tc ±10PPM/°C
67	6412A	1		PCB	2.4%	.50*	15	15	1.7	0	70		CB63	12 Bits;ACC ±.015%;Tc ±10PPM/°C
68	6413	1		PCB	2.4%	.50*	15	15	1.7	0	70		CB63	13 Bits;Acc±.015%;Tc±10ppm/°C.
69	6413A	1		PCB	2.4%	.50*	15	15	1.7	0	70		CB63	13 Bits;Acc ±.015%;Tc ±10PPM/°C
70▼	ADCSH4B	1	2.0M	3DM	2.4%	.50*†	15	15	1.7	0	70		M527	Conv Time 400ns;Tempco 200ppm/°C.
71	770-755-0-20-0	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	8 Bit W/Straight Binary Output Code.
72	770-755-0-20-1	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	8 Bit W/Ones Complement Output Code.
73	770-755-0-20-2	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	8 Bit W/Twos Complement Output Code.
74	770-755-0-20-3	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	8 Bit W/Offset Binary Output Code.
75	770-755-2-20-0	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	10 Bit W/Straight Binary Output Code.
76	770-755-2-20-1	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	10 Bit W/Ones Complement Output Code.
77	770-755-2-20-2	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	10 Bit W/Twos Complement Output Code.
78	770-755-2-20-3	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	10 Bit W/Offset Binary Output Code.
79	770-755-4-20-0	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	12 Bit W/Straight Binary Output Code.
80	770-755-4-20-1	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	12 Bit W/Ones Complement Output Code.
81	770-755-4-20-2	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	12 Bit W/Twos Complement Output Code.
82	770-755-4-20-3	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	12 Bit W/Offset Binary Output Code.
83	770-756-0-20-0	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	8 Bit W/Straight Binary Output Code.
84	770-756-0-20-1	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	8 Bit W/ones Complement Output Code.
85	770-756-0-20-2	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	8 Bit W/Twos Complement Output Code.
86	770-756-0-20-3	1	2.0M	3DM	2.4†	.60*†	22	22	3.6	0	50		MØ	8 Bit W/Offset Binary Output Code.
87	770-756-2-20-0	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	10 Bit W/Straight Binary Output Code.
88	770-756-2-20-1	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	10 Bit W/Ones Complement Output Code.
89	770-756-2-20-2	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	10 Bit W/Twos Complement Output Code.
90	770-756-2-20-3	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	10 Bit W/Offset Binary Output Code.
91	770-756-4-20-0	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	12 Bit W/Straight Binary Output Code.
92	770-756-4-20-1	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	12 Bit W/Ones Complement Output Code.
93	770-756-4-20-2	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	12 Bit W/Twos Complement Output Code.
94	770-756-4-20-3	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	12 Bit W/Offset Binary Output Code.
95	ZD460	1		PCB	2.4%	.70*	15	15	300m%	0	70	K0122	M301	8 Bit;Conv.Time 50us;Acc ±.20%.
96	ZD461	1		PCB	2.4%	.70*	15	15	300m%	0	70	K0122	M301	10 Bit;Conv.Time 100us;Acc ±.05%.
97	ZD462	1		PCB	2.4%	.70*	15	15	300m%	0	70	K0122a	M301	12 Bit;Conv.Time 200us;Acc ±0.01%.
98	ZD470	1		PCB	2.4%	.70*	15	15	300m%	0	70	K0122	M301	8 Bit;Conv.Time 15us;Acc ±0.2%.
99	ZD471	1		PCB	2.4%	.70*	15	15	300m%	0	70	K0122	M301	10 Bit;Conv.Time 30us;Acc ±0.05%.
100	ADCEH8B1	1		3DM	2.4%	.80*†	15	15	1.4	0	70	K0180	M490	8 Bit ADC;Conv Time 4us,Lin ±1/2LSB.
101	ADCEH8B2	1		3DM	2.4%	.80*†	15	15	1.4	0	70	K0180	M490	8 Bit ADC;Conv Time 2us,Lin ±1/2LSB.
102	ADCEH10B1	1		3DM	2.4%	.80*†	15	15	1.4	0	70	K0181	M490a	10 Bit ADC;Conv Time 4us,Lin ±1/2LSB.
103	ADCEH10B2	1		3DM	2.4%	.80*†	15	15	1.4	0	70	K0181	M490a	10 Bit ADC;Conv Time 2us,Lin ±1/2LSB.
104♦	ADCEH12B1	1		3DM	2.4%	.80*†	15	15	1.9	0	70	K0182	M492	12 Bit;8uSec;Tempco 30ppm/°C.
105♦	ADCEH12B2	1		3DM	2.4%	.80*†	15	15	1.9	0	70	K0182	M492	12 Bit;4uSec;Tempco 30ppm/°C.
106▼	ADCEH12B3	1		3DM	2.4%	.80*†	15	15	2.3	0	70		M490b	12 Bit;2uSec;Tempco 30ppm/°C.
107	ADCE12B	1	200	3DM	2.4	.80†	15	15	2.2 †	0	71	K0155	M413	12 BIN Bits;Vin ±1.0V to ±10V;Acc±.05% FS.
108	ADCE12D	1	200	3DM	2.4	.80†	15	15	2.2 †	0	71	K0155	M413	3 Dig.BCD;Vin 1.0V to ±10V;Acc .05% FS.
109	ADCE10B	1	800	3DM	2.4	.80†	15	15	2.2 †	0	71	K0155	M413	10 BIN Bits;Vin±1.0V to ±10V;Acc±.05% FS.
110	ADCE8D	1	2.0k	3DM	2.4	.80†	15	15	2.2 †	0	71	K0155	M413	2 Dig.BCD;Vin 1.0V to ±10V;Acc .05% FS.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	ADCE8B	1	3.2k	3DM	2.4	.80†	15	15	2.2 †	0	71	K0155	M413	8 BIN Bits;Vin ±1V to ±10VIAcc ±.05% of FS
2	ADC898B	1	5.0k	3DM	2.4	.80†	15	15	855mt	0	70	K0151a	M409	8 Bit BIN;Offset BIN;Vin 10Vpp;Acc ±.2%.
3	ADC898D	1	10k	3DM	2.4	.80†	15	15	855mt	0	70	K0151	M409	2 Digit BCD;Vin 10Vpp;Acc ±.2%.
4	ADCL12B	1	50k	3DM	2.4	.80†	15	15	2.5 †	0	70	K0160a	M412c	12 Bit BIN;Vin 10V;Acc .02%;TC ±.001%/°C.
5	ADCL12D	1	50k	3DM	2.4	.80†	15	15	2.5 †	0	70	K0160a	M412c	3 Dig.BCD;Vin 10V;Acc ±.02%;TC ±.001%/°C.
6	ADCL10B	1	62k	3DM	2.4	.80†	15	15	2.5 †	0	70	K0160a	M412c	10 Bit BIN;Vin 10V;Acc ±.02%;TC±.001%/°C.
7	ADCM12B	1	77k	3DM	2.4	.80†	15	15	2.5 †	0	70	K0160	M412c	12 Bit BIN;Vin 10V;Acc ±0.01%;TC ±10ppm/°C
8	ADCM12D	1	77k	3DM	2.4	.80†	15	15	2.5 †	0	70	K0160	M412c	3 Dig.BCD;Vin 10V;Acc ±0.01%;TC ±10ppm/°C.
9	ADCL8B	1	83k	3DM	2.4	.80†	15	15	2.5 †	0	70	K0160a	M417	8 Bit BIN;Vin 10V;Acc ±0.02%;TC±0.001%/°C.
10	ADCL8D	1	83k	3DM	2.4	.80†	15	15	2.5 †	0	70	K0160a	M412c	2 Dig.BCD;Vin 10V;Acc ±.02%;TC ±.001%/°C.
11	ADCM10B	1	87k	3DM	2.4	.80†	15	15	2.5 †	0	70	K0160	M412c	10 Bit BIN;Vin 10V;Acc ±0.01%;TC±10ppm/°C.
12	ADCM8B	1	244k	3DM	2.4	.80†	15	15	2.5 †	0	70	K0160	M417	8 Bit BIN;Vin 10V;Acc ±0.01%;TC ±10ppm/°C.
13	ADCM8D	1	244k	3DM	2.4	.80†	15	15	2.5 †	0	70	K0160	M412c	2 Dig.BCD;Vin 10V;Acc ±0.01%;TC ±10ppm/°C.
14	MN502	1	1.0MΔ	TFH	2.4%	.80*	15	15	900m§	0	70	K0126	M325	8 Bit;Vi 0.0V to-10V,±1/2Bit Linearity.
15	MN502H	1	1.0MΔ	TFH	2.4%	.80*	15	15	900m§	-55	125	K0126	M325	8 Bit;Vi 0.0V to -10V,±1/2Bit Linearity.
16	MN503	1	1.0MΔ	TFH	2.4%	.80*	15	15	900m§	0	70	K0126	M325	8 Bit,Vi 5.0V to-5.0V,±1/2Bit Linearity.
17	MN503H	1	1.0MΔ	TFH	2.4%	.80*	15	15	900m§	-55	125	K0126	M325	8 Bit;Vi 5.0V to-5.0V,±1/2Bit Linearity.
18	MN504	1	1.0MΔ	TFH	2.4%	.80*	15	15	900m§	0	70	K0126	M325	8 Bit;Vin 0 to 10V,±1/2 Bit max Linearity.
19	MN504H	1	1.0MΔ	TFH	2.4%	.80*	15	15	900m§	-55	125	K0126	M325	8 Bit;Vin 0 to 10V,±1/2 Bit max Linearity.
20	MN507	1	1.0MΔ	TFH	2.4%	.80*	15	15	900m§	0	70	K0126	M325	8 Bit;Vin ±10V;±1/2 Bit max Linearity.
21	MN507H	1	1.0MΔ	TFH	2.4%	.80*	15	15	900m§	-55	125	K0126	M325	8 Bit;Vin ±10V;±1/2 Bit max Linearity.
22	MN508	1	1.0MΔ	TFH	2.4%	.80*	12	12	720m§	0	70	K0126	M325	8 Bit;Vin 0 to -10V,±1/2 Bit max Linearity
23	MN508H	1	1.0MΔ	TFH	2.4%	.80*	12	12	720m§	-55	125	K0126	M325	8 Bit;Vin 0 to -10V,±1/2 Bit max Linearity
24	MN509	1	1.0MΔ	TFH	2.4%	.80*	12	12	720m§	0	70	K0126	M325	8 Bit;Vin ±5V,±1/2 Bit max Linearity.
25	MN509H	1	1.0MΔ	TFH	2.4%	.80*	12	12	720m§	-55	125	K0126	M325	8 Bit;Vin ±5V,±1/2 Bit max Linearity.
26	MN510	1	1.0MΔ	TFH	2.4%	.80*	15	15		0	70	K0126	M325	8 Bit ±1/2 Lin;Vin 0 to 10V;Fast Slew.
27	MN510H	1	1.0MΔ	TFH	2.4%	.80*	15	15		-55	125	K0126	M325	8 Bit ±1/2 Lin;Vin 0 to 10V;Fast Slew.
28	MN511	1	1.0MΔ	TFH	2.4%	.80*	15	15		0	70	K0126	M325	8 Bit ±1/2 Lin;Vin ±5V;Fast Slew.
29	MN511H	1	1.0MΔ	TFH	2.4%	.80*	15	15		-55	125	K0126	M325	8 Bit ±1/2 Lin;Vin ±5V;Fast Slew.
30▼	ADCEP14B5	1		3DM	2.5%	.40*†	15	15	1.0	0	70	K0190		14 Bit Binary;Conv Time 260ms.
31▼	ADCEP14B6	1		3DM	2.5%	.40*†	15	15	1.0	0	70	K0190		14 Bit Binary;Conv Time 230ms.
32▼	ADCEP16D5	1		3DM	2.5%	.40*†	15	15	1.0	0	70	K0190		4-1/2 Digit BCD;Conv Time 260ms.
33▼	ADCEP16D6	1		3DM	2.5%	.40*†	15	15	1.0	0	70	K0190		4-1/2 Digit BCD;Conv Time 230ms.
34	ADC590-2BCD	1		3DM	2.5	.50†	15	15	900m%	0	70		M304d	BCD;Conv. Time 200us max.
35	ADC590-8	1		3DM	2.5	.50†	15	15	900m%	0	70		M304d	Binary;Conv. Time 200uS max.
36	ADC591-8	1		3DM	2.5	.50	15	15		0	70	K0146	M302h	Acc .2%F.S.,Conv.Time 800nS/1uS max.
37	ADC591-10	1		3DM	2.5	.50	15	15	1.2 %	0	70	K0147	M302j	Stab ±0.05% F.S;Conv.Time 1.2uS max.
38	ADC591-12A	1		3DM	2.5	.50	15	15	1.1 %	0	70	K0148	M302j	Stab ±0.0125%;Conv.Time 3.5uS max.
39	ADC591-12C	1		3DM	2.5	.50	15	15	1.1 %	0	70	K0148	M302j	Stab ±0.05%;Conv.Time 3.0uS max.
40	ADC592-8	1		3DM	2.5	.50	15	15		0	70	K0146	M302h	Acc .2% F.S;Conv.Time 800nS/1uS max.
41	ADC592-10	1		3DM	2.5	.50	15	15	1.2 %	0	70	K0147	M302j	Stab ±0.05% F.S;Conv.Time 1.0uS max.
42♦	ADC540-8	1	200k	3DM	2.5	.50†	15	15	1.4 †	0	70	K0193	M304c	8Bit;Conv.Time 5us max.
43♦	ADC540WB8	1	330k	3DM	2.5	.50†	15	15	1.4 †	0	70	K0193	M304c	8Bit;Conv. Time 3us max.
44	MADC10-04	1		PCB	3.0%	0.0	15	15		15	50		CB37c	10 Bit ADC;16 Channel Multiplexer.
45	770-754-1-20-0	1	280k	3DM	3.0	0.0†	22	22	3.6	0	60		M☑	13 Bit W/Straight Binary Output Code.
46	770-754-1-20-1	1	280k	3DM	3.0	0.0†	22	22	3.6	0	60		M☑	13 Bit ones Complement Output Code.
47	770-754-1-20-2	1	280k	3DM	3.0	0.0†	22	22	3.6	0	60		M☑	13 Bit Twos Complement Output Code.
48	770-754-1-20-3	1	280k	3DM	3.0	0.0†	22	22	3.6	0	60		M☑	13 Bit Offset Binary Output Code.
49	770-754-1-20-4	1	280k	3DM	3.0	0.0†	22	22	3.6	0	60		M☑	13 Bit BCD Nines Complement Output Code.
50	MADC13	1	80k	PCB	3.0	.20*†	15	15					CB37c	13 Bit ADC.
51	MADC10	1	100k	PCB	3.0	.20*†	15	15					CB37c	10 Bit ADC.
52	AD7570JD	1		MOS	3.0%	.80*	10	15	10mt	0	75	K0175	M316b	8 Bit ADC;Conversion Time 20us.
53	AD7570LD	1		MOS	3.0%	.80*	10	15	10mt	0	75	K0175	M316b	10 Bit ADC;Conversion Time 20us.
54	MC1407L	1	320k☑	MON	4.0%	.50*†	0.0	15	485m	0	75	K0173	M200w	Analog-Dig Control Ckt.
55	MC1507L	1	320k☑	MON	4.0%	.50*†	0.0	15	385m	-55	125	K0173	M200w	Analog-Dig Control Ckt.
56	MC14435VL	1		MOS	4.9%	.01*†	0.0	5.0	1.7m%	-40	85	K0174	M200w	3.5 Digit A/D Logic Subsystem.
57	MC14435VP	1		MOS	4.9%	.01*†	0.0	5.0	1.7m%	-40	85	K0174	M117y	3.5 Digit A/D Logic Subsystem.
58	MN5060	1	130kΔ	TFH	9.0%	3.0*	0.0	12	102m§	0	70	K0144	M326	8 Bit CMOS;Vi-5 to 5V;Linearity±1/2LSB.
59	MN5060H	1	130kΔ	TFH	9.0%	3.0*	0.0	12	102m§	-55	125	K0144	M326	8 Bit CMOS;Vi-5 to 5V;Linearity±1/2LSB.
60	MC14435EFL	1		MOS	9.9%	.01*†	0.0	10	6.8m%	-55	125	K0174	M200w	3.5 Digit A/D Logic Subsystem.
61	MC14435EVL	1		MOS	9.9%	.01*†	0.0	10	6.8m%	-55	125	K0174	M200w	3.5 Digit A/D Logic Subsystem.
62	MC14435FL	1		MOS	9.9%	.01*†	0.0	10	6.8m%	-40	85	K0174	M200w	3.5 Digit A/D Logic Subsystem.
63	MC14435FP	1		MOS	9.9%	.01*†	0.0	10	6.8m%	-40	85	K0174	M117y	3.5 Digit A/D Logic Subsystem.
64	3751-4-6H	1	250k	MOS	-9.0%	-2.0*	30	0.0	190m	-55	150		M132	12 bit A/D converter.
65▼	ADC585-12	1		3DM	11.2%	2.8*	0.0	14	30m%	0	70	K0143	M384	12 Bit CMOS;Conv Time 100ms.
66▼	MN5065	1	90kΔ	TFH	11.9%	.05*	0.0	12	80m	0	70	K0144	M326d	8 Bit;Lin ±1/2 LSB;Acc ±2 LSB.
67▼	MN5065H	1	90kΔ	TFH	11.9%	.05*	0.0	12	80m	-55	125	K0144	M326d	8 Bit;Lin ±1/2 LSB;Acc ±2 LSB.
68▼	MN5066	1	90kΔ	TFH	11.9%	.05*	0.0	12	80m	0	70	K0144	M326d	8 Bit;Lin ±1/2 LSB;Acc ±2 LSB.
69▼	MN5066H	1	90kΔ	TFH	11.9%	.05*	0.0	12	80m	-55	125	K0144	M326d	8 Bit;Lin ±1/2 LSB;Acc ±2 LSB.
70	ADC1123	1		3DM	14.9%	.01*†	0.0	15	600u%	0	70	K0178	M482	10 Bit ADC;Conversion Time 75us.
71	ADC12QLJ	1		3DM	15%	0.0*	15	15	250m	-25	85		M366	12 bits;Temp.Stability±50ppm/°C max.
72	ADC12QLK	1		3DM	15%	0.0*	15	15	250m	-25	85		M366	12 bits;Temp.Stability ±20ppm/°C max.
73	ADH030-8	2					15	15		-55	85		M486	12 Bit Hybrid DAC;Current Lin ±.2%.
74	ADH030-10	2					15	15		-55	85		M486	12 Bit Hybrid DAC;Current Lin ±.05%.
75	BDAC1	2		3DM			15	15	2.0	-55	85	K0257	M211	13 bit;Acc. ±.002%;Vo ±10V;CMRR 60db min.
76	BDAC3	2		3DM			15	15	2.0	0	70	K0257	M211	13 bit;Acc. ±.002%;Vo ±10V;CMRR 60db min.
77	DAC10Z1	2		3DM			15	15		0	70	K02166	M483	10 Bit DAC;Settl Time 5us.
78	DAC10Z3	2		3DM			15	15		0	70	K02166	M483	10 Bit DAC;Settl Time 5us.
79	DAC12QZ-BCD	2		3DM			15	15	1.0 †	0	70	K02125	M368a	12 Bit;Linearity 1/2LSB.
80▼	DAC371-2BCD-LV	2		3DM			0.0	5.0	100m%			K02193	M285	8 Bit 2 Decades BCD;Acc vs Temp 300ppm/°C
81▼	DAC371-8LV	2		3DM			0.0	5.0	100m%			K02193	M285	8 Bit Binary;Acc vs Temp 300ppm/°C.
82	DAC1009BCD	2		3DM			15	15	540mt	0	70	K02128	M372	12 Bits;Set Time 4us;Lin ±1/2LSB.
83	DAC1009BIN	2		3DM			15	15	540mt	0	70	K02128	M372	12 Bits;Set Time 4us;Lin ±1/2LSB.
84	DAC2531	2					15	15		-55	125		M487	8 Bit DAC;Acc ±1/2LSB;Setl Time 600ns.
85	DDAC10-1	2		3DM			15	15	3.1 §	-55	85			Glitchless D/A Conv;Acc ±.05% of F.S.
86	DDAC10-3	2		3DM			15	15	3.1 §	0	70			Glitchless D/A Conv;Acc ±.05% of F.S.
87	DDAC11-1	2		3DM			15	15	3.1 §	-55	85			Glitchless D/A Conv;Acc ±.025% of F.S.
88	DDAC11-3	2		3DM			15	15	3.1 §	0	70			Glitchless D/A Conv;Acc ±.025% of F.S.
89	DDAC12-1	2		3DM			15	15	3.1 §	-55	85			Glitchless D/A Conv;Acc ±.0125% of F.S.
90	DDAC12-3	2		3DM			15	15	3.1 §	0	70			Glitchless D/A Conv;Acc ±.0125% of F.S.
91	DSC160551Z	2		3DM			15	15		0	70	K02168		Dig To Synchro Conv;14 bit;Acc ±30arc min
92	DSC160571Z	2		3DM			15	15		-55	85	K02168		Dig To Synchro Conv;14 bit;Acc ±30arc min
93	DSC160651Z	2		3DM			15	15		0	70	K02168		Dig To Synchro Conv;10 bit;Acc ±4arc min
94	DSC160671Z	2		3DM			15	15		-55	85	K02168		Dig To Synchro Conv;10 bit;Acc ±4arc min
95	DSC1605507	2		3DM			15	15		0	70	K02168		Dig To Synchro Conv;14 bit;Acc ±30arc min
96	DSC1605707	2		3DM			15	15		-55	85	K02168		Dig To Synchro Conv;14 bit;Acc ±30arc min
97	DSC1606707	2		3DM			15	15		-55	85	K02168		Dig To Synchro Conv;10 bit;Acc ±4arc min
98	DSC1607517	2		3DM			15	15		0	70			Dig To Synchro Conv;16 bit;Acc ±1arc min
99	DSC1607717	2		3DM			15	15		-55	85			Dig To Synchro Conv;16 bit;Acc ±1arc min
100	EDAC8-1	2		3DM			15	15	1.6	-55	85		M☑	8 Bit;VI ±15V;IC 70mA.
101	EDAC8-3	2		3DM			15	15	1.6	0	50		M☑	8 Bit;VI ±15V;IC 70mA.
102	EDAC9-1	2		3DM			15	15	1.6	-55	85		M☑	9 Bit;VI ±15V;IC 70mA.
103	EDAC9-3	2		3DM			15	15	1.6	0	50		M☑	9 Bit;VI ±15V;IC 70mA.
104	EDAC10-1	2		3DM			15	15	1.6	-55	85		M☑	10 Bit;VI ±15V;IC 70mA.
105	EDAC10-3	2		3DM			15	15	1.6	0	50		M☑	10 Bit;VI ±15V;IC 70mA.
106	EDAC11-1	2		3DM			15	15	1.6	-55	85		M☑	11 Bit;VI ±15V;IC 70mA.
107	EDAC11-3	2		3DM			15	15	1.6	0	50		M☑	11 Bit;VI ±15V;IC 70mA.
108	EDRC-L1	2		3DM			15	15	4.4 §	-55	125		M333	Dig. to Resolver Conv;Vo11.8Vrms at 400Hz
109	EDRC-L3	2		3DM			15	15	4.4 §	0	70		M333	Dig. to Resolver Conv;Vo11.8Vrms at 400Hz
110	EDSC6-1	2		3DM			15	15	4.4 §	-55	85		M332	Dig. to Synchro Conv;Vo 90Vrms at 50-60Hz

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	EDSC6-3	2		3DM			15	15	4.4 §	0	70		M332	Dig. to Synchro Conv;Vo 90Vrms at 50-60Hz
2	EDSC-H1	2		3DM			15	15	4.4 §	-55	125		M333	Dig. to Synchro Conv;Vo 90Vrms at 400Hz.
3	EDSC-H3	2		3DM			15	15	4.4 §	0	70		M333	Dig. to Synchro Conv;Vo 90Vrms at 400Hz.
4	EDSC-L1	2		3DM			15	15	4.4 §	-55	125		M333	Dig. to Synchro Conv;Vo 11.8Vrms at 400Hz
5	EDSC-L3	2		3DM			15	15	4.4 §	0	70		M333	Dig. to Synchro Conv;Vo 11.8Vrms at 400Hz
6	HDAC9-1	2		3DM			15	5.0	2.0	-55	85		M174	Fast settling 9-12 bit D/A conv;Acc.20%.
7	HDAC9-3	2		3DM			15	5.0	2.0	0	50		M174	Fast settling 9-12 bit D/A conv;Acc.20%.
8	HDAC10-1	2		3DM			15	5.0	2.0	-55	85		M174	Fast settling 9-12 bit D/A conv;Acc.10%.
9	HDAC10-3	2		3DM			15	5.0	2.0	0	50		M174	Fast settling 9-12 bit D/A conv;Acc.10%.
10	HDAC11-1	2		3DM			15	5.0	2.0	-55	85		M174	Fast settling 9-12 bit D/A conv.ACC.05%.
11	HDAC11-3	2		3DM			15	5.0	2.0	0	50		M174	Fast settling 9-12 bit D/A conv;Acc.05%.
12	HDAC12-1	2		3DM			15	5.0	2.0	-55	85		M174	Fast settling 9-12 bit D/A conv;Acc.025%.
13	HDAC12-3	2		3DM			15	5.0	2.0	0	50		M174	Fast settling 9-12 bit D/A conv;Acc.025%.
14	MDA10Z25	2		3DM			15	15		0	70	K02166	M483	10 bit DAC;Settl Time to 5LSB,300ns.
15	MDA10Z110	2		3DM			15	15		0	70	K02166	M483	10 bit DAC;Settl Time to 5LSB,300ns.
16	MDRC-H1	2		3DM			15	15	1.3 †	-55	85	K02118	M336	Dig to Resolver Conv;Vi 115Vrms at 400Hz.
17	MDRC-H3	2		3DM			15	15	1.3 †	0	70	K02118	M336	Dig to Resolver Conv;Vi 115Vrms at 400Hz.
18	MDRC-L1	2		3DM			15	15	1.3 †	-55	85	K02118	M336	Dig to Resolver Conv;Vi 26Vrms at 400Hz.
19	MDRC-L3	2		3DM			15	15	1.3 †	0	70	K02118	M336	Dig to Resolver Conv;Vi 26Vrms at 400Hz.
20	MEM2009	2		MOS					150mΔ	-50	125	K3066	TO87	P-Ch Mx;Vgst-6.0V max;Id(on)-6.0mA.
21	MEM2017	2		MOS					50mΔ	-50	125	K3066	TO87	P-Ch Mx;Vgst-6.0V max;Id(on)-3.0mA.
22▼	MN411	2		TFH			15	15	600m	0	70		M525	9 Bit Multiplying;Lin ±1/2LSB.
23▼	MN411H	2		TFH			15	15	600m	-55	125		M525	9 Bit Multiplying;Lin ±1/2LSB.
24	NDAC8-1	2		3DM			15	15	6.6 †	-55	125		M322	8 Bits;Acc .20%;Settling time 50us.
25	NDAC8-3	2		3DM			15	15	6.6 †	0	70		M322	8 Bits;Acc .20%;Settling time 50us.
26	NDAC10-1	2		3DM			15	15	6.6 †	-55	125		M322	10 Bits;Acc .05%;Settling time 75us.
27	NDAC10-3	2		3DM			15	15	6.6 †	0	70		M322	10 Bits;Acc .05%;Settling time 75us.
28	SCDX162351Z	2		3DM			15	15	1.6 †	0	70	K02169		Control Diff Transmitter;Acc ±4arc min.
29	SCDX162361Z	2		3DM			15	15	1.6 †	-55	105	K02169		Control Diff Transmitter;Acc ±4arc min.
30	SCDX1623507	2		3DM			15	15	1.6 †	0	70	K02169		Control Diff Transmitter;Acc ±4arc min
31	SCDX1623607	2		3DM			15	15	1.6 †	-55	105	K02169		Control Diff Transmitter;Acc ±4arc min
32	SDAC10-1	2		3DM			15	15	1.2 †	-55	85			13 Bits;Vo ±2.5V,5V,10V;Acc ±.05% FS.
33	SDAC10-3	2		3DM			15	15	1.2 †	0	70			13 Bits;Vo ±2.5V,5V,10V;Acc ±.05% FS.
34	SDAC11-1	2		3DM			15	15	1.2 †	-55	85			13 Bits;Vo ±2.5V,5V,10V;Acc ±.025% FS.
35	SDAC11-3	2		3DM			15	15	1.2 †	0	70			13 Bits;Vo ±2.5V,5V,10V;Acc ±.025% FS.
36	SDAC12-1	2		3DM			15	15	1.2 †	-55	85			13 Bits;Vo ±2.5V,5V,10V;Acc ±.0125% FS.
37	SDAC12-3	2		3DM			15	15	1.2 †	0	70			13 Bits;Vo ±2.5V,5V,10V;Acc ±.0125% FS.
38	SSCT162151Z	2		3DM			15	15	1.3 †	0	70	K02170		DAC;14 Bit Control Transformer;Vo 5Vrms.
39	SSCT162161Z	2		3DM			15	15	1.3 †	-55	105	K02170		DAC;14 Bit Control Transformer;Vo 5Vrms.
40	SSCT1621507	2		3DM			15	15	1.3 †	0	70	K02170		DAC;14 Bit Control Transformer;Vo 5Vrms.
41	SSCT1621607	2		3DM			15	15	1.3 †	-55	105	K02170		DAC;14 Bit Control Transformer;Vo 5Vrms.
42	TDSC6-6	2		PCB			28	28		0	70	K02172	M485	Dig to Synchro Conv;Vo 90VL-L,60Hz.
43	TDSC6-20	2		PCB			28	28		0	70	K02172	M485	Dig to Synchro Conv;to 3 Torque Recvr.
44	TDSCH-6	2		PCB			28	28		0	70	K02172	M485	Dig to Synchro Conv;Vo 90VL-L,400Hz.
45	TDSCH-20	2		PCB			28	28		0	70	K02172	M485	Dig to Synchro Conv;to 3 Torque Recvr.
46	TDSCL-6	2		PCB			28	28		0	70	K02172	M485	Dig to Synchro Conv;Vo 11.8VL-L,400Hz.
47	TDSCL-20	2		PCB			28	28		0	70	K02172	M485	Dig to Synchro Conv;to 3 Torque Recvr.
48	UDAC9-1	2		3DM			15	15	1.5	-55	85		MØ	9 Bit;VI ±15V;Ic 70mA.
49	UDAC9-3	2		3DM			15	15	1.5	0	50		MØ	9 Bit;VI ±15V;Ic 70mA.
50	ZD354M1	2		3DM			15	15	975m	0	70		M300	14Bit;.025%linearity 1.0us Settling Time.
51	ZD354M2	2		3DM			15	15	975m	0	70		M300	14Bit;.005%Lin. 1.0us Settling Time.
52	ZD364M1	2		3DM			15	15	975m	0	70		M300	14Bit;0.0025% Linearity 30us Settling.
53	ZD364M2	2		3DM			15	15	975m	0	70		M300	14Bit;.005% Linearity 30us Settling Time.
54	ZD374M1	2		3DM			15	15	975m	0	70		M300	14Bit;.025% Linearity 50us Settling Time.
55	ZD374M2	2		3DM			15	15	975m	0	70		M300	14Bit;.005% Linearity 50us Settling Time.
56	ZD384M1	2		3DM			15	15	975m	0	70		M300	14Bit;.025% Linearity 2.0us Settling Time.
57	ZD384M2	2		3DM			15	15	975m	0	70		M300	14Bit;.005% Linearity 5.0us Settling Time.
58	ZD394M1	2		3DM			15	15	975m	0	70		M300	14Bit;.025% Linearity 3.0us Settling Time.
59	ZD394M2	2		3DM			15	15	975m	0	70		M300	14Bit;.005% Linearity 3.0us Settling Time.
60	ZD442	2		3DM			15	15	525m	0	70	K0270	M300	12Bits;5.0us Settling Time;V00 To 10V.
61	ADAC1	2	400	3DM			15	15	900m†	-55	85	K02117	M173	13 Bit Binary AC;Acc ±.006% of F.S.
62	ADAC1BCD	2	400	3DM			15	15	1.6 †	0	50	K02117	M331	13 Bit BCDAC;Acc ±1.0mV% of F.S.
63	ADAC3	2	400	3DM			15	15	900m†	0	70	K02117	M173	13 Bit Binary AC;Acc ±.006% of F.S.
64	ADAC3BCD	2	400	3DM			15	15	1.6 †	0	50	K02117	M331	13 Bit BCDAC;Acc ±1.0mV% of F.S.
65	770-712-80	2	100k	3DM			0.0	22		0	50		MØ	8 Bit D/A Converter.
66	770-712-120	2	100k	3DM			0.0	22		0	50		MØ	12Bit D/A Conv. Also 9-11 Bits.
67	MDAC1	2	500k	3DM			15	15	1.0	-55	85		M289	12 Bit;Binary, 1 com, 2 com, offset bin.
68	MDAC2	2	500k	3DM			15	15		-25	70		M289	12 Bit;Binary, 1 com, 2 com, offset bin.
69	MDAC3	2	500k	3DM			15	15		0	50		M289	12 Bit;Binary, 1 com, 2 com, offset bin.
70	UDAC11-1	2	1.0MØ%	3DM			15	15	1.3 †	-55	85		M321	14 Bits;Acc .02%;Settling time 10us max.
71	UDAC11-3	2	1.0MØ%	3DM			15	15	1.3 †	0	70		M321	14 Bits;Acc .02%;Settling time 10us max.
72	UDAC12-1	2	1.0MØ%	3DM			15	15	1.3 †	-55	85		M321	14 Bits;Acc .012%;Settling time 10us max.
73	UDAC12-3	2	1.0MØ%	3DM			15	15	1.3 †	0	70		M321	14 Bits;Acc .012%;Settling time 10us max.
74	UDAC13-1	2	1.0MØ%	3DM			15	15	1.3 †	-55	85		M321	14 Bits;Acc .006%;Settling time 10us max.
75	UDAC13-3	2	1.0MØ%	3DM			15	15	1.3 †	0	70		M321	14 Bits;Acc .006%;Settling time 10us max.
76	UDAC14-1	2	1.0MØ%	3DM			15	15	1.3 †	-55	85		M321a	14 Bits;Acc .003%;Settling time 10us max.
77	UDAC14-3	2	1.0MØ%	3DM			15	15	1.3 †	0	70		M321a	14 Bits;Acc .003%;Settling time 10us max.
78	RDAC10-1	2	2.0MØ%	3DM			15	15	2.2 †	-55	85		M321	13 Bits;Acc .05%;Settling time 4.0us max.
79	RDAC10-2	2	2.0MØ%	3DM			15	15	2.2 †	-25	70		M321	13 Bits;Acc .05%;Settling time 4.0us max.
80	RDAC11-1	2	2.0MØ%	3DM			15	15	2.2 †	-55	85		M321	13 Bits;Acc .025%;Settling time 4.0us max
81	RDAC11-2	2	2.0MØ%	3DM			15	15	2.2 †	-25	70		M321	13 Bits;Acc .025%;Settling time 4.0us max
82	RDAC12-1	2	2.0MØ%	3DM			15	15	2.2 †	-55	85		M321	13 Bits;Acc .012%;Settling time 4.0us max.
83	RDAC12-2	2	2.0MØ%	3DM			15	15	2.2 †	-25	70		M321	13 Bits;Acc .012%;Settling time 4.0us max.
84▼	DACIC8BC	2	3.3M	MON			5.0	5.0	175m	0	70		MØ	8 Bit;Tempco 20ppm/°C.
85▼	DACIC8BM	2	3.3M	MON			5.0	5.0	175m	-55	125		MØ	8 Bit;Tempco 20ppm/°C.
86	DACHR13B	2		3DM	0.0%	5.5*	15	15	975m%	0	70	K02150	M427	13 BIN Bits;Io 2.0mA;TC 1.5ppm/°C.
87	DACHR14B	2		3DM	0.0%	5.5*	15	15	975m%	0	70	K02150	M427	14 BIN Bits;Io 2.0mA;TC 1.5ppm/°C.
88	DACHR15B	2		3DM	0.0%	5.5*	15	15	975m%	0	70	K02150	M427	15 BIN Bits;Io 2.0mA;TC 1.5ppm/°C.
89	DACHR16B	2		3DM	0.0%	5.5*	15	15	975m%	0	70	K02150	M427	16 BIN Bits;Io 2.0mA;TC 1.5ppm/°C.
90	SH8090FM	2	100kΔ	MOH	0.0%	-30*	5.0	0.0	300m	-20	85	K02120	FP102	MOS;8 and 10-Bit Data Lengths.
91♦	MLA4	2	100k	PCB	.20	12	12	12	720m	0	70	K0223	CB53	One 4 Bit Ladder Adder.
92	6430	2		PCB	.40*	2.4%	15	15	2.0	0	70	K0279b	CB62a	10 Bit;Acc .05%;tc 50PPM/°C
93	6432	2		PCB	.40*	2.4%	15	15	2.0	0	70	K0279a	CB62a	12 Bit;Acc .012%;tc 10PPM/°C
94	6433	2		PCB	.40*	2.4%	15	15	2.0	0	70	K0279	CB62a	13 Bits;Acc .012%;tc 10PPM/°C
95	6433A	2		PCB	.40*	2.4%	15	15	2.0	0	70	K0279	CB62a	13 Bit;Acc .025%;tc 20PPM/°C
96	MN301	2		TFH	.80*	2.0%	15	15	400m§	0	70	K0261	M244	6 Bit;Vo 0.0 to -10V,or 5.0 to -5.0V F.S.
97	MN301H	2		TFH	.80*	2.0%	15	15	400m§	-55	125	K0261	M244	6 Bit;Vo 0.0 to -10V,or 5.0 to -5.0V F.S.
98	CDAS1	2		MOH	1.8%	.45*	15	0.0		-55	125		CN66	8Bit D/A Ladder switching network.
99	CDAS1A	2		MOH	1.8%	.45*	15	0.0		-55	125		CN66	CDAS1 with additional feedback resistance.
100	MN3008	2		TFH	2.0%	.40*	15	15	750m§	0	70		M386	8 Bit;Vo 0.0V to 4.0V F.S.;Int Ref.
101	MN3008H	2		TFH	2.0%	.40*	15	15	750m§	-55	125		M386	8 Bit;Vo 0.0V to 4.0V F.S.;Int Ref.
102	845B5	2		MOH	2.0%	.50*	15	15	1.1	-20	85	K0256	M195	8 Bit D/A Conv;Full Scale Range - 5 to 5V.
103	845B10	2		MOH	2.0%	.50*	15	15	1.1	-20	85	K0256	M195	8 Bit D/A Conv;Full Scale Range-10 to 10V.
104	845U5	2		MOH	2.0%	.50*	15	15	1.1	-20	85	K0256	M195	8 Bit D/A Conv;Full Scale Range - 0 to 5V.
105	845U10	2		MOH	2.0%	.50*	15	15	1.1	-20	85	K0256	M195	8 Bit D/A Conv;Full Scale Range - 0 to 10V
106▼	848B5	2		MON	2.0%	.50*	15	15	1.1	-55	125	K02142	M196c	11 Bit Bin;Vo ±5V;Acc ±.25%;TC ±20ppm/°C.
107	848B5D1	2		MON	2.0%	.50*	15	15	1.1	-55	125	K02142	M196	11 Bit BIN;Vo ±10V;Acc ±.05%;TC ±20ppm/°C.
108▼	848B10	2		MON	2.0%	.50*	15	15	1.1	-55	125	K02142	M196c	11 Bit Bin;Vo ±10V;Acc ±.25%;TC ±20ppm/°C.
109	848B10D1	2		MON	2.0%	.50*	15	15	1.1	-55	125	K02142	M196	11 Bit BIN;Vo ±10V;Acc ±.05%;TC ±20ppm/°C.
110▼	848U10	2		MON	2.0%	.50*	15	15	1.1	-55	125	K02142	M196c	11 Bit Bin;Vo 0-10V;Acc ±.25%;TC ±20ppm/°C

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	848U10D1	2		MON	2.0%	.50*	15	15	1.1	-55	125	K02142	M196	11 Bit BIN;Vo ±10V;Acc ±.05%;TC ±20ppm/°C.
2	DAC380-3BCD	2		3DM	2.0%	0.5	15	15	1.1 †	-25	85	K02163	M465	BCD;Acc 60ppm/°C;Lin 25ppm/°C.
3	DAC380-10	2		3DM	2.0%	0.5	15	15	1.1 †	25	85	K02163	M465	BIN;Lin ±0.05%.
4	DAC380-11	2		3DM	2.0%	0.5	15	15	1.1 †	25	85	K02163	M465	BIN;Lin ±.025%.
5	DAC380-12	2		3DM	2.0%	0.5	15	15	1.1 †	25	85	K02163	M465	BIN;Lin ±.015%.
6▼	DAC1125	2		3DM	2.0%	.70*	15	15	405m%	0	70	K02185	M431	12 Bit;Tempco 10ppm/°C max.
7♦	MN3860	2		TFH	2.0%	.70*	15	15	675m†	0	70	K02188a	M387	12 Bit;w Register;Vo ±10,±5,0 to 10V.
8▼	MN3860E	2		TFH	2.0%	.70*	15	15	675m	-25	85	K02188a		12 Bit;w Register;Vo ±10,±5,0 to 10V.
9♦	MN3860H	2		TFH	2.0%	.70*	15	15	675m†	-55	125	K02188a	M387	12 Bit;w Register;Vo ±10,±5,0 to 10V.
10	1501CP1	2		MOS	2.0%	.80*	15	20		-55	125	K02143	M404	Quad Current Switch;Vin 20V p-p.
11	1501CP2	2		MOS	2.0%	.80*	15	20		-55	125	K02143	M404	Quad Current Switch;Vin 20V p-p.
12	1501CP3	2		MOS	2.0%	.80*	15	20		-55	125	K02143	M404	Quad Current Switch;Vin 20V p-p.
13	1501MD1	2		MOS	2.0%	.80*	15	20		0	70	K02143	M403	Quad Current Switch;Vin 20V p-p.
14	1501MD2	2		MOS	2.0%	.80*	15	20		0	70	K02143	M403	Quad Current Switch;Vin 20Vp-p.
15	1501MD3	2		MOS	2.0%	.80*	15	20		0	70	K02143	M403	Quad Current Switch;Vin 20V p-p.
16	4015	2		3DM	2.0%	.80*	15	15	4.5 §	0	70		MØ	12 Bits;Linear ±1/2LSB max;TC±10ppm/°Cmax
17	4016	2		3DM	2.0%	.80*	15	15	4.5 §	0	70		MØ	13 Bits;Linear±1/2LSB max;TC ±10ppm/°C max
18	4020	2		3DM	2.0%	.80*	15	15	450m§	0	70		MØ	8 Bits;Linear ±1/2LSB max;TC±4.0ppm/°Cmax
19	4021	2		3DM	2.0%	.80*	15	15	600m§	0	70		MØ	8 Bits;Linear ±1/2LSB max;TC±20ppm/°C max
20	4022	2		3DM	2.0%	.80*	15	15	450m§	0	70		MØ	10 Bits;Linear ±1/2LSB max;TC±4.0ppm/°Cmax
21	4023	2		3DM	2.0%	.80*	15	15	600m§	0	70		MØ	10 Bits;Linear ±1/2LSB max;TC±20ppm/°C max
22	4024	2		3DM	2.0%	.80*	15	15	450m§	0	70		MØ	12 Bits;Linear ±1/2LSB max;TC±4.0ppm/°Cmax
23	4025	2		3DM	2.0%	.80*	15	15	750m§	0	70		MØ	12 Bits;Linear ±1/2LSB max;TC±20ppm/°C max
24	4026	2		3DM	2.0%	.80*	15	15	450m§	0	70		MØ	12 Bits;Linear ±1/2LSB max;TC±4.0ppm/°Cmax
25	4027	2		3DM	2.0%	.80*	15	15	750m§	0	70		MØ	12 Bits;Linear ±1/2LSB max;TC±20ppm/°C max
26	4028	2		3DM	2.0%	.80*	15	15	750m§	0	70		MØ	8 Bits;Linear ±1/2LSB;Zero TC±25ppm/°Cmax
27	4029	2		3DM	2.0%	.80*	15	15	750m§	0	70		MØ	10 Bits;Linear ±1/2LSB;Zero TC±25ppm/°Cmax
28▼	4039QZ	2		3DM	2.0%	.80*	15	15	1.0	0	70		M368	12 Bits;Lin ±1/2 LSB max;Conv Speed 5us.
29▼	4060	2		3DM	2.0%	.80*	15	15	1.4	0	70	K02189		8 Bits;Lin ±1/2 LSB max;Set Time 40ns.
30▼	4061	2		3DM	2.0%	.80*	15	15	1.4	0	70	K02189		10 Bit;Lin ±1/2 LSB max;Set Time 60ns.
31▼	4070	2		3DM	2.0%	.80*	15	15	1.5 %	0	70			8 Bits Multiplying DAC.
32▼	4071	2		3DM	2.0%	.80*	15	15	1.5 %	0	70			10 Bits Multiplying DAC.
33▼	4072	2		3DM	2.0%	.80*	15	15	1.5 %	0	70			12 Bits Multiplying DAC.
34	A862-12	2		3DM	2.0%	.80*	15	15	1.2 §	0	60		M502	12-Bit;Current or Voltage Output.
35	AD550JD	2		MON	2.0%	.80*	15	5.0	210m	0	70	K02103	TO116	Quad Current Switch;Nonlinearity 1.0% max.
36	AD550JF	2		MON	2.0%	.80*	15	5.0	210m	0	70	K02103	TO87	Quad Current Switch;Nonlinearity 1.0% max.
37	AD550KD	2		MON	2.0%	.80*	15	5.0	210m	0	70	K02103	TO116	Quad Current Switch;Nonlinearity .10% max.
38	AD550KF	2		MON	2.0%	.80*	15	5.0	210m	0	70	K02103	TO87	Quad Current Switch;Nonlinearity .10% max.
39	AD550LD	2		MON	2.0%	.80*	15	5.0	210m	0	70	K02103	TO116	Quad Current Switch;Nonlinearity .01% max.
40	AD550LF	2		MON	2.0%	.80*	15	5.0	210m	0	70	K02103	TO87	Quad Current Switch;Nonlinearity .01% max.
41	AD550SD	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02103	TO116	Quad Current Switch;Nonlinearity 1.0% max.
42	AD550SF	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02103	TO87	Quad Current Switch;Nonlinearity 1.0% max.
43	AD550TD	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02103	TO116	Quad Current Switch;Nonlinearity .10% max.
44	AD550TF	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02103	TO87	Quad Current Switch;Nonlinearity .10% max.
45	AD550UD	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02103	TO116	Quad Current Switch;Nonlinearity .01% max.
46	AD550UF	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02103	TO87	Quad Current Switch;Nonlinearity .01% max.
47	AD553J	2		MON	2.0%	.80*	15	5.0	210m†	0	70	K02171	TO116	Quad Current Switch for use in DAC.
48	AD553K	2		MON	2.0%	.80*	15	5.0	210m†	0	70	K02171	TO116	Quad Current Switch for use in DAC.
49	AD553L	2		MON	2.0%	.80*	15	5.0	210m†	0	70	K02171	TO116	Quad Current Switch for use in DAC.
50	AD553S	2		MON	2.0%	.80*	15	5.0	210m†	-55	125	K02171	TO116	Quad Current Switch for use in DAC.
51	AD553T	2		MON	2.0%	.80*	15	5.0	210m†	-55	125	K02171	TO116	Quad Current Switch for use in DAC.
52	AD553U	2		MON	2.0%	.80*	15	5.0	210m†	-55	125	K02171	TO116	Quad Current Switch for use in DAC.
53	AD555JD	2		MON	2.0%	.80*	4.0	15	200m	0	70	K0258	TO116	Quad Voltage Switch;Max Offset 10mV max.
54	AD555JF	2		MON	2.0%	.80*	4.0	15	200m	0	70	K0258	TO87	Quad Voltage Switch;Max Offset 10mV max.
55	AD555KD	2		MON	2.0%	.80*	4.0	15	200m	0	70	K0258	TO116	Quad Voltage Switch;Max Offset 3.0mV max.
56	AD555KF	2		MON	2.0%	.80*	4.0	15	200m	0	70	K0258	TO87	Quad Voltage Switch;Max Offset 3.0mV max.
57	AD555LD	2		MON	2.0%	.80*	4.0	15	200m	0	70	K0258	TO116	Quad Voltage Switch;Max Offset 2.0mV max.
58	AD555LF	2		MON	2.0%	.80*	4.0	15	200m	0	70	K0258	TO87	Quad Voltage SW;Offset Voltage 2.0mV max.
59	AD555SD	2		MON	2.0%	.80*	4.0	15	200m	-55	125	K0258	TO116	Quad Voltage SW;Offset Voltage 10mV max.
60	AD555SF	2		MON	2.0%	.80*	4.0	15	200m	-55	125	K0258	TO87	Quad Voltage SW;Offset Voltage 10mV max.
61	AD555TD	2		MON	2.0%	.80*	4.0	15	200m	-55	125	K0258	TO116	Quad Voltage SW;Offset Voltage 3.0mV max.
62	AD555TF	2		MON	2.0%	.80*	4.0	15	200m	-55	125	K0258	TO87	Quad Voltage SW;Offset Voltage 3.0mV max.
63	AD555UD	2		MON	2.0%	.80*	4.0	15	200m	-55	125	K0258	TO116	Quad Voltage SW;Offset Voltage 2.0mV max.
64	AD555UF	2		MON	2.0%	.80*	4.0	15	200m	-55	125	K0258	TO87	Quad Voltage SW;Offset Voltage 2.0mV max.
65	AD559KD-BIN	2		MON	2.0%	.80*	15	5.0	700m§	0	70	K02165	M148f	8 Bit D/A Conv;Accuracy .5LSB max.
66	AD559SD-BIN	2		MON	2.0%	.80*	15	5.0	700m§	-55	125	K02165	M148f	8 Bit D/A Conv;Accuracy .5LSB max.
67	AD562AD-BCD	2		MON	2.0	.80	0.0	10		-25	85	K02140	M401	12-Bit Acc (±1/2LSB);TC 1ppm/°C max.
68	AD562AD-BIN	2		MON	2.0	.80	0.0	10		-25	85	K02140	M401	12-Bit Acc (±1/2LSB);TC 1ppm/°C max.
69	AD562KD-BCD	2		MON	2.0	.80	0.0	10		-55	125	K02140	M401	12-Bit Acc (±1/2LSB);TC 1ppm/°C max.
70	AD562KD-BIN	2		MON	2.0	.80	0.0	10		0	70	K02140	M401	12-Bit Acc (±1/2LSB);TC 1ppm/°C max.
71	AD562SD-BCD	2		MON	2.0	.80	0.0	10		-55	125	K02140	M401	12-Bit(±1/10LSB);TC 2ppm/°C max.
72	AD562SD-BIN	2		MON	2.0	.80	0.0	10		-55	125	K02140	M401	12-Bit(±1/4LSB);TC 2ppm/°C max.
73▼	AD563JD-BCD	2		MON	2.0%	.80*	15	15	690m	0	70		M401	12 Bit;Tempco 2ppm of FS/°C.
74▼	AD563JD-BIN	2		MON	2.0%	.80*	15	15	690m	0	70		M401	12 Bit;Tempco 2ppm of FS/°C.
75▼	AD563KD-BCD	2		MON	2.0%	.80*	15	15	690m	0	70		M401	12 Bit;Tempco 2ppm of FS/°C.
76▼	AD563KD-BIN	2		MON	2.0%	.80*	15	15	690m	0	70		M401	12 Bit;Tempco 2ppm of FS/°C.
77▼	AD563SD-BCD	2		MON	2.0%	.80*	15	15	690m	-55	125		M401	12 Bit;Tempco 2ppm of FS/°C.
78▼	AD563SD-BIN	2		MON	2.0%	.80*	15	15	690m	-55	125		M401	12 Bit;Tempco 2ppm of FS/°C.
79▼	AD563TD-BCD	2		MON	2.0%	.80*	15	15	690m	-55	125		M401	12 Bit;Tempco 2ppm of FS/°C.
80▼	AD563TD-BIN	2		MON	2.0%	.80*	15	15	690m	-55	125		M401	12 Bit;Tempco 2ppm of FS/°C.
81▼	DAC02ACU1	2		MON	2.0%	.80*	15	15	300m	0	70	K02105	M315	10 Bit Plus Sign;FS Tempco 60ppm/°C max
82▼	DAC02ACU2	2		MON	2.0%	.80*	15	15	300m	0	70	K02105	M315	10 Bit Plus Sign;FS Tempco 60ppm/°C max
83▼	DAC02BCU1	2		MON	2.0%	.80*	15	15	300m	0	70	K02105	M315	9 Bit Plus Sign;FS Tempco 60ppm/°C max
84▼	DAC02BCU2	2		MON	2.0%	.80*	15	15	300m	0	70	K02105	M315	9 Bit Plus Sign;FS Tempco 60ppm/°C max
85▼	DAC02CCU1	2		MON	2.0%	.80*	15	15	300m	0	70	K02105	M315	8 Bit Plus Sign;FS Tempco 60ppm/°C max
86▼	DAC02CCU2	2		MON	2.0%	.80*	15	15	300m	0	70	K02105	M315	8 Bit Plus Sign;FS Tempco 60ppm/°C max
87▼	DAC02DDU1	2		MON	2.0%	.80*	15	15	350m	0	70	K02105	M315	7 Bit Plus Sign;FS Tempco 60ppm/°C max
88▼	DAC02DDU2	2		MON	2.0%	.80*	15	15	350m	0	70	K02105	M315	7 Bit Plus Sign;FS Tempco 60ppm/°C max
89▼	DAC03ADU1	2		MON	2.0%	.80*	15	15	500m	0	70	K02181	M315	10 Bit;FS Tempco 60ppm/°C.
90▼	DAC03ADU2	2		MON	2.0%	.80*	15	15	500m	0	70	K02181	M315	10 Bit;FS Tempco 60ppm/°C.
91▼	DAC03BDU1	2		MON	2.0%	.80*	15	15	500m	0	70	K02181	M315	9 Bit;FS Tempco 60ppm/°C.
92▼	DAC03BDU2	2		MON	2.0%	.80*	15	15	500m	0	70	K02181	M315	9 Bit;FS Tempco 60ppm/°C.
93▼	DAC03CDU1	2		MON	2.0%	.80*	15	15	500m	0	70	K02181	M315	8 Bit;FS Tempco 60ppm/°C.
94▼	DAC03CDU2	2		MON	2.0%	.80*	15	15	500m	0	70	K02181	M315	8 Bit;FS Tempco 60ppm/°C.
95▼	DAC03DDU1	2		MON	2.0%	.80*	15	15	500m	0	70	K02181	M315	7 Bit;FS Tempco 60ppm/°C.
96▼	DAC03DDU2	2		MON	2.0%	.80*	15	15	500m	0	70	K02181	M315	7 Bit;FS Tempco 60ppm/°C.
97▼	DAC04ACU2	2		MON	2.0%	.80*	15	15	500m	0	70	K02106	M315	10 Bit;FS Tempco 60ppm/°C.
98▼	DAC04ADU2	2		MON	2.0%	.80*	15	15	500m	0	70	K02106	M315	10 Bit;FS Tempco 150ppm/°C.
99▼	DAC04BCU2	2		MON	2.0%	.80*	15	15	500m	0	70	K02106	M315	9 Bit;FS Tempco 60ppm/°C.
100▼	DAC04BDU2	2		MON	2.0%	.80*	15	15	500m	0	70	K02106	M315	9 Bit;FS Tempco 150ppm/°C.
101▼	DAC04CCU2	2		MON	2.0%	.80*	15	15	500m	0	70	K02106	M315	8 Bit;FS Tempco 60ppm/°C.
102▼	DAC04CDU2	2		MON	2.0%	.80*	15	15	500m	0	70	K02106	M315	8 Bit;FS Tempco 150ppm/°C.
103▼	DAC04DCU2	2		MON	2.0%	.80*	15	15	500m	0	70	K02106	M315	7 Bit;FS Tempco 60ppm/°C.
104▼	DAC04DDU2	2		MON	2.0%	.80*	15	15	500m	0	70	K02106	M315	7 Bit;FS Tempco 150ppm/°C.
105▼	DAC08AZ	2		MON	2.0%	.80*	15	15	500m	-55	125	K02182	M210d	8 Bit;FS Tempco 50ppm/°C max.
106▼	DAC08CZ	2		MON	2.0%	.80*	15	15	500m	0	70	K02182	M210d	8 Bit;FS Tempco 10ppm/°C typ.
107▼	DAC08EZ	2		MON	2.0%	.80*	15	15	500m	0	70	K02182	M210d	8 Bit;FS Tempco 10ppm/°C typ.
108▼	DAC08Z	2		MON	2.0%	.80*	15	15	500m	-55	125	K02182	M210d	8 Bit;FS Tempco 10ppm/°C typ.
109	DAC8QMET	2		3DM	2.0%	.80*	15	15	1.5 †	-55	125	K02127	M370	8 bits;Conv.Speed 5.0us;SR 20/Vus.
110	DAC8QMSN	2		3DM	2.0%	.80*	15	15	1.5 †	0	70	K02127	M370	8 bits;Conv.Speed 5.0us;SR 20/Vus.

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	DAC8QSET	2		3DM	2.0%	.80*	15	15	1.0 †	-55	125	K02127a	M371	8 bits;Conv.Speed 5.0us;SR 20/Vus.
2	DAC8QSSN	2		3DM	2.0%	.80*	15	15	1.0 †	0	70	K02127a	M371	8 bits;Conv.Speed 5.0us;SR 20/Vus.
3	DAC10QMET	2		3DM	2.0%	.80*	15	15	1.5 †	-55	125	K02127	M370	10 bits;Conv.Speed 5.0us;SR 20/Vus.
4	DAC10QMSN	2		3DM	2.0%	.80*	15	15	1.5 †	0	70	K02127	M370	10 bits;Conv.Speed 5.0us;SR 20/Vus.
5	DAC10QSET	2		3DM	2.0%	.80*	15	15	1.0 †	-55	125	K02127a	M371	10 bits;Conv.Speed 5.0us;SR 20/Vus.
6	DAC10QSSN	2		3DM	2.0%	.80*	15	15	1.0 †	0	70	K02127a	M371	10 bits;Conv.Speed 5.0us;SR 20/Vus.
7	DAC12QMET	2		3DM	2.0%	.80*	15	15	1.5 †	-55	125	K02127	M370	12 bits;Conv.Speed 5.0us;SR 20/Vus.
8	DAC12QMSN	2		3DM	2.0%	.80*	15	15	1.5 †	0	70	K02127	M370	12 bits;Conv.Speed 5.0us;SR 20/Vus.
9	DAC12QSET	2		3DM	2.0%	.80*	15	15	1.0 †	-55	125	K02127a	M371	12 bits;Conv.Speed 5.0us;SR 20/Vus.
10	DAC12QSSN	2		3DM	2.0%	.80*	15	15	1.0 †	0	70	K02127a	M371	12 bits;Conv.Speed 5.0us;SR 20/Vus.
11	DAC12QZ-BIN	2		3DM	2.0%	.80*	15	15	850m§	0	70	K02178	M304g	12 Bit;Conv Speed 5us for 20V Range.
12	DAC20-08B-BOB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	8 Bit;Conv.Speed 3.0us max.
13	DAC20-08B-USB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	8 Bit;Conv.Speed 3.0us max.
14	DAC20-08U-BOB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	8 Bit;Conv.Speed 3.0us max.
15	DAC20-08U-USB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	8 Bit;Conv.Speed 3.0us max.
16	DAC20-10B-USB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	10 Bit;Conv.Speed 3.0us max.
17	DAC20-10U-BOB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	10 Bit;Conv.Speed 3.0us max.
18	DAC20-10U-USB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	10 Bit;Conv.Speed 3.0us max.
19	DAC20-12B-BCD	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	12 Bit;Conv.Speed 5.0us max.
20	DAC20-12B-BOB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	12 Bit;Conv.Speed 5.0us max.
21	DAC20-12B-BTC	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	12 Bit;Conv.Speed 5.0us max.
22	DAC20-12B-USB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	12 Bit;Conv.Speed 5.0us max.
23	DAC20-12U-BCD	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	12 Bit;Conv.Speed 5.0us max.
24	DAC20-12U-BOB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	12 Bit;Conv.Speed 5.0us max.
25	DAC20-12U-USB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	12 Bit;Conv.Speed 5.0us max.
26▼	DAC40-08B-BIN	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	8 Bit;Output Voltage Range 0 to 10V.
27	DAC40-08B-BOB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	8 Bit;Output Voltage Range 0 to 10V.
28	DAC40-08B-BTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	8 Bit;Output Voltage Range 0 to 10V.
29▼	DAC40-08U-CBI	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	8 Bit;Output Voltage Range 0 to 10V.
30▼	DAC40-10B-BIN	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	10 Bit;Output Voltage Range 0 to 10V.
31	DAC40-10B-BTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	10 Bit;Output Voltage Range 0 to 10V.
32▼	DAC40-10U-CBI	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	10 Bit;Output Voltage Range 0 to 10V.
33	DAC40-12B-BCD	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	12 Bit;Output Voltage Range 0 to 10V.
34▼	DAC40-12B-BIN	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	12 Bit;Output Voltage Range 0 to 10V.
35	DAC40-12B-BTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	12 Bit;Output Voltage Range 0 to 10V.
36▼	DAC40-12U-CBI	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	12 Bit;Output Voltage Range 0 to 10V.
37	DAC40-12U-CCD	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	12 Bit;Output Voltage Range 0 to 10V.
38	DAC60-10	2		3DM	2.0%	.80*	15	15	1.2 †	0	70	K02115	M304f	10 Bit;Settling Time 40ns;Linear ±1/2LSB.
39	DAC60-12	2		3DM	2.0%	.80*	15	15	1.2 †	0	70	K02115	M304f	12 Bit;Settling Time 150ns;Linear ±1/2LSB.
40	DAC80CBI-I	2		MON	2.0%	.80*	15	15	850m§	0	70	K02179	M510	12 Bit Bin DAC w/Current Output.
41	DAC80CBI-V	2		MON	2.0%	.80*	15	15	850m§	0	70	K02179	M510	12 Bit Bin DAC w/Voltage Output.
42	DAC80CCD-I	2		MON	2.0%	.80*	15	15	850m§	0	70	K02179	M510	3 Digit BCD DAC w/Current Output.
43	DAC80CCD-V	2		MON	2.0%	.80*	15	15	850m§	0	70	K02179	M510	3 Digit BCD DAC w/Voltage Output.
44♦	DAC345I10BP	2		3DM	2.0%	.80*	15	15	1.1 †	0	70	K02159	M463	10 Bits BIN;Out ±1mA;Lin ±0.05%.
45▼	DAC345I10UP	2		3DM	2.0%	.80*	15	15	825m	0	70	K02159	M463	10 Bit Comp Bin;Unipolar;Iout 0 to -2mA.
46♦	DAC345I12BP	2		3DM	2.0%	.80*	15	15	1.1 †	0	70	K02159	M463	12 Bits BIN;Out ±1mA;Lin ±0.0125%.
47▼	DAC345I12UP	2		3DM	2.0%	.80*	15	15	825m	0	70	K02159	M463	12 Bit Comp Bin;Unipolar;Iout 0 to -2mA.
48♦	DAC346V10BP	2		3DM	2.0%	.80*	15	15	1.2 †	0	70	K02160	M326a	10 Bits BIN;Out ±5V;Lin ±0.05%.
49♦	DAC346V10UP	2		3DM	2.0%	.80*	15	15	1.2 †	0	70	K02160	M326a	10 Bits BIN;Out 0 to 10V;Lin ±0.05%.
50♦	DAC346V12BP	2		3DM	2.0%	.80*	15	15	1.2 †	0	70	K02160	M326a	12 Bits BIN;Out ±5V;Lin ±0.0125%.
51♦	DAC346V12UP	2		3DM	2.0%	.80*	15	15	1.2 †	0	70	K02160	M326a	12 Bits BIN;Out 0 to 10V;Lin ±0.0125%.
52♦	DAC365-8	2		3DM	2.0%	.80*	15	15	900mt	-55	125	K02161	M286b	BIN;Lin 0.2%;Ref In ±10V.
53♦	DAC365-10	2		3DM	2.0%	.80*	15	15	900mt	-55	125	K02161	M286b	BIN;Lin 0.05%;Ref In ±10V.
54♦	DAC365-12	2		3DM	2.0%	.80*	15	15	900mt	-55	125	K02161	M286b	BIN;Lin 0.0125%;Ref In ±10V.
55♦	DAC368-8	2		3DM	2.0%	.80*	15	15	900mt	-55	125	K02162	M464	BIN;Lin 0.2%;Ref In ±10V.
56♦	DAC368-10	2		3DM	2.0%	.80*	15	15	900mt	-55	125	K02162	M464	BIN;Lin 0.05%;Ref In ±10V.
57♦	DAC368-12	2		3DM	2.0%	.80*	15	15	900mt	-55	125	K02162	M464	BIN;Lin 0.0125%;Ref In ±10V.
58♦	DAC375-3BCD	2		3DM	2.0%	.80*	18	18	81m%	0	70	K02139	M286a	3 Decade BCD;Acc Lin Error ±0.05% max.
59♦	DAC375-8	2		3DM	2.0%	.80*	18	18	81m%	0	70	K02139	M286a	8 Bit;Acc Lin Error ±0.10% max.
60♦	DAC375-10	2		3DM	2.0%	.80*	18	18	81m%	0	70	K02139	M286a	10 Bit;Acc Lin Error ±0.05% max.
61♦	DAC375-11	2		3DM	2.0%	.80*	18	18	81m%	0	70	K02139	M286a	11 Bit;Acc Lin Error ±0.025% max.
62♦	DAC375-12	2		3DM	2.0%	.80*	18	18	81m%	0	70	K02139	M286a	12 Bit;Acc Lin Error ±0.0125% max.
63	DAC1118-023	2		MON	2.0%	.80*	15	15	1.9 §	0	70	K02141	M302p	Binary Offset Binary;TC ±30ppm/°C.
64	DAC1118-025	2		MON	2.0%	.80*	15	15	1.9 §	0	70	K02141	M302p	BCD;TC ±30ppm/°C max.
65	DAC1118-044	2		MON	2.0%	.80*	15	15	1.9 §	0	70	K02141	M302p	2s Complement;TC ±30ppm/°C.
66▼	DAC1132	2		3DM	2.0%	.80*	15	15	1.7 %	0	70	K02186	M431	12 Bit;Tempco 10ppm/°C max.
67	DAC-E8BCD	2		MON	2.0%	.80*	15	15	600mt	0	70		M405	TC ±15ppm/°C;Lin ±1/2LSB;Acc .05%.
68	DAC-E8BIN	2		MON	2.0%	.80*	15	15	600mt	0	70		M405	TC ±15ppm/°C;Lin ±1/2LSB;Acc .05%.
69	DAC-E10BCD	2		MON	2.0%	.80*	15	15	600mt	0	70		M405	TC ±15ppm/°C;Lin ±1/2LSB;Acc .05%.
70	DAC-E10BIN	2		MON	2.0%	.80*	15	15	600mt	0	70		M405	TC ±15ppm/°C;Lin ±1/2LSB;Acc .05%.
71	DAC-E12BCD	2		MON	2.0%	.80*	15	15	600mt	0	70		M405	TC ±15ppm/°C;Lin ±1/2LSB;Acc .05%.
72	DAC-E12BIN	2		MON	2.0%	.80*	15	15	600mt	0	70		M405	TC ±15ppm/°C;Lin ±1/2LSB;Acc .05%.
73	DACFI8B	2		3DM	2.0%	.80*	15	15	1.4 †	0	70	K02147	M424	8 BIN Bits;Vo ±1.2V;TC ±50ppm/°C.
74	DACFI10B	2		3DM	2.0%	.80*	15	15	1.4 †	0	70	K02147	M424	10 BIN Bits;Vo ±1.2V;TC ±50ppm/°C.
75	DACGI8B	2		3DM	2.0%	.80*	15	15	1.4 †	0	70	K02147	M424	8 BIN Bits;Vo ±1.2V;TC ±30ppm/°C.
76	DACGI10B	2		3DM	2.0%	.80*	15	15	1.4 †	0	70	K02147	M424	10 BIN Bits;Vo ±1.2V;TC ±30ppm/°C.
77	DACHI8B	2		3DM	2.0%	.80*	15	15	1.4 †	0	70	K02147	M424	8 BIN Bits;Vo ±1.2V;TC ±15ppm/°C.
78	DACHI10B	2		3DM	2.0%	.80*	15	15	1.4 †	0	70	K02147	M424	10 BIN Bits;Vo ±1.2V;TC ±15ppm/°C.
79	DACHI12B	2		3DM	2.0%	.80*	15	15	900mt	0	70	K02149	M426	12 BIN Bits;Io 5.0mA at 1.2V;TC±20ppm/°C.
80	DACHV6B100	2		3DM	2.0%	.80*	15	15	1.8 %	0	70	K02151	M428	6 BIN Bits;Vo 5.0V;TC ±60ppm/°C.
81	DACHV8B100	2		3DM	2.0%	.80*	15	15	1.8 %	0	70	K02151	M428	8 BIN Bits;Vo 5.0V;TC ±60ppm/°C.
82	DACHV10B100	2		3DM	2.0%	.80*	15	15	1.8 %	0	70	K02151	M428	10 BIN Bits;Vo 5.0V;TC ±60ppm/°C.
83▼	DACHY12BC	2		3DM	2.0%	.80*	15	15	1.0	0	70	K02190	M320b	12 Binary Bits;Tempco 30ppm/°C.
84▼	DACHY12DC	2		3DM	2.0%	.80*	15	15	1.0	0	70	K02190	M320b	3 BCD Digits;Tempco 30ppm/°C.
85	DACI8B	2		3DM	2.0%	.80*	15	15	600mt	0	70	K02152	M429	8 BIN Bits;Io 2.0mA,Vo±1.2V;TC±15ppm/°C.
86	DACI8D	2		3DM	2.0%	.80*	15	15	600mt	0	70	K02152	M429	2 Dig.BCD;Io 2.0mA,Vo±1.2V;TC±15ppm/°C.
87	DACI10B	2		3DM	2.0%	.80*	15	15	600mt	0	70	K02152	M429	10 BIN Bits;Io 2.0mA,Vo±1.2V;TC±15ppm/°C.
88	DACI12B	2		3DM	2.0%	.80*	15	15	600mt	0	70	K02152	M429	12 BIN Bits;Io 2.0mA,Vo±1.2V;TC±15ppm/°C.
89	DACI12D	2		3DM	2.0%	.80*	15	15	600mt	0	70	K02152	M429	3 Dig.BCD;Io 2.0mA,Vo±1.2V;TC±15ppm/°C.
90	MC1408L6	2		MON	2.0%	.80*	0.0	5.0	1.0	0	75	K02107	M191	8-Bit Multiplying D/A Converter.
91	MC1408L7	2		MON	2.0%	.80*	0.0	5.0	1.0	0	75	K02107	M191	8-Bit Multiplying D/A Converter.
92	MC1408L8	2		MON	2.0%	.80*	0.0	5.0	1.0	0	75	K02107	M191	8-Bit Multiplying D/A Converter.
93	MC1508L8	2		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K02107	M191	8-Bit Multiplying D/A Converter.
94	MN306	2		TFH	2.0%	.80*	15	0.0	400m	0	70	K0263	M244	8 Bit;Vo 39mV;Settling Time 100nS max.
95	MN307	2		3DM	2.0%	.80*	15	15	400m	0	70	K0264	M244	8 Bits;Tset 3.0us max.
96	MN308	2		TFH	2.0%	.80*	15	15	400m	0	70	K0264	M244	2 Decade BCD;Load Current 5.0mA;SR .50V/us
97	MN308H	2		TFH	2.0%	.80*	15	15	400m	-55	125	K0264	M244	2 Decade BCD;Load Current 5.0mA;SR .50V/us
98	MN309	2		TFH	2.0%	.80*	15	15	400m§	0	70	K0265	M244	8 Bit;Load Current 5.0mA;SR .50V/us.
99	MN309H	2		TFH	2.0%	.80*	15	15	400m§	-55	110	K0265	M244	8 Bit;Load Current 5.0mA;SR .50V/us.
100	MN310	2		TFH	2.0%	.80*	15	15	600m	0	70	K0266	M287	10 Bit;LSB ±1/2;Load Current 5.0mA.
101	MN310R	2		TFH	2.0%	.80*	15	15	600m	0	55	K0266	M287	10 Bit;LSB ±1;Load Current 5.0mA.
102	MN316	2		3DM	2.0%	.80*	15	15	400m	0	70	K0267	M244	Bipolar Output 8 Bits;Tset 3.0us max.
103	MN319	2		3DM	2.0%	.80*	15	15	600m	0	70	K0266	M287	2 1/2 Decade BCD;Tset. 3.0us max.
104	MN321	2		3DM	2.0%	.80*	15	15	400m	0	70	K0267	M244	Positive Output 8 Bits;Tset 3.0us max.
105	MN325	2		3DM	2.0%	.80*	15	15	600m	0	70	K0266	M287	10 Bits;Tset 100ns max.
106	MN328	2		3DM	2.0%	.80*	15	15	1.1	0	70	K0287	M287	8 Bits;w/Storage Register;Tset 3.0us max.
107	MN328B	2		3DM	2.0%	.80*	15	15	1.1	0	70	K0287	M287	8 Bits;w/Storage Register;Tset 3.0us max.
108	MN329	2		TFH	2.0%	.80*	15	15	600m	0	70	K0288	M287	10 Bit;LSB ±1/2;Load Current 5.0mA.
109	MN329R	2		TFH	2.0%	.80*	15	15	600m	0	55	K0288	M287	10 Bit;LSB ±1;Load Current 5.0mA.
110	MN333	2		TFH	2.0%	.80*	0.0	15	400m	0	70	K0289	M244	8 Bit;Vo 39mV;Settling Time 100nS max.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	MN370	2		TFH	2.0%	.80*	15	15	90m	0	70		M326b	12 Bit;Acc 0.1%;Vo ±10V.
2♦	MN370H	2		TFH	2.0%	.80*	15	15	90m	-55	125		M326b	12 Bit;Acc 0.1%;Vo ±10V.
3♦	MN371	2		TFH	2.0%	.80*	15	15	90m	0	70		M326b	12 Bit;Acc 0.1%;Vo 0 to 10V.
4♦	MN371H	2		TFH	2.0%	.80*	15	15	90m	-55	125		M326b	12 Bit;Acc 0.1%;Vo 0 to 10V.
5	MN3000	2		TFH	2.0%	.80*	15	15	585m	0	70	K02133	M244	8 Bit,Vo 0.0 to -10V F.S;Int Ref.
6	MN3000H	2		TFH	2.0%	.80*	15	15	585m	-55	125	K02133	M244	8 Bit;Vo 0.0V to -10V F.S.;Int Ref.
7	MN3001	2		TFH	2.0%	.80*	15	15	585m	0	70	K02133	M244	8 Bit;Vo 5.0V to -5.0V F.S.;Int Ref.
8	MN3001H	2		TFH	2.0%	.80*	15	15	585m	-55	125	K02133	M244	8 Bit;Vo 5.0V to -5.0V F.S.;Int Ref.
9	MN3002	2		TFH	2.0%	.80*	15	15	585m	0	70	K02133	M244	8 Bit;Vo 0.0V to 10V F.S.;Int Ref.
10	MN3002H	2		TFH	2.0%	.80*	15	15	585m	-55	125	K02133	M244	8 Bit;Vo 0.0V to 10V F.S.;Int Ref.
11	MN3003	2		TFH	2.0%	.80*	15	15	585m§	0	70	K02164	M287	10 Bit;Vo 0.0V to -10V F.S;Int Ref.
12	MN3003H	2		TFH	2.0%	.80*	15	15	585m§	-55	125	K02164	M287	10 Bit;Vo 0.0V to -10V F.S.;Int Ref.
13	MN3004	2		TFH	2.0%	.80*	15	15	585m§	0	70	K02164	M287	10 Bit;Vo 5.0V to -5.0V F.S.;Int Ref.
14	MN3004H	2		TFH	2.0%	.80*	15	15	585m§	-55	125	K02164	M287	10 Bit;Vo 5.0V to -5.0V F.S.;Int Ref.
15	MN3005	2		TFH	2.0%	.80*	15	15	585m§	0	70	K02164	M287	10 Bit;Vo 0.0V to 10V F.S.;Int Ref.
16	MN3005H	2		TFH	2.0%	.80*	15	15	585m§	-55	125	K02164	M287	10 Bit;Vo 0.0V to 10V F.S.;Int Ref.
17	MN3006	2		TFH	2.0%	.80*	15	15	585m	0	70	K02164	M244	8 Bit;Vo 10V to 10V F.S.;Int Ref.
18	MN3006H	2		TFH	2.0%	.80*	15	15	585m	-55	125	K02164	M244	8 Bit;Vo 10V to -10V F.S.;Int Ref.
19	MN3007	2		TFH	2.0%	.80*	15	15	585m§	0	70	K02164	M287	10 Bit;Vo 10V to -10V F.S.;Int Ref.
20	MN3007H	2		TFH	2.0%	.80*	15	15	585m§	-55	125	K02164	M287	10 Bit;Vo 10V to -10V F.S.;Int Ref.
21▼	MN3200	2		TFH	2.0%	.80*	15	15	465m	0	70	K02187	M326c	12 Bit;Vo 0 to ±10V;Acc .30% FSR.
22▼	MN3201	2		TFH	2.0%	.80*	15	15	465m	0	70	K02187	M326c	12 Bit;Vo ±5V,±10V;Acc .30% FSR.
23▼	MN3202	2		TFH	2.0%	.80*	15	15	465m	0	70	K02187	M326c	12 Bit;Vo 0 to ±9.99V;Acc .30% FSR.
24♦	MN3850	2		TFH	2.0%	.80*	15	15	525m†	0	70	K02188	M387	12 Bit;Vo ±10,±5,±2.5,0 to 10,0 to 5V.
25▼	MN3850E	2		TFH	2.0%	.80*	15	15	525m	-25	85	K02188	M387	12 Bit;Vo ±10,±5,±2.5,0 to 10,0 to 5V.
26♦	MN3850H	2		TFH	2.0%	.80*	15	15	525m†	-55	125	K02188	M387	12 Bit;Vo ±10,±5,±2.5,0 to 10,0 to 5V.
27▼	SSS1408A6Z	2		MON	2.0%	.80*	15	5.0	1.0	0	75	K02107	M210d	8 Bit;Relative Accuracy ±0.78%.
28▼	SSS1408A7Z	2		MON	2.0%	.80*	15	5.0	1.0	0	75	K02107	M210d	8 Bit;Relative Accuracy ±0.39%.
29▼	SSS1408A8Z	2		MON	2.0%	.80*	15	5.0	1.0	-55	125	K02107	M210d	8 Bit;Relative Accuracy ±0.19%.
30▼	SSS1508A8Z	2		MON	2.0%	.80*	15	5.0	1.0	0	75	K02107	M210d	8 Bit;Relative Accuracy ±0.19%.
31#	ZN5482E	2		MON	2.0%	.80*	0.0	5.0	175m†	-55	125	K0314	TO116	2 Bit Binary Full Adder.
32	414BIN	2	10k	3DM	2.0%	.80*	15	15	750m%	0	70		M453	196 plus BIN;0 to -10,±5,±10V;tconv 100us.
33	416BCD	2	10k	3DM	2.0%	.80*	15	15	750m%	0	70		M453	4 Digit BCD;0 to -10V;tconv. 100us.
34	416BIN	2	10k	3DM	2.0%	.80*	15	15	750m%	0	70		M453	16 Bit BIN;0 to -10V,±5V,±10V;tconv 100us.
35	418BCD	2	10k	3DM	2.0%	.80*	15	15	750m%	0	70		M453	±4 1/2Digit BCD;±10V;tconv 100us.
36▼	877-69CD1	2	10k	MOH	2.0%	.80*	15	15	625m§	-55	125	K02116	M195	13 Bit;Vo ±10V;Acc ±.012% Typical.
37▼	877-69CD2	2	10k	MOH	2.0%	.80*	15	15	625m§	-55	125	K02116	M195	13 Bit;Vo ±10V;Acc ±.05% Typical.
38▼	877-69MD1	2	10k	MOH	2.0%	.80*	15	15	625m§	-55	125	K02116	M196c	13 Bit;Vo ±10V;Acc ±.012% Typical.
39▼	877-69MD2	2	10k	MOH	2.0%	.80*	15	15	625m§	-55	125	K02116	M196c	13 Bit;Vo ±10V;Acc ±.05% Typical.
40▼	A867-14	2	30k	3DM	2.0%	.80*	15	15	1.1 §	0	60	K02173a	M503	14 Bit;Voltage Output.
41	A867-16	2	30k	3DM	2.0%	.80*	15	15	1.1 §	0	60	K02173	M503	16-Bit;Voltage Output.
42	412BIN	2	80k	3DM	2.0%	.80*	15	15	600m	0	70			12 Bit Binary;±10V;tconv. 15us.
43	DAC45CBI	2	100k	3DM	2.0%	.80*	15	15	1.8 †	0	70	K02108	M302d	16 Bit Binary;Lin .003%;A ±7.0ppm%/°C.
44	DAC45CCD	2	100k	3DM	2.0%	.80*	15	15	1.8 †	0	70	K02108	M302d	4 Digit BCD;Lin .005%;A ±7ppm/°C.
45	DACMV8B	2	200k	3DM	2.0%	.80*	15	15	825m%	0	70	K02154	M430	Multi.8 BIN Bits;TC ±30ppm/°C.
46	DACMV8D	2	200k	3DM	2.0%	.80*	15	15	825m%	0	70	K02154	M430	Multi.2 Dig.Bits;TC ±30ppm/°C.
47	DACMV10B	2	200k	3DM	2.0%	.80*	15	15	825m%	0	70	K02154	M430b	Multi.10 BIN Bits;TC ±30ppm/°C.
48	DACMV12B	2	200k	3DM	2.0%	.80*	15	15	825m%	0	70	K02154	M430a	Multi.12 BIN Bits;TC ±30ppm/°C.
49	DACMV12D	2	200k	3DM	2.0%	.80*	15	15	825m%	0	70	K02154	M430a	Multi 3 Dig.Bits;TC ±30ppm/°C.
50	DACR8B	2	200k	3DM	2.0%	.80*	15	15	1.3 †	0	70	K02155	M431	8 Bit Comp BIN;TC±30ppm/°C;Rt 200kHz.
51	DACR8D	2	200k	3DM	2.0%	.80*	15	15	1.3 †	0	70	K02155	M431	8 Digit Comp BCD;TC ±30ppm/°C;Rt 200kHz.
52	DACR10B	2	200k	3DM	2.0%	.80*	15	15	1.3 †	0	70	K02155	M431	10 Bit Comp BIN;TC ±30ppm/°C;Rt 200kHz.
53	DACR12B	2	200k	3DM	2.0%	.80*	15	15	1.3 †	0	70	K02155	M431	12 Bit Comp BIN;TC ±30ppm/°C;Rt 200kHz.
54	DACR12D	2	200k	3DM	2.0%	.80*	15	15	1.3 †	0	70	K02155	M431	12 Digit Comp BCD;TC±30ppm/°C;Rt 200kHz.
55	DACTR8B	2	200k	3DM	2.0%	.80*	15	15	1.3 †	0	70	K02155	M431	8 Bit Comp BIN;TC ±7ppm/°C;Rt 200kHz.
56	DACTR8D	2	200k	3DM	2.0%	.80*	15	15	1.3 †	0	70	K02155	M431	8 Digit Comp BCD;TC ±7ppm/°C;Rt 200kHz.
57	DACTR10B	2	200k	3DM	2.0%	.80*	15	15	1.3 †	0	70	K02155	M431	10 Bit Comp BIN;TC ±7ppm/°C;Rt 200kHz.
58	DACTR12B	2	200k	3DM	2.0%	.80*	15	15	1.3 †	0	70	K02155	M431	12 Bit Comp BIN;TC ±7ppm/°C;Rt 200kHz.
59	DACTR12D	2	200k	3DM	2.0%	.80*	15	15	1.3 †	0	70	K02155	M431	12 Digit Comp BCD;TC ±7ppm/°C;Rt 200kHz.
60	A861-8	2	1.0M	3DM	2.0%	.80*	15	15	50m§	0	70			8-Bit;1us Current Output.
61	A861-10	2	1.0M	3DM	2.0%	.80*	15	15	50m§	0	70			10-Bit;1us Current Output.
62	DACMI8B	2	2.0M	3DM	2.0%	.80*	15	15	1.1 †	0	70		M423a	8 BIN Bits;Vo ±1.2V;TC ±30ppm/°C.
63	DACMI8D	2	2.0M	3DM	2.0%	.80*	15	15	1.1 †	0	70		M423a	2 Dig.BCD;Vo ±1.2V;TC ±30ppm/°C.
64	DACMI10B	2	2.0M	3DM	2.0%	.80*	15	15	1.1 †	0	70		M423a	10 BIN Bits;Vo ±1.2V;TC ±30ppm/°C.
65	DACMI12B	2	2.0M	3DM	2.0%	.80*	15	15	1.1 †	0	70	K02153	M423a	12 BIN Bits;Vo ±1.2V;TC ±30ppm/°C.
66	DACMI12D	2	2.0M	3DM	2.0%	.80*	15	15	1.1 †	0	70		M423a	3 Dig.BCD;Vo ±1.2V;TC ±30ppm/°C.
67	7581	2	3.0M	3DM	2.0%	.80*	15	15	1.3 †	-55	85		M343	6 Bit Binary;±10VFS;±200mA.
68	7582	2	3.0M	3DM	2.0%	.80*	15	15	1.3 †	-55	85		M343	8 Bit Binary;±10VFS;±200mA.
69	A866-13	2	3.0M	3DM	2.0%	.80*	15	15	2.8	0	60			13-Bit;Deglitched Output.
70♦	DAC85C-CBI-I	2	3.0M%	TFH	2.0%	.80*	15	15	850m	0	70	K02179	M320a	12 Bit;Io ±1,-2mA;Drift 20ppm/°C.
71♦	DAC85C-CBI-V	2	3.0M%	TFH	2.0%	.80*	15	15	850m	0	70	K02179	M320a	12 Bit;Vo ±2.5,±5,±10,5,10V;Drift 20ppm/°C
72♦	DAC85C-CCD-I	2	3.0M%	TFH	2.0%	.80*	15	15	850m	0	70	K02179	M320a	12 Bit;Io ±1,-2mA;Drift 20ppm/°C.
73♦	DAC85C-CCD-V	2	3.0M%	TFH	2.0%	.80*	15	15	850m	0	70	K02179	M320a	12 Bit;Vo 10V;Drift 20ppm/°C.
74♦	DAC85CBI-I	2	3.0M%	TFH	2.0%	.80*	15	15	850m	-25	85	K02179	M320a	12 Bit;Io ±1,-2mA;Drift 20ppm/°C.
75♦	DAC85CBI-V	2	3.0M%	TFH	2.0%	.80*	15	15	850m	-25	85	K02179	M320a	12 Bit Vo ±2.5,±5,±10,5,10V;Drift 20ppm/°C
76♦	DAC85CCD-I	2	3.0M%	TFH	2.0%	.80*	15	15	850m	-25	85	K02179	M320a	12 Bit;Io ±1,-2mA;Drift 20ppm/°C.
77♦	DAC85CCD-V	2	3.0M%	TFH	2.0%	.80*	15	15	850m	-25	85	K02179	M320a	12 Bit;Vo 10V;Drift 20ppm/°C.
78▼	DAC85ET-CBI-I	2	3.0M%	TFH	2.0%	.80*	15	15	850m	-55	125	K02179	M320a	12 Bit;Io ±1,-2mA;Drift ±20ppm/°C.
79▼	DAC85ET-CBI-V	2	3.0M%	TFH	2.0%	.80*	15	15	850m	-55	125	K02179	M320a	12 Bit;Vo ±2.5,±5,±10,5,10V.
80♦	DAC85LD-CBI-I	2	3.0M%	TFH	2.0%	.80*	15	15	850m	-25	85	K02179	M320a	12 Bit;Io ±1,-2mA;Drift 20ppm/°C.
81♦	DAC85LD-CBI-V	2	3.0M%	TFH	2.0%	.80*	15	15	850m	-25	85	K02179	M320a	12 Bit;Vo ±2.5,±5,±10,5,10V;Drift 20ppm/°C
82	DAC169-16B	2	5.0M%	3DM	2.0%	.80*	15	15	750m†	0	70	K02145	M422	16 BIN Bits,Vo 10V,Io 2.5mA.
83	DAC169-16D	2	5.0M%	3DM	2.0%	.80*	15	15	750m†	0	70	K02145a	M422	4 Dig.BCD,Vo 10V,Io 2.5mA.
84	A860-12	2	10M	3DM	2.0%	.80*	15	15	1.2 §	0	60			12-Bit;100ns Current Output.
85	DACHB8B	2	10M%	3DM	2.0%	.80*	15	15	750m†	0	70	K02148	M425	8 BIN Bits;Vo 10V at 5.0mA.
86	DACHB10B	2	10M%	3DM	2.0%	.80*	15	15	750m†	0	70	K02148	M425	10 BIN Bits;Vo 10V at 5.0mA.
87	DACHB12B	2	10M%	3DM	2.0%	.80*	15	15	750m†	0	70	K02148	M425	12 BIN Bits;Vo 10V at 5.0mA.
88	DACHB12D	2	10M%	3DM	2.0%	.80*	15	15	750m†	0	70	K02148	M425	3 Dig.BCD;Vo 10V at 5.0mA.
89	DACV8B	2	10M	3DM	2.0%	.80*	15	15	1.8 †	0	70	K02156	M432	8 Binary Bits;Vo ±5V and ±10V;TC±20ppm/°C
90	DACV8D	2	10M	3DM	2.0%	.80*	15	15	1.8 †	0	70	K02156	M432	8 Digit BCD;Vo ±5V and ±10V;TC ±20ppm/°C.
91	DACV10B	2	10M	3DM	2.0%	.80*	15	15	1.8 †	0	70	K02156	M432	10 Binary Bits;Vo ±5V and±10V;TC±20ppm/°C
92	DACV12B	2	10M	3DM	2.0%	.80*	15	15	1.8 †	0	70	K02156	M432	12 Binary Bits;Vo ±5V and±10V;TC±20ppm/°C
93	DACV12D	2	10M	3DM	2.0%	.80*	15	15	1.8 †	0	70	K02156	M432	12 Digit BCD;Vo ±5V and±10V;TC ±20ppm/°C.
94	DACVR8B	2	10M	3DM	2.0%	.80*	15	15	1.8 †	0	70	K02157	M432	8 Binary Bits;Vo±5V and±10V;TC ±20ppm/°C.
95	DACVR8D	2	10M	3DM	2.0%	.80*	15	15	1.8 †	0	70	K02157	M432	8 Digit BCD;Vo ±5V and ±10V;TC ±20ppm/°C.
96	DACVR10B	2	10M	3DM	2.0%	.80*	15	15	1.8 †	0	70	K02157	M432	10 Binary Bits;Vo±5V and±10V;TC±20ppm/°C.
97	DACVR12B	2	10M	3DM	2.0%	.80*	15	15	1.8 †	0	70	K02157	M432	12 Binary Bits;Vo±5V and±10V;TC±20ppm/°C.
98	DACVR12D	2	10M	3DM	2.0%	.80*	15	15	1.8 †	0	70	K02157	M432	12 Digit BCD;Vo±5V and ±10V;TC ±20ppm/°C.
99♦	DI-AN802RAD	2	15M	PCM	2.0%	.80*	15	15	2.7 %	0	50	K02191	M528	8 Bit BIN;Glitchless;±1V Output.
100♦	DI-AN1002RAD	2	15M	PCM	2.0%	.80*	15	15	2.7 %	0	50	K02191a	M528a	10 Bit BIN;Glitchless;±1V Output.
101	MDA2	2	4.0M	PCB	2.0%	.95*	15	15		15	50		CB37c	10 Bit, Single Channel DAC.
102▼	DAC01AP,AS,AY%	2		MON	2.1%	.50*	15	15	250m	-55	125	K0278	M105au	6 Bit;Linearity .20% FS max;TC40ppm/°Cmax
103▼	DAC01BP,BS,BY%	2		MON	2.1%	.50*	15	15	250m	-55	125	K0278	M105au	6 Bit;Linearity .40% FS max;TC120ppm/°Cmax
104▼	DAC01CP,CS,CY%	2		MON	2.1%	.50*	15	15	250m	0	70	K0278	M105au	6 Bit;Linearity .40% FS max;TC160ppm/°Cmax
105▼	DAC01FP,FS,FY%	2		MON	2.1%	.50*	15	15	250m	-55	125	K0278	M105au	6 Bit;Linearity .40% FS max;TC80ppm/°Cmax
106▼	DAC01HP,HS,HY%	2		MON	2.1%	.50*	15	15	250m	0	70	K0278	M105au	6 Bit;Linearity .40% FS max;TC160ppm/°Cmax
107▼	DAC01P	2		MON	2.1%	.50*	15	15	250m	-55	125	K0278	M105au	6 Bit;Linearity .40% FS max;TC80ppm/°Cmax
108	722BFC	2		MON	2.1%	.70*	6.0	6.0	250m	-20	85	K0252	FP59	10-Bit Current Source.
109	722FC	2		MON	2.1%	.70*	6.0	6.0	250m	-20	85	K0252	FP59	10 Bit Current Source.
110▼	DAC100AAN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.05% Linearity;TC15ppm/°C;Vo10V FS

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	DAC100AAQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.05% Linearity;TC15ppm/°C;Vo10V FS
2▼	DAC100AAQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.05% Linearity;TC15ppm/°C;Vo5V FS
3▼	DAC100ABN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.05% Linearity;TC30ppm/°C;Vo10V FS
4▼	DAC100ABQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.05% Linearity;TC30ppm/°C;Vo10V FS
5▼	DAC100ABQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.05% Linearity;TC30ppm/°C;Vo5V FS
6▼	DAC100ACN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.05% Linearity;TC60ppm/°C;Vo10V FS
7▼	DAC100ACQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.05% Linearity;TC60ppm/°C;Vo10V FS
8▼	DAC100ACQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.05% Linearity;TC60ppm/°C;Vo5V FS
9▼	DAC100ACQ3	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M182a	10 Bit;.05% Linearity;Vo 10V FS
10▼	DAC100ACQ4	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M182a	10 Bit;.05% Linearity;Vo 5.0V FS
11▼	DAC100ACT1	2		MOH	2.1%	.70*	15	15	500m	0	70	K0277a	M154	10 Bit;.05% Linearity;TC60ppm/°C;Vo10V FS
12▼	DAC100ACT2	2		MOH	2.1%	.70*	15	15	500m	0	70	K0277a	M154	10 Bit;.05% Linearity;TC60ppm/°C;Vo5V FS
13▼	DAC100ADN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.05% Linearity;TC120ppm/°C;Vo10V FS
14▼	DAC100ADQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.05% Linearity;TC120ppm/°C;Vo10V FS
15▼	DAC100ADQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.05% Linearity;TC120ppm/°C;Vo5V FS
16▼	DAC100BAN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.10% Linearity;TC15ppm/°C;Vo10V FS
17▼	DAC100BAQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.10% Linearity;TC15ppm/°C;Vo10V FS
18▼	DAC100BAQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.10% Linearity;TC15ppm/°C;Vo5V FS
19▼	DAC100BBN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.10% Linearity;TC30ppm/°C;Vo10V FS
20▼	DAC100BBQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.10% Linearity;TC30ppm/°C;Vo10V FS
21▼	DAC100BBQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.10% Linearity;TC30ppm/°C;Vo5V FS
22▼	DAC100BCN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.10% Linearity;TC60ppm/°C;Vo10V FS
23▼	DAC100BCQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.10% Linearity;TC60ppm/°C;Vo10V FS
24▼	DAC100BCQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.10% Linearity;TC60ppm/°C;Vo5V FS
25▼	DAC100BCQ3	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M182a	10 Bit;.10% Linearity;Vo 10V FS
26▼	DAC100BCQ4	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M182a	10 Bit;.10% Linearity;Vo 5.0V FS
27▼	DAC100BCT1	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M154	10 Bit;.10% Linearity;Vo 10V FS
28▼	DAC100BCT2	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M154	10 Bit;.10% Linearity;Vo 5.0V FS
29▼	DAC100BDN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.10% linearity;TC120ppm/°C;Vo10V FS
30▼	DAC100BDQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.10% Linearity;TC120ppm/°C;Vo10V FS
31▼	DAC100BDQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.10% Linearity;TC120ppm/°C;Vo5V FS
32▼	DAC100CBN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.20% Linearity;TC30ppm/°C;Vo10V FS
33▼	DAC100CBQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.20% Linearity;TC30ppm/°C;Vo10V FS
34▼	DAC100CBQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.20% Linearity;TC30ppm/°C;Vo5V FS
35▼	DAC100CCN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.20% Linearity;TC60ppm/°C;Vo10V FS
36▼	DAC100CCQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.20% Linearity;TC60ppm/°C;Vo10V FS
37▼	DAC100CCQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.20% Linearity;TC60ppm/°C;Vo5V FS
38▼	DAC100CCQ3	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M182a	10 Bit;.20% Linearity;Vo 10V FS
39▼	DAC100CCQ4	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M182a	10 Bit;.20% Linearity;Vo 5.0V FS
40▼	DAC100CCT1	2		MOH	2.1%	.70*	15	15	500m	0	70	K0277a	M154	10 Bit;.20% Linearity;TC60ppm/°C;Vo10V FS
41▼	DAC100CCT2	2		MOH	2.1%	.70*	15	15	500m	0	70	K0277a	M154	10 Bit;.20% Linearity;TC60ppm/°C;Vo5V FS
42▼	DAC100CDN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.20% Linearity;TC120ppm/°C;Vo10V FS
43▼	DAC100CDQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.20% Linearity;TC120ppm/°C;Vo10V FS
44▼	DAC100CDQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.20% Linearity;TC120ppm/°C;Vo5V FS
45▼	DAC100DBN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.30% Linearity;TC30ppm/°C;Vo10V FS
46▼	DAC100DBQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.30% Linearity;TC30ppm/°C;Vo10V FS
47▼	DAC100DBQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.30% Linearity;TC30ppm/°C;Vo5V FS
48▼	DAC100DCN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.30% Linearity;TC60ppm/°C;Vo10V FS
49▼	DAC100DCQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.30% Linearity;TC60ppm/°C;Vo10V FS
50▼	DAC100DCQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.30% Linearity;TC60ppm/°C;Vo5V FS
51▼	DAC100DDN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.30% Linearity;TC120ppm/°C;Vo10V FS
52▼	DAC100DDQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.30% Linearity;TC120ppm/°C;Vo5V FS
53▼	DAC100DDQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;30% Linear;TC 120PPM/°C;Vo 5.0V FS
54▼	DAC100DDQ3	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M182a	10 Bit;Linearity .30/;Vo 10V F.S.
55▼	DAC100DDQ4	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M182a	10 Bit;.30% Linearity;Vo 5.0V FS
56▼	DAC100DDT1	2		MOH	2.1%	.70*	15	15	500m	0	70	K0277a	M154	10 Bit;.30% Linearity;TC120ppm/°C;Vo10V FS
57▼	DAC100DDT2	2		MOH	2.1%	.70*	15	15	500m	0	70	K0277a	M154	10 Bit;.30% Linearity;TC120ppm/°C;Vo5V FS
58	DAC8M	2		3DM	2.4%	.40*	15	15	555m†	0	70	K02124	M368	8 bits;Mult.Acc.20%;SR10V/us;TC25ppm/°C.
59	DAC12M	2		3DM	2.4%	.40*	15	15	555m†	0	70	K02124	M368	12 bits;Mult.Acc.20%;SR10V/us;TC5.0ppm/°C
60	DAC14QG	2		3DM	2.4%	.40*	15	15	2.3 †	0	70	K02126	M369	14 Bits;Linearity±.003%;Int Reference 6.2V
61	DAC14QM	2		3DM	2.4%	.40*	15	15	950m†	0	70	K02126	M369	14 bits;Linearity±.003%;Int Reference 6.2V
62	DAC16QG	2		3DM	2.4%	.40*	15	15	2.3 †	0	70	K02126	M369	16 Bits;Linearity±.0015%;Int Reference6.2V
63	DAC16QM	2		3DM	2.4%	.40*	15	15	950m†	0	70	K02126	M369	16 bits;Linearity±.0015%;Int Ref. 6.2V.
64▼	DAC70C-CCD-I	2		TFH	2.4%	.40*	15	15	900m	0	70	K02179	M320a	16 Bit;Output Voltage Range 0 to 10V.
65▼	DAC70C-COB-I	2		TFH	2.4%	.40*	15	15	900m	0	70	K02179	M320a	16 Bit;Output Voltage Range ±10V.
66▼	DAC70C-CSB-I	2		TFH	2.4%	.40*	15	15	900m	0	70	K02179	M320a	16 Bit;Output Voltage Range 0 to 10V.
67▼	DAC70CCD-I	2		TFH	2.4%	.40*	15	15	900m	-25	85	K02179	M320a	16 Bit;Output Voltage Range 0 to 10V.
68▼	DAC70COB-I	2		TFH	2.4%	.40*	15	15	900m	-25	85	K02179	M320a	16 Bit;Output Voltage Range ±10V.
69▼	DAC70CSB-I	2		TFH	2.4%	.40*	15	15	900m	-25	85	K02179	M320a	16 Bit;Output Voltage Range 0 to 10V.
70	DAC1112	2		3DM	2.4%	.40*	15	15		-55	125	K02125	M371a	12 Bits;Set Time 5us;Lin ±.012%.
71	DAC1117	2		3DM	2.4%	.40*	15	15		-55	125	K02167	M375	12 Bits;Set Time 3us;Lin ±.5LSB.
72	HI2A1080	2		MON	2.4%	.40*	5.0	15	450m	-55	125	K02119	M381	8 bit;Settling Time 3.0us max;Acc 1/2LSB.
73	HI2A1085	2		MON	2.4%	.40*	5.0	15	450m	0	75	K02119	M381	8 bit;Settling Time 1.5us;Acc 1/2LSB.
74	HI9M1080	2		MON	2.4%	.40*	0.0	10	450m	-55	125	K02119	FP48	8-Bit D to A Converter.
75	HI9M1085	2		MON	2.4%	.40*	0.0	10	450m	0	75	K02119	FP48	8-Bit D to A Converter.
76	HI-1A1080	2		MON	2.4%	.40*	5.0	15	450m	-55	125	K02119	FP59a	8 bit;Settling Time 3.0us max;Acc 1/2LSB.
77	HI-1A1085	2		MON	2.4%	.40*	5.0	15	450m	0	75	K02119	FP59a	8 bit;Settling Time 1.5us;Acc 1/2LSB.
78	MDA10F	2		3DM	2.4%	.40*	15	15	1.8 †	0	70	K02130	M374	10 Bit Binary;Settling Time 40ns.
79	MDA10Z	2		3DM	2.4%	.40*	15	15	450m†	0	70		M368a	10 bits;Binary;Settl.Time 300ns.
80	MDA11MF	2		3DM	2.4%	.40%	15	15	1.0 §	0	70	K02131	M364g	11 bit Multi;BW 5.0MHz;Settl.Time 800ns.
81	MDA12QD	2		3DM	2.4%	.40%	15	15	925m†	0	70		M375	12 bits;Linearity ±1/2LSB;Settl.Time 3us.
82	MDA12QDET	2		3DM	2.4%	.40%	15	15	925m†	-55	125		M375	12 bits;Linearity ±1/2LSB;Settl.Time 3us.
83	MN303	2		TFH	2.4	.40	15	15	400m	0	70	K0262	M244	8 Bit BCD D/A Full Scale 0 to -10.
84	MN303H	2		TFH	2.4	.40	15	15	400m	-55	125	K0262	M244	8 Bit BCD D/A Full Scale 0 to -10.
85	DAC100	2	200k	MOH	2.4%	.40*	30	1.6		-55	125	K0246	M156	5 Bit;ton 1.0us;Acc 100m%;Voffset 3.0mV.
86	DAC101	2	200k	MOH	2.4%	.40*	30	1.6		-55	125	K0246	M156	5 Bit;ton 1.0us;Acc 300m%;Voffset 2.0mV.
87	ZD400	2		PCB	2.4%	.70*	15	15	300m%	0	70	K0298	M300	8 Bit;Output imped 1.0MΩ min;Acc ±.20%.
88	ZD401	2		PCB	2.4%	.70*	15	15	300m%	0	70	K0298	M300	10 Bit;Output imped 1.0MΩ min;Acc ±.05%.
89	411-8BIN-I	2		3DM	2.4%	.80*	15	15	450m%	0	70	K02157		8-Bit BIN;0 to -10V,±5,±10V;tconv 25us.
90	411-8BIN-V	2		3DM	2.4%	.80*	15	15	600m%	0	70	K02157		8-Bit BIN;0 to -10V,±5,±10V;tconv 25us.
91	411-10BIN-I	2		3DM	2.4%	.80*	15	15	450m%	0	70	K02158		10 Bit BIN;0 to -10V,±5V,±10V;tconv 25us.
92	411-10BIN-V	2		3DM	2.4%	.80*	15	15	600m%	0	70	K02157		10-Bit BIN;0 to -10V,±5,±10V;tconv 25us.
93	411-12BCD-I	2		3DM	2.4%	.80*	15	15	450m%	0	70	K02158		3 Digit BCD;0 to -10V;tconv 25us.
94	411-12BCD-V	2		3DM	2.4%	.80*	15	15	600m%	0	70	K02157		3-Digit BCD;0 to -10V;tconv 25us.
95	411-12BIN-I	2		3DM	2.4%	.80*	15	15	450m%	0	70	K02158		12 Bit BIN;0 to -10,±5,±10V;tconv 25us.
96	411-12BIN-V	2		3DM	2.4%	.80*	15	15	600m%	0	70	K02157		12-Bit BIN;0 to -10V,±5V,±10V;tconv 25us.
97	AD7520JD	2		MOS	2.4%	.80*	0.0	15	450m	0	75	K02123	M361	Multiplying;Norlinear .20%;Ri 10kΩ.
98	AD7520JN	2		MOS	2.4%	.80*	0.0	15	450m	0	75	K02123	M345a	Multiplying;Norlinear .20%;Ri 10kΩ.
99	AD7520KD	2		MOS	2.4%	.80*	0.0	15	450m	0	75	K02123	M361	Multiplying;Norlinear .10%;Ri 10kΩ.
100	AD7520KN	2		MOS	2.4%	.80*	0.0	15	450m	0	75	K02123	M345a	Multiplying;Norlinear .10%;Ri 10kΩ.
101	AD7520LD	2		MOS	2.4%	.80*	0.0	15	450m	0	75	K02123	M361	Multiplying;Norlinear .05%;Ri 10kΩ.
102	AD7520LN	2		MOS	2.4%	.80*	0.0	15	450m	0	75	K02123	M345a	Multiplying;Norlinear .05%;Ri 10kΩ.
103	AD7520SD	2		MOS	2.4%	.80*	0.0	15	450m	-55	125	K02123	M361	Multiplying;Norlinear .20%;Ri 10kΩ.
104	AD7520TD	2		MOS	2.4%	.80*	0.0	15	450m	-55	125	K02123	M361	Multiplying;Norlinear .10%;Ri 10kΩ.
105	AD7520UD	2		MOS	2.4%	.80*	0.0	15	450m	-55	125	K02123	M361	Multiplying;Norlinear .05%;Ri 10kΩ.
106	AD7521JD	2		MOS	2.4%	.80*	0.0	15	20mf	0	75	K02123a	M315	12 Bit Multiplying;Non lin .20%.
107	AD7521JN	2		MOS	2.4%	.80*	0.0	15	20mf	0	75	K02123a	M290	12 Bit Multiplying;Non lin .20%.
108	AD7521KD	2		MOS	2.4%	.80*	0.0	15	20mf	0	75	K02123a	M315	12 Bit Multiplying;Non lin .10%.
109	AD7521KN	2		MOS	2.4%	.80*	0.0	15	20mf	0	75	K02123a	M290	12 Bit Multiplying;Non lin .10%.
110	AD7521LD	2		MOS	2.4%	.80*	0.0	15	20mf	0	75	K02123a	M315	12 Bit Multiplying;Non lin .05%.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	AD7521LN	2		MOS	2.4%	.80*	0.0	15	20mt	0	75	K02123a	M290	12 Bit Multiplying;Non lin .05%.
2	AD7521SD	2		MOS	2.4%	.80*	0.0	15	20mt	-55	125	K02123a	M315	12 Bit Multiplying;Non lin .20%.
3	AD7521TD	2		MOS	2.4%	.80*	0.0	15	20mt	-55	125	K02123a	M315	12 Bit Multiplying;Non lin .10%.
4	AD7521UD	2		MOS	2.4%	.80*	0.0	15	20mt	-55	125	K02123a	M315	12 Bit Multiplying;Non lin .05%.
5▼	AD7522JD	2		MON	2.4%	.80*	10	15	1.0	0	75	K02183	M521	CMOS;Nonlinearity 0.2% FSR(8 Bit).
6▼	AD7522JN	2		MON	2.4%	.80*	10	15	1.2	0	75	K02183	M522	CMOS;Nonlinearity 0.2% FSR(8 Bit).
7▼	AD7522KD	2		MON	2.4%	.80*	10	15	1.0	0	75	K02183	M521	CMOS;Nonlinearity 0.1% FSR(9 Bit).
8▼	AD7522KN	2		MON	2.4%	.80*	10	15	1.2	0	75	K02183	M522	CMOS;Nonlinearity 0.1% FSR(9 Bit).
9▼	AD7522LD	2		MON	2.4%	.80*	10	15	1.0	0	75	K02183	M521	CMOS;Nonlinearity 0.05% FSR(10 Bit).
10▼	AD7522LN	2		MON	2.4%	.80*	10	15	1.2	0	75	K02183	M522	CMOS;Nonlinearity 0.95% FSR(10 Bit).
11▼	AD7522SD	2		MON	2.4%	.80*	10	15	1.0	-55	125	K02183	M521	CMOS;Nonlinearity 0.2% FSR(8 Bit).
12▼	AD7522TD	2		MON	2.4%	.80*	10	15	1.0	-55	125	K02183	M521	CMOS;Nonlinearity 0.1% FSR(9 Bit).
13▼	AD7522UD	2		MON	2.4%	.80*	10	15	1.0	-55	125	K02183	M521	CMOS;Nonlinearity 0.05% FSR(10 Bit).
14▼	DAC331-8	2		MOH	2.4%	.80*	0.0	5.0	20m	-55	125	K02192	M345b	8 Bit Mult DAC;Non Lin 0.2% of FSR max.
15▼	DAC331-10	2		MOH	2.4%	.80*	0.0	5.0	20m	-55	125	K02192	M345b	10 Bit Mult DAC;Non Lin 0.05% of FSR max.
16	DAC355-4BCD	2		3DM	2.4	.80	15	15	525m	0	70	K02137	M302k	4 Bit Binary Coded Decimal.
17	DAC355-14	2		3DM	2.4	.80	15	15	525m	0	70	K02137	M302k	Stability 7ppm/°C;Anal Linearity±0.003%max
18	DAC355-16	2		3DM	2.4	.80	15	15	525m	0	70	K02137	M302k	Stability 5ppm/°C;Anal Linearity±0.015%max
19	MC1406L	2		MON	2.4%	.80*†	0.0	5.0	120m	0	75	K0120	TO116	6 Bit;Multiplying D/A Converter.
20	MC1506L	2		MON	2.4%	.80*†	0.0	5.0	120m	-55	125	K0120	TO116	6 Bit;Multiplying D/A Converter.
21	MDA8F	2		3DM	2.4%	.80*	15	15	1.8 †	0	70	K02130	M374	8 Bits;Settling Time 40ns.
22	MN302	2		TFH	2.4%	.80*	15	15	400m	0	70	K0262	M244	8 Bit;Load Current 5.0mA;SR .50V/us.
23	MN302H	2		TFH	2.4%	.80*	15	15	400m	-55	125	K0262	M244	8 Bit;Load Current 5.0mA;SR .50V/us.
24	MN416	2		3DM	2.4%	.80*	15	15	760m§	0	70	K02114	M327	12 Bit;Input Register;Multi Range.
25	MN416H	2		3DM	2.4%	.80*	15	15	760m§	-55	125	K02114	M327	12 Bit;Input Register;Multi Range.
26	7722BFC	2		MON	2.5	.40	6.0	6.0	450m	-20	85	K0252	FP59	10-Bit Current Source.
27	7722FC	2		MON	2.5	.40	6.0	6.0	450m	-20	85	K0252	FP59	10-Bit Current Source.
28	ICL8018CPD	2		MON	2.5%	.40*	15	20	260m%	0	70	K0275	M126j	Quad;Io 1.0mA max;Vo 10V max;Error±.01%max
29	ICL8018MDD	2		MON	2.5%	.40*	15	20	260m%	-55	125	K0275	TO116	Quad;Io 1.0mA max;Vo 10V max;Error±.01%max
30	ICL8019CPD	2		MON	2.5%	.40*	15	20	260m%	0	70	K0275	M126j	Quad;Io 1.0mA max;Error ±.10% max
31	ICL8019MDD	2		MON	2.5%	.40*	15	20	260m%	-55	125	K0275	TO116	Quad;Io 1.0mA max;Vo 10V max;Error±.10%max
32	ICL8020CPD	2		MON	2.5%	.40*	15	20	260m%	0	70	K0275	M126j	Quad;Io 1.0mA max;Error±1.0% max.
33	ICL8020MDD	2		MON	2.5%	.40*	15	20	260m%	-55	125	K0275	TO116	Quad;Io 1.0mA max;Error±1.0% max.
34	MN360	2		TFH	2.5%	.40*	15	15	870m§	0	70	K02122	M325	12 Bit;Vo ±10V F.S;Settle Time 7.0us max.
35	MN360H	2		TFH	2.5%	.40*	15	15	870m§	-55	125	K02122	M325	12 Bit;Vo ±10V F.S;Settle Time 7.0us max.
36	MN362	2		TFH	2.5%	.40*	15	15	870m§	0	70	K02122	M325	12 Bit;Vo 0 to 10V;F.S;Settle Time 7us max
37	MN362H	2		TFH	2.5%	.40*	15	15	870m§	-55	125	K02122	M325	12 Bit;Vo 0 to 10V;F.S;Settle Time 7us max
38	MN364	2		TFH	2.5%	.40*	15	15	810m§	0	70	K02110	M325	12 Bit Io ±1.0mA F.S;Settle Time 3.0us max
39	MN364H	2		TFH	2.5%	.40*	15	15	810m§	-55	125	K02110	M325	12 Bit;Io±1.0mA F.S;Settle time 3.0us max
40	MN415	2		3DM	2.5%	.40*	15	15	660m§	0	70	K02113	M327	12 Bit;Multi Range Out;Int Ref.
41	MN415H	2		3DM	2.5%	.40*	15	15	660m§	-55	125	K02113	M327	12 Bit Multi Range Out;Int Ref.
42	MN417	2		3DM	2.5%	.40*	15	15	660m§	0	70	K02113	M327	12 Bit BCD;0 to 5,0 to 10 Vout Int Ref.
43	MN417H	2		3DM	2.5%	.40*	15	15	660m§	-55	125	K02113	M327	12 Bit BCD;0 to 5,0 to 10 Vout Int Ref.
44	DAC310-10	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283	M284	12 Bits;Accuracy VS.Temp. 15PPM/°C.
45	DAC310-11	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283	M284	12 Bits;Accuracy VS.Temp. 15PPM/°C.
46	DAC310-12	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283	M284	12 Bits;Accuracy VS.Temp. 15PPM/°C.
47	DAC310D10	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283a	M283	12 Bits;Accuracy VS.Temp. 15PPM/°C.
48	DAC310D11	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283a	M283	12 Bits;Accuracy VS.Temp. 15PPM/°C.
49	DAC310D12	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283a	M283	12 Bits;Accuracy VS.Temp. 15PPM/°C.
50♦	DAC328I4BCD	2		3DM	2.5%	.50*	15	15	450m%	0	70	K02136	M286	Stab 30ppm/°C max;Linearity ±0.01% max.
51♦	DAC328I16	2		3DM	2.5%	.50*	15	15	450m%	0	70		M286	Stab 30ppm/°C max;Linearity ±0.01% max.
52♦	DAC328V4BCD	2		3DM	2.5%	.50*	15	15	450m%	0	70	K02135	M534	Stab 30ppm/°C max;Linearity ±0.01% max.
53♦	DAC328V16	2		3DM	2.5%	.50*	15	15	450m%	0	70		M534	Stab 30ppm/°C max;Linearity ±0.01% max.
54	DAC371-2BCD	2		3DM	2.5%	.50*	0.0	15	150m%	0	70	K0282a	M285	8-Bit 2 Decade BCD;ACC.VS.Temp. 100PPM/°C.
55	DAC371-8	2		3DM	2.5%	.50*	0.0	15	150m%	0	70	K0282a	M285	8-Bit Binary;Acc.VS.Temp. 100PPM/°C.
56	DAC371I10	2		3DM	2.5	.50	15	15	375m%	0	70	K02100	M309a	Cur. Out 0 to 4mA;Settling Time 1uS.
57	DAC371I10BCD	2		3DM	2.5	.50	15	15	375m%	0	70	K02100	M309a	Cur. Out 0 to 4mA;Settling Time 1uS.
58	DAC371V10	2		3DM	2.5	.50	15	15	525m%	0	70	K02101	M310	Volt Out ±5V, 0 to 10V;Settling Time 10uS.
59	DAC371V10BCD	2		3DM	2.5	.50	15	15	525m%	0	70	K02101	M310	Volt Out ±5V, 0 to 10V;Settling Time 10uS.
60	DAC372-8	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	8 Bits;Accuracy VS.Temp. 50PPM/°C max.
61	DAC372-10	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	10 Bits;Accuracy VS.Temp. 30PPM/°C max.
62	DAC372-11	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	11 Bits;Accuracy VS.Temp. 30PPM/°C max.
63	DAC372-12	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	12 Bits;Accuracy VS.Temp. 30PPM/°C max.
64	DAC372-12BCD	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	3 Decade BCD;ACC.VS.Temp. 30PPM/°C max.
65	DAC372I8	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0285	M286	8 Bits;Accuracy VS.Temp. 50PPM/°C max.
66	DAC372I10	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0285	M286	10 Bits;Accuracy VS.Temp. 30PPM/°C max.
67	DAC372I11	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0285	M286	11 Bits;Accuracy VS.Temp. 30PPM/°C max.
68	DAC372I12	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0285	M286	12 Bits;Accuracy VS.Temp. 30PPM/°C max.
69	DAC372I12BCD	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0285	M286	3 Decade BCD;Acc.VS.Temp. 30PPM/°C max.
70	DAC372WB8	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	8 Bits;Accuracy VS.Temp. 50PPM/°C max.
71	DAC372WB10	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	10 Bits;Accuracy VS.Temp. 30PPM/°C max.
72	DAC372WB11	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	11 Bits;Accuracy VS.Temp. 30PPM/°C max.
73	DAC372WB12	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	12 Bits;Accuracy VS.Temp. 30PPM/°C max.
74	DAC372WB12BCD	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	3 Decade BCD;Acc. VS.Temp. 30PPM/°C max.
75	DAC373I3BCD	2		3DM	2.5	.50	15	15	225m%	0	70	K02138a	M389	Stab 50ppm/°C;Anal Linearity ±0.05% max.
76	DAC373I12	2		3DM	2.5	.50	15	15	225m%	0	70	K02138	M389	Stab 50ppm/°C;Anal Linearity ±0.025% max.
77	DAC390-10	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283	M284	12 Bits;Accuracy VS.Temp. 30PPM/°C.
78	DAC390-11	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283	M284	12 Bits;Accuracy VS.Temp. 30PPM/°C.
79▼	DAC390-12	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283	M539	12 Bit;Settling Time 50ns;Iout 5mA.
80	DAC390D10	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283a	M283	12 Bits;Accuracy VS.Temp. 30PPM/°C.
81	DAC390D11	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283a	M283	12 Bits;Accuracy VS.Temp. 30PPM/°C.
82▼	DAC390D12	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283a	M539a	12 Bit;Settling Time 50ns;Iout 5mA.
83	DAC395-12A	2		3DM	2.5	.50	15	15	900m%	0	70	K02102	M304e	12-Bit;Linearity ±.0125%
84	DAC395-12B	2		3DM	2.5	.50	15	15	900m%	0	70	K02102	M304e	12-Bit;Linearity ±.025%
85	DAC395-12C	2		3DM	2.5	.50	15	15	900m%	0	70	K02102	M304e	12-Bit;Linearity ±.05%
86▼	DAC1108	2		3DM	2.5%	.50*	15	15	780m%	0	70	K02184	M444a	12 Bit;Tempco 30ppm/°C.
87♦	DAC316-3BCD	2		3DM	2.5%	.80*	15	15	600m%	0	70	K02134	M388	Stab ±25ppm/°C max;Linearity ±0.05% max.
88♦	DAC316-10	2		3DM	2.5%	.80*	15	15	600m%	0	70	K02134	M388	Stab ±25ppm/°C max;Linearity ±0.05% max.
89♦	DAC316-11	2		3DM	2.5%	.80*	15	15	600m%	0	70	K02134	M388	Stab ±25ppm/°C max;Linearity ±0.025% max.
90♦	DAC316-12	2		3DM	2.5%	.80*	15	15	600m%	0	70	K02134	M388	Stab ±25ppm/°C max;Linearity ±0.0125% max.
91	MN380	2		TFH	2.5%	.80*	15	15	600m§	0	70	K02111	M326	8 Bit plus Sign Multiplying;VREF ±13V.
92	MN410	2		TFH	2.5%	.80*	15	15	600m	0	70	K0268	M245	9 Bit;Load Current 5.0mA;SR .50V/us.
93	MN410H	2		TFH	2.5%	.80*	15	15	600m	-55	125	K0268	M245	9 Bit;Load Current 5.0mA;SR .50V/us.
94	MN412	2		3DM	2.5%	.80*	15	15	700m§	0	70	K02112	M245a	11 Bit plus Sign Multiplying;VREF ±13V.
95	MN412H	2		3DM	2.5%	.80*	15	15	700m§	-55	125	K02112	M245a	11 Bit plus Sign Multiplying;VREF ±13V.
96	MN413	2		TFH	2.5%	.80*	15	5.0	600m	0	70	K0290	M245a	11 Bit;LSB 1/2;Settling Time 2.0uS.
97	MN413H	2		TFH	2.5%	.80*	15	5.0	600m	-55	125	K0290	M245a	11 Bit;LSB 1/2;Settling Time 2.0uS.
98	ZD429	2			3.0%	.40*	15	15	300m%	0	70	K0271	M259	2 Digit;Settling time 20us;Acc ±.20%.
99	ZD430	2			3.0%	.40*	15	15	300m%	0	70	K0270	M259	8 bit;Settling time 20us;Acc ±.10%.
100	ZD430E1	2		MOH	3.0%	.40*	15	15	350m	-25	85	K0272	M260	8 bit;Settling time 10us;Vo 10V.
101	ZD430E11	2		MOH	3.0%	.40*	15	15	350m	-25	85	K0272	M260	8 bit;Settling time 25us;Vo 10V.
102	ZD430E20	2		MOH	3.0%	.40*	15	15	350m	-25	85	K0272	M260	7 bit;Settling time 10us;Vo ±10V.
103	ZD430E21	2		MOH	3.0%	.40*	15	15	350m	-25	85	K0272	M260	7 bit;Settling time 25us;Vo ±10V.
104	ZD431	2			3.0%	.40*	15	15	300m%	0	70	K0270	M259	10 bit;Settling time 20us;Acc ±.10%.
105	ZD432	2			3.0%	.40*	15	15	525m%	0	70	K0270	M259	12 bit;Settling time 20us;Acc ±.05%.
106	ZD433	2			3.0%	.40*	15	15	300m%	0	70	K0271	M259	3 Digit;Settling time 20us;Acc ±.10%.
107	ZD440	2			3.0%	.40*	15	15	750m%	0	70	K0270	M259	8 bit;Settling time 2.0us;Acc ±.10%.
108	ZD441	2			3.0%	.40*	15	15	750m%	0	70	K0270	M259	10 bit;Settling time 5.0us;Acc ±.10%.
109	7560	2	30M	3DM	3.0	.60	15	15	810m	-55	100		M254a	4 Bit Binary;5.0VFS Out.
110	7561	2	30M	3DM	3.0	.60	15	15	810m	-55	100		M254a	6 Bit Binary;5.0VFS Out.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	7562	2	30M	3DM	3.0	.60	15	15	810m	-55	100		M254a	8 Bit Binary;5.0VFS Out.
2	7563	2	30M	3DM	3.0	.60	15	15	810m	-55	100		M254a	10 Bit Binary;5.0VFS Out.
3	MN311	2		3DM	3.0%	1.0*	15	15	275m†	0	70	K0286	M287	3 Decade BCD;Tset .50us max.
4	MN312	2		3DM	3.0%	1.0*	15	15	275m†	0	70	K0286	M287	12 Bits;Tset .50us max.
5	DAC9-8BI	2	5.0M†	3DM	3.2%	.80*	0.0	15	150m†	0	70	K02144	M421	8 BIN Bits,lo 2.6mA at 1.2V.
6	DAC9-8BIR	2	5.0M%	3DM	3.2%	.80*	15	15	300m†	0	70	K02144g	M421	8 BIN Bits;lo 2.5mA at 1.2V.
7	DAC9-8DI	2	5.0M†	3DM	3.2%	.80*	0.0	15	150m†	0	70	K02144a	M421	2 Dig.BCD,lo 2.6mA at 1.2V.
8	DAC9-8DIR	2	5.0M%	3DM	3.2%	.80*	15	15	300m†	0	70	K02144h	M421a	2 Dig.BCD;lo 2.5mA at 1.2V.
9	DAC19-8B	2	5.0M†	3DM	3.2%	.80*	15	15	330m†	0	70	K02144b	M421a	8 BIN Bits,Vo 10V at 5.0mA.
10	DAC19-8BI	2	5.0M†	3DM	3.2%	.80*	15	15	330m†	0	70	K02144b	M421a	8 BIN Bits,lo 2.5mA at 1.2V.
11	DAC19-8D	2	5.0M†	3DM	3.2%	.80*	15	15	330m†	0	70	K02144c	M421a	2 Dig.BCD,Vo 10V at 2.5mA.
12	DAC19-8DI	2	5.0M†	3DM	3.2%	.80*	15	15	330m†	0	70	K02144c	M421a	2 Dig.BCD,lo 2.5mA at 1.2V.
13	DAC29-8B	2	5.0M†	3DM	3.2%	.80*	15	15	330m†	0	70	K02144b	M421a	8 BIN Bits,Vo 10V at 2.5mA.
14	DAC29-8D	2	5.0M†	3DM	3.2%	.80*	15	15	330m†	0	70	K02144c	M421a	2 Dig.BCD,Vo 10V at 2.5mA.
15	DAC49-10B	2	5.0M†	3DM	3.2%	.80*	15	15	600m†	0	70	K02144d	M421b	10 BIN Bits,Vo 10V at 2.5mA.
16	DAC49-10BI	2	5.0M†	3DM	3.2%	.80*	15	15	600m†	0	70	K02144d	M421b	10 BIN Bits,lo 2.5mA at 1.2V.
17	DAC49-12D	2	5.0M†	3DM	3.2%	.80*	15	15	600m†	0	70	K02144e	M421b	3 Dig.BCD,Vo 10V at 2.5mA.
18	DAC49-12DI	2	5.0M†	3DM	3.2%	.80*	15	15	600m†	0	70	K02144e	M421b	3 Digit BCD,lo 2.5mA at 1.2V.
19	DAC69-12B	2	5.0M%	3DM	3.2%	.80*	15	15	600m†	0	70	K02144f	M421b	12 BIN Bits,Vo 10V at 2.5mA.
20	DAC69-12BI	2	5.0M%	3DM	3.2%	.80*	15	15	600m†	0	70	K02144f	M421b	12 BIN Bits,lo 2.5mA at 1.2V.
21▼	DG515ADICE	2	2.0MΔ	MOS	4.0%	1.0*	0.0	8.0		-55	125	K02194		4xSPDT Summing Node SW/for D/A Conv.
22▼	DG515AP	2	2.0MΔ	MOS	4.0%	1.0*	0.0	8.0	825m	-55	125	K02194	M535	4xSPDT Summing Node SW/for D/A Conv.
23▼	DG515BDICE	2	2.0MΔ	MOS	4.0%	1.0*	0.0	8.0		-20	85	K02194		4xSPDT Summing Node SW/for D/A Conv.
24▼	DG515BP	2	2.0MΔ	MOS	4.0%	1.0*	0.0	8.0	825m	-20	85	K02194	M535	4xSPDT Summing Node SW/for D/A Conv.
25▼	DG515CDICE	2	2.0MΔ	MOS	4.0%	1.0*	0.0	8.0		0	70	K02194		4xSPDT Summing Node SW/for D/A Conv.
26▼	DG515CJ	2	2.0MΔ	MOS	4.0%	1.0*	0.0	8.0	825m	0	70	K02194	M344b	4xSPDT Summing Node SW/for D/A Conv.
27▼	DG516ADICE	2	2.0MΔ	MOS	4.0%	1.0*	0.0	8.0		-55	125	K02195		10xSPDT Summing Node SW/for D/A Conv.
28▼	DG516AR	2	2.0MΔ	MOS	4.0%	1.0*	0.0	8.0	1.2	-55	125	K02195	M536	10xSPDT Summing Node SW/for D/A Conv.
29▼	DG516BDICE	2	2.0MΔ	MOS	4.0%	1.0*	0.0	8.0		-20	85	K02195		10xSPDT Summing Node SW/for D/A Conv.
30▼	DG516BR	2	2.0MΔ	MOS	4.0%	1.0*	0.0	8.0	1.2	-20	85	K02195	M536	10xSPDT Summing Node SW/for D/A Conv.
31▼	DG516CDICE	2	2.0MΔ	MOS	4.0%	1.0*	0.0	8.0		0	70	K02195		10xSPDT Summing Node SW/for D/A Conv.
32▼	DG516CJ	2	2.0MΔ	MOS	4.0%	1.0*	0.0	8.0	1.2	0	70	K02195	M478a	10xSPDT Summing Node SW/for D/A Conv.
33	3700-43-3J	2		MOS	5.0	0.0	35	.30	200mΔ	-55	85	K0245	FP28b	4 Channel Multiplexer.
34	3705-43-6J	2		MOS	5.0	0.0	35	.30	200mΔ	-55	85	K3811	M148	8 Channel Multiplexer.
35	DAC10DF	2		3DM	5.0%	.80*	15	15	8.0 §	0	70			10 bits;Settling Time 50ns to 1LSB.
36	3700-42-3J	2		MOS	5.0	5.0	50	.30	200mΔ	-55	85	K0245	FP28b	4 Channel Multiplexer.
37	3705-42-6J	2		MOS	5.0	5.0	35	.30	200mΔ	-55	85	K3811	M148	8 Channel Multiplexer.
38	849	2	1.0MΔ	MOH	8.0%	1.5*	15	15	375m	-55	125	K0274	M196b	4 Quad;13 Bit;±10V DC Ref or 20Vpp AC Ref.
39	872	2		MOH	8.7%	1.3*	15	15		-55	125	K02132	M382	12 bit CMOS DAC 1/2LSB Linearity typ.
40	872D1	2		MOH	8.7%	1.3*	15	15	40m%	-55	125	K02174	M508	12 Bit DAC;FS Range ±10V;Lin ±4.8mV max.
41	872D2	2		MOH	8.7%	1.3*	15	15	40m%	-55	125	K02174	M508	12 Bit DAC;FS Range ±10V;Lin ±9.7mV max.
42	3750-4-6H	2	500k	MOS	-9.0%	-2.0*	29	0.0	190m	-55	150		M132	10 bit D/A conv. Serial or Parallel input.
43♦	DAC385I2BCD	2		3DM	10	9.4	0.0	15	16m%	0	70	K0282a	M309c	2 Decades BCD;Analog Lin ±1/2 LSB.
44♦	DAC385I8	2		3DM	10	9.4	0.0	15	16m%	0	70	K0282a	M309c	8 Bit Bin;Analog Lin ±1/2 LSB.
45	DACCM8B	2		3DM	12%	0.0*	15	15	42m%	0	70	K02146	M423	8 BIN Bits;Vo ±10V,lo 2.0mA;TC ±30ppm/°C.
46	DACCM10B	2		3DM	12%	0.0*	15	15	42m%	0	70	K02146	M423	10 BIN Bits;Vo ±10V,lo 2.0mA;TC±30ppm/°C.
47	DACCM12B	2		3DM	12%	0.0*	15	15	42m%	0	70	K02146	M423	12 BIN Bits;Vo ±10V,lo 2.0mA;TC±30ppm/°C.
48	DAC1106-001	2		3DM	15%	.80*	15	15	1.2 §	0	70	K02129a	M373a	8 bits;Set.Time 25us;Line.± 1/2LSB max.
49	DAC1106-002	2		3DM	15%	.80*	15	15	1.2 §	0	70	K02129	M373	10 bits;Set.Time 25us;Line.± 1/2LSB max.
50	9908HC	3		MON			0.0	3.6		0	70	K0311	TO99	1 Ckt;Fan Out 7.
51	SN17908L	3		MON			0	8	250m	-55	125	K0311	CN13	1 Ckt; RTL; Fan out - 7
52	MC9704P	3	8.0M	MON			0.0	3.6	265m†	15	55	K0319	M278	4Bit Parallel Full Adder;RTL;tpd 125ns.
53	MC9804P	3	8.0M	MON			0.0	3.6	265m†	0	75	K0319	M278	4Bit Parallel Full Adder;RTL;tpd 125ns.
54	MC896P	3		MON	.80%	.50*	0	4	84m†	0	75		TO116	Dual Full Adders;tpd 60ns typ.
55	MC996F	3		MON	.82%	.57*	0	4	70m†	-55	125		TO86	Dual Full Adders;tpd 60ns typ.
56	MC796P	3		MON	.85%	.46*	0	4	84m†	0	75		TO116	Dual Full Adder;tpd 60ns typ.
57	MC896F	3		MON	.85%	.56*	0	4	70m†	-55	125		TO86	Dual Full Adders;tpd 60ns typ.
58	MC1019P	3		MON	-.85%	-1.5*†	5.2	0.0	145m	0	75	K0317	TO116	ECT;Carry tpd 4.0ns;Fan Out 25.
59	MC1059P	3		MON	-.85%	-1.5*†	5.2	0.0	375m†	0	75	K0337	M278	Dual;tpd 9.0ns typ.
60	MC1219F	3		MON	-.85%	-1.5*†	5.2	0.0	145m	-55	125	K0317	TO86	ECT;Carry tpd 4.0ns;Fan Out 25.
61	MC1219L	3		MON	-.85%	-1.5*†	5.2	0.0	145m	-55	125	K0317	TO116	ECT;Carry tpd 4.0ns;FanOut 25.
62	MC1259F	3		MON	-.85%	-1.5*†	5.2	0.0	375m	-55	125	K0337	TO86	Dual;tpd 9.0ns typ.
63	MC1259L	3		MON	-.85%	-1.5†*	5.2	0.0	375m†	-55	125	K0337	M191	Dual; tpd 9.0ns typ.
64#	T152D2	3		MON	1.4%	.90*	0.0	5.0	150m†	-55	125	K0318b	M200m	Dual;tpd 45ns max.
65#	T152B1	3		MON	1.6%	.85*	0.0	5.0	150m†	0	75	K0318b	M267	Dual;tpd 45ns max.
66#	T152D1	3		MON	1.6%	.85*	0.0	5.0	150m†	0	75	K0318b	M200m	Dual;tpd 45ns max.
67	SN54LS83AJ	3		MON	2.0%	.70*	0.0	5.0	95m	-55	125	K0350	M153d	4 Bit Binary w/Fast Carry;tpd 24ns max.
68	SN54LS83AW	3		MON	2.0%	.70*	0.0	5.0	95m	-55	125	K0350	Δ004AG	4 Bit Binary w/Fast Carry;tpd 24ns max.
69	SN54LS283J	3		MON	2.0%	.70*	0.0	5.0	95m†	-55	125	K0350a	M153d	4 Bit Binary w/Fast Carry;tpd 24ns max.
70	SN54LS283W	3		MON	2.0%	.70*	0.0	5.0	95m†	-55	125	K0350a	Δ004AG	4 Bit Binary w/Fast Carry;tpd 24ns max.
71	9304DC	3		MON	2.0%	.80*	0.0	5.0	275m%	0	75	K0318	M224c	Dual;lo 30mA max;tpd 45ns max.
72	9304DM	3		MON	2.0%	.80*	0.0	5.0	275m%	-55	125	K0318	M224c	Dual;lo 30mA max;tpd 45ns max.
73	9304FC	3		MON	2.0%	.80*	0.0	5.0	150m†	0	75	K0318	FP47b	Dual;tpd 45ns max.
74	9304FM	3		MON	2.0%	.80*	0.0	5.0	275m%	-55	125	K0318	FP79b	Dual;lo 30mA max;tpd 45ns max.
75	9304PC	3		MON	2.0%	.80*	0.0	5.0	275m%	0	75	K0318	M357	Dual;lo 30mA max;tpd 45ns max.
76	9380DC	3		MON	2.0%	.80*	0.0	5.0	175m§	0	70	K0313	TO116	Full;tpd 80ns max.
77	9380DM	3		MON	2.0%	.80*	0.0	5.0	175m§	-55	125	K0313	TO116	Full;tpd 80ns max.
78	9380FC	3		MON	2.0%	.80*	0.0	5.0	175m§	0	70	K0313	FP115	Full;tpd 80ns max.
79	9380FM	3		MON	2.0%	.80*	0.0	5.0	175m§	-55	125	K0313	FP115	Full;tpd 80ns max.
80	9382DC	3		MON	2.0%	.80*	0.0	5.0	290m§	0	70	K0314	TO116	2-Bit Full;tpd 42ns max.
81	9382DM	3		MON	2.0%	.80*	0.0	5.0	290m§	-55	125	K0314	TO116	2-Bit Full;tpd 42ns max.
82	9382FC	3		MON	2.0%	.80*	0.0	5.0	290m§	0	70	K0314	FP115	2-Bit Full;tpd 42ns max.
83	9382FM	3		MON	2.0%	.80*	0.0	5.0	290m§	-55	125	K0314	FP115	2-Bit Full;tpd 42ns max.
84	9383DC	3		MON	2.0%	.80*	0.0	5.0	640m§	0	70	K0320	M200j	4-Bit Binary Full;tpd 60ns max.
85	9383DM	3		MON	2.0%	.80*	0.0	5.0	640m§	-55	125	K0320	M200j	4-Bit Binary Full;tpd 60ns max.
86	9383FC	3		MON	2.0%	.80*	0.0	5.0	640m§	0	70	K0320	FP47b	4-Bit Binary Full;tpd 60ns max.
87	9383FM	3		MON	2.0%	.80*	0.0	5.0	640m§	-55	125	K0320	FP47b	4-Bit Binary Full;tpd 60ns max.
88	DM5483J	3		MON	2.0%	.80*	0.0	5.0	395m%	-55	125	K0358	M200r	4 bit,dual single bit Binary;tpd 50ns max.
89	DM5483W	3		MON	2.0%	.80*	0.0	5.0	395m%	-55	125	K0358	FP88a	4 bit,dual single bit Binary;tpd 50ns max.
90	DM7483J	3		MON	2.0%	.80*	0.0	5.0	395m%	0	70	K0358	M200r	4 Bit,Dual Single Bit Binary;tpd 50ns max
91	DM7483N	3		MON	2.0%	.80*	0.0	5.0	395m%	0	70	K0358	M345	4 bit,dual single bit Binary;tpd 50ns max.
92#	FJH191-7480	3		MON	2.0%	.80*	0.0	5.0	105m†	0	70	K0313	M126f	Binary w/Grated Comp. inputs.
93#	FJH201-7482	3		MON	2.0%	.80*	0.0	5.0	175m†	0	70	K0340	M126f	2-Bit Binary;Fanout 10.
94#	FJH211-7483	3		MON	2.0%	.80*	0.0	5.0	390m†	0	70	K0315	M117q	4-Bit Binary;Fanout 10.
95♦#	FLH221-7480	3		MON	2.0%	.80*	0.0	5.0	175m§	0	70	K0341	M126p	1 Bit;tpd 80ns max;FO 10 max.
96♦#	FLH225-8480	3		MON	2.0%	.80*	0.0	5.0	175m§	-25	85	K0341	M126p	1 Bit;tpd 80ns max;FO 10 max.
97♦#	FLH231-7482	3		MON	2.0%	.80*	0.0	5.0	290m§	0	70	K0342	M126p	2 Bit;tpd 42ns max;FO 10 max.
98♦#	FLH235-8482	3		MON	2.0%	.80*	0.0	5.0	290m§	-25	85	K0342	M126p	2 Bit;tpd 42ns max;FO 10 max.
99♦#	FLH241-7483	3		MON	2.0%	.80*	0.0	5.0	640m§	0	70	K0343	M117w	4 Bit;tpd 60ns max;FO 10 max.
100♦#	FLH245-8483	3		MON	2.0%	.80*	0.0	5.0	640m§	-25	85	K0343	M117w	4 Bit;tpd 60ns max;FO 10 max.
101♦#	FLH451-74H183	3		MON	2.0%	.80*	0.0	5.0	375m§	0	70	K0332	M126p	1 Bit Dual Carry-Save;tpd18ns max;FO24 max
102♦#	FLH455-84H183	3		MON	2.0%	.80*	0.0	5.0	375m§	-25	85	K0332	M126p	1 Bit Dual Carry-Save;tpd18ns max;FO24 max
103▼#	FLH661-7483A	3		MON	2.0%	.80*	0.0	5.0	550m§	0	70	K0350	M117w	4 Bit;tpd 24ns max;FO 20 max.
104▼#	FLH661-74283	3		MON	2.0%	.80*	0.0	5.0	550m§	0	70	K0350a	M117w	4 Bit;tpd 24ns max;FO 20 max.
105▼#	FLH665-8433A	3		MON	2.0%	.80*	0.0	5.0	550m§	-25	85	K0350	M117w	4 Bit;tpd 24ns max;FO 20 max.
106▼#	FLH665-84283	3		MON	2.0%	.80*	0.0	5.0	550m§	-25	85	K0350a	M117w	4 Bit;tpd 24ns max;FO 20 max.
107	I751	3		PCB	2.0	.80	0.0	5.0		0	70		CB☑	Gated Full Adder.
108	ITT5482J	3		MON	2.0%	.80*	0.0	5.0		-55	125	K0314	M157	2 bit binary full adder.
109	ITT5483J	3		MON	2.0%	.80*	0.0	5.0		-55	125	K0320	M153	4 bit binary full adder.
110	ITT7482J	3		MON	2.0%	.80*	0.0	5.0		0	70	K0314	M157	2 bit binary full adder.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	ITT7483J	3		MON	2.0%	.80*	0.0	5.0		0	70	K0320	M153	4 bit binary full adder.
2	JANM38510/00601BAA	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	FP115	2 bit;Is 50mA;tpd 61ns max.
3	JANM38510/00601BAB	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	FP115	2 bit;Is 50mA;tpd 61ns max.
4	JANM38510/00601BAC	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	FP115	2 bit;Is 50mA;tpd 61ns max.
5	JANM38510/00601BCA	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	M314	2 Bit;Is 50mA;tpd 61ns max.
6	JANM38510/00601BCB	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	M314	2 bit;Is 50mA;tpd 61ns max.
7	JANM38510/00601BCC	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	M314	2 bit;Is 50mA;tpd 61ns max.
8	JANM38510/00601BDC	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	FP116	2 bit;Is 50mA;tpd 65ns max.
9	JANM38510/00601CAA	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	FP115	2 bit;Is 50mA;tpd 61ns max.
10	JANM38510/00601CAB	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	FP115	2 bit;Is 50mA;tpd 61ns max.
11	JANM38510/00601CAC	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	FP115	2 bit;Is 50mA;tpd 61ns max.
12	JANM38510/00601CCA	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	M314	2 Bit;Is 50mA;tpd 61ns max.
13	JANM38510/00601CCB	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	M314	2 bit;Is 50mA;tpd 61ns max.
14	JANM38510/00601CCC	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	M314	2 bit;Is 50mA;tpd 61ns max.
15	JANM38510/00602BEB	3		MON	2.0%	.80*	0.0	5.5	600m	-55	125	K0356	M323	4 bit;Is 100mA;tpd 51ns max.
16	JANM38510/00602BFB	3		MON	2.0%	.80*	0.0	5.5	600m	-55	125	K0356	FP117	4 bit;Is 100mA;tpd 51ns max.
17	JANM38510/00602CEB	3		MON	2.0%	.80*	0.0	5.5	600m	-55	125	K0356	M323	4 bit;Is 100mA;tpd 51ns max.
18	JANM38510/00602CFB	3		MON	2.0%	.80*	0.0	5.5	600m	-55	125	K0356	FP117	4 bit;Is 100mA;tpd 51ns max.
19	JANM38510/00603BEA	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0357	M323	Dual;Is 50mA.
20	JANM38510/00603BEB	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0357	M323	Dual;Is 50mA.
21	JANM38510/00603BFB	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0357	FP117	Dual;Is 50mA.
22	JANM38510/00603CEA	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0357	M323	Dual;Is 50mA.
23	JANM38510/00603CEB	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0357	M323	Dual;Is 50mA.
24	JANM38510/00603CFB	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0357	FP117	Dual;Is 50mA.
25#	M53280P	3		MON	2.0%	.80*	0.0	7.0	105m	0	75	K0313	M105j	TTL
26#	M53283P	3		MON	2.0%	.80*	0.0	7.0	39mt	0	75	K0315	M153b	4-Bit Binary Full Adder.
27#	M54304P	3		MON	2.0%	.80*	0.0	7.0	150m	0	75	K0321	M153b	2ckts.
28	MC15482F	3		MON	2.0	.80	0.0	5.0	165mt	-55	125	K0323	TO86	2-Bit;Fan Out 10;Vol .40V;Voh 2.4V.
29	MC15482L	3		MON	2.0	.80	0.0	5.0	165mt	-55	125	K0323	TO116	2 Bit;Fan Out 10;Vol .40V;Voh 2.4V.
30	MC17482F	3		MON	2.0	.80	0.0	5.0	165mt	0	75	K0323	TO86	2-Bit;Fan Out 10;Vol .40V;Voh 2.4V.
31	MC17482L,P%	3		MON	2.0	.80	0.0	5.0	165mt	0	75	K0323	TO116	2-Bit;Fan Out 10;Vol .40V;Voh 2.4V.
32	MC25482F	3		MON	2.0	.80	0.0	5.0	165mt	-55	125	K0323	TO86	2-Bit;Fan Out 10;Vol .40V;Voh 2.4V.
33	MC25482L	3		MON	2.0	.80	0.0	5.0	165mt	-55	125	K0323	TO116	2-Bit;Fan Out 10;Vol .40V;Voh 2.4V.
34	MC27482F	3		MON	2.0	.80	0.0	5.0	165mt	0	75	K0323	TO86	2-Bit;Fan Out 10;Vol .40V;Voh 2.4V.
35	MC27482L,P%	3		MON	2.0	.80	0.0	5.0	165mt	0	75	K0323	TO116	2-Bit;Fan Out 10;Vol .40V;Voh 2.4V.
36#	MIC5480J	3		MON	2.0%	.80*	0.0	5.0		-55	125	K0313	TO116	Gated Full Adder.
37♦#	MIC5482J	3		MON	2.0%	.80*	0.0	5.0	175mt	-55	125	K0314	TO116	2 Bit Binary;tpd 15ns;FO 10 max.
38♦#	MIC5483J	3		MON	2.0%	.80*	0.0	5.0	390mt	-55	125	K0320	M153g	4 bit Binary;tpd 29ns;Fan Out 10 max.
39#	MIC6480J	3		MON	2.0%	.80*	0.0	5.0		-40	85	K0313	TO116	Gated Full Adder.
40#	MIC6482J	3		MON	2.0%	.80*	0.0	5.0	175mt	-40	85	K0314	TO116	2 Bit Binary.
41#	MIC6483J	3		MON	2.0%	.80*	0.0	5.0	390mt	-40	85	K0320	M153a	4 bit Binary;tpd 29ns;Fan Out 10 max.
42#	MIC7480J	3		MON	2.0%	.80*	0.0	5.0		0	75	K0313	TO116	Gated Full Adder.
43#	MIC7480N	3		MON	2.0%	.80*	0.0	5.0		0	75	K0313	TO116	Gated Full Adder.
44♦#	MIC7482J	3		MON	2.0%	.80%	0.0	5.0	175mt	0	75	K0314	TO116	2 Bit Binary;tpd 15ns;FO 10 max.
45♦#	MIC7482N	3		MON	2.0%	.80*	0.0	5.0	175mt	0	75	K0314	M126x	2 Bit Binary;tpd 15ns;FO 10 max.
46♦#	MIC7483J	3		MON	2.0%	.80*	0.0	5.0	390mt	0	75	K0320	M153g	4 bit Binary;tpd 29ns;Fan Out 10 max.
47♦#	MIC7483N	3		MON	2.0%	.80*	0.0	5.0	390mt	0	75	K0320	M117ab	4 Bit Binary;tpD 29ns;Fan Out 10 max.
48♦	N7480A	3		MON	2.0%	.80*	0.0	5.0	175m§	0	70	K0363	M318	Gated;tpd 80ns max;FO 10 max.
49▼	N7480F	3		MON	2.0%	.80*	0.0	5.0	175m§	0	70	K0363	M257f	Gated;tpd 80ns max;FO 10 max.
50♦	N7483B	3		MON	2.0%	.80*	0.0	5.0	395m§	0	70	K0349	M317	4 Bit Binary;tpd 50ns max;FO 10 max.
51▼	N7483F	3		MON	2.0%	.80*	0.0	5.0	395m§	0	70	K0349	M200v	4 Bit Binary;tpd 50ns max;FO 10 max.
52	NC7483N	3		MON	2.0%	.80*	0.0	7.0	70mt	0	70	K0315	M117	4-Bit Binary full adder.
53♦	S5480A	3		MON	2.0%	.80*	0.0	5.0	155m§	-55	125	K0363	M318	Gated;tpd 80ns max;FO 10 max.
54▼	S5480F	3		MON	2.0%	.80*	0.0	5.0	155m§	-55	125	K0363	M257f	Gated;tpd 80ns max;FO 10 max.
55▼	S5480W	3		MON	2.0%	.80*	0.0	5.0	155m§	-55	125	K0363a	FP39e	Gated;tpd 80ns max;FO 10 max.
56▼	S5483B	3		MON	2.0%	.80*	0.0	5.0	395m§	-55	125	K0349	M317	4 Bit Binary;tpd 50ns max;FO 10 max.
57▼	S5483F	3		MON	2.0%	.80*	0.0	5.0	395m§	-55	125	K0349	M200v	4 Bit Binary;tpd 50ns max;FO 10 max.
58▼	S5483W	3		MON	2.0%	.80*	0.0	5.0	395m§	-55	125	K0349	FP47g	4 Bit Binary;tpd 50ns max;FO 10 max.
59#	SFC483E	3		MON	2.0%	.80*	0.0	5.0		0	70		M117	4 bit binary full adder.
60#	SFC483EM	3		MON	2.0%	.80*	0.0	5.0		-55	125		M117	4 bit binary full adder.
61#	SFC483ET	3		MON	2.0%	.80*	0.0	5.0		-25	85		M117	4 bit binary full adder.
62	SN54H183J	3		MON	2.0%	.80*	0.0	5.0	220mt	-55	125	K0332	M157b	Dual carry-save;tpD 11ns;FanOut 20.
63	SN54H183N	3		MON	2.0%	.80*	0.0	5.0	220mt	-55	125	K0332	M126a	Dual carry-save;tpD 11ns; FanOut 20.
64	SN54H183W	3		MON	2.0%	.80*	0.0	5.0	220mt	-55	125	K0332	Δ004AA	Dual carry-save;tpd 11ns;Fan Out 20.
65	SN74H183J	3		MON	2.0%	.80*	0.0	5.0	220mt	0	70	K0332	M157b	Dual carry-save;tpD 11ns; Fan Out 20.
66	SN74H183N	3		MON	2.0%	.80*	0.0	5.0	220mt	0	70	K0332	M126e	Dual carry-save;tpD 11ns; FanOut 20.
67	SN74LS83AJ	3		MON	2.0%	.80*	0.0	5.0	95mt	0	70	K0350	M153d	4 Bit Binary w/Fast Carry;tpd 24ns max.
68	SN74LS83AN	3		MON	2.0%	.80*	0.0	5.0	95mt	0	70	K0350	M117x	4 Bit Binary w/Fast Carry;tpd 24ns max.
69	SN74LS283J	3		MON	2.0%	.80*	0.0	5.0	95mt	0	70	K0350a	M153d	4 Bit Binary w/Fast Carry;tpd 24ns max.
70	SN74LS283N	3		MON	2.0%	.80*	0.0	5.0	95mt	0	70	K0350a	M117x	4 Bit Binary w/Fast Carry;tpd 24ns max.
71	SN5480J	3		MON	2.0%	.80*	0.0	5.0	105mt	-55	125	K0313	M157b	Gated full adder.
72	SN5480N	3		MON	2.0%	.80*	0.0	5.0		0	70	K0313	M126	Gated full adder.
73	SN5480W	3		MON	2.0%	.80*	0.0	5.0	105mt	-55	125	K0313	Δ004AA	Gated full adder.
74	SN5482J	3		MON	2.0%	.80*	0.0	5.0	175mt	-55	125	K0314	M157b	2-bit binary full adder.
75	SN5482N	3		MON	2.0%	.80*	0.0	5.0	175mt	-55	125	K0314	M126	2-bit binary full adder.
76	SN5482W	3		MON	2.0%	.80*	0.0	5.0	175mt	-55	125	K0314	Δ004AA	2 Bit Binary Full Adder.
77	SN5483AJ	3		MON	2.0%	.80*	0.0	5.0	310m	-55	125	K0350	M153d	4 Bit Binary w/Fast Carry;tpd 24ns max.
78	SN5483AW	3		MON	2.0%	.80*	0.0	5.0	310m	-55	125	K0350	Δ004AG	4 Bit Binary w/Fast Carry;tpd 24ns max.
79	SN5483J	3		MON	2.0%	.80*	0.0	5.0	395m%	-55	125	K0320	M146	4 bit;tpd 50ns max;Is 79mA max.
80	SN5483N	3		MON	2.0%	.80*	0	5.5	70mt	-55	125		M117	4-Bit Binary Full Adder
81#	SN6480N	3		MON	2.0%	.80*	0.0	7.0	21mt	-40	85	K0313	M75a	Gated Full Adder
82#	SN6482N	3		MON	2.0%	.80*	0.0	7.0	35mt	-40	85	K0314	M75a	2-Bit Binary Full Adder.
83#	SN6483N	3		MON	2.0%	.80*	0.0	7.0	70mt	-40	85	K0315	M117	4-Bit Binary Full Adder.
84	SN7480J	3		MON	2.0%	.80*	0.0	5.0	105mt	0	70	K0313	M157b	Gated full adder.
85	SN7480N	3		MON	2.0%	.80*	0.0	5.0	105mt	0	70	K0313	M126e	Gated full adder.
86	SN7480W	3		MON	2.0%	.80*	0.0	5.0		-55	125	K0313	TO84	Gated Full Adder.
87	SN7482J	3		MON	2.0%	.80*	0.0	5.0	175mt	0	70	K0314	M157b	2-bit binary full adder.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SN7482N	3		MON	2.0%	.80*	0.0	5.0	175mt	0	70	K0314	M126e	2-bit binary full adder.
2	SN7482W	3		MON	2.0%	.80*	0.0	5.0		0	70	K0314	T084	2 Bit Binary Full Adder.
3	SN7483AJ	3		MON	2.0%	.80*	0.0	5.0	310m	0	70	K0350	M153d	4 Bit Binary w/Fast Carry;tpd 24ns max.
4	SN7483AN	3		MON	2.0%	.80*	0.0	5.0	310m	0	70	K0350	M117x	4 Bit Binary w/Fast Carry;tpd 24ns max.
5	SN7483J	3		MON	2.0%	.80*	0.0	5.0		0	70	K0320	M153	4-bit binary full adders.
6	SN7483N	3		MON	2.0%	.80*	0.0	5.0	395m%	0	70	K0320	M117e	1 bit;tpd 50ns max;Is 79mA max.
7	SN54283J	3		MON	2.0%	.80*	0.0	5.0	310mt	-55	125	K0350a	M153d	4 Bit Binary w/Fast Carry;tpd 24ns max.
8	SN54283W	3		MON	2.0%	.80*	0.0	5.0	310mt	-55	125	K0350a	Δ004AG	4 Bit Binary w/Fast Carry;tpd 24ns max.
9	SN74283J	3		MON	2.0%	.80*	0.0	5.0	310mt	0	70	K0350a	M153d	4 Bit Binary w/Fast Carry;tpd 24ns max.
10	SN74283N	3		MON	2.0%	.80*	0.0	5.0	310mt	0	70	K0350a	M117x	4 Bit Binary w/Fast Carry;tpd 24ns max.
11	SW7480J	3		MON	2.0%	.80*	0.0	5.25	105mt	0	70	K0313	M114	TTL;tpd 50ns;Noise Rej. 1.0V;FO10
12	SW7480N	3		MON	2.0%	.80*	0.0	5.25	105mt	0	70	K0313	M105n	TTL;tpd 50ns;Noise Rej. 1.0V;FO10
13	SW7482J	3		MON	2.0%	.80*	0.0	5.25	175mt	0	70	K0314	M114	TTL;tpd 50ns;Noise Rej. 1.0V;FO10
14	SW7482N	3		MON	2.0%	.80*	0.0	5.25	175mt	0	70	K0314	M105n	TTL;tpd 50ns;Noise Rej. 1.0V;FO10
15	SW7483J	3		MON	2.0%	.80*	0.0	5.0	395m%	0	70	K0320	M117	4 Bit;Binary Full Adder
16	SW7483N	3		MON	2.0%	.80*	0.0	5.25	350mt	0	70	K0320	M105n	TTL;tpd 50ns;Noise Rej. 1.0V;FO10
17#	T7483B1	3		MON	2.0%	.80*	0.0	5.0	395m§	0	70	K0349	M267c	4-Bit Binary;FO 10 max;tpd 50ns max.
18#	T7483D1	3		MON	2.0%	.80*	0.0	5.0	395m§	0	70	K0349	M200y	4-Bit Binary;FO 10 max;tpd 50ns max.
19#	TL74H183N	3		MON	2.0%	.80*	0.0	5.0	231mt	0	70	K0332	M126n	Dual Carry-Save;tpd 18ns max.
20#	TL7480N	3		MON	2.0%	.80*	0.0	5.0	183mt	0	70	K0313	M126n	Tpd 80ns max;Fan Out 10 max.
21#	TL7482N	3		MON	2.0%	.80*	0.0	5.0	304mt	0	70	K0314	M126n	Tpd 42ns;Fan Out 10.
22#	TL7483N	3		MON	2.0%	.80*	0.0	5.0	672mt	0	70	K0350	M117u	Tpd 60ns;Fan Out 10.
23	US5480A	3		MON	2.0%	.80*	0.0	7.0	21mt	-55	125	K0313	M105b	Gated Full Adder.
24	US5480J	3		MON	2.0%	.80*	0.0	5.5	21mt	-55	125		T088	Gated Full Adder.
25	US5482A	3		MON	2.0%	.80*	0.0	5.5	35mt	-55	125	K0314	M105b	2 Bit Binary Full Adder.
26	US5482J	3		MON	2.0%	.80*	0.0	5.5	35mt	-55	125		T088	2 Bit Binary Full Adder.
27	US5483A	3		MON	2.0%	.80*	0.0	5.5	70mt	-55	125		M117g	4 Bit Binary Full Adder.
28	US7480A	3		MON	2.0%	.80*	0.0	5.0	105mt	0	70	K0313	M105b	Gated Full Adder.
29	US7480J	3		MON	2.0%	.80*	0.0	5.0	105mt	0	70	K0313	T088	Gated Full Adder.
30	US7482A	3		MON	2.0%	.80*	0.0	5.0	175mt	0	70	K0314	M105b	2 Bit Binary Full Adder.
31	US7482J	3		MON	2.0%	.80*	0.0	5.0	175mt	0	70	K0314	T088	2 Bit Binary Full Adder.
32	US7483A	3		MON	2.0%	.80*	0.0	5.0	390mt	0	70	K0320	M117g	4 Bit Binary Full Adder.
33#	ZN5482J	3		MON	2.0%	.80*	0.0	5.0	175mt	-55	125	K0314	M257e	2 Bit Binary Full Adder.
34#	ZN5483AE	3		MON	2.0%	.80*	0.0	5.0	310m	-55	125	K0350	TO116	4 Bit Binary w/Fast Carry;tpd 24ns max.
35#	ZN5483AJ	3		MON	2.0%	.80*	0.0	5.0	310m	-55	125	K0350	M257e	4 Bit Binary w/Fast Carry;tpd 24ns max.
36#	ZN7482E	3		MON	2.0%	.80*	0.0	5.0	175mt	0	70	K0314	TO116	2 Bit Binary Full Adder.
37#	ZN7482J	3		MON	2.0%	.80*	0.0	5.0	175mt	0	70	K0314	M257e	2 Bit Binary Full Adder.
38#	ZN7483AE	3		MON	2.0%	.80*	0.0	5.0	310m	0	70	K0350	TO116	4 Bit Binary w/Fast Carry;tpd 24ns max.
39#	ZN7483AJ	3		MON	2.0%	.80*	0.0	5.0	310m	0	70	K0350	M257e	4 Bit Binary w/Fast Carry;tpd 24ns max.
40#	ZN7493AE	3		MON	2.0%	.80*	0.0	5.0	310m	0	70	K0350	TO116	4 Bit Binary w/Fast Carry;tpd 24ns max.
41	SN74LS83J	3		MON	2.0%	.90*	0.0	5.0	75mt	0	70	K0320	M153d	4-Bit Binary Full Adder.
42	SN74LS83N	3		MON	2.0%	.90*	0.0	5.0	75mt	0	70	K0320	M117x	4-Bit Binary Full Adder.
43	MC5480L	3		MON	2.4%	.40*†	0.0	5.0	105mt	-55	125	K0322a	TO116	Gated Full Adder.
44	MC5483L	3		MON	2.4%	.40*†	0.0	5.0	390mt	-55	125	K0320	M191	4 Bit Binary; tpD 35ns typ.
45	MC7480F	3		MON	2.4%	.40*†	0.0	5.0	105mt	0	75	K0322a	TO86	Gated Full Adder.
46	MC7480L,P%	3		MON	2.4%	.40*†	0.0	5.0	105mt	0	75	K0322a	TO116	Gated Full Adder.
47	MC7483L	3		MON	2.4%	.40*†	0.0	5.0	390mt	0	70	K0320	M191	4 Bit Binary; tpD 35ns typ.
48	MC7483P	3		MON	2.4%	.40*†	0.0	5.0	390mt	0	70	K0320	M278	4 Bit Binary;tpd 35ns typ.
49	MC8304F	3			2.4%	.40†*	0.0	5.0	110mt	0	75	K0331	FP85	Dual Full Adder.
50	MC8304L	3			2.4%	.40*†	0.0	5.0	110mt	0	75	K0331	M191	Dual full adder.
51	MC8304P	3			2.4%	.40*†	0.0	5.0	110mt	0	75	K0331	M278	Dual Full Adder.
52	MC8380F	3		MON	2.4%	.40*†	0.0	5.0	105mt	0	75	K0322a	TO86	Gated Full Adder.
53	MC8380L,P%	3		MON	2.4%	.40*†	0.0	5.0	105mt	0	75	K0322a	TO116	Gated Full Adder.
54	MC8383L	3		MON	2.4%	.40*†	0.0	5.0	390mt	0	70	K0320	M191	4 Bit Binary;tpd 35ns typ.
55	MC8383P	3		MON	2.4%	.40*†	0.0	5.0	390mt	0	70	K0320	M278	4 Bit Binary;tpd 35ns typ.
56	MC9304F	3			2.4%	.40†*	0.0	5.0	110mt	-55	125	K0331	FP85	Dual Full Adder.
57	MC9304L	3			2.4%	.40*†	0.0	5.0	110mt	-55	125	K0331	M191	Dual full adder.
58	MC9380F	3		MON	2.4%	.40*†	0.0	5.0	105mt	-55	125	K0322a	TO86	Gated Full Adder.
59	MC9380L	3		MON	2.4%	.40*†	0.0	5.0	105mt	-55	125	K0322a	TO116	Gated Full Adder.
60	MC9383L	3		MON	2.4%	.40*†	0.0	5.0	390mt	-55	125	K0320	M191	4 Bit Binary;tpd 35ns typ.
61	MC54456F	3		MON	2.4%	.40*†	0.0	5.0	300mt	-55	125	K0355	FP85	NBCD;FO10;tpd 30ns typ
62	MC54456L	3		MON	2.4%	.40*†	0.0	5.0	300mt	-55	125	K0355	M191	NBCD;FO10;tpd 30ns typ
63	MC74456F	3		MON	2.4%	.40*†	0.0	5.0	300mt	0	75	K0355	FP85	NBCD;FO 10;tpd 30ns typ.
64	MC74456L	3		MON	2.4%	.40*†	0.0	5.0	300mt	0	75	K0355	M191	NBCD;FO 10;tpd 30ns typ.
65	MC74456P	3		MON	2.4%	.40*†	0.0	5.0	300mt	0	75	K0355	M278	NBCD;FO10;tpd 30ns typ
66	MIC9304-1D	3			2.4%	.40*	0.0	5.0	150mt	-55	125	K0318	M153a	2ckts;TTL.
67	MC4026F	3			2.4%	.45*†	0.0	5.0	90mt	0	75	K0328	TO86	Serial and ripple carry parallel adder.
68	MC4026L,P%	3			2.4%	.45*†	0.0	5.0	90mt	0	75	K0328	TO116	Serial And Ripple Carry Parallel Adder.
69	MC4027F	3			2.4%	.45*†	0.0	5.0	90mt	0	75	K0328	TO86	Serial and ripple carry parallel adder.
70	MC4027L,P%	3			2.4%	.45*†	0.0	5.0	90mt	0	75	K0328	TO116	Serial And Ripple Carry Parallel Adder.
71	MC4028F	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329	TO86	Fast adder.
72	MC4028L,P%	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329	TO116	Fast Adder.
73	MC4029F	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329	TO86	Fast adder.
74	MC4029L,P%	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329	TO116	Fast Adder.
75	MC4030F	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329a	TO86	Fast adder.
76	MC4030L,P%	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329a	TO116	Fast Adder.
77	MC4031F	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329a	TO86	Fast adder.
78	MC4031L,P%	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329a	TO116	Fast Adder.
79	MC4326F	3			2.4%	.45*†	0.0	5.0	90mt	-55	125	K0328	TO86	Serial And Ripple-Carry Parallel Adder.
80	MC4326L	3			2.4%	.45*†	0.0	5.0	90mt	-55	125	K0328	TO116	Serial And Ripple Carry Parallel Adder.
81	MC4327F	3			2.4%	.45*†	0.0	5.0	90mt	-55	125	K0328	TO86	Serial And Ripple-Carry Parallel Adder.
82	MC4327L	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0328	TO116	Fast Adder.
83	MC4328F	3			2.4%	.45*†	0.0	5.0	125mt	-55	125	K0329	TO86	Fast adder.
84	MC4328L	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329	TO116	Fast Adder.
85	MC4329F	3			2.4%	.45*†	0.0	5.0	125mt	-55	125	K0329	TO86	Fast adder.
86	MC4329L	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329	TO116	Fast Adder.
87	MC4330F	3			2.4%	.45*†	0.0	5.0	125mt	-55	125	K0329a	TO86	Fast adder.
88	MC4330L	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329a	TO116	Fast Adder.
89	MC4331F	3			2.4%	.45*†	0.0	5.0	125mt	-55	125	K0329a	TO86	Fast adder.
90	MC4331L	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329a	TO116	Fast Adder.
91	MIC9304-5D	3			2.4%	.45*	0.0	5.0	150mt	0	75	K0318	M153a	2ckts;TTL.
92	MC5480F	3		MON	2.4%	4.0*†	0.0	5.0	105mt	-55	125	K0322a	TO86	Gated Full Adder.
93	SN54S283J	3		MON	2.5	.50	0.0	5.0	480mt	-55	125	K0361	M153d	4 Bit Parallel Binary Adder.
94	SN54S283W	3		MON	2.5	.50	0.0	5.0	480mt	-55	125	K0361	Δ004AG	4 Bit Parallel Binary Adder.
95	N8268A	3		MON	2.6%	.40†	0.0	5.0	185m	0	75	K0322	M105q	F.O. 20max;tpd 8.0ns;VTH 2.0V max.
96	N8268F	3		MON	2.6%	.40†*	0.0	5.0	185m	0	75	K0322	M157	Gated;FO 20 tpD 8.0ns;Vth 2.0V.
97	N8268Q	3		MON	2.6%	.40†	0.0	5.0	185m	0	75	K0322	TO88	F.O. 20 max; tpd 8.0ns;VTH 2.0V max.
98	RL3100N	3		MON	2.6%	.40*†	0.0	5.25	510m	-55	125	K3111	FP59	Arithmetic Logic Element;4 Bit Full Adder
99	RL3102N	3		MON	2.6%	.40*†	0.0	5.25	575m	0	75	K3111	FP59	Arithmetic Logic Element;4 Bit Full Adder
100	S8268A	3		MON	2.6%	.40†	0.0	5.0	185m	-55	125	K0322	M105q	F.O. 20 max; tps 8.0ns;VTH 2.0V max.
101	S8268F	3		MON	2.6%	.40†	0.0	5.0	185m	-55	125	K0322	M105r	F.O. 20max;tpd 8.0ns;VTH 2.0V max.
102	S8268Q	3		MON	2.6%	.40†	0.0	5.0	185m	-55	125	K0322	TO88	F.O. 20max;tpd 8.0ns;VTH 2.0V max.
103	SN74S283J	3		MON	2.7	.50	0.0	5.0	480mt	0	70	K0361	M153d	4 Bit Parallel Binary Adder.
104	SN74S283N	3		MON	2.7	.50	0.0	5.0	480mt	0	70	K0361	M117x	4 Bit Parallel Binary Adder.
105▼	TMBA2	3	15M	PCB	3.3	.22	0.0	5.0	780m	0	70		CB53	4 Bit Bin Full Adder;2 Ckts.
106▼	TMBA3	3	15M	PCB	3.3	.22	0.0	5.0	525m	0	70		CB53	2 Bit Bin Full Adder;3 Ckts.
107▼	TMFA3	3	15M	PCB	3.3	.22	0.0	5.0	315m	0	70		CB53	1 Bit Bin Full Adder;3Ckts.
108	TRWM20	3		MON	3.3	.25†	0.0	5.0	125m	-55	125			Dependent carry fast adder.
109	TRWM30	3		MON	3.3	.25†	0.0	5.0	125m	-55	125			In dependent carry fast adder.
110	TRWM40	3		MON	3.3	.25†	0.0	5.0	25m	-55	125			Carry decoder.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	RL10D	3		MON	3.5	.20†	0	5	90m	-55	125		M105m	Fast Full Adder.
2	RL10K	3		MON	3.5	.20†	0	5	90m	-55	125		FP21b	Fast Full Adder.
3	RL11D	3		MON	3.5	.20†	0	5	90m	-55	125		M105m	Fast Full Adder.
4	RL11K	3		MON	3.5	.20†	0	5	90m	-55	125		FP21b	Fast Full Adder.
5	RL12D	3		MON	3.5	.20†	0	5	90m	0	75		M105m	Fast Full Adder.
6	RL12K	3		MON	3.5	.20†	0	5	90m	0	75		FP21b	Fast Full Adder.
7	RL13D	3		MON	3.5	.20†	0	5	90m	0	75		M105m	Fast Full Adder.
8	RL13K	3		MON	3.5	.20†	0	5	90m	0	75		FP21b	Fast Full Adder.
9	RL20D	3		MON	3.5	.20†	0	5	125m	-55	125		M105m	Dependent and Independent carryfast adder.
10	RL20K	3		MON	3.5	.20†	0	5	125m	-55	125		FP21b	Dependent and Independent carryfast adder.
11	RL21D	3		MON	3.5	.20†	0	5	125m	-55	125		M105m	Dependent and Independent carryfast adder.
12	RL21K	3		MON	3.5	.20†	0	5	125m	-55	125		FP21b	Dependent and Independent carryfast adder.
13	RL22D	3		MON	3.5	.20†	0	5	125m	0	75		M105m	Dependent and Independent carryfast adder.
14	RL22K	3		MON	3.5	.20†	0	5	125m	0	75		FP21b	Dependent and Independent carryfast adder.
15	RL23D	3		MON	3.5	.20†	0	5	125m	0	75		M105m	Dependent and Independent carryfast adder.
16	RL23K	3		MON	3.5	.20†	0	5	125m	0	75		FP21b	Dependent and Independent carryfast adder.
17	RL30D	3		MON	3.5	.20†	0	5	125m	-55	125		M105m	Dependent and Independent carryfast adder.
18	RL30K	3		MON	3.5	.20†	0	5	125m	-55	125		FP21b	Dependent and Independent carryfast adder.
19	RL31D	3		MON	3.5	.20†	0	5	125m	-55	125		M105m	Dependent and Independent carryfast adder.
20	RL31K	3		MON	3.5	.20†	0	5	125m	-55	125		FP21b	Dependent and Independent carryfast adder.
21	RL32D	3		MON	3.5	.20†	0	5	125m	0	75		M105m	Dependent and Independent carryfast adder.
22	RL32K	3		MON	3.5	.20†	0	5	125m	0	75		FP21b	Dependent and Independent carryfast adder.
23	RL33D	3		MON	3.5	.20†	0	5	125m	0	75		M105m	Dependent and Independent carryfast adder.
24	RL33K	3		MON	3.5	.20†	0	5	125m	0	75		FP21b	Dependent and Independent carryfast adder.
25	MM54C83D	3		MOS	3.5%	1.5*	0.0	5.0	500m	-55	125	K0360	M346a	4-Bit Binary Full Adder.
26	MM74C83N	3		MOS	3.5%	1.5*	0.0	5.0	500m	0	70	K0360	M345	4-Bit Binary Full Adder.
27▼#	MSM580	3		MOS	3.6%	.80*	0.0	5.0	25uŞ	-20	70	K0362	M318a	Dual;tpd 500ns max;FO 15.
28	MC14008AL	3		MOS	4.99%	.01*†	0.0	10	1.0u†	-55	125	K0353	M191	4-Bit Full Adder.
29	MC14008CL	3		MOS	4.99%	.01*†	0.0	10	1.0u†	-40	85	K0353	M191	4-Bit Full Adder.
30	MC14008CP	3		MOS	4.99%	.01*†	0.0	10	1.0u†	-40	85	K0353	M278	4-Bit Full Adder.
31	T216	3	15M	PCB	5.0	0.0	0.0	5.0	825m%			K0318a	CB☑	Prop. delay 8.0ns;supply current 165mA.
32▼	TF4008AJ	3		MOS	7.1%	2.9*	0.0	10	6.0m%	-55	125	K0326	M153d	4 Bit Full Adder;tpd 350ns max.
33▼	TF4008AN	3		MOS	7.1%	2.9*	0.0	10	6.0m%	-55	125	K0326	M117x	4 Bit Full Adder;tpd 350ns max.
34▼	TP4008AJ	3		MOS	7.1%	2.9*	0.0	10	14m%	-40	85	K0326	M153d	4 Bit Full Adder;tpd 500ns max.
35▼	TP4008AN	3		MOS	7.1%	2.9*	0.0	10	14m%	-40	85	K0326	M117x	4 Bit Full Adder;tpd 500ns max.
36	HD1-54C83	3		MOS	8.0%	2.0*	0.0	10	500m	-55	125	K0360	M200q	CMOS 4 Bit Full Adder.
37	HD1-74C83	3		MOS	8.0%	2.0*	0.0	10	500m	-40	85	K0360	M200q	CMOS 4 Bit Full Adder.
38	HD9-54C83	3		MOS	8.0%	2.0*	0.0	10	500m	-55	125	K0360	FP103	CMOS 4 Bit Full Adder.
39	HD9-74C83	3		MOS	8.0%	2.0*	0.0	10	500m	-40	85	K0360	FP103	CMOS 4 Bit Full Adder.
40	CD4008AF	3		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K0326	Δ001AC	4 Bit Full Adder;tpd 500ns max.
41	MC14560AL	3		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K0359	M191	NBCD(Natural Binary Coded Decimal)Adder.
42	MC14560CL	3		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K0359	M191	NBCD(Natural Binary Coded Decimal)Adder.
43	MC14560CP	3		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K0359	M278	NBCD(Natural Binary Coded Decimal)Adder.
44	SCL4008AC	3		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K0326	M475d	4 Bit Full Adder;tpd 500ns max.
45	SCL4008AD	3		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K0326	M475e	4 Bit Full Adder;tpd 500ns max.
46	SCL4008AE	3		MOS	9.99%	.01*†	0.0	10	100u%	-40	85	K0326	M475f	4 Bit Full Adder;tpd 500ns max.
47	SCL4008AF	3		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K0326	FP111	4 Bit Full Adder;tpd 500ns max.
48	SCL4008AH	3		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K0326	FC☑	4 Bit Full Adder;tpd 500ns max.
49	MC14032AL	3	5.0MΔ%	MOS	9.99%	.01*†	0.0	10	100u	-55	125	K0346	M191	Triple Serial Adder
50	MC14032CL	3	5.0MΔ%	MOS	9.99%	.01*†	0.0	10	1.0m	-40	85	K0346	M191	Triple Serial Adder.
51	MC14032CP	3	5.0MΔ%	MOS	9.99%	.01*†	0.0	10	1.0m	-40	85	K0346	M278	Triple Serial Adder.
52	MC14038AL	3	5.0MΔ%	MOS	9.99%	.01*†	0.0	10	100u	-55	125	K0347	M191	Triple Serial Adder.
53	MC14038CL	3	5.0MΔ%	MOS	9.99%	.01*†	0.0	10	1.0m	-40	85	K0347	M191	Triple Serial Adder.
54	MC14038CP	3	5.0MΔ%	MOS	9.99%	.01*†	0.0	10	1.0m	-40	85	K0347	M278	Triple Serial Adder.
55	CD4008AD	3		MOS	10	0.0†	0.0	10	100u%	-55	125	K0326	Δ001AE	4 Bit Full Adder;tpd 500ns max.
56	CD4008AE	3		MOS	10	0.0†	0.0	10	1.0m%	-40	85	K0326	Δ001AC	4 bit Full Adder;tpd 650ns max.
57	CD4008AK	3		MOS	10	0.0†	0.0	10	100u%	-55	125	K0326	Δ004AG	4 Bit Full Adder;tpd 500ns max.
58	CM4008AD	3		MOS	10	0.0†	0.0	10	200m	-55	125	K0326	M210b	4 Bit;Noise Immunity 4.5V;tpd 500ns max.
59	CM4008AE	3		MOS	10	0.0†	0.0	10	200m	-40	85	K0326	M210b	4 Bit;Noise Immunity 4.5V;tpd 650ns max.
60#	HBC4008AD	3		MOS	10	0.0†	0.0	10	100u%	-55	125	K0326	Δ001AE	CMS 4 Bit Full Adder;Tpd 500ns max.
61#	HBC4008AF	3		MOS	10	0.0†	0.0	10	100u%	-55	125	K0326	Δ001AE	CMS 4 Bit Full Adder;tpd 500ns max.
62#	HBC4008AK	3		MOS	10	0.0†	0.0	10	100u%	-55	125	K0326	Δ004AG	CMS 4 Bit Full Adder;tpd 500ns max.
63#	HBC4038AD	3		MOS	10	0.0†	0.0	10	100u%	-55	125	K0347	Δ001AE	CMS Triple Serial Adder;tpd 500ns max.
64#	HBC4038AF	3		MOS	10	0.0†	0.0	10	100u%	-55	125	K0347	Δ001AE	CMS Triple Serial Adder;tpd 500ns max.
65#	HBC4038AK	3		MOS	10	0.0†	0.0	10	100u%	-55	125	K0347	Δ004AG	CMS Triple Serial Adder;tpd 500ns max.
66#	HBF4008AE	3		MOS	10	0.0†	0.0	10	1.0m%	-40	85	K0326	Δ001AC	CMS 4 Bit Full Adder;tpd 650ns max.
67#	HBF4008AF	3		MOS	10	0.0†	0.0	10	1.0m%	-40	85	K0326	Δ001AE	CMS 4 Bit Full Adder;tpd 650ns max.
68#	HBF4038AE	3		MOS	10	0.0†	0.0	10	1.0m%	-40	85	K0347	Δ001AC	CMS Triple Serial Adder;tpd 600ns max.
69#	HBF4038AF	3		MOS	10	0.0†	0.0	10	1.0m%	-40	85	K0347	Δ001AE	CMS Triple Serial Adder;tpd 600ns max.
70	CD4032AD	3	5.0M%Δ	MOS	10	0.0†	0.0	10	100u%	-55	125	K0346	Δ001AE	Triple Serial Adder;tpd 500ns max.
71	CD4032AE	3	5.0M%Δ	MOS	10	0.0†	0.0	10	1.0m%	-40	85	K0346	Δ001AC	Triple Serial Adder;tpd 600ns max.
72	CD4032AK	3	5.0M%Δ	MOS	10	0.0†	0.0	10	100u%	-55	125	K0346	Δ004AG	Triple Serial Adder;tpd 500ns max.
73	CD4038AD	3	5.0M%Δ	MOS	10	0.0†	0.0	10	100u%	-55	125	K0347	Δ001AE	Triple Serial Adder;tpd 500ns max.
74	CD4038AE	3	5.0M%Δ	MOS	10	0.0†	0.0	10	1.0m%	-40	85	K0347	Δ001AC	Triple Serial Adder;tpd 600ns max.
75	CD4038AK	3	5.0M%Δ	MOS	10	0.0†	0.0	10	100u%	-55	125	K0347	Δ004AG	Triple Serial Adder;tpd 500ns max.
76	CM4032AD	3	5.0M†Δ	MOS	10	0.0†	0.0	10	200m	-55	125	K0346	M210b	Triple Serial Adder;tpd 500ns max.
77	CM4032AE	3	5.0M†Δ	MOS	10	0.0†	0.0	10	200m	-40	85	K0346	M210b	Triple Serial Adder;tpd 600ns max.
78	CM4038AD	3	5.0M†Δ	MOS	10	0.0†	0.0	10	200m	-55	125	K0347	M210b	Triple Serial Adder;tpd 500ns max.
79	CM4038AE	3	5.0M†Δ	MOS	10	0.0†	0.0	10	200m	-40	85	K0347	M210b	Triple Serial Adder;tpd 600ns max.
80▼	CD4008BD	3		MOS	15%	.05*†	0.0	15	200m	-55	125	K0326	Δ001AE	4-Bit Full Adder w/Parallel Carry Out.
81▼	CD4008BE	3		MOS	15%	.05*†	0.0	15	200m	-55	125	K0326	Δ001AC	4-Bit Full Adder w/Parallel Carry Out.
82▼	CD4008BF	3		MOS	15%	.05*†	0.0	15	200m	-55	125	K0326	Δ001AC	4-Bit Full Adder w/Parallel Carry Out.
83▼	CD4008BK	3		MOS	15%	.05*†	0.0	15	200m	-55	125	K0326	Δ004AG	4-Bit Full Adder w/Parallel Carry Out.
84▼	CD4008BY	3		MOS	15%	.05*†	0.0	15	200m	-55	125	K0326	Δ001AC	4-Bit Full Adder w/Parallel Carry Out.
85	MEM5035	3	500kΔ	MOS	-10%	-2.0*	27	0.0		-55	95		TO87	2 Input ΔY Adder;Noise Immun. 1.0V min.
86	9904HC	4		MON			0.0	3.6		0	70	K047	TO99	Fan Out 29.
87	9912HC	4		MON			0.0	3.6		0	70	K046	TO99	1 Ckt;Fan Out 13.
88	HEP553-RT	4					0.0	6.0	63m				CN8	FO 5 typ;tpd 15ns typ.
89	MC775F	4		MON			0	4	120m	15	55	K0412b	TO86	RTL; tpd-20ns; Fan-Out-29.
90	SN17912L	4		MON			0	8	8.0m†	-55	125	K046b	CN13	1 Ckt; RTL; Fan out - 7
91	MC908F	4		MON	.75%	.45*	0	4	14m†	-55	125	K044	TO91	RTL; tpd-60ns; Fan-Out-7.
92	MC908G	4		MON	.75%	.45*	0	4	14m†	-55	125	K044	TO99	RTL; tpd-60ns; Fan-Out-7.
93	MC912F	4		MON	.75%	.45*	0.0	4.0	11m†	-55	125	K046b	TO91	RTL;Prop.Delay 66ns;Fan Out 7.
94	MC912G	4		MON	.75%	.45*	0.0	4.0	11m†	-55	125	K046b	TO99	RTL;Prop.Delay 66ns;Fan Out 7.
95	MC808F	4		MON	.80%	.46*	0	4	19m†	0	75	K044	TO91	RTL; tpd-60ns; Fan-Out-7.
96	MC808G	4		MON	.80%	.46*	0	4	19m†	0	75	K044	TO99	RTL; tpd-60ns; Fan-Out-7.
97	MC812F	4		MON	.80%	.46*	0.0	4.0	15m†	0	75	K046b	TO91	RTL;Prop.Delay 66ns;Fan Out 7.
98	MC812G	4		MON	.80%	.46*	0.0	4.0	15m†	0	75	K046b	TO99	RTL;Prop.Delay 66ns;Fan Out 7.
99	MC904F	4		MON	.82%	.57*	0	4	45m†	-55	125	K0412	TO91	RTL; tpd-14ns; Fan-Out-9.
100	MC904G	4		MON	.82%	.57*	0	4	45m†	-55	125	K0412	TO99	RTL; tpd-14ns; Fan-Out-9.
101	MC975F	4		MON	.82%	.57*	0	4	120m†	-55	125	K0412b	TO86	RTL; tpd-20ns; Fan-Out-9.
102	MC804F	4		MON	.84%	.55*	0	4	45m†	0	100	K0412	TO91	RTL; tpd-14ns; Fan-Out-9.
103	MC804G	4		MON	.84%	.55*	0	4	45m†	0	100	K0412	TO99	RTL; tpd-14ns; Fan-Out-9.
104	MC875F	4		MON	.84%	.55*	0	4	120m†	0	100	K0412b	TO86	RTL; tpd-20ns; Fan-Out-9.
105	MC775P	4		MON	.85%	.46*	0	4	120m†	15	55	K0412a	TO116	RTL;tpd 20ns;Fan Out 29.
106	MC875P	4		MON	.88%	.50*	0	4	120m†	0	75	K0412a	TO116	RTL;tpd 20ns;Fan Out 29.
107	MC303F	4	40M	MON	-.75	-1.6	5.2	0	80m	-55	125	K043	TO91	Tpd-6nsec;tr-10.5nsec;tf-14nsec
108	MC303G	4	40M	MON	-.75	-1.6	5.2	0	80m	-55	125	K043	CN9	Tpd-6nsec;tr-10.5nsec;tf-14nsec
109	MC353F	4	40M	MON	-.75	-1.6	5.2	0	80m	0	75	K043	TO91	Tpd-6nsec;tr-11nsec;tf-14nsec
110	MC353G	4	40M	MON	-.75	-1.6	5.2	0	80m	0	75	K043	CN9	Tpd-6nsec;tr-11nsec;tf-14nsec

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MC704F	4		MON	1.1	.10	0	4	65m†	15	55	K0412	TO91	RTL; tpd-14ns; Fan-Out-29
2	MC704G	4		MON	1.1	.10	0	4	65m†	15	55	K0412	TO99	RTL; tpd-14ns; Fan-Out-29
3	MC708F	4		MON	1.1	.10	0	4	19m†	15	55	K044	TO91	RTL; tpd-60ns; Fan-Out-7.
4	MC708G	4		MON	1.1	.10	0	4	19m†	15	55	K044	TO99	RTL; tpd-60ns; Fan-Out-7.
5	MC712F	4		MON	1.1	.10	0.0	4.0	15m†	15	55	K046b	TO91	RTL;tpd 66ns;Fan Out 7.
6	MC712G	4		MON	1.1	.10	0.0	4.0	15m†	15	55	K046b	TO99	RTL;tpd 66ns;Fan Out 7.
7	MEM5031	4	1.0MΔ	MOS	-10%	-2*	27	0		-55	85		TO87	Servo Adder;Noise Immunity-1.0V min.
8#	MIC362-1D	5		MON			0.0	12		-55	125		M153a	Dual Output Interface.
9#	MIC362-1D1	5		MON			0.0	15		-55	125		M153a	Dual Output Interface.
10#	MIC362-5D	5		MON			0.0	12		-30	85		M153a	Dual Output Interface.
11#	MIC362-5D1	5		MON			0.0	15		-30	85		M153a	Dual Output Interface.
12	N8T94A	5		MON			0.0	5.0		0	75	K0565	M318	High Speed Hex (PNP Inputs)Open Collector.
13	N8T94F	5		MON			0.0	5.0		0	75	K0565	M200x	High Speed Hex (PNP Inputs)Open Collector.
14	S8T94A	5		MON			0.0	5.0		-55	125	K0565	M318	High Speed Hex (PNP Inputs)Open Collector.
15	S8T94F	5		MON			0.0	5.0		-55	125	K0565	M200x	High Speed Hex (PNP Inputs)Open Collector.
16	SN75493AN	5		MOS			0.0	8.8	800m	0	70	K0576	M117x	Quad-Segment Driver;MOS-to-VLED.
17	SN75495N	5		MOS					800m	0	70		M126e	5 Unit MOS-to-Thermal Print Head Row Dr.
18	SN75498N	5		MOS					800m	0	70	K0579		9-Digit Driver.
19	SN75494N	5		MOS		.25†	0.0	8.8	800m	0	70	K0577	M117x	Hex-Digit Driver;MOS-to-VLED.
20	SN75497N	5		MOS		.27†	0.0	6.7	800m	0	70	K0578	M117x	7-Segment Driver;MOS-to-VLED.
21	N8T80A	5		MON		.35*†	0	5.0	20mΔ	0	75	K0521	M318	Quad 2-Input Nand Interface Gate.
22	N8T80F	5		MON		.35†*	0.0	5.0	20mΔ	0	75	K0521	M200x	Quad 2-Input Nand Interface Gate.
23	N8T80W	5		MON		.35*†	0.0	5.0	20mΔ	0	75	K0521	FP39e	Quad 2-Input Nand Interface Gate.
24	N8T90A	5		MON		.35*†	0	5.0	20mΔ	0	75	K0521a	M318	Quad 2-Input Nand Interface Gate.
25	N8T90F	5		MON		.35†*	0.0	5.0	20mΔ	0	75	K0521a	M200x	Hex Inverter Interface Element.
26	N8T90W	5		MON		.35*†	0.0	5.0	20mΔ	0	75	K0521	FP39e	Hex Inverter Interface Element.
27	S8T80A	5		MON		.35*†	0	5.0	20mΔ	-55	125	K0521	M318	Hex Inverter Interface Element.
28	S8T80F	5		MON		.35†*	0.0	5.0	20mΔ	-55	125	K0521	M200x	Hex Inverter Interface Element.
29	S8T80W	5		MON		.35*†	0.0	5.0	20mΔ	-55	125	K0521a	FP39e	Hex Inverter Interface Element.
30	S8T90A	5		MON		.35*†	0	5.0	20mΔ	-55	125	K0521a	M318	Quad 2-Input Nand Interface Gate.
31	S8T90F	5		MON		.35†*	0.0	5.0	20mΔ	-55	125	K0521a	M200x	Quad 2-Input Nand Interface Gate.
32	S8T90W	5		MON		.35*†	0.0	5.0	20mΔ	-55	125	K0521a	FP39e	Hex Inverter Interface Element.
33▼	SN75491AJ	5		MOS		1.2†*	0.0	7.5	7.5m§	0	70	K0574	TO116	MOS to LED Segment,Digit Driver.
34▼	SN75491AN	5		MOS		1.2†*	0.0	7.5	7.5m§	0	70	K0574	M126w	MOS to LED Segment Digit Driver.
35▼	SN75491BJ	5		MOS		1.2†*	0.0	7.5	7.5m§	0	70	K0574	TO116	MOS to LED Segment,Digit Driver.
36▼	SN75491BN	5		MOS		1.2†*	0.0	7.5	7.5m§	0	70	K0574	M126w	MOS to LED Segment,Digit Driver.
37▼	SN75491J	5		MOS		1.2†*	0.0	7.5	7.5m§	0	70	K0574	TO116	MOS to LED Segment,Digit Driver.
38	SN75491N	5		MOS		1.2*†	0.0	7.5	800m	0	70	K0574	M126e	Quad-Segment Driver;MOS-to-VLED.
39▼	SN75492AJ	5		MOS		1.2†*	0.0	7.5	7.5m§	0	70	K0575	TO116	MOS to LED Segment,Digit Driver.
40▼	SN75492AN	5		MOS		1.2†*	0.0	7.5	7.5m§	0	70	K0575	M126w	MOS to LED Segment Digit Driver.
41▼	SN75492BJ	5		MOS		1.2†*	0.0	7.5	7.5m§	0	70	K0575	TO116	MOS to LED Segment,Digit Driver.
42▼	SN75492BN	5		MOS		1.2†*	0.0	7.5	7.5m§	0	70	K0575	M126w	MOS to LED Segment,Digit Driver.
43▼	SN75492J	5		MOS		1.2†*	0.0	7.5	7.5m§	0	70	K0575	TO116	MOS to LED Segment,Digit Driver.
44	SN75492N	5		MOS		1.2*†	0.0	7.5	800m	0	70	K0575	M126e	Hex-Digit Driver;MOS-to-VLED.
45	CH1101	5		MOH		11†	12	12	230m	-25	75		M158e	Hybrid logic to EIA Converter.
46#	ZSS58	5		MON	.20	4.0	0.0	5.0	19m	-55	125		CN2	Dual Interface; DTL; FO8.
47#	ZSS88	5		MON	.20	4.0	0.0	5.0	19m	0	70		CN2	Dual Interface; DTL; FO8.
48#	ZSS118	5		MON	.20	4.0	0.0	5.0	19m	-55	125		CN2	2 ckts.
49#	ZN1025E	5		MON	.50*	.50*	0.0	5.0	250m†	-40	85	K0584	TO116	Store Interface;tpd 20ns max.
50▼	SN54LS63J	5		MON	.60%	1.7*	0.0	5.0	80m	-55	125	K0561	M157b	Hex Current-Sensing Interface Gate.
51▼	SN54LS63W	5		MON	.60%	1.7*	0.0	5.0	80m	-55	125	K0561	FP97a	Hex Current-Sensing Interface Gate.
52▼	SN74LS63J	5		MON	.85%	1.6*	0.0	5.0	80m	0	70	K0561	M157b	Hex Current-Sensing Interface Gate.
53▼	SN74LS63N	5		MON	.85%	1.6*	0.0	5.0	80m	0	70	K0561	M126e	Hex Current-Sensing Interface Gate.
54	10124B	5	60M		-.88	1.7	5.2	0.0	340m	-30	85			Quad,TTL to ECL Translator.
55▼	MC12513L#1	5		MON	-.97%	-1.6*†	5.2	0.0	310m†	-55	125	K0588	M200aa	2-Modulus Prescaler;ECT.
56	SN10124J	5		MON	-.98%	-1.6*	5.2	0.0	130m	0	85	K0580	M153d	Quadruple TTL-to-ECL Level Converter.
57	SN10124N	5		MON	-.98%	-1.6*	5.2	0.0	130m	0	85	K0580	M117x	Quadruple TTL-to-ECL Level Converter.
58	SN10125J	5		MON	-.98%	-1.6*	5.2	0.0	270m	0	85	K0581	M153d	Quadruple ECL-to-TTL Level Converter.
59	SN10125N	5		MON	-.98%	-1.6*	5.2	0.0	270m	0	85	K0581	M117x	Quadruple ECL-to-TTL Level Converter.
60	SN10184J	5		MON	-.98%	-1.6*	5.2	0.0	124m†	0	85	K0582	M153d	Quintuple ECL 10k-to-IBM MST Level Conv.
61	SN10184N	5		MON	-.98%	-1.6*	5.2	0.0	124m†	0	85	K0582	M117x	Quintuple ECL 10k-to-IBM MST Level Conv.
62	SN10185J	5		MON	-.98%	-1.6*	5.2	0.0	166m†	0	85	K0583	M153d	Hex ECL IBM MST-to-10k Level Conv.
63	SN10185N	5		MON	-.98%	-1.6*	5.2	0.0	166m†	0	85	K0583	M117x	Hex ECL IBM MST-to-10k Level Conv.
64#	H114D1	5		MON	1.8%	.85*	0.0	20	400m§	0	75	G04432d	M294	Quad converter;tpd 250ns max.
65#	H114D2	5		MON	1.8%	.85*	0.0	16	256m§	-55	125	G04432d	M294	Quad Converter;tpd 250ns max.
66#	H114D6	5		MON	1.8%	.85*	0.0	16	256m§	-40	85	G04432d	M443a	Quad Converter;tpd 250ns max.
67#	H214B1	5		MON	1.8%	.85*	0.0	16	500m	0	75	G04432d	TO116	Quad Converter;tpd 250ns max.
68	9624DC	5		MOS	1.9%	1.1*	28	5.0	45mΔ	0	75	K15186	TO116	Dual;tpd 250ns max.
69	9624DM	5		MOS	1.9%	1.1*	28	5.0	45mΔ	-55	125	K15186	TO116	Dual;tpd 250ns max.
70	9624FC	5		MOS	1.9%	1.1*	28	5.0	45mΔ	0	75	K15186	FP28c	Dual;tpd 250ns max.
71	9624FM	5		MOS	1.9%	1.1*	28	5.0	45mΔ	-55	125	K15186	FP28c	Dual;tpd 250ns max.
72▼	9624PC	5		MOS	1.9%	1.1*	28	5.0	45mΔ	0	75	K15186	M126w	Dual;tpd 250ns max.
73	MC943G	5		MON	2.0%	.40*	0	8	50m†	-55	125	K0532	TO100	DTL; tpd-80ns.
74	MC843G	5		MON	2.0%	.45*	0	8	50m†	0	75	K0532	TO100	DTL; tpd-80ns.
75	DM5426J	5		TTL	2.0%	.80*	0.0	5.0		-55	125	K0585	M294f	Quad 2-Input TTL-MOS Interface Gate.
76	DM5426N	5		TTL	2.0%	.80*	0.0	5.0		-55	125	K0585	M344	Quad 2-Input TTL-MOS Interface Gate.
77	DM7426J	5		TTL	2.0%	.80*	0.0	5.0		0	70	K0585	M294f	Quad 2-Input TTL-MOS Interface Gate.
78	DM7426N	5		TTL	2.0%	.80*	0.0	5.0		0	70	K0585	M344	Quad 2-Input TTL-MOS Interface Gate.
79	DM7810J	5		MOS	2.0%	.80*	0.0	5.0	110m†	-55	125	K0585	M294f	Quad 2-Input TTL-MOS Gate.
80	DM7810N	5		MOS	2.0%	.80*	0.0	5.0	110m†	-55	125	K0585	M344	Quad 2-Input TTL-MOS Gate.
81	DM7811J	5		MOS	2.0%	.80*	0.0	5.0	110m†	-55	125	K0585a	M294f	Quad 2-Input TTL-MOS Gate.
82	DM7811N	5		MOS	2.0%	.80*	0.0	5.0	110m†	-55	125	K0585a	M344	Quad 2-Input TTL-MOS Gate.
83	DM7811W	5		MOS	2.0%	.80*	0.0	5.0	110m†	-55	125	K0585a	FP97c	Quad 2-Input TTL-MOS Gate.
84	DM8810J	5		MOS	2.0%	.80*	0.0	5.0	110m†	0	70	K0585	M294f	Quad 2-Input TTL-MOS Gate.
85	DM8810N	5		MOS	2.0%	.80*	0.0	5.0		0	70	K0585	M344	Quad 2-Input TTL-MOS Gate.
86	DM8811J	5		MOS	2.0%	.80*	0.0	5.0	110m†	0	70	K0585a	M294f	Quad 2-Input TTL-MOS Gate.
87	DM8811N	5		MOS	2.0%	.80*	0.0	5.0		0	70	K0585a	M344	Quad 2-Input TTL-MOS Gate.
88	DM8811W	5		MOS	2.0%	.80*	0.0	5.0		0	70	K0585a	FP97c	Quad 2-Input TTL-MOS Gate.
89	DM8885N	5		MOS	2.0%	.80*	0.0	5.0	600m	0	75	K0586	M345	MOS to Hi Voltage Cathode Buffer.
90▼	DS7802J	5		MON	2.0%§	.80*	0.0	5.0	200m	-55	125	K0590	M200k	High Spd MOS to TTL;tpd 32ns max.
91▼	DS7806J	5		MON	2.0%§	.80*	0.0	5.0	200m	-55	125	K0590a	M200k	High Spd MOS to TTL;tpd 32ns max.
92▼	DS7806W	5		MON	2.0%§	.80*	0.0	5.0	200m	-55	125	K0590a	FP97c	High Spd MOS to TTL;tpd 32ns max.
93▼	DS7810J	5		MON	2.0%	.80*	0.0	5.0	25m	-55	125	K0585	M257c	Quad 2 Input TTL-MOS Interface Gate.
94▼	DS7810W	5		MON	2.0%	.80*	0.0	5.0	25m	-55	125	K0585	FP97c	Quad 2 Input TTL-MOS Interface Gate.
95▼	DS7811J	5		MON	2.0%	.80*	0.0	5.0	25m	-55	125	K0585	M257c	Quad 2 Input TTL-MOS Interface Gate.
96▼	DS7811W	5		MON	2.0%	.80*	0.0	5.0	25m	-55	125	K0585	FP97c	Quad 2 Input TTL-MOS Interface Gate.
97▼	DS8802J	5		MON	2.0%§	.80*	0.0	5.0	200m	0	70	K0590	M200k	High Spd MOS to TTL;tpd 32ns max.
98▼	DS8802N	5		MON	2.0%§	.80*	0.0	5.0	200m	0	70	K0590	M345	High Spd MOS to TTL;tpd 32ns max.
99▼	DS8806J	5		MON	2.0%§	.80*	0.0	5.0	200m	0	70	K0590a	M257c	High Spd MOS to TTL;tpd 32ns max.
100▼	DS8806N	5		MON	2.0%§	.80*	0.0	5.0	200m	0	70	K0590a	M344	High Spd MOS to TTL;tpd 32ns max.
101▼	DS8810J	5		MON	2.0%	.80*	0.0	5.0	25m	0	70	K0585	M257c	Quad 2 Input TTL-MOS Interface Gate.
102▼	DS8810N	5		MON	2.0%	.80*	0.0	5.0	25m	0	70	K0585	M239a	Quad 2 Input TTL-MOS Interface Gate.
103▼	DS8811J	5		MON	2.0%	.80*	0.0	5.0	25m	0	70	K0585	M257c	Quad 2 Input TTL-MOS Interface Gate.
104▼	DS8811N	5		MON	2.0%	.80*	0.0	5.0	25m	0	70	K0585	M239a	Quad 2 Input TTL-MOS Interface Gate.
105▼	DS75361J	5		MON	2.0%	.80*	0.0	5.0	120m	0	70	K0569	M257c	Dual TTL-to-MOS Driver.
106▼	DS75361N	5		MON	2.0%	.80*	0.0	5.0	120m	0	70	K0569a	M239a	Dual TTL-to-MOS Driver.
107▼	DS75362J	5		MON	2.0%	.80*	0.0	5.0	120m	0	70	K0591	M257c	Dual TTL-to-MOS Driver.
108▼	DS75362N	5		MON	2.0%	.80*	0.0	5.0	120m	0	70	K0591a	M239a	Dual TTL-to-MOS Driver.
109▼	DS75365J	5		MON	2.0%	.80*	0.0	20	210m	0	70	K0591b	M200k	Quad TTL-to-MOS Driver.
110▼	DS75365N	5		MON	2.0%	.80*	0.0	20	210m	0	70	K0591b	M345	Quad TTL-to-MOS Driver.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MC75450L,P%	5		MON	2.0%	.80*	0.0	5.0	830m	0	70	K0555	TO116	Dual Peripheral Pos. And Driver.
2	SN55367J	5		MON	2.0%	.80*	0.0	12		-55	125	K0567	M153d	Quad TTL-to-CMOS Driver w/3-State Output.
3	SN55367JB	5		MON	2.0%	.80*	0.0	12		-55	125	K0567	M359	Quad TTL-to-CMOS Driver w/3-State Output.
4	SN55367N	5		MON	2.0%	.80*	0.0	12		-55	125	K0567	M117x	Quad TTL-to-CMOS Driver w/3-State Output.
5	SN55367SB	5		MON	2.0%	.80*	0.0	12		-55	125	K0567	FP98a	Quad TTL-to-CMOS Driver w/3-State Output.
6	SN75322J	5		MOS	2.0%	.80*	0.0	12	1.3	0	70	K0568	M157b	Dual TTL-to-MOS Driver;tpd 29ns typ.
7	SN75322N	5		MOS	2.0%	.80*	0.0	12	1.3	0	70	K0568	M126e	Dual TTL-to-MOS Driver;tpd 29ns typ.
8	SN75361AJ	5		MOS	2.0%	.80*	0.0	20	1.3	0	70	K0569	M157b	Dual TTL-to-MOS Driver;tpd 36ns typ.
9	SN75361AN	5		MOS	2.0%	.80*	0.0	20	1.3	0	70	K0569	M126e	Dual TTL-to-MOS Driver;tpd 36ns typ.
10	SN75361AP	5		MOS	2.0%	.80*	0.0	20	1.0	0	70	K0569a	M226	Dual TTL-to-MOS Driver;tpd 36ns typ.
11	SN75363J	5		MOS	2.0%	.80*	0.0	15	1.3	0	70	K0569b	M157b	Dual TTL-to-MOS Driver;tpd 33ns typ.
12	SN75363N	5		MOS	2.0%	.80*	0.0	15	1.3	0	70	K0569b	M126e	Dual TTL-to-MOS Driving;tpd 33ns typ.
13	SN75365J	5		MOS	2.0%	.80*	0.0	24	1.3	0	70	K0571	M153d	Quad TTL-to-MOS Driver;tpd 31ns typ.
14	SN75365N	5		MOS	2.0%	.80*	0.0	24	1.3	0	70	K0571	M117x	Quad TTL-to-MOS Driver;tpd 31ns typ.
15	SN75366J	5		MOS	2.0%	.80*	0.0	24	1.3	0	70	K0571	M153d	Quad TTL-to-MOS Driver;tpd 32ns typ.
16	SN75366N	5		MOS	2.0%	.80*	0.0	24	1.3	0	70	K0571	M117x	Quad TTL-to-MOS Driver;tpd 32ns typ.
17	SN75367J	5		MON	2.0%	.80*	0.0	12		0	70	K0567	M153d	Quad TTL-to-CMOS Driver w/3-State Output.
18	SN75367N	5		MON	2.0%	.80*	0.0	12		0	70	K0567	M117x	Quad TTL-to-CMOS Driver w/3-State Output.
19	SN75367SB	5		MON	2.0%	.80*	0.0	12		0	70	K0567	FP98a	Quad TTL-to-CMOS Driver w/3-State Output.
20	SN75370JB	5		MOS	2.0%	.80*	0.0	20	1.1	0	70	K0573	M359	Dual-Channel Interface to MOS Memories.
21	SN75370N	5		MOS	2.0%	.80*	0.0	20	1.1	0	70	K0573	M117x	Dual-Channel Interface to MOS Memories.
22#	MIC361-1D	5		MON	2.4%	0.4†*	0	12		-55	125	K0558	M200d	Dual High to Low Level Interface.
23#	MIC361-1D1	5		MON	2.4%	0.4†*	0	15		-55	125	K0558	M200d	Dual High to Low Level Interface.
24#	MIC361-5D	5		MON	2.4%	0.4†*	0	12		-30	85	K0558	M200d	Dual High to Low Level Interface.
25#	MIC361-5D1	5		MON	2.4%	.40†*	0.0	15		-30	70	K0558	M200d	Dual High to Low Level Interface.
26#	SP722BE	5		MON	2.4%	.40†*	5.0	5.0	145m	0	70	K0543	M54b	Balanced Line to TTL Driver.
27#	SP722BF	5		MON	2.4%	.40†*	5.0	5.0	145m	0	70	K0543	FP2	Balanced Line to TTL Driver.
28#	SP722BT	5		MON	2.4%	.40†*	5.0	5.0	145m	0	70	K0543	CN58a	Balanced Line to TTL Driver.
29#	SP723BE	5		MON	2.4%	.40†*	5.0	5.0	155m	0	70	K0544	M54b	Balanced Line to TTL Driver.
30#	SP723BF	5		MON	2.4%	.40†*	5.0	5.0	155m	0	70	K0544	FP21	Balanced Line to TTL Driver.
31#	SP724BE	5		MON	2.4%	.40†*	5.0	5.0	230m	0	70	K0545	M54b	Balanced Line to TTL Driver.
32#	SP724BF	5		MON	2.4%	.40†*	5.0	5.0	230m	0	70	K0545	FP21	Balanced Line to TTL Driver.
33	SN75369J	5		MOS	2.5%	.50*	0.0	20	1.3	0	70	K0570	M157b	Dual MOS Driver;tpd 35ns typ.
34	SN75369N	5		MOS	2.5%	.50*	0.0	20	1.3	0	70	K0570	M126e	Dual MOS Driver;tpd 35ns typ.
35	SN75369P	5		MOS	2.5%	.50*	0.0	20	1.0	0	70	K0570a	M226	Dual MOS Driver;tpd 35ns typ.
36▼	MC12013L#4	5		MON	2.6%	.80*†	0.0	5.0	310mt	-30	85	K0588	M200aa	2-Modulus Prescaler;ECT.
37▼	MC12513L#4	5		MON	2.7%	.80*†	0.0	5.0	310mt	-55	125	K0588	M200aa	2-Modulus Prescaler;ECT.
38	MC10177L	5	5.0Mt	MON	3.0%	.50*†	5.2	6.0	1.0	-30	85	K15570	M191	Triple MECL to NMOS Translator.
39	HEPC0910P-RT	5		MON	3.1%	.40*†	0.0	15	104m	-30	75	K15575	TO116	HTL:Triple Level Translator.
40	N8T363A	5		MON	3.2	.60*†	0.0	5.0	32m%	0	75	K0564	M318	Dual Zero Crossing Detector.
41	S8T363A	5		MON	3.2	.60*†	0.0	5.0	32m%	-55	125	K0564	M318	Dual Zero Crossing Detector.
42	N8T93F	5		MON	3.3		0.0	5.0		0	75	K0565	M200x	High Speed Hex (PNP Inputs).
43	S8T93A	5		MON	3.3		0.0	5.0		-55	125	K0565	M318	High Speed Hex (PNP Inputs).
44	S8T93F	5		MON	3.3		0.0	5.0		-55	125	K0565	M200x	High Speed Hex (PNP Inputs).
45	N8T93A	5		MON	3.3	.50*†	0.0	5.0		0	75	K0565	M318	High Speed Hex (PNP Inputs).
46	N8T18A	5		MON	3.4%	.35*†	0.0	5.0	44mΔ	0	75	K0520	M318	Dual Nand Gate;Converts to Std 5V Oper.
47	N8T18F	5		MON	3.4%	.35†*	0.0	5.0	44mΔ	0	75	K0520	M200x	Dual Nand Gate;Converts to Std 5V Oper.
48	N8T18W	5		MON	3.4%	.35*†	0.0	5.0	44mΔ	0	75	K0520	FP39e	Dual Nand Gate;Converts to Std 5V Oper.
49	S8T18A	5		MON	3.4%	.35*†	0.0	5.0	44mΔ	-55	125	K0520	M318	Dual Nand Gate;Converts to Std 5V Oper.
50	S8T18F	5		MON	3.4%	.35†*	0.0	5.0	44mΔ	-55	125	K0520	M200x	Dual Nand Gate;Converts to Std 5V Oper.
51	S8T18W	5		MON	3.4%	.35*†	0.0	5.0	44mΔ	-55	125	K0520	FP39e	Dual Nand Gate;Converts to Std 5V Oper.
52	N8T25V	5		MON	3.5§	.40*†	0.0	5.0	210mt	0	75	K0566	M239d	Dual Sense Amp/Latch.
53▼	MC12013L#3	5		MON	4.0%	3.4*†	0.0	5.0	310mt	-30	85	K0588	M200aa	2-Modulus Prescaler;ECT.
54▼	MC12513L#3	5		MON	4.0%	3.4*†	0.0	5.0	310mt	-55	125	K0588	M200aa	2-Modulus Prescaler;ECT.
55	I403	5	5.0M	PCB	5.0	0.0	4.8	5.2	100m	0	70	K0525a	CB☐	5 Ckts;One in-Vx out;Zero in-0V out.
56	I404	5	5.0M	PCB	5.0	0.0	4.8	5.2	125m	0	70	K0525	CB☐	5 Ckts;One in-0V out;Zero in-Vx out.
57	I408	5	5.0M	PCB	5.0	0.0	4.8	5.2	100m	0	70	K0528	CB☐	0 to-1V in Zero out;-6 to -20V in One out
58	I409	5	5.0M	PCB	5.0	0.0	4.8	5.2	75m	0	70	K0529	CB☐	0 to 1V in One out;6 to 20V in Zero out.
59	I413	5	5.0M	PCB	5.0	0.0	4.8	5.2	550m	0	70		CB☐	Level Conversion from DTL to 5V and 20V.
60	I416	5	5.0M	PCB	5.0	0.0	4.8	5.2	450m	0	70		CB☐	Interface from DTL to 0V/30V.
61	CH1140	5		MOH	5.0	.1†	5.0	3.0	500mt	-25	75		M158g	Hybrid EIA to Logic and Logic to EIA Dupl.
62	CH1141	5		MOH	5.0	.1†	1.0	5.0	50m	-25	75		M158f	Hybrid EIA to logic converter.
63	CH1142	5		MOH	5.0	.1†	1.0	5.0	50m	-25	75		M158f	Hybrid Dual EIA to Logic Converter.
64▼	DS75364J	5		MOS	5.0%	1.0*	0.0	20	210m	0	70	K0570	M257c	Dual;tpd 35ns typ.
65▼	DS75364N	5		MOS	5.0%	1.0*	0.0	20	210m	0	70	K0570a	M239a	Dual;tpd 35ns typ.
66	SN75364J	5		MOS	5.0%	1.0*	0.0	24	1.3	0	70	K0570	M157b	Dual MOS Driver;tpd 34ns typ.
67	SN75364N	5		MOS	5.0%	1.0*	0.0	24	1.3	0	70	K0570	M126e	Dual MOS Driver;tpd 34ns typ.
68	SN75364P	5		MOS	5.0%	1.0*	0.0	24	1.0	0	70	K0570a	M226	Dual MOS Driver;tpd 34ns typ.
69	361AJ	5		MON	6.5*	5.0%	0.0	15	165mt	-30	70	K0518	M319	Dual Inp.Interface;tpd 325ns max.
70	361AL	5		MON	6.5*	5.0%	0.0	15	165mt	-30	70	K0518	M200j	Dual Inp.Interface;tpd 325ns max.
71	361BL	5		MON	6.5*	5.0%	0.0	12	96mt	-55	125	K0518	M200j	Dual Inp.Interface;tpd 325ns max.
72	361CJ	5		MON	6.5*	5.0%	0.0	12	120m	-30	85	K0518	M319	2 ckt;high level to low level.
73	361CL	5		MON	6.5*	5.0%	0.0	12	96mt	-30	85	K0518	M200j	Dual Inp.Interface;tpd 325ns max.
74	361ML	5		MON	6.5*	5.0%	0.0	15	165mt	-55	125	K0518	M200j	Dual Inp.Interface;tpd 325ns max.
75	362AJ	5		MON	6.5*	5.0%	0.0	15	195mt	-30	70	K0519	M319	Dual Outp Interface;tpd 400ns max.
76	362AL	5		MON	6.5*	5.0%	0.0	15	195mt	-30	70	K0519	M200j	Dual Outp Interface;tpd 400ns max.
77	362BL	5		MON	6.5*	5.0%	0.0	12	120mt	-55	125	K0519	M200j	Dual Outp Interface;tpd 400ns max.
78	362CJ	5		MON	6.5*	5.0%	0.0	12	150m	-30	85	K0519	M319	2 ckt;low level to high level.
79	362CL	5		MON	6.5*	5.0%	0.0	12	120mt	-30	85	K0519	M200j	Dual Outp Interface;tpd 400ns max.
80	362ML	5		MON	6.5*	5.0%	0.0	15	195mt	-55	125	K0519	M200j	Dual Outp Interface;tpd 400ns max.
81	363AL	5		MON	6.5*	5.0%	0.0	15	960mt	-30	70	K0557	M200j	Quad Outp Interface;tpd 600ns max.
82	363BL	5		MON	6.5*	5.0%	0.0	12	612mt	-55	125	K0557	M200j	Quad Outp Interface;tpd 600ns max.
83	363CJ	5		MON	6.5*	5.0%	0.0	12	612mt	-30	85	K0557	M319	Quad Outp Interface;tpd 600ns max.
84	363CL	5		MON	6.5*	5.0%	0.0	12	612mt	-30	85	K0557	M200j	Quad Outp Interface;tpd 600ns max.
85	363ML	5		MON	6.5*	5.0%	0.0	15	960mt	-55	125	K0557	M200j	Quad Outp Interface;tpd 600ns max.
86	HD1-54C902	5		MOS	8.0%	2.0*	0.0	10	500m	-55	125	K0561	M126v	Hex Non Inverting TTL Buffer.
87	HD1-54C904	5		MOS	8.0%	2.0*	0.0	10	500m	-55	125	K0561	M126v	Hex Non Inverting PMOS Buffer.
88	HD1-70C95	5		MOS	8.0%§	2.0*	0.0	10	500m	-55	125	K0562	M200q	3-State Hex Non Inverting Buffer.
89	HD1-70C97	5		MOS	8.0%§	2.0*	0.0	10	500m	-55	125	K0563	M200q	3-State Hex Non Inverting Buffer.
90	HD1-74C902	5		MOS	8.0%	2.0*	0.0	10	500m	-40	85	K0561	M126v	Hex Non Inverting TTL Buffer.
91	HD1-74C904	5		MOS	8.0%	2.0*	0.0	10	500m	-40	85	K0561	M126v	Hex Non Inverting PMOS Buffer.
92	HD1-80C95	5		MOS	8.0%§	2.0*	0.0	10	500m	-40	85	K0562	M200q	3-State Hex Non Inverting Buffer.
93	HD1-80C97	5		MOS	8.0%§	2.0*	0.0	10	500m	-40	85	K0563	M200q	3-State Hex Non Inverting Buffer.
94	HD9-54C902	5		MOS	8.0%	2.0*	0.0	10	500m	-55	125	K0561	TO86	Hex Non Inverting TTL Buffer.
95	HD9-54C904	5		MOS	8.0%	2.0*	0.0	10	500m	-55	125	K0561	TO86	Hex Non Inverting PMOS Buffer.
96	HD9-70C95	5		MOS	8.0%§	2.0*	0.0	10	500m	-55	125	K0562	FP103	3-State Hex Non Inverting Buffer.
97	HD9-70C97	5		MOS	8.0%§	2.0*	0.0	10	500m	-55	125	K0563	FP103	3-State Hex Non Inverting Buffer.
98	HD9-74C902	5		MOS	8.0%	2.0*	0.0	10	500m	-40	85	K0561	TO86	Hex Non Inverting TTL Buffer.
99	HD9-74C904	5		MOS	8.0%	2.0*	0.0	10	500m	-40	85	K0561	TO86	Hex Non Inverting PMOS Buffer.
100	HD9-80C95	5		MOS	8.0%§	2.0*	0.0	10	500m	-40	85	K0562	FP103	3-State Hex Non Inverting Buffer.
101	HD9-80C97	5		MOS	8.0%§	2.0*	0.0	10	500m	-40	85	K0563	FP103	3-State Hex Non Inverting Buffer.
102#	H113D1	5		MON	8.0%	6.0*	0.0	20	480m§	0	75	G04432c	M294	Quad Converter;tpd 250ns max.
103#	H113D2	5		MON	8.0%	6.0*	0.0	16	320m§	-55	125	G04432c	M294	Quad Converter;tpd 250ns max.
104#	H113D6	5		MON	8.0%	6.0*	0.0	16	320m§	-40	85	G04432c	M443a	Quad Converter;tpd 250ns max.
105#	H213B1	5		MON	8.0%	6.0*	0.0	16	500m	0	75	G04432c	TO116	Quad Converter;tpd 250ns max.
106	SS4050AE	5			9.8%	.20*†	0.0	10		-30	85	K0587		Hex Buffer/Conv Non Inverting Type.
107▼	MC12013L#1	5		MON	-1.0%	-1.6*†	5.2	0.0	310mt	-30	85	K0588	M200aa	2-Modulus Prescaler;ECT.
108	TMS6011JC	5		MON	-1.5%	.80*	0.0	5.0	300m	-25	85	K0559	M380	Asynchronous Data Interface.
109	TMS6011NC	5		MON	-1.5%	.80*	0.0	5.0	300m	-25	85	K0559	M380	Asynchronous Data Interface.
110	SN75358J	5		MOS	-1.5	-.15	5.2	20	1.3	0	70	K0560	M157b	Dual ECL-to-MOS Driver;tpd 30ns typ.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SN75358N	5		MOS	-1.5	-.15	5.2	20	1.3	0	70	K0560	M126e	Dual ECL-to-MOS Driver;tpd 30ns typ.
2	SN75368J	5		MOS	-1.5	-.15	5.2	24	1.3	0	70	K0560	M157b	Dual ECL-to-MOS Driver;tpd 33ns typ.
3	SN75368N	5		MOS	-1.5	-.15	5.2	24	1.3	0	70	K0560	M126e	Dual ECL-to-MOS Driver;tpd 33ns typ.
4	MC75358L,P#1	5		MOS	-1.5%	-1.6*	5.2	20	1.0	0	70	K0560	TO116	Dual MECL-to-MOS Drivers.
5	MC75358L,P#2	5		MOS	-1.5%	-1.6*	5.2	20	830m	0	70	K0560	TO116	Dual MECL-to-MTTL Translators.
6	MC75368L,P#1	5		MOS	-1.5%	-1.6*	5.2	24	1.0	0	70	K0560	TO116	Dual MECL-to-MOS Drivers.
7	MC75368L,P#2	5		MOS	-1.5%	-1.6*	5.2	24	830m	0	70	K0560	TO116	Dual MECL-to-MOS Translators.
8▼	MC12513L#2	5		MON	-2.5%	-4.4*†	5.2	0.0	310mt	-55	125	K0588	M200aa	2-Modulus Prescaler;ECT.
9▼	MC12013L#2	5		MON	-2.6%	-4.4*†	5.2	0.0	310mt	-30	85	K0588	M200aa	2-Modulus Prescaler;ECT.
10	9625DC	5		MOS	-3.0*	-9.0%	28	5.0	45mΔ	0	75	K15190	TO116	Dual;tpd 150ns max.
11	9625DM	5		MOS	-3.0*	-9.0%	28	5.0	45mΔ	-55	125	K15190	TO116	Dual;tpd 150ns max.
12	9625FC	5		MOS	-3.0*	-9.0%	28	5.0	45mΔ	0	75	K15190	FP28c	Dual;tpd 150ns max.
13	9625FM	5		MOS	-3.0*	-9.0%	28	5.0	45mΔ	-55	125	K15190	FP28c	Dual;tpd 150ns max.
14▼	9625PC	5		MOS	-3.0*	-9.0%	28	5.0	45mΔ	0	75	K15190	M126w	Dual;tpd 150ns max.
15♦	CH1102	5		MOH	11	11†	12	12	220m	-25	75	K0589	M158e	Hybrid dual logic to EIA Converter.
16▼	CA555CE	5		MON	12.7%	.25*†	0.0	15	225m	-55	125	K0592	M226	Timer for Timing Delay and Osc Appl.
17▼	CA555CG	5		MON	12.7%	.25*†	0.0	15	225m	-55	125	K0592	M226	Timer for Timing Delay and Osc Appl.
18▼	CA555CS	5		MON	12.7%	.25*†	0.0	15	225m	-55	125	K0592	CN13	Timer for Timing Delay and Osc Appl.
19▼	CA555CT	5		MON	12.7%	.25*†	0.0	15	225m	-55	125	K0592	Δ002AL	Timer for Timing Delay and Osc Appl.
20▼	CA555E	5		MON	13.0%	.15*†	0.0	15	180m	-55	125	K0592	M226	Timer for Timing Delay and Osc Appl.
21▼	CA555G	5		MON	13.0%	.15*†	0.0	15	180m	-55	125	K0592	M226	Timer for Timing Delay and Osc Appl.
22▼	CA555S	5		MON	13.0%	.15*†	0.0	15	180m	-55	125	K0592	CN13	Timer for Timing Delay and Osc Appl.
23▼	CA555T	5		MON	13.0%	.15*†	0.0	15	180m	-55	125	K0592	Δ002AL	Timer for Timing Delay and Osc Appl.
24#	9900-1-5D	6		MON			0.0	3.0	45mt	-55	125	K06114	TO99	Buffer; RTL.
25	9900HC	6		MON			0.0	3.6		0	70	K0689b	TO99	Fan Out 80.
26	9927HC	6		MON			0.0	3.6		0	70	K0643	TO100	4 Ckts;Fan Out 16.
27#	GTB74S04P	6		MON			0.0	5.0	37mΔ	0	70	K06109		Sextuple;tpd 3.0ns.
28#	GTB74S05P	6		MON			0.0	5.0	37mΔ	0	70	K06109		Sextuple;tpd 3.0ns.
29	HEP573-RT	6					0.0	4.0	130m				TO116	FO 80 typ;tpd 48ns typ.
30	HEPC0908P-RT	6		MON			0.0	15	192mt	-30	75	K06158	TO116	HTL;HEX;tpd 125ns typ;Vol 1.5Vdc.
31	HEPC2002P-RT	6		MON			0.0	5.0	90m	0	75	K0688	TO116	Buffer;RTL;tpd 15ns.
32#	MIC332-1D	6		MON			0.0	12		-55	125		M153a	Hex Inverter.
33#	MIC332-1D1	6		MON			0.0	15		-55	125		M153a	Hex Inverter.
34#	MIC332-5D	6		MON			0.0	12		-30	85		M153a	Hex Inverter.
35#	MIC332-5D1	6		MON			0.0	15		-30	85		M153a	Hex Inverter.
36#	MIC333-1D	6		MON			0.0	12		-55	125		M153a	Hex Inverter.
37#	MIC333-1D1	6		MON			0.0	15		-55	125		M153a	Hex Inverter.
38#	MIC333-5D	6		MON			0.0	12		-30	85		M153a	Hex Inverter.
39#	MIC333-5D1	6		MON			0.0	15		-30	85		M153a	Hex Inverter.
40#	MIC334-1D	6		MON			0.0	12		-55	125		M153a	Hex Inverter.
41#	MIC334-1D1	6		MON			0.0	15		-55	125		M153a	Hex Inverter.
42#	MIC334-5D	6		MON			0.0	12		-30	85		M153a	Hex Inverter.
43#	MIC334-5D1	6		MON			0.0	15		-30	85		M153a	Hex Inverter.
44	SP690A	6		MON			0.0	4.5	120mt	0	75	G0489m	M105ae	Hex;TpD 60ns; FO8;Noise Margin 2.0Vmax.
45	SW4009A	6		MOS			0.0	5.0	200m	-40	85	K06119	M117z	Hex Buffer/Converter;tpd 50ns max.
46	SW4049A	6		MOS			0.0	5.0	200m	-40	85	K06164	M117z	Hex Buffer/Converter;tpd 50ns max.
47	MC3009F	6		MON		.40*†	0.0	5.0	90mt	0	75	G04387e	TO86	6 ckts; tpd 8.0ns typ; FO10.
48	MC3109F	6		MON		.40*†	0.0	5.0	90mt	-55	125	G04387e	TO86	6 ckts; tpd 8.0ns typ; FO10.
49	MC5405F	6		MON		.40*†	0.0	5.0	60mt	-55	125	G04387f	TO86	6 Ckts;tpd 35ns;FO 10.
50	HEPC1035P-RT	6		MON		.45*†	0.0	5.0	42mt	0	75	K06123	TO116	Hex;DTL;tpd 30ns typ;FO 8.
51	SP391A	6		MON		.60†*	0.0	5.0	50m	0	75	K06121	TO116	Hex;6 ckts;FO 10;tpD 50ns max.
52	MC1820L,P%	6		MON		1.0*†	0.0	5.0	42mt	0	75	K0681f	TO116	Hi Volt;tpd 40ns;FO7;6ckts.
53#	TL681L	6		MON		1.5†*	0.0	15	192mt	-30	75	K06117	M157a	6 ckts;DTL;tpd 125ns typ;FO 10.
54#	TL681P	6		MON		1.5†*	0.0	15	192mt	-30	75	K06117	M114f	6 ckts;DTL;tpd 125ns typ;FO 10.
55#	ZN226	6		MON	.20	4.0	0.0	5.0	19m	-55	125		TO86	6 ckts.
56#	ZN226E	6		DTL	.20	4.0	0.0	4.5	19m	0	70		MØ	Hex Inverter;PD 9.0ns;FO,8.
57#	ZN236	6		MON	.20	4.0	0.0	5.0	19m	-55	125		TO86	6 ckts.
58#	ZN236E	6		DTL	.20	4.0	0.0	4.5	19m	0	70		MØ	Hex Inverter; PD, 9.0ns; FO,8.
59#	ZN326	6		MON	.20	4.0	0.0	5.0	19m	-55	125		TO88	
60#	ZN326E	6		MON	.20	4.0	0.0	5.0	19m	-55	125		TO88	
61#	ZN336	6		MON	.20	4.0	0.0	5.0	19m	-55	125		TO88	
62#	ZN336E	6		MON	.20	4.0	0.0	5.0	19m	-55	125		TO88	
63#	ZSS54A	6		MON	.20	4.0	0.0	5.0	19m	-55	125	K0679	CN2	3 ckts.
64#	ZSS54B	6		MON	.20	4.0	0.0	5.0	19m	-55	125	K0679	CN2	3 ckts.
65#	ZSS84A	6		MON	.20	4.0	0.0	5.0	19m	0	70	K0679	CN2	3 ckts.
66#	ZSS84B	6		MON	.20	4.0	0.0	5.0	19m	0	70	K0679	CN2	3 ckts.
67#	ZSS114A	6		MON	.20	4.0	0.0	5.0	19m	-55	125	K0679	CN2	3 ckts.
68#	ZSS114B	6		MON	.20	4.0	0.0	5.0	19m	-55	125	K0679	CN2	3 ckts.
69#	ZSS134A	6		MON	.20	4.0	0.0	5.0	19m	0	70	K0679	CN2	3 ckts.
70#	ZSS134B	6		MON	.20	4.0	0.0	5.0	19m	0	70	K0679	CN2	3 ckts.
71	MC909F	6		MON	.75%	.45*	0	4	16mt	-55	125	K0650	TO91	Buffer; Fan-Out-30; tpd-57ns.
72	MC909G	6		MON	.75%	.45*	0	4	16mt	-55	125	K0650	TO99	Buffer; Fan-Out-30; tpd-57ns.
73	MC809F	6		MON	.80%	.46*	0	4	23mt	0	75	K0650	TO91	Buffer; Fan-Out-30; tpd-57ns.
74	MC809G	6		MON	.80%	.46*	0	4	23mt	0	75	K0650	TO99	Buffer; Fan-Out-30; tpd-57ns.
75	MC9818P	6		MON	.80%	.46*	0.0	3.0	7.0mt	0	75	K0686	TO116	6 Hex Inverters;Fan Out 4;tpd 12ns.
76	MC899P	6		MON	.80%	.50*	0.0	3.6	50mt	0	75	K0688	TO116	Dual Buffer;tpd 20ns;Fan Out 80.
77	MC900F	6		MON	.82%	.57*	0.0	4.0	45mt	-55	125	K0688b	TO91	1 Ckt;Fan Out 25;tpd 20ns.
78	MC900G	6		MON	.82%	.57*	0.0	4.0	45mt	-55	125	K0688b	TO99	1 Ckt;Fan Out 25;tpd 20ns.
79	MC927F	6		MON	.82%	.57*	0	4	65mt	-55	125	K0669b	TO91	RTL; Fan-Out-5; tpd-12ns.
80	MC927G	6		MON	.82%	.57*	0	4	65mt	-55	125	K0669b	TO100	RTL; Fan-Out-5; tpd-12ns.
81	MC989F	6		MON	.82%	.57*	0	4	114mt	-55	125	K0669a	TO86	RTL; Fan-Out-5; tpd-12ns; Pd-114mW.
82	MC999F	6		MON	.82%	.57*	0.0	4.0	90mt	-55	125	K0688a	TO91	2 Ckts;Fan Out 25;tpd 20ns.
83	MC999G	6		MON	.82%	.57*	0.0	4.0	90mt	-55	125	K0688a	TO100	2 Ckts;Fan Out 25;tpd 20ns.
84	MC800F	6		MON	.84%	.55*	0.0	4.0	45mt	0	100	K0688b	TO91	1 Ckt;Fan Out 25;tpd 20ns.
85	MC800G	6		MON	.84%	.55*	0.0	4.0	45mt	0	100	K0688b	TO99	1 Ckt;Fan Out 25;tpd 20ns.
86	MC827F	6		MON	.84%	.55*	0	4	65mt	0	100	K0669b	TO91	RTL; Fan-Out-5; tpd-12ns.
87	MC827G	6		MON	.84%	.55*	0	4	65mt	0	100	K0669b	TO100	RTL; Fan-Out-5; tpd-12ns.
88	MC889F	6		MON	.84%	.55*	0	4	114mt	0	100	K0669a	TO86	RTL; Fan-Out-5; tpd-12ns; Pd-114mW.
89	MC899F	6		MON	.84%	.55*	0.0	4.0	90mt	0	100	K0688a	TO91	2 Ckts;Fan Out 25;tpd 20ns.
90	MC899G	6		MON	.84%	.55*	0.0	4.0	90mt	0	100	K0688a	TO100	2 Ckts;Fan Out 25;tpd 20ns.
91	MC799P	6		MON	.85%	.46*	0.0	3.6	90mt	15	55	K0688	TO116	Dual Buffer;tpd 20ns;Fan Out 80.
92	MC9718P	6		MON	.85%	.46*	0.0	3.0	7.0mt	0	75	K0686	TO116	6 Hex Inverters;Fan Out 4;tpd 12ns.
93	MC10195L	6		MON	-.96%	-1.6*†	5.2	0.0	200mt	-30	85	K06157	M191	Hex Inverter/Buffer.
94	9109DC	6		3DM	1.0*	8.5%	.50	25		0	75		TO116	Hex Inverter.
95	9110DC	6		3DM	1.0*	8.5%	.50	25		0	75		TO116	Hex Inverter.
96	9112DC	6		3DM	1.0*	8.5%	.50	25		0	75		TO116	Hex Inverter.
97#	MIC9109-5D	6		3DM	1.0*	8.5%	.50	25		0	75		M157	Hex
98#	MIC9112-5D	6		3DM	1.0*	8.5%	.50	25		0	75		M157	Hex
99	MC709F	6		MON	1.1	.10	0	4	7mt	15	55	K0650	TO91	RTL; tpd-57ns; Fan-Out-7.
100	MC709G	6		MON	1.1	.10	0	4	7mt	15	55	K0650	TO99	RTL; tpd-57ns; Fan-Out-7.
101	MC727F	6		MON	1.1	.10	0	4	348mt	15	55	K0669b	TO91	RTL; tpd-12ns; Fan-Out-16.
102	MC727G	6		MON	1.1	.10	0	4	348mt	15	55	K0669b	TO100	RTL; tpd-12ns; Fan-Out-16.
103	MC700F	6		MON	1.3	.10	0.0	4.0	25mt	15	55	K0688b	TO91	RTL;tpd 20ns;Fan Out 96.
104	MC700G	6		MON	1.3	.10	0	4	25mt	15	55	K0688b	TO99	RTL; tpd-20ns; Fan-Out-96.
105	MC789F	6		MON	1.3	.10	0	4	130mt	15	55	K0669a	TO86	RTL; tpd-12ns; Fan-Out-16.
106	MC799F	6		MON	1.3	.10	0	4	100mt	15	55	K0688a	TO91	RTL; tpd-20ns; Fan-Out-96.
107	MC799G	6		MON	1.3	.10	0	4	100mt	15	55	K0688a	TO100	RTL; tpd-20ns; Fan-Out-96.
108	DM88L12F	6		MOS	1.3	1.3	0.0	5.0		0	70	K06162	FP97b	Hex Inverter/Interface Gate.
109	DM88L12J	6		MOS	1.3	1.3	0.0	5.0		0	70	K06162	M294f	Hex Inverter/Interface Gate.
110	DM88L12N	6		MOS	1.3	1.3	0.0	5.0		0	70	K06162	M344	Hex Inverter/Interface Gate

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1#	T116D2	6		MON	1.4%	.90*	0.0	5.0	66mt	-55	125	G03250d	M294	Hex Inverter;tpd 12ns max.
2#	T116F2	6		MON	1.4%	.90*	0.0	5.0	66mt	-55	125	G03250d	FP28g	Hex Inverter;tpd 12ns max.
3	DM9016CJ	6		MON	1.6%	.85*	0.0	5.0	183m§	0	75	K0679a	M294b	Hex Inverter;tpd 15ns max.
4	DM9016CN	6		MON	1.6%	.85*	0.0	5.0	183m§	0	75	K0679a	M344	Hex Inverter;tpd 15ns max.
5#	T116B1	6		MON	1.6%	.85*	0.0	5.0	66mt	0	75	G03250d	M126u	Hex Inverter;tpd 15ns max.
6#	T116D1	6		MON	1.6%	.85*	0.0	5.0	66mt	0	75	G03250d	M294	Hex Inverter;tpd 15ns max.
7#	T116F1	6		MON	1.6%	.85*	0.0	5.0	66mt	0	75	G03250d	FP28g	Hex Inverter;tpd 15ns max.
8	9016DM	6		MOS	1.7%	.90*	0.0	5.0	66mt	-55	125	G04345d	M157	6 Ckts;TTL Hex Inverter.
9	9016FM	6		MOS	1.7%	.90*	0.0	5.0	66mt	-55	125	G04345d	FP28b	6 Ckts;TTL Hex Inverter.
10	9017DM	6			1.7%	.90*	0.0	5.0	70m%	-55	125	K06107a	TO116	Hex;tpd 12ns max.
11	9017FM	6			1.7%	.90*	0.0	5.0	70m%	-55	125	K06107a	TO86	Hex;tpd 12ns max.
12#	MIC64135J	6		MON	1.7	.90	0.0	5.0	70mt	-40	85	K06142	TO116	NAND;tpd 22ns;F.O.20max;tr10ns;tf 4.0ns.
13#	MIC64137J	6		MON	1.7	.90	0.0	5.0	105mt	-40	85	K06142a	TO116	Hex Inv;tpd22ns;F.O.20 max;tr10ns;tf4.0ns
14	TG370F	6		MON	1.7	1.2	0.0	5.0	90mt	-55	125	K06103b	TO86	Hex Inverter;FO 15 max;tpd 20ns max.
15	TG370J	6		MON	1.7	1.2	0.0	5.0	90mt	-55	125	K06103b	M157c	Hex Inverter;FO 15 max;tpd 20ns max.
16	TG371F	6		MON	1.7	1.2	0.0	5.0	90mt	-55	125	K06103b	TO86	Hex Inverter;FO 15 max;tpd 20ns max.
17	TG371J	6		MON	1.7	1.2	0.0	5.0	90mt	-55	125	K06103b	M157c	Hex Inverter;FO 15 max;tpd 20ns max.
18	TG372F	6		MON	1.7	1.2	0.0	5.0	90mt	-55	125	K06103b	TO86	Hex Inverter;FO 15 max;tpd 20ns max.
19	TG372J	6		MON	1.7	1.2	0.0	5.0	90mt	-55	125	K06103b	M157c	Hex Inverter;FO 15 max;tpd 20ns max.
20	TG373F	6		MON	1.7	1.2	0.0	5.0	90mt	-55	125	K06103b	TO86	Hex Inverter;FO 15 max;tpd 20ns max.
21	TG373J	6		MON	1.7	1.2	0.0	5.0	90mt	-55	125	K06103b	M157c	Hex Inverter;FO 15 max;tpd 20ns max.
22#	9935DM	6		MON	1.7%	1.4*	0.0	5.0	51mt	-55	125	K0681d	M294	Hex Inverter;tpd 80ns max.
23#	9935FM	6		MON	1.7%	1.4*	0.0	5.0	51mt	-55	125	K0681d	FP28g	Hex Inverter;tpd 80ns max.
24#	9936DM	6		MON	1.7%	1.4*	0.0	5.0	51mt	-55	125	K0681d	M294	Hex Inverter;tpd 80ns max.
25#	9936FM	6		MON	1.7%	1.4*	0.0	5.0	51mt	-55	125	K0681d	FP28g	Hex Inverter;tpd 80ns max.
26	9016DC	6		MOS	1.8%	.85*	0.0	5.0	66mt	0	75	G04345d	M157	6 Ckts;TTL Hex Inverter.
27	9016FC	6		MOS	1.8%	.85*	0.0	5.0	66mt	0	75	G04345d	FP28b	6 Ckts;TTL Hex Inverter.
28	9017DC	6			1.8%	.85*	0.0	5.0	78m%	0	75	K06107a	TO116	Hex;tpd 15ns max.
29	SN29016J	6		MON	1.8%	.85*	0.0	5.0	27m%	0	75	K06112	M157b	Hex;tpd 15ns max.
30	SN29016N	6		MON	1.8%	.85*	0.0	5.0	27m%	0	75	K06112	M126e	Hex;tpd 15ns max.
31	TG380F	6		MON	1.8	1.1	0.0	5.0	132mt	-55	125	K06106	TO86	Hex Inverter;FO 11 max;tpd 10ns max.
32	TG380J	6		MON	1.8	1.1	0.0	5.0	132mt	-55	125	K06106	M157c	Hex Inverter;FO 11 max;tpd 10ns max.
33	TG381F	6		MON	1.8	1.1	0.0	5.0	132mt	-55	125	K06106	TO86	Hex Inverter;FO 11 max;tpd 10ns max.
34	TG381J	6		MON	1.8	1.1	0.0	5.0	132mt	-55	125	K06106	M157c	Hex Inverter;FO 11 max;tpd 10ns max.
35	TG382F	6		MON	1.8	1.1	0.0	5.0	132mt	-55	125	K06106	TO86	Hex Inverter;FO 11 max;tpd 10ns max.
36	TG382J	6		MON	1.8	1.1	0.0	5.0	132mt	-55	125	K06106	M157c	Hex Inverter;FO 11 max;tpd 10ns max.
37	TG383F	6		MON	1.8	1.1	0.0	5.0	132mt	-55	125	K06106	TO86	Hex Inverter;FO 11 max;tpd 10ns max.
38	TG383J	6		MON	1.8	1.1	0.0	5.0	132mt	-55	125	K06106	M157c	Hex Inverter;FO 11 max;tpd 10ns max.
39#	9935BC	6		MON	1.8%	1.2*	0.0	5.0	51mt	0	75	K0681d	M126u	Hex Inverter;tpd 100ns max.
40#	9935DC	6		MON	1.8%	1.2*	0.0	5.0	51mt	0	75	K0681d	M294	Hex Inverter;tpd 100ns max.
41#	9935FC	6		MON	1.8%	1.2*	0.0	5.0	51mt	0	75	K0681d	FP28g	Hex Inverter;tpd 100ns max.
42#	9936BC	6		MON	1.8%	1.2*	0.0	5.0	51mt	0	75	K0681d	M126u	Hex Inverter;tpd 100ns max.
43#	9936DC	6		MON	1.8%	1.2*	0.0	5.0	51mt	0	75	K0681d	M294	Hex Inverter;tpd 100ns max.
44#	9936FC	6		MON	1.8%	1.2*	0.0	5.0	51mt	0	75	K0681d	FP28g	Hex Inverter;tpd 100ns max.
45	SW736-1P	6		MON	1.8%	1.2*	0.0	5.0	42mt	-55	125	K0681f	TO116	DTL;Hex Inverter;tpd 30ns;F.O. 8.
46	SW736-2M	6		MON	1.8%	1.2*	0.0	5.0	42mt	0	75	K0681f	M105n	DTL;Hex Inverter;tpd 30ns;F.O. 8.
47	SW736-2P	6		MON	1.8%	1.2*	0.0	5.0	42mt	0	75	K0681f	TO116	DTL;Hex Inverter;tpd 30ns;F.O. 8.
48	SW737-1P	6		MON	1.8%	1.2*	0.0	5.0	42mt	-55	125	K0681f	TO116	DTL;Hex Inverter;tpd 30ns;F.O. 8.
49	SW737-2M	6		MON	1.8%	1.2*	0.0	5.0	42mt	0	75	K0681f	M105n	DTL;Hex Inverter;tpd 30ns;F.O. 8.
50	SW737-2P	6		MON	1.8%	1.2*	0.0	5.0	42mt	0	75	K0681f	TO116	DTL;Hex Inverter;tpd 30ns;F.O. 8.
51	SW935-1P	6		MON	1.8%	1.2*	0.0	5.0	48mt	-55	125	K0681d	TO116	Expandable Hex Inverter;DTL;tpd 30ns;F O 8
52	SW935-2M	6		MON	1.8%	1.2*	0.0	5.0	48mt	0	75	K0681d	M105n	Expandable Hex Inverter;DTL;tpd 30ns;F O 8
53	SW935-2P	6		MON	1.8%	1.2*	0.0	5.0	48mt	0	75	K0681d	TO116	Expandable Hex Inverter;DTL;tpd 30ns;F O 8
54	SW936-1P	6		MON	1.8%	1.2*	0.0	5.0	48mt	-55	125	K0677a	TO116	Hex Inverter;DTL;F. O. 8;tps 30ns.
55	SW936-2M	6		MON	1.8%	1.2*	0.0	5.0	48mt	0	75	K0677a	M105n	Hex Inverter;DTL;F. O. 8;tps 30ns.
56	SW936-2P	6		MON	1.8%	1.2*	0.0	5.0	48mt	0	75	K0677a	TO116	Hex Inverter;DTL;F. O. 8;tps 30ns.
57	SW937-1P	6		MON	1.8%	1.2*	0.0	5.0	72mt	-55	125	K0677a	TO116	Hex Inverter;DTL;F. O. 7;tps 20ns.
58	SW937-2M	6		MON	1.8%	1.2*	0.0	5.0	72mt	0	75	K0677a	M105n	Hex Inverter;DTL;F. O. 7;tps 20ns.
59	SW937-2P	6		MON	1.8%	1.2*	0.0	5.0	72mt	0	75	K0677a	TO116	Hex Inverter;DTL;F. O. 7;tps 20ns.
60	9937DM	6		MON	1.9%	1.1*	0.0	5.0	51mt	-55	125	K0677a	M157	Hex Inverter;6 Ckts;DTL.
61	9937FM	6		MON	1.9%	1.1*	0.0	5.0	51mt	-55	125	K0677a	FP28c	Hex Inverter;6 Ckts;DTL.
62#	M5935P	6		MON	1.9%	1.1*	0.0	8.0	8.5m	0	75	K0677c	M105j	DTL;tpd-25nS;Fanout-8.
63#	M5936P	6		MON	1.9%	1.1*	0.0	8.0	8.5m	0	75	K0677a	M105j	DTL;tpd-25nS;Fanout-8.
64#	M5937P	6		MON	1.9%	1.1*	0.0	8.0	12m	0	75	K0677a	M105j	DTL;tpd-20nS;Fanout-7.
65	JANM38510/03002BAA	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147	FP115	Hex Inverter;Fan Out 8 max;tpd 112ns max.
66	JANM38510/03002BAB	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147	FP115	Hex Inverter;Fan Out 8 max;tpd 112ns max.
67	JANM38510/03002BAC	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147	FP115	Hex Inverter;Fan Out 8 max;tpd 112ns max.
68	JANM38510/03002BCB	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
69	JANM38510/03002BCC	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
70	JANM38510/03002CAA	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147	FP115	Hex Inverter;Fan Out 8 max;tpd 112ns max.
71	JANM38510/03002CAB	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147	FP115	Hex Inverter;Fan Out 8 max;tpd 112ns max.
72	JANM38510/03002CAC	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147	FP115	Hex Inverter;Fan Out 8 max;tpd 112ns max.
73	JANM38510/03002CCB	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
74	JANM38510/03002CCC	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
75	JANM38510/03003BAA	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147a	FP115	Hex Inverter;Fan Out 8 max;tpd 112ns max.
76	JANM38510/03003BAB	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147a	FP115	Hex Inverter;Fan Out 8 max;tpd 112ns max.
77	JANM38510/03003BAC	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147a	FP115	Hex Inverter;Fan Out 8 max;tpd 112ns max.
78	JANM38510/03003BCB	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147a	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
79	JANM38510/03003BCC	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147a	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
80	JANM38510/03003CAA	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147a	FP115	Hex Inverter;Fan Out 8 max;tpd 112ns max.
81	JANM38510/03003CAB	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147a	FP115	Hex Inverter;Fan Out 8 max;tpd 112ns max.
82	JANM38510/03003CAC	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147a	FP115	Hex Inverter;Fan Out 8 max;tpd 112ns max.
83	JANM38510/03003CCB	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147a	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
84	JANM38510/03003CCC	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147a	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
85▼#	MIC936-1B	6		MON	1.9%	1.1*	0.0	5.0	96m	-55	125	K06162	FP32	Hex Inverter;tpd 80ns max.
86▼#	MIC936-1D	6		MON	1.9%	1.1*	0.0	5.0	96m	-55	125	K06162	M313b	Hex Inverter;tpd 80ns max.
87▼#	MIC936-5B	6		MON	1.9%	1.1*	0.0	5.0	115m	0	75	K06162	FP32	Hex Inverter;tpd 80ns max.
88▼#	MIC936-5D	6		MON	1.9%	1.1*	0.0	5.0	115m	0	75	K06162	M313b	Hex Inverter;tpd 80ns max.
89▼#	MIC937-1B	6		MON	1.9%	1.1*	0.0	5.0	163m	-55	125	K06162	FP32	Hex Inverter;tpd 50ns max.
90▼#	MIC937-1D	6		MON	1.9%	1.1*	0.0	5.0	163m	-55	125	K06162	M313b	Hex Inverter;tpd 80ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼#	MIC937-5B	6		MON	1.9%	1.1*	0.0	5.0	177m	0	75	K06162	FP32	Hex Inverter;tpd 50ns max.
2▼#	MIC937-5D	6		MON	1.9%	1.1*	0.0	5.0	177m	0	75	K06162	M313b	Hex Inverter;tpd 80ns max.
3	SN15836F,R	6		MON	1.9%	1.1*	0	8	24m	0	75	K0679a	TO84	6 Ckts;Fan Out-8;DTL.
4	SN15836J	6		MON	1.9%	1.1*	0	8	24m	0	75	K0679a	TO116	6 Ckts;Fan Out-8;DTL.
5	SN15836N	6		MON	1.9%	1.1*	0	8	24m	0	75	K0679a	M126	6 Ckts;Fan Out-8;DTL.
6	SN15837F,R	6		MON	1.9%	1.1*	0	8	24m	0	75	K0679a	TO84	6 Ckts;Fan Out-7;DTL.
7	SN15837J	6		MON	1.9%	1.1*	0	8	24m	0	75	K0679a	TO116	6 Ckts;Fan Out-7;DTL.
8	SN15837N	6		MON	1.9%	1.1*	0	8	24m	0	75	K0679a	M126	6 Ckts;Fan Out-7;DTL.
9	SN15838N	6		MON	1.9%	1.1*	0.0	5.0		0	70		M126a	Hex Inverter W/O Output Resistors.
10	SN15936F,R	6		MON	1.9%	1.1*	0	8	19.m	-55	125	K0679a	TO84	6 Ckts;Fan Out-8;DTL.
11	SN15936J	6		MON	1.9%	1.1*	0	8	19.m	-55	125	K0679a	TO116	6 Ckts;Fan Out-8;DTL.
12	SN15936N	6		MON	1.9%	1.1*	0	8	19.m	-55	125	K0679a	M126	6 Ckts;Fan Out-8;DTL.
13	SN15937F,R	6		MON	1.9%	1.1*	0	8	19.m	-55	125	K0679a	TO84	6 Ckts;Fan Out-7;DTL.
14	SN15937J	6		MON	1.9%	1.1*	0	8	19.m	-55	125	K0679a	TO116	6 Ckts;Fan Out-7;DTL.
15	SN15937N	6		MON	1.9%	1.1*	0	8	19.m	-55	125	K0679a	M126	6 Ckts;Fan Out-7;DTL.
16	SN15938N	6		MON	1.9%	1.1*	0.0	5.0		-55	125		M126a	Hex Inverter W/O Output Resistors.
17	501Δ	6	5.0M	PCB	2.0%	.45*	0.0	7.0	260mt	0	70		CB62	DTL;Average tpd 35ns;FO8.
18	501AΔ	6	5.0M	PCB	2.0%	.45*	0.0	7.0	440mt	0	70		CB62	DTL Power Driver;Average tpd 35ns;FO25.
19	501B	6	5.0M	PCB	2.0%	.45*	0.0	7.0	400mt	0	70		CB62	DTL Power Driver;Average tpd 30ns;FO27.
20	501T	6	20M	PCB	2.0%	.45*	0.0	7.0	540mt	0	70		CB62	TTL;Average tpd 13ns;FO10.
21	501HT	6	40M	PCB	2.0%	.45*	0.0	7.0	760mt	0	70		CB62	TTL High Speed;Average tpd 6.0ns;FO10.
22	DM54L04F	6		MON	2.0%	.70*	0.0	5.0	6.0mt	-55	125	K06161	FP87a	Hex Inverter;FO 20;tpd 100ns max.
23	DM54L04J	6		MON	2.0%	.70*	0.0	5.0	6.0mt	-55	125	K06161	M294b	Hex Inverter;FO 20;tpd 100ns max.
24	DM54L04N	6		MON	2.0%	.70*	0.0	5.0	6.0mt	-55	125	K06161	M344	Hex Inverter;FO 20;tpd 100ns max.
25	DM74L04F	6		MON	2.0%	.70*	0.0	5.0	6.0mt	0	70	K06161	FP87a	Hex Inverter;FO 20;tpd 100ns max.
26	DM74L04J	6		MON	2.0%	.70*	0.0	5.0	6.0mt	0	70	K06161	M294b	Hex Inverter;FO 20;tpd 100ns max.
27	DM74L04N	6		MON	2.0%	.70*	0.0	5.0	6.0mt	0	70	K06161	M344	Hex Inverter;FO 20;tpd 100ns max.
28	DM78L12F	6		MON	2.0%	.70*	0.0	5.0	45m§	-55	125	K06112b	FP87a	TTL-MOS Hex Inv/Interface Gate.
29	DM78L12J	6		MON	2.0%	.70*	0.0	5.0	45m§	-55	125	K06112b	M294b	TTL-MOS Hex Inv/Interface Gate.
30	DM78L12N	6		MON	2.0%	.70*	0.0	5.0	45m§	-55	125	K06112b	M344	TTL-MOS Hex Inv/Interface Gate.
31▼	DS78L12J	6		MON	2.0%	.70*	0.0	5.0	7.5m	-55	125	K06162	M257c	TTL-MOS Hex Inverter/Interface Gate.
32▼	DS78L12W	6		MON	2.0%	.70*	0.0	5.0	7.5m	-55	125	K06162	FP97c	TTL-MOS Hex Inverter/Interface Gate.
33▼	DS88L12J	6		MON	2.0%	.70*	0.0	5.0	7.5m	0	70	K06162	M257c	TTL-MOS Hex Inverter/Interface Gate.
34▼	DS88L12N	6		MON	2.0%	.70*	0.0	5.0	7.5m	0	70	K06162	M344	TTL-MOS Hex Inverter/Interface Gate.
35	JANM38510/02005BAA	6		MON	2.0%	.70*	0.0	5.5	24m	-55	125	G04440d	FP115	Hex Inverter;Fan Out 10;tpd 99ns max.
36	JANM38510/02005BAC	6		MON	2.0%	.70*	0.0	5.5	24m	-55	125	G04440d	FP115	Hex Inverter;Fan Out 10;tpd 99ns max.
37	JANM38510/02005BCB	6		MON	2.0%	.70*	0.0	5.5	24m	-55	125	G04440d	M314	Hex Inverter;Fan Out 10;tpd 99ns max.
38	JANM38510/02005CAA	6		MON	2.0%	.70*	0.0	5.5	24m	-55	125	G04440d	FP115	Hex Inverter;Fan Out 10;tpd 99ns max.
39	JANM38510/02005CAC	6		MON	2.0%	.70*	0.0	5.5	24m	-55	125	G04440d	FP115	Hex Inverter;Fan Out 10;tpd 99ns max.
40	JANM38510/02005CCB	6		MON	2.0%	.70*	0.0	5.5	24m	-55	125	G04440d	M314	Hex Inverter;Fan Out 10;tpd 99ns max.
41#	MIC74L04J	6		MON	2.0	.70	0.0	5.0		0	70	K06107b	TO116	6 x Inverter;tpd 60ns max.
42#	SFC404LE	6		MON	2.0%	.70*	0.0	5.0		0	70		TO116	Hex Inverter;tpd 60ns max.
43#	SFC404LEM	6		MON	2.0%	.70*	0.0	5.0		-55	125		TO116	Hex Inverter;tpd 60ns max.
44	SN54H04W	6		MON	2.0%	.70*	0.0	5.0		-55	125	K06112	Δ004AA	Hex inverter;tpd 22ns max.
45	SN54H05J	6		MON	2.0%	.70*	0.0	5.0		-55	125	G04387e	M157b	Hex inverter; tpd 60ns max.
46	SN54H05N	6		MON	2.0%	.70*	0.0	5.0		-55	125	G04387e	M126	Hex inverter; tpd 60ns max.
47	SN54H05W	6		MON	2.0%	.70*	0.0	5.0		-55	125	G04387e	Δ004AA	Hex inverter;tpd 60ns max.
48	SN54L04J	6		MON	2.0%	.70*	0.0	5.0		-55	125	K06107a	M157b	Hex inverter; tpd 60ns max.
49	SN54L04T	6		MON	2.0%	.70*	0.0	5.0		-55	125	K06107	FP52e	Hex inverter; tpd 60ns max.
50▼	SN54LS04J	6		MON	2.0%	.70*	0.0	5.0	33m	-55	125	K02162	M157b	Hex Inverter;tpd 20ns max;FO 11.
51▼	SN54LS04W	6		MON	2.0%	.70*	0.0	5.0	33m	-55	125	K02162	FP97a	Hex Inverter;tpd 20ns max;FO 11.
52▼	SN54LS05J	6		MON	2.0%Ø	.70*	0.0	5.0	33m	-55	125	K02162	M157b	Hex Inverter;tpd 32ns max;FO 11.
53▼	SN54LS05W	6		MON	2.0%Ø	.70*	0.0	5.0	33m	-55	125	K02162	FP97a	Hex Inverter;tpd 32ns max;FO 11.
54	SN74L04J	6		MON	2.0%	.70*	0.0	5.0		0	70	K06107a	M157b	Hex inverter; tpd 60ns max.
55	SN74L04N	6		MON	2.0%	.70*	0.0	5.0		0	70	K06107a	M126e	Hex inverter; tpd 60ns max.
56	DM54H04J	6		MON	2.0%	.80*	0.0	5.0	290m§	-55	125	K06107a	M294b	Hex Inverter;FO 10;tpd 10ns max.
57	DM54H04N	6		MON	2.0%	.80*	0.0	5.0	290m§	-55	125	K06107a	M344	Hex Inverter;FO 10;tpd 10ns max.
58	DM54H05J	6		MON	2.0%	.80*	0.0	5.0	290m§	-55	125	K06107a	M294b	Hex Inverter;FO 10;tpd 15ns max.
59	DM54H05N	6		MON	2.0%	.80*	0.0	5.0	290m§	-55	125	K06107a	M344	Hex Inverter;FO 10;tpd 15ns max.
60	DM70L96N	6		MON	2.0%	.80*	0.0	5.0	17mt	-55	125	K06159	M345	Tri-State Hex Buffer;tpd 30ns.
61	DM70L98N	6		MON	2.0%	.80*	0.0	5.0	17mt	-55	125	K06160	M345	Tri-State Hex Buffer;tpd 30ns.
62	DM74H04J	6		MON	2.0%	.80*	0.0	5.0	290m§	0	70	K06107a	M294b	Hex Inverter;FO 10;tpd 10ns max.
63	DM74H04N	6		MON	2.0%	.80*	0.0	5.0	290m§	0	70	K06107a	M344	Hex Inverter;FO 10;tpd 10ns max.
64	DM74H05J	6		MON	2.0%	.80*	0.0	5.0	290m§	0	70	K06107a	M294b	Hex Inverter;FO 10;tpd 15ns max.
65	DM74H05N	6		MON	2.0%	.80*	0.0	5.0	290m§	0	70	K06107a	M344	Hex Inverter;FO 10;tpd 15ns max.
66	DM74S04N	6		MON	2.0%	.80*	0.0	5.0	114mt	0	70	K06107a	M344	Hex Inverter;FO10;tpd 5.0ns max.
67	DM74S05N	6		MON	2.0%	.80*	0.0	5.0	102mt	0	70	K06107a	M344	Hex Inverter;FO 10;tpd 7.5ns max.
68	DM80L96N	6		MON	2.0%	.80*	0.0	5.0	17mt	0	70	K06159	M345	Tri-State Hex Buffer;tpd 30ns.
69	DM80L98N	6		MON	2.0%	.80*	0.0	5.0	17mt	0	70	K06160	M345	Tri-State Hex Buffer;tpd 30ns.
70	DM5404J	6		MON	2.0%	.80*	0.0	5.0	50mt	-55	125	K06107a	M294b	Hex Inverter;FO 10;tpd 22ns max.
71	DM5404N	6		MON	2.0%	.80*	0.0	5.0	50mt	-55	125	K06107a	M344	Hex Inverter;FO 10;tpd 22ns max.
72	DM5404W	6		MON	2.0%	.80*	0.0	5.0	50mt	-55	125	K06107d	FP97a	Hex Inverter;FO 10;tpd 22ns max.
73	DM5405J	6		MON	2.0%	.80*	0.0	5.0	153m§	-55	125	k06107a	M294b	Hex Inverter;FO 10;tpd 45ns max.
74	DM5405N	6		MON	2.0%	.80*	0.0	5.0	153m§	-55	125	K06107a	M344	Hex Inverter;FO 10;tpd 45ns max.
75	DM5405W	6		MON	2.0%	.80*	0.0	5.0	153m§	-55	125	K06107a	FP97a	Hex Inverter;FO 10;tpd 45ns max.
76	DM5406J	6		TTL	2.0%	.80*	0.0	5.0	210m	-55	125	K06162	M294f	Hex Inverter Buffer/Driver.
77	DM5406N	6		TTL	2.0%	.80*	0.0	5.0	210m	-55	125	K06162	M344	Hex Inverter Buffer/Driver.
78	DM5406W	6		TTL	2.0%	.80*	0.0	5.0	210m	-55	125	K06162	FP97	Hex Inverter Buffer/Driver.
79	DM5407J	6		TTL	2.0%	.80*	0.0	5.0	205m	-55	125	K06136	M294f	Hex Buffer/Driver.
80	DM5407N	6		TTL	2.0%	.80*	0.0	5.0	205m	-55	125	K06136	M344	Hex Buffer/Driver.
81	DM5407W	6		TTL	2.0%	.80*	0.0	5.0	205m	-55	125	K06136	FP97	Hex Buffer/Driver.
82	DM5416J	6		TTL	2.0%	.80*	0.0	5.0	210m	-55	125	K06162	M294f	Hex Inverter Buffer/Driver.
83	DM5416N	6		TTL	2.0%	.80*	0.0	5.0	210m	-55	125	K06162	M344	Hex Inverter Buffer/Driver.
84	DM5416W	6		TTL	2.0%	.80*	0.0	5.0	210m	0	70	K06162	FP97	Hex Inverter Buffer/Driver.
85	DM5417J	6		TTL	2.0%	.80*	0.0	5.0	205m	-55	125	K06136	M294f	Hex Buffer/Driver.
86	DM5417N	6		TTL	2.0%	.80*	0.0	5.0	205m	-55	125	K06136	M344	Hex Buffer/Driver.
87	DM7090J	6		MON	2.0%	.80*	0.0	5.0	930m§	-55	125	K06107g	M200r	Quad Inv/Dual Nand Buffer;tpd 25ns max.
88	DM7090N	6		MON	2.0%	.80*	0.0	5.0	930m§	-55	125	K06107g	M345	Quad Inv/Dual Nand Buffer;tpd 25ns max.
89	DM7090W	6		MON	2.0%	.80*	0.0	5.0	930m§	-55	125	K06107g	FP88a	Quad Inv/Dual Nand Buffer;tpd 25ns max.
90	DM7096J	6		MON	2.0%	.80*	0.0	5.0	295mt	-55	125	K06159	M200r	Tri State Hex Inv;tpd 37ns max.
91	DM7096W	6		MON	2.0%	.80*	0.0	5.0	295mt	-55	125	K06159	FP88a	Tri State Hex Inv;tpd 37ns max.
92	DM7098J	6		MON	2.0%	.80*	0.0	5.0	295mt	-55	125	K06160	M200r	Tri State Hex Inv;tpd 37ns max.
93	DM7098W	6		MON	2.0%	.80*	0.0	5.0	295mt	-55	125	K06160	FP88a	Tri State Hex Inv;tpd 37ns max.
94	DM7404J	6		MON	2.0%	.80*	0.0	5.0	50mt	0	70	K06107a	M294b	Hex Inverter;FO 10;tpd 22ns max.
95	DM7404N	6		MON	2.0%	.80*	0.0	5.0	50mt	0	70	K06107a	M344	Hex Inverter;FO 10;tpd 22ns max.
96	DM7405J	6		MON	2.0%	.80*	0.0	5.0	153m§	0	70	K06107a	M294b	Hex Inverter;FO 10;tpd 45ns max.
97	DM7405N	6		MON	2.0%	.80*	0.0	5.0	153m§	0	70	K06107a	M344	Hex Inverter;FO 10;tpd 45ns max.
98	DM7406J	6		TTL	2.0%	.80*	0.0	5.0	210m	0	70	K06162	M294f	Hex Inverter Buffer/Driver.
99	DM7406N	6		TTL	2.0%	.80*	0.0	5.0	210m	0	70	K06162	M344	Hex Inverter Buffer/Driver.
100	DM7407J	6		TTL	2.0%	.80*	0.0	5.0	205m	0	70	K06136	M294f	Hex Buffer/Driver.
101	DM7407N	6		TTL	2.0%	.80*	0.0	5.0	205m	0	70	K06136	M344	Hex Buffer/Driver.
102	DM7416J	6		TTL	2.0%	.80*	0.0	5.0	210m	0	70	K06162	M294f	Hex Inverter Buffer/Driver.
103	DM7416N	6		TTL	2.0%	.80*	0.0	5.0	210m	0	70	K06162	M344	Hex Inverter Buffer/Driver.
104	DM7417J	6		TTL	2.0%	.80*	0.0	5.0	205m	0	70	K06136	M294f	Hex Buffer/Driver.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	DM7417N	6		TTL	2.0%	.80*	0.0	5.0	205m	0	70	K06136	M344	Hex Buffer/Driver.
2	DM7812J	6		MOS	2.0%	.80*	0.0	5.0	110mt	-55	125	K06107a	M294f	TTL-MOS Hex Inverter.
3	DM7812N	6		MOS	2.0%	.80*	0.0	5.0	110mt	-55	125	K06107a	M344	TTL-MOS Hex Inverter.
4	DM7812W	6		MOS	2.0%	.80*	0.0	5.0	110mt	-55	125	K06107a	FP97c	TTL-MOS Hex Inverter.
5	DM8090J	6		MON	2.0%	.80*	0.0	5.0	930m§	0	70	K06107g	M200r	Quad Inv/Dual Nand Buffer;tpd 25ns max.
6	DM8090N	6		MON	2.0%	.80*	0.0	5.0	930m§	0	70	K06107g	M345	Quad Inv/Dual Nand Buffer;tpd 25ns max.
7	DM8090W	6		MON	2.0%	.80*	0.0	5.0	930m§	0	70	K06107g	FP88a	Quad Inv/Dual Nand Buffer;tpd 25ns max.
8	DM8096J	6		MON	2.0%	.80*	0.0	5.0	295mt	0	70	K06159	M200r	Tri State Hex Inv;tpd 37ns max.
9	DM8096N	6		MON	2.0%	.80*	0.0	5.0	295mt	0	70	K06159	M345	Tri State Hex Inv;tpd 37ns max.
10	DM8096W	6		MON	2.0%	.80*	0.0	5.0	295mt	0	70	K06159	FP88a	Tri State Hex Inv;tpd 37ns max.
11	DM8098J	6		MON	2.0%	.80*	0.0	5.0	295mt	0	70	K06160	M200r	Tri State Hex Inv;tpd 37ns max.
12	DM8098N	6		MON	2.0%	.80*	0.0	5.0	295mt	0	70	K06160	M345	Tri State Hex Inv;tpd 37ns max.
13	DM8098W	6		MON	2.0%	.80*	0.0	5.0	295mt	0	70	K06160	FP88a	Tri State Hex Inv;tpd 37ns max.
14	DM8812J	6		MOS	2.0%	.80*	0.0	5.0	110mt	0	70	K06107a	M294f	TTL-MOS Hex Inverter.
15	DM8812N	6		MOS	2.0%	.80*	0.0	5.0		0	70	K06107a	M344	TTL-MOS Hex Inverter.
16	DM8812W	6		MOS	2.0%	.80*	0.0	5.0		0	70	K06107a	FP97c	TTL-MOS Hex Inverter.
17▼	DS7812J	6		MON	2.0%	.80*	0.0	5.0	25m	-55	125	K0565	M257c	Hex Inverter.
18▼	DS7812W	6		MON	2.0%	.80*	0.0	5.0	25m	-55	125	K0565	FP97c	Hex Inverter.
19▼	DS8812J	6		MON	2.0%	.80*	0.0	5.0	25m	0	70	K0565	M257c	Hex Inverter.
20▼	DS8812N	6		MON	2.0%	.80*	0.0	5.0	25m	0	70	K0565	M239a	Hex Inverter.
21#	FJH241-7404	6		MON	2.0%	.80*	0.0	5.0	60mt	0	70	K06107b	M126f	Fanout 10;tpd 10ns typ.
22#	FJH251-7405	6		MON	2.0%	.80*	0.0	5.0	60mt	0	70	K06107a	M126f	Fanout 10;tpd 24ns typ.
23#	FJH321-7405	6		MON	2.0%	.80*	0.0	5.0	10mt	0	70	K06107a	M126f	Sextuple single input;Fanout 10.
24#	FJH321-7405S1	6		MON	2.0%	.80*	0.0	5.0	10mt	0	70	K06107a	M126f	Sextuple single input;Fanout 10.
25♦#	FLH211-7404	6		MON	2.0%	.80*	0.0	5.0	165m§	0	7	K06107b	M126p	Hex;6 Ckts;Tpd 22ns max;FO 10 max.
26♦#	FLH215-8404	6		MON	2.0%	.80*	0.0	5.0	165m§	-25	85	K06107b	M126p	Hex;6 Ckts;Tpd 22ns max;FO 10 max.
27♦#	FLH271-7405	6		MON	2.0%	.80*	0.0	5.0	165m§	0	70	K06107a	M126p	Hex;6 Ckts;Fanout 10;Vo .40V/250uA.
28♦#	FLH271S7405S1	6		MON	2.0%	.80*	0.0	5.0	165m§	0	70	K06107a	M126p	Hex;6 Ckts;Fanout 10;Vo 15V/250uA.
29♦#	FLH271T7405S3	6		MON	2.0%	.80*	0.0	5.0	165m§	0	70	K06107a	M126p	Hex;6 Ckts;Fanout 10;Vo 5.5V/50uA.
30♦#	FLH275-8405	6		MON	2.0%	.80*	0.0	5.0	165m§	-25	85	K06107a	M126p	Hex;6 Ckts;Fanout 10;Vo .40V/250uA.
31♦#	FLH275S8405S1	6		MON	2.0%	.80*	0.0	5.0	165m§	-25	85	K06107a	M126p	Hex;6 Ckts;Fanout 10;Vo 15V/250uA.
32♦#	FLH275T8405S3	6		MON	2.0%	.80*	0.0	5.0	165m§	-25	85	K06107a	M126p	Hex;6 Ckts;Fanout 10;Vo 5.5V/50uA.
33♦#	FLH461-4934	6		MON	2.0%	.80*	0.0	5.0	190m§	0	70	K06138	M126p	Hex w/exp base inp;tpd 40ns max;FO 10 max
34♦#	FLH465-49834	6		MON	2.0%	.80*	0.0	5.0	190m§	-25	85	K06138	M126p	Hex w/exp base inp;tpd 40ns max;FO 10 max
35♦#	FLH471-4935	6		MON	2.0%	.80*	0.0	5.0	190m§	0	70	K06139	M126p	Hex w/exp base inp;tpd 40ns max;FO 10 max
36♦#	FLH475-49835	6		MON	2.0%	.80*	0.0	5.0	190m§	-25	85	K06139	M126p	Hex w/exp base inp;tpd 40ns max;FO 10 max
37♦#	FLH481-7406	6		MON	2.0%	.80*	0.0	5.0	255m§	0	70	K06115	M126p	TTL Hex Buffer/Driver;tpd 23ns max;VO 30V
38♦#	FLH481T7416	6		MON	2.0%	.80*	0.0	5.0	255m§	0	70	K06115	M126p	TTL Hex Buffer/Driver;tpd 23ns max;VO 15V
39♦#	FLH485-8406	6		MON	2.0%	.80*	0.0	5.0	255m§	-25	85	K06115	M126p	TTL Hex Buffer/Driver;tpd 23ns max;VO 30V
40♦#	FLH485T8416	6		MON	2.0%	.80*	0.0	5.0	255m§	-25	85	K06115	M126p	TTL Hex Buffer/Driver;tpd 23ns max;VO 15V
41♦#	FLH491-7407	6		MON	2.0%	.80*	0.0	5.0	205m§	0	70	K06115a	M126p	TTL Hex Buffer/Driver;tpd 30ns max;VO 30V
42♦#	FLH491T7417	6		MON	2.0%	.80*	0.0	5.0	205m§	0	70	K06115a	M126p	TTL Hex Buffer/Driver;tpd 30ns max;VO 15V
43♦#	FLH495-8407	6		MON	2.0%	.80*	0.0	5.0	205m§	-25	85	K06115a	M126p	TTL Hex Buffer/Driver;tpd 30ns max;Vo 30V
44♦#	FLH495T8417	6		MON	2.0%	.80*	0.0	5.0	205m§	-25	85	K06115a	M126p	TTL Hex Buffer/Driver;tpd 30ns max;Vo 15V
45▼#	GFB7404	6		MON	2.0%	.80*	0.0	5.0	60mt	0	70	K06107b	TO116	Fan Out 10 max;tpd 22ns max.
46▼#	GFB7405	6		MON	2.0%	.80*	0.0	5.0	60mt	0	70	K06107a	TO116	Fan Out 10 max;tpd 55ns max.
47▼#	GFB7405S1	6		MON	2.0%	.80*	0.0	5.0	60mt	0	70	K06107a	TO116	Fan Out 10 max;tpd 55ns max.
48▼#	GJB74H04P	6		MON	2.0%	.80*	0.0	5.0	138mt	0	70	G03250d	M126n	Tpd 13ns max;Fan Out 10.
49▼#	GJB74H05P	6		MON	2.0%	.80*	0.0	5.0	132mt	0	70	K06107a	M126n	Tpd 16ns;Noise Rej 400mV min.
50	ITT5404J	6			2.0%	.80*	0.0	5.0	60mt	-55	125	G04387f	M157	6ckts;F.O.10;TTL.
51	ITT5405J	6			2.0%	.80*	0.0	5.0	60mt	-55	125	G04387e	M157	6ckts;F.O.10;TTL.
52	ITT7404J	6			2.0%	.80*	0.0	5.0	60mt	0	70	G04387f	M157	6ckts;F.O.10;TTL.
53	ITT7405J	6			2.0%	.80*	0.0	5.0	60mt	0	70	K06107a	M157	6ckts;F.O.10;TTL.
54#	M5S004P	6		MON	2.0%	.80*	0.0	5.0	113m%	0	75	K06109b	M105j	Hex Inverter.
55#	M5S005P	6		MON	2.0%	.80*	0.0	5.0	189m%	0	75	K06125	M105j	Hex Inverter with Open Collector.
56	JANM38510/00105BAA	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP115	Hex Inverters;Fan Out 10;tpd 25ns max.
57	JANM38510/00105BAB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP115	Hex Inverters;Fan Out 10;tpd 25ns max.
58	JANM38510/00105BAC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP115	Hex Inverters;Fan Out 10;tpd 25ns max.
59	JANM38510/00105BCA	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430j	M314	Hex Inverters;Fan Out 10;tpd 25ns max.
60	JANM38510/00105BCB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430j	M314	Hex Inverters;Fan Out 10;tpd 25ns max.
61	JANM38510/00105BCC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430j	M314	Hex Inverters;Fan Out 10;tpd 25ns max.
62	JANM38510/00105BDB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP116	Hex Inverters;Fan Out 10;tpd 25ns max.
63	JANM38510/00105CAA	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP115	Hex Inverters;Fan Out 10;tpd 25ns max.
64	JANM38510/00105CAB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP115	Hex Inverters;Fan Out 10;tpd 25ns max.
65	JANM38510/00105CAC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP115	Hex Inverters;Fan Out 10;tpd 25ns max.
66	JANM38510/00105CCA	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430j	M314	Hex Inverters;Fan Out 10;tpd 25ns max.
67	JANM38510/00105CCB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430j	M314	Hex Inverters;Fan Out 10;tpd 25ns max.
68	JANM38510/00105CCC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430j	M314	Hex Inverters;Fan Out 10;tpd 25ns max.
69	JANM38510/00105CDB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP116	Hex Inverters;Fan Out 10;tpd 25ns max.
70	JANM38510/00108BAA	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431a	FP115	Hex Inverters;Fan Out 10;tpd 28ns max.
71	JANM38510/00108BAB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431a	FP115	Hex Inverters;Fan Out 10;tpd 28ns max.
72	JANM38510/00108BAC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431a	FP115	Hex Inverters;Fan Out 10;tpd 28ns max.
73	JANM38510/00108BCA	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431d	M314	Hex Inverters;Fan Out 10;tpd 28ns max.
74	JANM38510/00108BCB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431d	M314	Hex Inverters;Fan Out 10;tpd 28ns max.
75	JANM38510/00108BCC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431d	M314	Hex Inverters;Fan Out 10;tpd 28ns max.
76	JANM38510/00108BDB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431a	FP116	Hex Inverters;Fan Out 10;tpd 28ns max.
77	JANM38510/00108CAA	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431a	FP115	Hex Inverters;Fan Out 10;tpd 28ns max.
78	JANM38510/00108CAB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04331a	FP115	Hex Inverters;Fan Out 10;tpd 28ns max.
79	JANM38510/00108CAC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431a	FP115	Hex Inverters;Fan Out 10;tpd 28ns max.
80	JANM38510/00108CCA	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431d	M314	Hex Inverters;Fan Out 10;tpd 28ns max.
81	JANM38510/00108CCB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431d	M314	Hex Inverters;Fan Out 10;tpd 28ns max.
82	JANM38510/00108CCC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431d	M314	Hex Inverters;Fan Out 10;tpd 28ns max.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	JANM38510/00108CDB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431a	FP116	Hex Inverters;Fan Out 10;tpd 28ns max.
2	JANM38510/00801BAA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP115	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
3	JANM38510/00801BAB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP115	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
4	JANM38510/00801BAC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP115	Hex inv buffer/driver;Vo 30V;tpd 30ns max.
5	JANM38510/00801BCA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
6	JANM38510/00801BCB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
7	JANM38510/00801BCC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
8	JANM38510/00801BDB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP116	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
9	JANM38510/00801CAA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP115	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
10	JANM38510/00801CAB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP115	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
11	JANM38510/00801CAC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP115	Hex inv buffer/driver;Vo 30V;tpd 30ns max.
12	JANM38510/00801CCA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
13	JANM38510/00801CCB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
14	JANM38510/00801CCC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
15	JANM38510/00801CDB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP116	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
16	JANM38510/00802BAA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP115	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
17	JANM38510/00802BAB	6		MON	2.0%	.80*	0.0	5.0	324m	-55	125	K06135	FP115	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
18	JANM38510/00802BAC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP115	Hex inv buffer/driver;Vo 15V;tpd 30ns max.
19	JANM38510/00802BCA	6		MON	2.0%	.80*	0.0	5.0	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
20	JANM38510/00802BCB	6		MON	2.0%	.80*	0.0	5.0	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
21	JANM38510/00802BCC	6		MON	2.0%	.80*	0.0	5.0	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
22	JANM38510/00802BDB	6		MON	2.0%	.80*	0.0	5.0	324m	-55	125	K06135	FP116	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
23	JANM38510/00802CAA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP115	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
24	JANM38510/00802CAB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP115	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
25	JANM38510/00802CAC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP115	Hex inv buffer/driver;Vo 15V;tpd 30ns max.
26	JANM38510/00802CCA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
27	JANM38510/00802CCB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
28	JANM38510/00802CCC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
29	JANM38510/00802CDB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP116	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
30	JANM38510/00803BAA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP115	Hex buffer/driver;Vo 30V;tpd 35ns max.
31	JANM38510/00803BAB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP115	Hex buffer/driver;Vo 30V;tpd 35ns max.
32	JANM38510/00803BAC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP115	Hex buffer/driver;Vo 30V;tpd 35ns max.
33	JANM38510/00803BCA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 30V;tpd 35ns max.
34	JANM38510/00803BCB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 30V;tpd 35ns max.
35	JANM38510/00803BCC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 30V;tpd 35ns max.
36	JANM38510/00803BDB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP116	Hex buffer/driver;Vo 30V;tpd 35ns max.
37	JANM38510/00803CAA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP115	Hex buffer/driver;Vo 30V;tpd 35ns max.
38	JANM38510/00803CAB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP115	Hex buffer/driver;Vo 30V;tpd 35ns max.
39	JANM38510/00803CAC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 30V;tpd 35ns max.
40	JANM38510/00803CCA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 30V;tpd 35ns max.
41	JANM38510/00803CCB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 30V;tpd 35ns max.
42	JANM38510/00803CCC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP116	Hex buffer/driver;Vo 30V;tpd 35ns max.
43	JANM38510/00803CDB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP115	Hex buffer/driver;Vo 15V;tpd 35ns max.
44	JANM38510/00804BAA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP115	Hex buffer/driver;Vo 15V;tpd 35ns max.
45	JANM38510/00804BAB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP115	Hex buffer/driver;Vo 15V;tpd 35ns max.
46	JANM38510/00804BAC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 15V;tpd 35ns max.
47	JANM38510/00804BCA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 15V;tpd 35ns max.
48	JANM38510/00804BCB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 15V;tpd 35ns max.
49	JANM38510/00804BCC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP116	Hex buffer/driver;Vo 15V;tpd 35ns max.
50	JANM38510/00804BDB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP115	Hex buffer/driver;Vo 15V;tpd 35ns max.
51	JANM38510/00804CAA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP115	Hex buffer/driver;Vo 15V;tpd 35ns max.
52	JANM38510/00804CAB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP115	Hex buffer/driver;Vo 15V;tpd 35ns max.
53	JANM38510/00804CAC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 15V;tpd 35ns max.
54	JANM38510/00804CCA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 15V;tpd 35ns max.
55	JANM38510/00804CCB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 15V;tpd 35ns max.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	JANM38510/00804CCC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 15V;tpd 35ns max.
2	JANM38510/00804CDB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP116	Hex buffer/driver;Vo 15V;tpd 35ns max.
3	JANM38510/02305BAA	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	FP115	Hex Inverter;Fan Out 10;tpd 16ns max.
4	JANM38510/02305BAB	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	FP115	Hex Inverter;Fan Out 10;tpd 16ns max.
5	JANM38510/02305BAC	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	FP115	Hex Inverter;Fan Out 10;tpd 16ns max.
6	JANM38510/02305BCA	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	M314	Hex Inverter;Fan Out 10;tpd 16ns max.
7	JANM38510/02305BCB	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	M314	Hex Inverter;Fan Out 10;tpd 16ns max.
8	JANM38510/02305BCC	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	M314	Hex Inverter;Fan Out 10;tpd 16ns max.
9	JANM38510/02305BDB	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	FP116	Hex Inverter;Fan Out 10;tpd 16ns max.
10	JANM38510/02305CAA	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	FP115	Hex Inverter;Fan Out 10;tpd 16ns max.
11	JANM38510/02305CAB	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	FP115	Hex Inverter;Fan Out 10;tpd 16ns max.
12	JANM38510/02305CAC	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	FP115	Hex Inverter;Fan Out 10;tpd 16ns max.
13	JANM38510/02305CCA	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	M314	Hex Inverter;Fan Out 10;tpd 16ns max.
14	JANM38510/02305CCB	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	M314	Hex Inverter;Fan Out 10;tpd 16ns max.
15	JANM38510/02305CCC	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	M314	Hex Inverter;Fan Out 10;tpd 16ns max.
16	JANM38510/02305CDB	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	FP116	Hex Inverter;Fan Out 10;tpd 16ns max.
17#	M53204P	6		MON	2.0%	.80*	0.0	7.0	10m	0	75	K06107b	M105j	TTL;tpd-13nS;Fanout-10.
18#	M53205P	6		MON	2.0%	.80*	0.0	7.0	10m	0	75	K06107a	M105j	TTL;tpd-13nS;Fanout-10.
19▼#	M53206P	6		MON	2.0%	.80*	0.0	5.0	150mt	0	75	K06115	M105j	TTL Hex Inv Buffer/Driver;tpd 15ms;Vo 30V
20▼#	M53207P	6		MON	2.0%	.80*	0.0	5.0	145mt	0	75	K06115a	M105j	TTL Hex Buffer/Driver;tpd 14ms;Vo 30V.
21▼#	M53216P	6		MON	2.0%	.80*	0.0	5.0	150mt	0	75	K06115	M105j	TTL Hex Inv Buffer/Driver;tpd 15ns;Vo 15V
22▼#	M53217P	6		MON	2.0%	.80*	0.0	5.0	145mt	0	75	K06115a	M105j	TTL Hex Buffer/Driver;tpd 14ns;Vo 15V.
23#	MIC74H04J	6		MON	2.0%	.80*	0.0	5.0		0	75	K06107a	M157	Hex; tpd 22ns max.
24#	MIC74H05J	6		MON	2.0%	.80*	0.0	5.0		0	75	G04387e	M157	Hex; tpd 55ns max.
25♦#	MIC5404J	6		MON	2.0%	.80*	0.0	5.0	60mt	-55	125	K06162	TO116	Hex Inv;tpd 9.0ns;Fan Out 10.
26♦#	MIC5405AJ	6		MON	2.0%	.80*	0.0	5.0	60mt	-55	125	K06162	TO116	Hex Inv;tpd 24ns;Fan Out 10.
27♦#	MIC5405J	6		MON	2.0%	.80*	0.0	5.0	60mt	-55	125	K06162	TO116	Hex Inv;tpd 24ns;Fan Out 10.
28#	MIC6404J	6		MON	2.0%	.80*	0.0	5.0	60mt	-40	85	G04387f	TO116	Hex Inv;tpd 9.0ns;Fan Out 10.
29#	MIC6405AJ	6		MON	2.0%	.80*	0.0	5.0	60mt	-40	85	K017a	TO116	Hex Inv;tpd 24ns;Fan Out 10.
30#	MIC6405J	6		MON	2.0%	.80*	0.0	5.0	60mt	-40	85	G04387e	TO116	Hex Inv;tpd 24ns;Fan Out 10.
31♦#	MIC7404J	6		MON	2.0%	.80*	0.0	5.0	60mt	0	75	K06162	TO116	Hex Inv;tpd 9.0ns;Fan Out 10.
32♦#	MIC7404N	6		MON	2.0%	.80*	0.0	5.0	60mt	0	75	K06162	M126x	Hex Inv;tpd 9.0ns;Fan Out 10.
33♦#	MIC7405AJ	6		MON	2.0%	.80*	0.0	5.0	60mt	0	75	K06162	TO116	Hex Inv;tpd 24ns;Fan Out 10.
34♦#	MIC7405AN	6		MON	2.0%	.80*	0.0	5.0	60mt	0	75	K06162	M126x	Hex Inv;tpd 24ns;Fan Out 10.
35♦#	MIC7405J	6		MON	2.0%	.80*	0.0	5.0	60mt	0	75	K06162	TO116	Hex Inv;tpd 24ns;Fan Out 10.
36♦#	MIC7405N	6		MON	2.0%	.80*	0.0	5.0	60mt	0	75	K06162	M126x	Hex Inv;tpD 24ns;Fan Out 10.
37♦#	MIC54135J	6		MON	2.0%	.80*	0.0	5.0	70mt	-55	125	K06142	TO116	NAND;tpd 22ns;F.O.20 max;tr10ns;tf 4.0ns.
38♦#	MIC54137J	6		MON	2.0%	.80*	0.0	5.0	105mt	-55	125	K06142a	TO116	Hex Inv;tpd 22ns;F.O.20 max;tr10ns;tf4.0ns
39♦#	MIC74135J	6		MON	2.0%	.80*	0.0	5.0	70mt	0	75	K06142	TO116	NAND;tpd 22ns;F.O.20 max;tr10ns;tf 4.0ns.
40♦#	MIC74135N	6		MON	2.0%	.80*	0.0	5.0	70mt	-55	125	K06142	M126x	NAND;tpd 22ns;F.O.20 max;tr10ns;tf 4.0ns.
41♦#	MIC74137J	6		MON	2.0%	.80*	0.0	5.0	105mt	0	75	K06142a	TO116	Hex Inv;tpd22ns;F.O.20 max;tr10ns;tf4.0ns.
42♦#	MIC74137N	6		MON	2.0%	.80*	0.0	5.0	105mt	-55	125	K06142a	M126x	NAND;tpd 22ns;F.O.20 max;tr10ns;tf 4.0ns.
43	N8T96B	6		MON	2.0%§	.80*	0.0	5.0	445mΔ	0	75	K06159	M317	TRI-STATE Hex;tpd 24ns max.
44	N8T96F	6		MON	2.0%§	.80*	0.0	5.0	445mΔ	0	75	K06159	M200v	TRI-STATE Hex;tpd 24ns max.
45	N8T98B	6		MON	2.0%§	.80*	0.0	5.0	445mΔ	0	75	K06160	M317	TRI-STATE Hex Buffer;tpd 24ns max.
46	N8T98F	6		MON	2.0%§	.80*	0.0	5.0	445mΔ	0	75	K06160	M200v	TRI-STATE Hex;tpd 24ns max.
47	N74H04A	6		MON	2.0%	.80*	0.0	5.0	290mt	0	70	K06112	M318	Hex;tpd 13ns max.
48	N74H04F	6		MON	2.0%	.80*	0.0	5.0	290mt	0	70	K06112	M200x	Hex;tpd 13ns max.
49	N74H05A	6		MON	2.0%	.80*	0.0	5.0	290mt	0	70	K06107a	M318	Hex w/Open Collector;tpd 18ns max.
50	N74H05F	6		MON	2.0%	.80*	0.0	5.0	290mt	0	70	K06107a	M200x	Hex w/Open Collector;tpd 18ns max.
51	N74LS04A	6		MON	2.0%	.80*	0.0	5.0	2.0mΔ	0	70	K06112	M318	Hex Inverter:Low Power Schottky.
52	N74LS04F	6		MON	2.0%	.80*	0.0	5.0	2.0mΔ	0	70	K06112	M235a	Hex Inverter:Low Power Schottky.
53	N74LS05A	6		MON	2.0%	.80*	0.0	5.0	2.0mΔ	0	70	K06112	M318	Hex Inverter:Low Power Schottky.
54	N74LS05F	6		MON	2.0%	.80*	0.0	5.0	2.0mΔ	0	70	K06112	M235a	Hex Inverter:Low Power Schottky.
55▼	N74S04A	6		MON	2.0%	.80*	0.0	5.0	270mt	0	70	K06109b	M318	Hex Inverter;tpd 5.0ns max;FO 20 max.
56▼	N74S04F	6		MON	2.0%	.80*	0.0	5.0	270mt	0	70	K06109b	M257f	Hex Inverter;tpd 5.0ns max;FO 20 max.
57▼	N74S04W	6		MON	2.0%	.80*	0.0	5.0	270mt	0	70	K06109b	FP39e	Hex Inverter;tpd 5.0ns max;FO 20 max.
58▼	N74S05A	6		MON	2.0%	.80*	0.0	5.0	270mt	0	70	K06125	M318	Hex Inverter;tpd 7.0ns max;FO 20 max.
59▼	N74S05F	6		MON	2.0%	.80*	0.0	5.0	270mt	0	70	K06125	M257f	Hex Inverter;tpd 7.0ns max;FO 20 max.
60▼	N74S05W	6		MON	2.0%	.80*	0.0	5.0	270mt	0	70	K06125	FP39e	Hex Inverter;tpd 7.0ns max;FO 20 max.
61♦	N7404A	6		MON	2.0%	.80*	0.0	5.0	165m§	0	70	K06107f	M318	Hex Inverter;tpd 22ns max;FO 10 max.
62▼	N7404F	6		MON	2.0%	.80*	0.0	5.0	165m§	0	70	K06107f	M257f	Hex Inverter;tpd 22ns max;FO 10 max.
63♦	N7405A	6		MON	2.0%	.80*	0.0	5.0	165m§	0	70	K06107a	M318	Hex Inverter;tpd 55ns max;FO 10 max.
64▼	N7405F	6		MON	2.0%	.80*	0.0	5.0	165m§	0	70	K06107a	M257f	Hex Inverter;tpd 55ns max;FO 10 max.
65♦	N7406A	6		MON	2.0%	.80*	0.0	5.0	210m§	0	70	K06115	M318	Hex Inv Buffer/Driver;tpd 23ns max.
66▼	N7406F	6		MON	2.0%	.80*	0.0	5.0	210m§	0	70	K06115	M257f	Hex Inv Buffer/Driver;tpd 23ns max.
67♦	N7407A	6		MON	2.0%	.80*	0.0	5.0	205m§	0	70	K06115a	M318	Hex Buffer/Driver;tpd 30ns max.
68▼	N7407F	6		MON	2.0%	.80*	0.0	5.0	205m§	0	70	K06115a	M257f	Hex Buffer/Driver;tpd 30ns max.
69♦	N7416A	6		MON	2.0%	.80*	0.0	5.0	210m§	0	70	K06115	M318	Hex Inv Buffer/Driver;tpd 23ns max.
70▼	N7416F	6		MON	2.0%	.80*	0.0	5.0	210m§	0	70	K06115	M257f	Hex Inv Buffer/Driver;tpd 23ns max.
71♦	N7417A	6		MON	2.0%	.80*	0.0	5.0	205m§	0	70	K06115a	M318	Hex Buffer/Driver;tpd 30ns max.
72▼	N7417F	6		MON	2.0%	.80*	0.0	5.0	205m§	0	70	K06115a	M257f	Hex Buffer/Driver;tpd 30ns max.
73	NC7404N	6		MON	2.0%	.80*	0.0	5.0		0	70	K06107a	M126	Hex Inverter; Tpd 22ns max.
74	NC7405N	6		MON	2.0%	.80*	0.0	5.0	10mΔ	0	70	K06107a	M126	Hex Inverter.
75	RSN54H04H	6		MON	2.0%	.80*	0.0	5.0	48m%	-55	125	K06149	FP69b	Hex;tpd 12ns max.
76	RSN5404H	6		MON	2.0%	.80*	0.0	5.0	28m%	-55	125	K06149	FP69b	Hex;tpd 18ns max.
77	S54H04A	6		MON	2.0%	.80*	0.0	5.0	290mt	-55	125	K06112	M318	Hex;tpd 13ns max.
78	S54H04F	6		MON	2.0%	.80*	0.0	5.0	290mt	-55	125	K06112	M200x	Hex;tpd 13ns max.
79	S54H04W	6		MON	2.0%	.80*	0.0	5.0	290mt	-55	125	K06112	FP39e	Hex;tpd 13ns max.
80	S54H05A	6		MON	2.0%	.80*	0.0	5.0	290mt	-55	125	K06107a	M318	Hex w/Open Collector;tpd 18ns max.
81	S54H05F	6		MON	2.0%	.80*	0.0	5.0	290mt	-55	125	K06107a	M200x	Hex w/Open Collector;tpd 18ns max.
82	S54H05W	6		MON	2.0%	.80*	0.0	5.0	290mt	-55	125	K06107	FP39e	Hex w/Open Collector;tpd 18ns max.
83▼	S54S04A	6		MON	2.0%	.80*	0.0	5.0	270mt	-55	125	K06109b	M318	Hex Inverter;tpd 5.0ns max;FO 20 max.
84▼	S54S04F	6		MON	2.0%	.80*	0.0	5.0	270mt	-55	125	K06109b	M257f	Hex Inverter;tpd 5.0ns max;FO 20 max.
85▼	S54S04W	6		MON	2.0%	.80*	0.0	5.0	270mt	-55	125	K06109b	FP39e	Hex Inverter;tpd 5.0ns max;FO 20 max.
86▼	S54S05A	6		MON	2.0%	.80*	0.0	5.0	270mt	-55	125	K06125	M318	Hex Inverter;tpd 7.0ns max;FO 20 max.
87▼	S54S05F	6		MON	2.0%	.80*	0.0	5.0	270mt	-55	125	K06125	M257f	Hex Inverter;tpd 7.0ns max;FO 20 max.
88▼	S54S05W	6		MON	2.0%	.80*	0.0	5.0	270mt	-55	125	K06125	FP39e	Hex Inverter;tpd 7.0ns max;FO 20 max.
89♦	S5404A	6		MON	2.0%	.80*	0.0	5.0	165m§	-55	125	K06107f	M318	Hex Inverter;tpd 22ns max;FO 10 max.
90▼	S5404F	6		MON	2.0%	.80*	0.0	5.0	165m§	-55	125	K06107f	M257f	Hex Inverter;tpd 22ns max;FO 10 max.
91▼	S5404W	6		MON	2.0%	.80*	0.0	5.0	165m§	-55	125	K06107	FP39e	Hex Inverter;tpd 22ns max;FO 10 max.
92♦	S5405A	6		MON	2.0%	.80*	0.0	5.0	165m§	-55	125	K06107a	M318	Hex Inverter;tpd 55ns max;FO 10 max.
93▼	S5405F	6		MON	2.0%	.80*	0.0	5.0	165m§	-55	125	K06107a	M257f	Hex Inverter;tpd 55ns max;FO 10 max.
94▼	S5405W	6		MON	2.0%	.80*	0.0	5.0	165m§	-55	125	K06107d	FP39e	Hex Inverter;tpd 55ns max;FO 10 max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	S5406A	6		MON	2.0%	.80*	0.0	5.0	210m§	-55	125	K06115	M318	Hex Inv Buffer/Driver;tpd 23ns max.
2♦	S5406F	6		MON	2.0%	.80*	0.0	5.0	210m§	-55	125	K06115	M257f	Hex Inv Buffer/Driver;tpd 23ns max.
3▼	S5406W	6		MON	2.0%	.80*	0.0	5.0	210m§	-55	125	K06115	FP39e	Hex Inv Buffer/Driver;tpd 23ns max.
4♦	S5407A	6		MON	2.0%	.80*	0.0	5.0	205m§	-55	125	K06115a	M318	Hex Buffer/Driver;tpd 30ns max.
5♦	S5407F	6		MON	2.0%	.80*	0.0	5.0	205m§	-55	125	K06115a	M257f	Hex Buffer/Driver;tpd 30ns max.
6▼	S5407W	6		MON	2.0%	.80*	0.0	5.0	205m§	-55	125	K06115a	FP39e	Hex Buffer/Driver;tpd 30ns max.
7♦	S5416A	6		MON	2.0%	.80*	0.0	5.0	210m§	-55	125	K06115	M318	Hex Inv Buffer/Driver;tpd 23ns max.
8♦	S5416F	6		MON	2.0%	.80*	0.0	5.0	210m§	-55	125	K06115	M257f	Hex Inv Buffer/Driver;tpd 23ns max.
9▼	S5416W	6		MON	2.0%	.80*	0.0	5.0	210m§	-55	125	K06115	FP39e	Hex Inv Buffer/Driver;tpd 23ns max.
10♦	S5417A	6		MON	2.0%	.80*	0.0	5.0	205m§	-55	125	K06115a	M318	Hex Buffer/Driver;tpd 30ns max.
11♦	S5417F	6		MON	2.0%	.80*	0.0	5.0	205m§	-55	125	K06115a	M257f	Hex Buffer/Driver;tpd 30ns max.
12▼	S5417W	6		MON	2.0%	.80*	0.0	5.0	205m§	-55	125	K06115a	FP39e	Hex Buffer/Driver;tpd 30ns max.
13#	SFC404E	6		MON	2.0%	.80*	0.0	5.0	60m	0	70	K06107e	TO116	Hex inverter;Tpd 22ns max;FO10.
14#	SFC404EM	6		MON	2.0%	.80*	0.0	5.0	60m	-55	125	K06107e	TO116	Hex inverter;Tpd 22ns max;FO10.
15#	SFC404ET	6		MON	2.0%	.80*	0.0	5.0	60m	-25	85	K06107e	TO116	Hex inverter;Tpd 22ns max;FO10.
16#	SFC404EV	6		MON	2.0%	.80*	0.0	5.0	60m	-40	85	K06107e	TO116	Hex inverter;Tpd 22ns max;FO10.
17#	SFC404HE	6		MON	2.0%	.80*	0.0	5.0		0	70	K06112	TO116	Hex Inverter;tpd 22ns max.
18#	SFC404HEM	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06112	TO116	Hex Inverter;tpd 22ns max.
19#	SFC404HPM	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06112	TO85	Hex Inverter;tpd 22ns max.
20#	SFC404P	6		MON	2.0%	.80*	0.0	5.0	60m	0	70	K06107	TO85	Hex inverter;Tpd 22ns max;FO10.
21#	SFC404PM	6		MON	2.0%	.80*	0.0	5.0	60m	-55	125	K06107	TO85	Hex inverter;Tpd 22ns max;FO10.
22#	SFC405E	6		MON	2.0%	.80*	0.0	5.0	10mΔ	0	70	K06107a	TO116	Hex inverter; tpd 23ns max.
23#	SFC405EM	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-55	125	K06107a	TO116	Hex inverter; tpd 23ns max.
24#	SFC405ET	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-25	85	K06107a	TO116	Hex inverter; tpd 23ns max.
25#	SFC405EV	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-40	85	K06107a	TO116	Hex inverter; tpd 23ns max.
26#	SFC405P	6		MON	2.0%	.80*	0.0	5.0	10mΔ	0	70	K06107d	TO85	Hex inverter; tpd 23ns max.
27#	SFC405PM	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-55	125	K06107d	TO85	Hex inverter; tpd 23ns max.
28#	SFC406E	6		MON	2.0%	.80*	0.0	5.0	150m†	0	70	K06115	TO116	TTL Hex inverter;buffers/drivers; tpd 15ns
29#	SFC406EM	6		MON	2.0%	.80*	0.0	5.0	150m†	-55	125	K06115	TO116	TTL Hex inverter;buffers/drivers; tpd 15ns
30#	SFC406ET	6		MON	2.0%	.80*	0.0	5.0	150m†	-25	85	K06115	TO116	TTL Hex inverter;buffers/drivers; tpd 15ns
31#	SFC406EV	6		MON	2.0%	.80*	0.0	5.0	150m†	-40	85	K06115	TO116	TTL Hex inverters;buffers/drivers;tpd 15ns
32#	SFC406P	6		MON	2.0%	.80*	0.0	5.0	150m†	0	70	K06115	TO85	TTL Hex inverters;buffers/drivers;tpd 15ns
33#	SFC406PM	6		MON	2.0%	.80*	0.0	5.0	150m†	-55	125	K06115	TO85	TTL Hex inverter;buffers/drivers; tpd 15ns
34#	SFC407E	6		MON	2.0%	.80*	0.0	5.0	145m†	0	70	K06115a	TO116	TTL Hex buffers/drivers; tpd 14ns
35#	SFC407EM	6		MON	2.0%	.80*	0.0	5.0	145m†	-55	125	K06115a	TO116	TTL Hex buffers/drivers; tpd 14ns
36#	SFC407ET	6		MON	2.0%	.80*	0.0	5.0	145m†	-25	85	K06115a	TO116	TTL Hex buffers/drivers; tpd 14ns
37#	SFC407EV	6		MON	2.0%	.80*	0.0	5.0	145m†	-40	85	K06115a	TO116	TTL Hex buffers/drivers; tpd 14ns
38#	SFC407P	6		MON	2.0%	.80*	0.0	5.0	145m†	0	70	K06115a	TO85	TTL Hex Buffers/Drivers;Tpd 14ns.
39#	SFC407PM	6		MON	2.0%	.80*	0.0	5.0	145m†	-55	125	K06115a	TO85	TTL Hex buffers/drivers; tpd 14ns
40#	SFC416E	6		MON	2.0%	.80*	0.0	5.0		0	70	K06115	TO116	TTL Hex Inverter Buffers/drivers;tpd 45ns.
41#	SFC416EM	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06115	TO116	TTL Hex Inverter Buffers/drivers;tpd 45ns.
42#	SFC416ET	6		MON	2.0%	.80*	0.0	5.0		-25	85	K06115	TO116	TTL Hex Inverter Buffers/drivers;tpd 15ns.
43#	SFC416PM	6		MON	2.0%	.80*	0.0	5.0		-55	85	K06115	TO85	TTL Hex Inverter Buffers/drivers;tpd 15ns.
44#	SFC417E	6		MON	2.0%	.80*	0.0	5.0		0	70	K06115a	TO116	TTL Hex Buffers/drivers;tpd 14ns.
45#	SFC417EM	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06115a	TO116	TTL Hex Buffers/drivers;tpd 14ns.
46#	SFC417ET	6		MON	2.0%	.80*	0.0	5.0		-25	85	K06115a	TO116	TTL Hex Buffers/drivers;tpd 14ns.
47#	SFC417PM	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06115a	TO85	TTL Hex Buffers/drivers;tpd 14ns.
48	SN54H04J	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06112	M157b	Hex inverter; tpd 22ns max.
49	SN54H04N	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06112	M126	Hex inverter; tpd 22ns max.
50	SN54S04J	6		MON	2.0%	.80*	0.0	5.0	114m†	-55	125	K06109b	M157b	Hex;FO 20;tpd 3.0ns typ.
51	SN54S04N	6		MON	2.0%	.80*	0.0	5.0	114m†	-55	125	K06109b	M126e	Hex;FO 20;tpd 3.0ns typ.
52	SN54S04W	6		MON	2.0%	.80*	0.0	5.0	114m†	-55	125	K06109b	Δ004AA	Hex;FO 20;tpd 3.0ns typ.
53	SN54S05J	6		MON	2.0%	.80*	0.0	5.0	102m†	-55	125	K06125	M157b	Hex;FO 10;tpd 5.0ns typ.
54	SN54S05N	6		MON	2.0%	.80*	0.0	5.0	102m†	-55	125	K06125	M126e	Hex;FO 10;tpd 5.0ns typ.
55	SN54S05W	6		MON	2.0%	.80*	0.0	5.0	102m†	-55	125	K06125	Δ004AA	Hex;FO 10;tpd 5.0ns typ.
56	SN74H04J	6		MON	2.0%	.80*	0.0	5.0		0	70	K06107a	M157b	Hex inverter; tpd 22ns max.
57	SN74H04N	6		MON	2.0%	.80*	0.0	5.0		0	70	K06107a	M126e	Hex inverter; tpd 22ns max.
58	SN74H04W	6		MON	2.0%	.80*	0.0	5.0		0	70	K06107	TO84	Hex Inverter;tpd 22ns max.
59	SN74H05J	6		MON	2.0%	.80*	0.0	5.0		0	70	G04387e	M157b	Hex inverter; tpd 55ns max.
60	SN74H05N	6		MON	2.0%	.80*	0.0	5.0		0	70	G04387e	M126e	Hex inverter; tpd 55ns max.
61	SN74H05W	6		MON	2.0%	.80*	0.0	5.0		0	70	G04387e	TO84	Hex Inverter;tpd 55ns max.
62▼	SN74LS04J	6		MON	2.0%	.80*	0.0	5.0	33m	0	70	K02162	M157b	Hex Inverter;tpd 20ns max;FO 22.
63▼	SN74LS04N	6		MON	2.0%	.80*	0.0	5.0	33m	0	70	K02162	M126e	Hex Inverter;tpd 20ns max;FO22.
64▼	SN74LS05J	6		MON	2.0%Ø	.80*	0.0	5.0	33m	0	70	K02162	M157b	Hex Inverter;tpd 32ns max;FO22.
65▼	SN74LS05N	6		MON	2.0%Ø	.80*	0.0	5.0	33m	0	70	K02162	M126e	Hex Inverter;tpd 32ns max;FO22.
66	SN74S04J	6		MON	2.0%	.80*	0.0	5.0	114m†	0	70	K06109b	M157b	Hex;FO 20;tpd 3.0ns typ.
67	SN74S04N	6		MON	2.0%	.80*	0.0	5.0	114m†	0	70	K06109b	M126e	Hex;FO 20;tpd 3.0ns typ.
68	SN74S04W	6		MON	2.0%	.80*	0.0	5.0	114m†	0	70	K06109b	Δ004AA	Hex;FO 20;tpd 3.0ns typ.
69	SN74S05J	6		MON	2.0%	.80*	0.0	5.0	102m†	0	70	K06125	M157b	Hex;FO 10;tpd 5.0ns typ.
70	SN74S05N	6		MON	2.0%	.80*	0.0	5.0	102m†	0	70	K06125	M126e	Hex;FO 10;tpd 5.0ns typ.
71	SN74S05W	6		MON	2.0%	.80*	0.0	5.0	102m†	0	70	K06125	Δ004AA	Hex;FO 10;tpd 5.0ns typ.
72	SN5404J	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06107a	M157b	Hex Inverter;Tpd 22ns max.
73	SN5404N	6		MON	2.0%	.80*	0.0	5.0	60m	-55	125	K06107a	M126d	Hex inverter; Tpd 22ns max; Fo 10.
74	SN5404W	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06107	Δ004AA	Hex Inverter;tpd 22ns max.
75	SN5405J	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-55	125	K06107a	M157b	Hex;tpd 55ns max.
76#	SN5405N	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-55	125	K06107a	M75a	Hex inverter.
77	SN5405W	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-55	125	K06107a	Δ004AA	Hex;tpd 55ns max.
78	SN5406J	6		MON	2.0%	.80*	0.0	5.0	150m†	-55	125	K06115	M157b	TTL Hexinverter buffers/drivers;tpD15ns.
79	SN5406N	6		MON	2.0%	.80*	0.0	5.0	150m†	-55	125	K06115	M126a	TTL Hex Inverter buffers/drivers;tpD 15ns.
80	SN5406W	6		MON	2.0%	.80*	0.0	5.0	150m†	-55	125	K06115	Δ004AA	TTL Hex Inverter buffer/driver;tpd 15ns.
81	SN5407J	6		MON	2.0%	.80*	0.0	5.0	145m†	-55	125	K06115a	M157b	TTL hex buffers/drivers;tpD 14ns.
82	SN5407N	6		MON	2.0%	.80*	0.0	5.0	145m†	-55	125	K06115a	M126a	TTL Hex buffers/drivers;tpD 14ns.
83	SN5407W	6		MON	2.0%	.80*	0.0	5.0	145m†	-55	125	K06115a	Δ004AA	TTL Hex buffer/driver;tpd 15ns.
84	SN5416J	6		MON	2.0%	.80*	0.0	5.0	150m†	-55	125	K06115	M157b	TTL Hex Inverter buffers/drivers;tpD 15ns.
85	SN5416N	6		MON	2.0%	.80*	0.0	5.0	150m†	-55	125	K06115	M126a	TTL Hex Inverter buffers/drivers;tpD 15ns.
86	SN5416W	6		MON	2.0%	.80*	0.0	5.0	150m†	-55	125	K06115	Δ004AA	TTL Hex Inverter buffer/driver;tpd 15ns.
87	SN5417J	6		MON	2.0%	.80*	0.0	5.0	145m†	-55	125	K06115a	M157b	TTL Hex buffers/drivers;tpD 14ns.
88	SN5417N	6		MON	2.0%	.80*	0.0	5.0	145m†	-55	125	K06115a	M126a	TTL Hex buffers/drivers;tpD 14ns.
89	SN5417W	6		MON	2.0%	.80*	0.0	5.0	145m†	-55	125	K06115a	Δ004AA	TTL Hex buffer/driver;tpd 14ns.
90#	SN6404N	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-40	85	K06107b	M75a	Hex inverter.
91#	SN6405AN	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-40	85	K06107a	M75a	Hex inverter.
92#	SN6405N	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-40	85	K06107a	M75a	Hex inverter.
93	SN7404J	6		MON	2.0%	.80*	0.0	5.0		0	70	K06107a	M157b	Hex Inverter;Tpd 22ns max.
94	SN7404N	6		MON	2.0%	.80*	0.0	5.0	60m	0	70	K06107a	M126e	Hex inverter; Tpd 22ns max; Fo 10.
95	SN7404W	6		MON	2.0%	.80*	0.0	5.0		0	70	K06107	TO84	Hex Inverter;tpd 22ns max.
96	SN7405J	6		MON	2.0%	.80*	0.0	5.0	10mΔ	0	70	K06107a	M157b	Hex;tpd 55ns max.
97	SN7405N	6		MON	2.0%	.80*	0.0	5.0	10mΔ	0	70	K06107a	M126e	Hex;tpd 55ns max.
98	SN7406J	6		MON	2.0%	.80*	0.0	5.0	150m†	0	70	K06115	M157b	TTL Hex Inverter buffers/drivers;tpD 15ns.
99	SN7406N	6		MON	2.0%	.80*	0.0	5.0	150m†	0	70	K06115	M126e	TTL Hex Inverter buffers/drivers;tpD 15ns.
100	SN7406W	6		MON	2.0%	.80*	0.0	5.0	150m†	0	70	K06115	TO84	TTL Hex Inverter buffer/driver;tpd 15ns.
101	SN7407J	6		MON	2.0%	.80*	0.0	5.0	145m†	0	70	K06115a	M157b	TTL Hex buffers/drivers;tpD 14ns.
102	SN7407N	6		MON	2.0%	.80*	0.0	5.0	145m†	0	70	K06115a	M126e	TTL Hex buffers/drivers;tpD 14ns.
103	SN7407W	6		MON	2.0%	.80*	0.0	5.0	145m†	0	70	K06115a	TO84	TTL Hex buffer/driver;tpd 14ns.
104	SN7416J	6		MON	2.0%	.80*	0.0	5.0	150m†	0	70	K06115	M157b	TTL Hex Inverter buffers/drivers;tpD 15ns.
105	SN7416N	6		MON	2.0%	.80*	0.0	5.0	150m†	0	70	K06115	M126e	TTL Hex Inverter buffers/drivers;tpD 15ns.
106	SN7416W	6		MON	2.0%	.80*	0.0	5.0	150m†	0	70	K06115	TO84	TTL Hex Inverter buffer/driver;tpd 15ns.
107	SN7417J	6		MON	2.0%	.80*	0.0	5.0	145m†	0	70	K06115a	M157b	TTL Hex buffers/drivers;tpD 14ns.
108	SN7417N	6		MON	2.0%	.80*	0.0	5.0	145m†	0	70	K06115a	M126e	TTL Hex buffers/drivers;tpD 14ns.
109	SN7417W	6		MON	2.0%	.80*	0.0	5.0	145m†	0	70	K06115a	TO84	TTL Hex buffer/driver;tpd 14ns.
110	SW7404J	6		MON	2.0%	.80*	0.0	5.25	10m	0	70	G0414g	M114	TTL;tpD 30ns; Noise Rej. 1.0Vmax; FO10.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SW7404N	6		MON	2.0%	.80*	0.0	5.25	10mΔ	0	70	G0414g	M105n	TTL;tpD 30ns; Noise Rej 1.0V;FO10.
2	SW7405J	6		MON	2.0%	.80*	0.0	5.25	10mΔ	0	70	G04233e	M114	TTL;tpD 30ns; Noise Rej 1.0V;FO10.
3	SW7405N	6		MON	2.0%	.80*	0.0	5.25	10mΔ	0	70	G04233e	M105n	TTL;tpD 30ns; Noise Rej 1.0V;FO10.
4	SW7406J	6		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K06115	TO116	Hex Inverting Buffer;Free Collectors.
5	SW7406N	6		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K06115	M105n	Hex Inverting Buffer;Free Collectors.
6	SW7407J	6		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K06115a	TO116	Hex Buffer;Free Collectors.
7	SW7407N	6		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K06115a	M105n	Hex Buffer;Free Collectors.
8	SW7416J	6		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K06115	TO116	Hex Inverting Buffer;Free Collectors.
9	SW7416N	6		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K06115	M105n	Hex Inverting Buffer;Free Collectors.
10	SW7417J	6		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K06115a	TO116	Hex Buffer;Free Collectors.
11	SW7417N	6		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K06115a	M105n	Hex Buffer;Free Collectors.
12#	T74H04B1	6		MON	2.0%	.80*	0.0	5.0	140m	0	70			Hex Inverter.
13#	T74H04D1	6		MON	2.0%	.80*	0.0	5.0	140m	0	70			Hex Inverter.
14#	T74H04D2	6		MON	2.0%	.80*	0.0	5.0	140m	-55	125			Hex Inverter.
15#	T74H05B1	6		MON	2.0%	.80*	0.0	5.0	140m	0	70			Hex Inverter with Open Collector.
16#	T74H05D1	6		MON	2.0%	.80*	0.0	5.0	140m	0	70			Hex Inverter with Open Collector.
17#	T74H05D2	6		MON	2.0%	.80*	0.0	5.0	140m	-55	125			Hex Inverter with Open Collector.
18#	T7404B1	6		MON	2.0%	.80*	0.0	5.0	60mt	0	70	K0679a	M126u	Hex Inverter;tpd 22ns max;Fo 10.
19#	T7404D1	6		MON	2.0%	.80*	0.0	5.0	60mt	0	70	K0679a	M294	Hex Inverter;tpd 22ns max.
20#	T7404D2	6		MON	2.0%	.80*	0.0	5.0	60mt	-55	125	K0679a	M294	Hex Inverter;tpd 22ns max.
21#	T7405B1	6		MON	2.0%	.80*	0.0	5.0	60mt	0	70	K0679a	M126u	Hex Inverter;tpd 55ns max.
22#	T7405D1	6		MON	2.0%	.80*	0.0	5.0	60mt	0	70	K0679a	M294	Hex Inverter;tpd 55ns max.
23#	T7405D2	6		MON	2.0%	.80*	0.0	5.0	60mt	-55	125	K0679a	M294	Hex Inverter;tpd 55ns max.
24#	T7406B1	6		MON	2.0%	.80*	0.0	5.0	60mt	0	70	K0679a	M126u	Hex Inverter;tpd 26ns max.
25#	T7406D1	6		MON	2.0%	.80*	0.0	5.0	60mt	0	70	K0679a	M294	Hex Inverter;tpd 26ns max.
26#	T7406D2	6		MON	2.0%	.80*	0.0	5.0	60mt	-55	125	K0679a	M294	Hex Inverter;tpd 26ns max.
27#	T7407B1	6		MON	2.0%	.80	0.0	5.0	145mt	0	70	K0561	M126s	Hex Buffer/Driver;tpd 30ns max.
28#	T7407D1	6		MON	2.0%	.80*	0.0	5.0	145mt	0	70	K0561	M294d	Hex Buffer/Driver;tpd 30ns max.
29#	T7407D2	6		MON	2.0%	.80*	0.0	5.0	145mt	-55	125	K0561	M294d	Hex Buffer/Driver;tpd 30ns max.
30#	T7416B1	6		MON	2.0%	.80*	0.0	5.0	60mt	0	70	K0679a	M126u	Hex Inverter;tpd 26ns max.
31#	T7416D1	6		MON	2.0%	.80*	0.0	5.0	60mt	0	70	K0679a	M294	Hex Inverter;tpd 26ns max.
32#	T7416D2	6		MON	2.0%	.80*	0.0	5.0	60mt	-55	125	K0679a	M294	Hex Inverter;tpd 26ns max.
33#	T7417B1	6		MON	2.0%	.80	0.0	5.0	145mt	0	70	K0561	M126s	Hex Buffer/Driver;tpd 30ns max.
34#	T7417D1	6		MON	2.0%	.80*	0.0	5.0	145mt	0	70	K0561	M294d	Hex Buffer/Driver;tpd 30ns max.
35#	T7417D2	6		MON	2.0%	.80*	0.0	5.0	145mt	-55	125	K0561	M294d	Hex Buffer/Driver;tpd 30ns max.
36	TG54S04F	6		MON	2.0%	.80*	0.0	5.0	270m§	-55	125	K06109b	TO86	Hex Inverter;tpd 5.0ns max;FO 20 max.
37	TG54S04J	6		MON	2.0%	.80*	0.0	5.0	270m§	-55	125	K06109b	M157c	Hex Inverter;tpd 5.0ns max;FO 20 max.
38	TG54S05F	6		MON	2.0%	.80*	0.0	5.0	45m§	-55	125	K06107a	TO86	Hex Inverter;tpd 7.5ns max;FO 20 max.
39	TG54S05J	6		MON	2.0%	.80*	0.0	5.0	45n§	-55	125	K06107a	M157c	Hex Inverter;tpd 7.5ns max;FO 20 max.
40	TG74S04F	6		MON	2.0%	.80*	0.0	5.0	270m§	0	70	K06109b	TO86	Hex Inverter;tpd 5.0ns max;FO 20 max.
41	TG74S04J	6		MON	2.0%	.80*	0.0	5.0	270m§	0	70	K06109b	M157c	Hex Inverter;tpd 5.0ns max;FO 20 max.
42	TG74S05F	6		MON	2.0%	.80*	0.0	5.0	45m§	0	70	K06107a	TO86	Hex Inverter;tpd 7.5ns max;FO 20 max.
43	TG74S05J	6		MON	2.0%	.80*	0.0	5.0	45m§	0	70	K06107a	M157c	Hex Inverter;tpd 7.5ns max;FO 20 max.
44#	TL7404N	6		MOS	2.0%	.80*	0.0	5.0	118mt	0	70	K06107e	M126n	TTL Hex Inverter;tpd 22ns max.
45#	TL7405N	6		MON	2.0%	.80*	0.0	5.0	112mt	0	70	K06107a	M126n	TTL Hex Inverter;tpd 55ns max.
46#	TL7406N	6		MON	2.0%	.80*	0.0	5.0	210mt	0	70	K06115	M126n	TTL Hex Inverter Buffer/Driver Vo 30V
47#	TL7407N	6		MON	2.0%	.80*	0.0	5.0	186mt	0	70	K06115a	M126n	TTL Hex Inverter Buffer/Driver;Vo 30V
48#	TL7416N	6		MON	2.0%	.80*	0.0	5.0	210mt	0	70	K06115	M126n	TTL Hex Inverter Buffer/Driver Vo 15V
49#	TL7417N	6		MON	2.0%	.80*	0.0	5.0	186mt	0	70	K06115a	M126n	TTL Hex Inverter Buffer/Driver;Vo 15V
50	TRW7404#1	6		MON	2.0%	.80	0.0	5.0		0	70	K06107	M126	Hex Inverter Tpd 22ns max.
51	TRW7404#2	6		MON	2.0%	.80	0.0	5.0		0	70	K06107	M157	Hex Inverter Tpd 22ns max.
52	TRW7405#1	6		MON	2.0%	.80	0.0	5.0	10m	0	70	K06107	M126	Hex Inverter.
53	TRW7405#2	6		MON	2.0%	.80	0.0	5.0	10m	0	70	K06107	M157	Hex Inverter.
54	TRW7406#1	6		MON	2.0%	.80	0.0	5.0	150m	0	70	K06115	M126	TTL Hex Inverter buffers/drivers Tpd 15ns.
55	TRW7406#2	6		MON	2.0%	.80	0.0	5.0	150m	0	70	K06115	M157	TTL Hex Inverter buffers/drivers Tpd 15ns.
56	TRW7407#1	6		MON	2.0%	.80	0.0	5.0	145m	0	70	K06115a	M126	TTL Hex Buffers/Drivers;Tpd14ns.
57	TRW7407#2	6		MON	2.0%	.80	0.0	5.0	145m	0	70	K06115a	M157	TTL Hex Buffers/Drivers;Tpd14ns.
58	US54H04A	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06112	M105b	tpD 13ns max;ton 4.0ns; toff 6.0ns.
59	US54H04J	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06112	TO88	tpD 13ns max;ton 4.0ns;toff 6.0ns.
60	US54H05A	6		MON	2.0%	.80*	0.0	5.0		-55	125	G04387e	M105b	tpD 18ns max;ton10ns;toff 6.0ns.
61	US54H05J	6		MON	2.0%	.80*	0.0	5.0		-55	125	G04387e	TO88	tpD 18ns max;ton 10ns;toff 6.0ns.
62	US74H04A	6		MON	2.0%	.80*	0.0	5.0		0	70	K06112	M105b	tpD 13ns max;ton 4.0ns;toff 6.0ns.
63	US74H04J	6		MON	2.0%	.80*	0.0	5.0		0	70	K06112	TO88	tpD 13ns max;ton 4.0ns;toff 6.0ns.
64	US74H05A	6		MON	2.0%	.80*	0.0	5.0		0	70	G04387e	M105b	tpD 18ns max;ton 10ns;toff 6.0ns.
65	US74H05J	6		MON	2.0%	.80*	0.0	5.0		0	70	G04387e	TO88	tpD 18ns max;ton 10ns;toff 6.0ns.
66	US5404A	6		MON	2.0%	.80*	0.0	5.0		-55	125	G04387f	M105b	6 Ckts;Hex Inverters;F.O. 10;tpd 10ns.
67	US5404J	6		MON	2.0%	.80*	0.0	5.0		-55	125	G04387f	TO88	6 Ckts;Hex Inverters;F.O. 10;tpd 10ns.
68	US5405A	6		MON	2.0%	.80*	0.0	5.0		-55	125	G04387e	M105b	6 ckts; hex inverters; F.O. 10; tpd 11ns
69	US5405J	6		MON	2.0%	.80*	0.0	5.0		-55	125	G04387e	TO88	6 Ckts;Hex Inverters;F.O. 10;tpd 11ns.
70	US7404A	6		MON	2.0%	.80*	0.0	5.0		0	70	G04387f	M105b	6 Ckts;Hex Inverters;F.O. 10;tpd 10ns.
71	US7404J	6		MON	2.0%	.80*	0.0	5.0		0	70	G04387f	TO88	6 Ckts;Hex Inverters;F.O. 10;tpd 10ns.
72	US7405A	6		MON	2.0%	.80*	0.0	5.0		0	70	G04387e	M105b	6 Ckts;Hex Inverters;F.O. 10;tpd 11ns.
73	US7405J	6		MON	2.0%	.80*	0.0	5.0		0	70	G04387e	TO88	6 Ckts;Hex Inverters;F.O. 10;tpd 11ns.
74	MC691L,P#1%	6		MON	2.0	1.0	0.0	20	500mt	-30	75	K06156	TO116	Hex/Translator.
75	MC691L,P#2%	6		MON	2.0	1.0	0.0	16	500mt	-30	75	K06156	TO116	Hex/Translator.
76	RM934J	6		MON	2.0%	1.0*	0	5.0		-55	125			Hex Inverter;Fanout 8;Pd-16mW;Nm-.50V.
77	RM935J	6		MON	2.0%	1.0*	0	5.0		-55	125			Hex Inverter;Fanout 8;Pd-7mW;Nm-.50V.
78	RM936J	6		MON	2.0%	1.0*	0	5.0		-55	125			Hex Inverter;Fanout 8;Pd-8.5mW;Nm-.50V.
79	RM937J	6		MON	2.0%	1.0*	0	5.0		-55	125			Hex Inverter;Fanout 7;Pd-12.5mW;Nm-.50V.
80	RM940J	6		MON	2.0%	1.0*	0	5.0	8.5m	-55	125			Hex Inverter;Fanout 8;Noise Margin-.50V.
81	RM941D	6		MON	2.0%	1.0*	0	5.0	6.0m	-55	125			Hex Inverter;Fanout 8;Noise Margin-.50V.
82	RM941J	6		MON	2.0%	1.0*	0	5.0	6.0m	-55	125			Hex Inverter;Fanout 8;Noise Margin-.50V.
83	SFC935E	6		MON	2.0%	1.1*	0.0	8.0		0	75	K0677c	M126	6 Ckts.; Fan Out of 10.
84#	FCH201	6		MON	2.3%	.80*	0	6	42m	0	75	K0682	TO116	NAND/NOR Sextuple inverter gate.
85#	FCH211	6		MON	2.3%	.80*	0	6	66m	0	75	K0682a	TO116	NAND/NOR Sextuple inverter gate.
86	HEPC3004P-RT	6		MON	2.4%	.40*†	0.0	5.0	60mt			K06107a	TO116	Hex;TTL;4 ckts;tpd 13ns typ.
87	MC3108F	6		MON	2.4%	.40*†	0.0	5.0	140mt	-55	125	K06109	TO86	Hex Inverter.
88	MC5404F	6		MON	2.4%	.40*†	0.0	5.0	60mt	0	70	G04387f	TO86	6 Ckts;tpd 13ns;FO10.
89	MC5404L	6		MON	2.4%	.40*†	0.0	5.0	60mt	-55	125	G04387d	TO116	6 Ckts;tpd 13ns;FO10.
90	MC5405L	6		MON	2.4%	.40*†	0.0	5.0	60mt	-55	125	G04387d	TO116	6 Ckts;tpd 35ns;FO10.
91	MC5406L	6		MON	2.4	.40	0.0	5.0	105mt	-55	125	K06115	TO116	6 Ckts;TTL;Hex Buffers/Drivers.
92	MC5407L	6		MON	2.4	.40	0.0	5.0	145mt	-55	125	K06115a	TO116	6 Ckts;TTL;Hex Buffers/Drivers.
93	MC5416L	6		MON	2.4	.40	0.0	5.0	105mt	-55	125	K06115	TO116	6 Ckts;TTL;Hex Buffers/Drivers.
94	MC5417L	6		MON	2.4	.40	0.0	5.0	145mt	-55	125	K06115a	TO116	6 Ckts;TTL;Hex Buffers/Drivers.
95	MC7404F	6		MON	2.4%	.40*†	0.0	5.0	60mt	0	70	G04387f	TO86	6 Ckts;tpd 13ns;FO10.
96	MC7404L,P%	6		MON	2.4%	.40*†	0.0	5.0	60mt	0	70	G04387d	TO116	6 Ckts;tpd 13ns;FO10.
97	MC7405L,P%	6		MON	2.4%	.40*†	0.0	5.0	60mt	0	70	G04387d	TO116	6 Ckts;tpd 35ns;FO10.
98	MC7406L,P%	6		MON	2.4	.40	0.0	5.0	105mt	0	70	K06115	TO116	6 Ckts;TTL;Hex Buffers/Drivers.
99	MC7407L,P%	6		MON	2.4	.40	0.0	5.0	145mt	0	70	K06115a	TO116	6 Ckts;TTL;Hex Buffers/Drivers.
100	MC7416L,P%	6		MON	2.4	.40	0.0	5.0	105mt	0	70	K06115	TO116	6 Ckts;TTL;Hex Buffers/Drivers.
101	MC7417L,P%	6		MON	2.4	.40	0.0	5.0	145mt	0	70	K06115a	TO116	6 Ckts;TTL;Hex Buffers/Drivers.
102	MCB5404F	6		MON	2.4	.40	0.0	5.0	60mt	-55	125	K06107	FP77	Hex;6 ckts;tpd 13ns typ;FO 10.
103	MCB5405F	6		MON	2.4	.40	0.0	5.0	60mt	-55	125	K06107d	FP77	Hex;tpd 35ns typ;6 Ckts;FO 10.
104	MCBC5404	6		MON	2.4	.40	0.0	5.0	60mt	-55	125	K06107	FC2	Hex;6 Ckts;tpd 13ns typ;FO 10.
105	MCBC5405	6		MON	2.4	.40	0.0	5.0	60mt	-55	125	K06107d	FC2	Hex;tpd 35ns typ;6 Ckts;FO 10.
106	MC3008F	6		MON	2.5%	.40*†	0.0	5.0	140mt	0	75	K06109	TO86	Hex Inverter.
107	MC3008L,P%	6		MON	2.5%	.40*†	0.0	5.0	140mt	0	75	K06109	TO116	Hex Inverter.
108	MC3009L,P%	6		MON	2.5%	.40*†	0.0	5.0	90mt	0	75	G04387e	TO116	Hex Inverter.
109	MC3108L	6		MON	2.5%	.40*†	0.0	5.0	140mt	-55	125	K06109	TO116	Hex Inverter.
110	MC3109L	6		MON	2.5%	.40*†	0.0	5.0	90mt	-55	125	G04387e	TO116	6 ckts;tpd 8.0ns typ;FO 10.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	9937DC	6		MON	2.6%	.40†*	0.0	8.0	51m	0	75	K0677c	TO116	6 Ckts;Fan Out 7.
2	9937FC	6		MON	2.6%	.40†	0.0	8.0	51m	0	75	K0677c	FP28	6 Ckts;Fan Out 7.
3#	DN1935	6		MON	2.6%	.40*	0.0	5.0	8.5m†	0	75	K0681a	TO116	Hex;DTL;tpd 25ns;FO8
4#	DN1936	6		MON	2.6%	.40*	0.0	5.0	8.5m†	0	75	K0677c	TO116	Hex;DTL;tpD 25ns;FO 8
5#	DN1937	6		MON	2.6%	.40*	0.0	5.0	12m†	0	75	K0677c	TO116	Fast Hex;DTL;tpd 20ns;FO7
6	MC934F	6		MON	2.6%	.40*	0.0	5.0	66m†	-55	125	K0681	TO86	DTL;Fan Out 8;tpd 30ns;6 ckt.
7	MC934L	6		MON	2.6%	.40*	0.0	5.0	66m†	-55	125	K0681	TO116	DTL;Fan Out 8;tpd 30ns; 6 ckt.
8	MC936F	6		MON	2.6%	.40*	0.0	5.0	66m†	-55	125	K0682a	TO86	DTL;Fan Out 8;tpd 30ns; 6 Ckt.
9	MC936L	6		MON	2.6%	.40*	0.0	5.0	66m†	-55	125	K0682a	TO116	DTL;Fan Out 8;tpd 30ns; 6 Ckt.
10	MC937F	6		MON	2.6%	.40*	0.0	5.0	90m†	-55	125	K0682a	TO86	DTL;Fan Out 7;tpd 25ns; 6 Ckt.
11	MC937L	6		MON	2.6%	.40*	0.0	5.0	90m†	-55	125	K0682a	TO116	DTL;Fan Out 7;tpd 25ns; 6 Ckt.
12	MC946G	6		MON	2.6%	.40*	0	8	44m†	-55	125	K0677b	TO100	DTL; tpd-30ns.
13	MC949G	6		MON	2.6%	.40*	0	8	60m†	-55	125	K0677b	TO100	DTL; tpd-25ns.
14	MCE936F	6		MON	2.6%	.40*†	0.0	5.0	66m	-55	125	K0677a	TO85	Hex Inverter;Fanout 8.
15	DM935N	6		MON	2.6%	.45†*	0.0	5.0	24m%	0	75	K0677c	M344	Hex Inverter;tpd 80ns max.
16	DM936N	6		MON	2.6%	.45†*	0.0	5.0	24m%	0	75	K0677a	M344	Hex Inverter;tpd 80ns max.
17	DM937N	6		MON	2.6%	.45†*	0.0	5.0	24m%	0	75	K0677a	M344	Hex Inverter;tpd 80ns max.
18#	FQH141-836	6		MON	2.6%	.45†*	0.0	8.0		0	75	K0695	TO116	Hex Inverters;Diode Input.
19	HEPC1032P-RT	6		MON	2.6%	.45*†	0.0	5.0	88m†	0	75	K06122	TO116	Dual 4-Input Buffer;tpd 35ns typ.
20	MC834F	6		MON	2.6%	.45*	0.0	5.0	66m†	0	75	K0681	TO86	6 Hex Inverters;DTL;Fan Out 8;tpd 30ns
21	MC834L,P%	6		MON	2.6%	.45*	0.0	5.0	66m†	0	75	K0681	TO116	6 Hex Inverters;DTL;Fan Out8;tpd 30ns.
22	MC836F	6		MON	2.6%	.45*	0.0	5.0	66m†	0	75	K0681c	TO86	6 ckts;DTL;Fan Out 8;tpd 30ns.
23	MC836L,P%	6		MON	2.6%	.45*	0.0	5.0	66m†	0	75	K0681c	TO116	6 ckts;DTL;Fan Out 8;tpd 30ns.
24	MC837F	6		MON	2.6%	.45*	0.0	5.0	90m†	0	75	K0681a	TO86	6 ckts;DTL;Fan Out 7;tpd 30ns.
25	MC837L,P%	6		MON	2.6%	.45*	0.0	5.0	90m†	0	75	K0681a	TO116	6 ckts;DTL;Fan Out 7;tpd 30ns.
26	MC846G	6		MON	2.6%	.45*	0	8	44m†	0	75	K0677b	TO100	DTL; tpd-30ns.
27	MC849G	6		MON	2.6%	.45*	0	8	60m†	0	75	K0677b	TO100	DTL; tpd-25ns.
28	SFC936E	6		MON	2.6%	.45†*	0.0	5.0	115m	0	75	K0677a	M126	6 Ckts.; Fan Out of 8 each.
29	MC789AP	6		MON	2.6%	.50*†	0.0	3.6	130m	15	55	K0686	TO116	6 ckt;tpd 12ns;F.O. 16.
30	MC789P	6		MON	2.6%	.50*†	0.0	3.6	130m	15	55	K0686	TO116	6 ckt;tpd 12ns;F.O. 16.
31	MC889AP	6		MON	2.6%	.50*†	0.0	3.6	130m	0	75	K0686	TO116	6 ckt;tpd 12ns;F.O. 16.
32	MC889P	6		MON	2.6%	.50*†	0.0	3.6	130m	0	75	K0686	TO116	6 ckt;tpd 12ns;F.O. 16.
33	SN535	6		MON	2.7	.30	0	8	36m	-55	125	K0610	ZB5	4 Ckt; FanOut 10/Inv; Noise Rej. 200mV.
34	N8H90A	6			2.8%	.40†*	0.0	5.0	277m	0	75	K06106a	TO116	Hex inv;Prop delay 7.0n;tf 50ns max.
35	N8H90F	6		MON	2.8%	.40†*	0.0	5.0	277m	0	75	K06106a	M157	Hex;tpd 7.0ns;tf 50ns max.
36	N8H90J	6			2.8%	.40†*	0.0	5.0	277m	0	75	K06106a	TO88	Hex inv; Prop delay 7.0n;tf 50ns max.
37	S8H90A	6			2.8%	.40†*	0.0	5.0	277m	-55	125	K06106a	TO116	Hex inv; Prop delay 7.0n;tf 50ns max.
38	S8H90F	6		MON	2.8%	.40†*	0.0	5.0	277m	-55	125	K06106a	M157	Hex;tpd 7.0ns;tf 50ns max.
39	S8H90J	6			2.8%	.40†*	0.0	5.0	277m	-55	125	K06106a	TO88	Hex inv; Prop delay 7.0n;tf 50ns max.
40	MC835F	6		MON	3.0	.20	0.0	5.0	42m†	0	75	K0681c	TO86	6 Hex Inverters;DTL;Fan Out 8;tpd 30ns
41	MC835L,P%	6		MON	3.0	.20	0.0	5.0	42m†	0	75	K0681c	TO116	6 Hex Inverters;DTL;Fan Out8;tpd 30ns.
42	MC840F	6		MON	3.0	.20	0.0	5.0	66m†	0	75	K0681d	TO86	6 Hex Inverters;DTL;Fan Out 8;tpd 30ns
43	MC840L,P%	6		MON	3.0	.20	0.0	5.0	66m†	0	75	K0681d	TO116	6 Hex Inverters;DTL;Fan Out8;tpd 30ns.
44	MC841F	6		MON	3.0	.20	0.0	5.0	42m†	0	75	K0681e	TO86	6 Hex Inverters;DTL;Fan Out 8;tpd 30ns
45	MC841L,P%	6		MON	3.0	.20	0.0	5.0	42m†	0	75	K0681e	TO116	6 Hex Inverters;DTL;Fan Out8;tpd 30ns.
46	MC935F	6		MON	3.0	.20	0.0	5.0	42m†	-55	125	K0681c	TO86	DTL;Fan Out 8;tpd 30ns; 6 Ckt.
47	MC935L	6		MON	3.0	.20	0.0	5.0	42m†	-55	125	K0681c	TO116	DTL;Fan Out 8;tpd 30ns;6 ckt.
48	MC940F	6		MON	3.0	.20	0.0	5.0	66m†	-55	125	K0681d	TO86	DTL;Fan Out 8;tpd 30ns; 6 Ckt.
49	MC940L	6		MON	3.0	.20	0.0	5.0	66m†	-55	125	K0681d	TO116	DTL;Fan Out 8;tpd 30ns; 6 Ckt.
50	MC941F	6		MON	3.0	.20	0	8	42m†	-55	125	K0681e	TO86	6 Hex Inverters;DTL;Fan Out 8;tpd 30ns.
51	MC941L	6		MON	3.0	.20	0.0	5.0	42m†	-55	125	K0681e	TO116	DTL;Fan Out 8;tpd 30ns; 6 Ckt.
52#	MIC935-1D	6		MON	3.0	.20	0.0	5.0		-55	125	K0681c	TO116	DTL Hex Inverter;Fan Out 8;Tpd 30ns.
53#	MIC935-5D	6		MON	3.0	.20	0.0	5.0		0	75	K0681c	TO116	DTL Hex Inverter;Fan Out 8;Tpd 30ns.
54	MC2016F	6		MON	3.0%	.40*†	0.0	5.0	132m†	0	75	K06118	TO86	6 ckts;tpd 6.0n typ;Fan Out 5.
55	MC2016L,P%	6		MON	3.0%	.40*†	0.0	5.0	132m†	0	75	K06118	TO116	6 ckts;tpd 6.0n typ;Fan Out 5.
56	MC2066F	6		MON	3.0%	.40*†	0.0	5.0	132m†	0	75	K06118	TO86	6 ckts;tpd 6.0n typ;Fan Out 5.
57	MC2066L,P%	6		MON	3.0%	.40*†	0.0	5.0	132m†	0	75	K06118	TO116	6 ckts;tpd 6.0n typ;Fan Out 5.
58♦	MIA18	6	5.0M	PCB	3.0%	.40*	0.0	5.0	310m	0	70	K0671a	CB53	Eighteen inverters
59	HD1S534	6		MON	3.0%	.45*†	0.0	5.0	17m§	0	75	K0684a	M75k	Hex Interface Inverter.
60	HD9V534	6		MON	3.0%	.45*†	0.0	5.0	17m§	0	75	K0684a	TO86	Hex Interface Inverter.
61	RG3382D	6		MON	3.0%	.45*†	0.0	5.0	132m†	0	75	K06109a	M105m	Hex Inv;tpd 9.5ns max;tr 3.0ns max.
62	RG3382K	6		MON	3.0%	.45*†	0.0	5.0	132m†	0	75	K06109a	FP21b	Hex Inv;tpd 9.5ns max;tr 3.0ns max.
63	HD1S536	6		MON	3.0%	1.0*†	0.0	5.0	17m§	0	75	K0684a	M75k	Hex Indicator Driver.
64	HD9V536	6		MON	3.0%	1.0*†	0.0	5.0	17m§	0	75	K0684a	TO86	Hex Indicator Driver.
65	MC2116F	6		MON	3.1%	.40*†	0.0	5.0	132m†	-55	125	K06118	TO86	6 ckts;tpd 6.0n typ;Fan Out 9.
66	MC2116L	6		MON	3.1%	.40*†	0.0	5.0	132m†	-55	125	K06118	TO116	6 ckts;tpd 6.0n typ;Fan Out 9.
67	MC2166F	6		MON	3.1%	.40*†	0.0	5.0	132m†	-55	125	K06118	TO86	6 ckts;tpd 6.0n typ;Fan Out 9.
68	MC2166L	6		MON	3.1%	.40*†	0.0	5.0	132m†	-55	125	K06118	TO116	6 ckts;tpd 6.0n typ;Fan Out 9.
69	RG3380D	6		MON	3.1%	.40*†	0.0	5.0	132m†	-55	125	K06109a	M105m	Hex Inv;tpd 9.5ns max;tr 3.0ns max.
70	RG3380K	6		MON	3.1%	.40*†	0.0	5.0	132m†	-55	125	K06109a	FP21b	Hex Inv;tpd 9.5ns max;tr 3.0ns max.
71	MC429F	6	1.0MΔ%	MON	3.1%	.40*†	0.0	5.0	90m†	0	75	K06107b	TO86	6 Hex Inverters;TTL;tpd 10ns typ.
72	MC429L,P%	6	1.0MΔ%	MON	3.1%	.40*†	0.0	5.0	90m†	0	75	K06107b	TO116	6 Hex Inverters;TTL;tpd 10ns typ.
73	MC479F	6	1.0MΔ%	MON	3.1%	.40*†	0.0	5.0	90m†	0	75	K06107b	TO86	6 Hex Inverters;TTL;tpd 10ns typ.
74	MC479L,P%	6	1.0MΔ%	MON	3.1%	.40*†	0.0	5.0	90m†	0	75	K06107b	TO116	6 Hex Inverters;TTL;tpd 10ns typ.
75	MC529F	6	1.0MΔ%	MON	3.2%	.40*†	0.0	5.0	90m†	-55	125	K06107b	TO86	6 Hex Inverters;TTL;tpd 10ns typ.
76	MC529L	6	1.0MΔ%	MON	3.2%	.40*†	0.0	5.0	90m†	-55	125	K06107b	TO116	6 Hex Inverters;TTL;tpd 10ns typ.
77	MC579F	6	1.0MΔ%	MON	3.2%	.40*†	0.0	5.0	90m†	-55	125	K06107b	TO86	6 Hex Inverters;TTL;tpd 10ns typ.
78	MC579L	6	1.0MΔ%	MON	3.2%	.40*†	0.0	5.0	90m†	-55	125	K06107b	TO116	6 Hex Inverters;TTL;tpd 10ns typ.
79♦	TMIA18	6		PCB	3.3	.22	0.0	5.0	540m	0	70	K06107b	CB53	18 ckts;Fan-in 1, Fan-out 10, Per ckt.
80	TRWG380#1	6		MON	3.3	.26	0.0	5.0	132m	-55	125		M157	Hex One Input Inverter.
81	TRWG380#2	6		MON	3.3	.26	0.0	5.0	132m	-55	125		M126	Hex One Input Inverter.
82	RG370D	6	20M	MON	3.4	.20	0	5.0	90m	-55	125	K06103b	M105m	Hex Inverter;Fanout-15;Noise Margin-1.1V.
83	RG370K	6	20M	MON	3.4	.20	0	5.0	90m	-55	125	K06103b	FP21b	Hex Inverter;Fanout-15;Noise Margin-1.1V.
84	RG371D	6	20M	MON	3.4	.20	0	5.0	90m	-55	125	K06103b	M105m	Hex Inverter;Fanout-7;Noise Margin-1.1V.
85	RG371K	6	20M	MON	3.4	.20	0	5.0	90m	-55	125	K06103b	FP21b	Hex Inverter;Fanout-7;Noise Margin-1.1V.
86	RG372D	6	20M	MON	3.4	.20	0	5.0	90m	0	75	K06103b	M105m	Hex Inverter;Fanout-12;Noise Margin-1.1V.
87	RG372K	6	20M	MON	3.4	.20	0	5.0	90m	0	75	K06103b	FP21b	Hex Inverter;Fanout-12;Noise Margin-1.1V.
88	RG373D	6	20M	MON	3.4	.20	0	5.0	90m	0	75	K06103b	M105m	Hex Inverter;Fanout-6;Noise Margin-1.1V.
89	RG373K	6	20M	MON	3.4	.20	0	5.0	90m	0	75	K06103b	FP21b	Hex Inverter;Fanout-6;Noise Margin-1.1V.
90	RG380D	6		MON	3.5	.20	0.0	5.0	22m	-55	125	K06106	M105m	Hex Inverter;Fan Out-11;Noise Margin-1.0V
91	RG380K	6		MON	3.5	.20	0.0	5.0	22m	-55	125	K06106	FP21b	Hex inverter; fan out 11;noise margin 1.0V
92	RG381D	6		MON	3.5	.20	0.0	5.0	22m	-55	125	K06106	M105m	Hex Inverter;Fan Out-6;Noise Margin-1.0V
93	RG381K	6		MON	3.5	.20	0	5.0	22m	-55	125	K06106	FP21b	Hex Inverter;Fanout-6;Noise Margin-1.0V.
94	RG382D	6		MON	3.5	.20	0	5.0	22m	0	75	K06106	M105m	Hex Inverter;Fanout-9;Noise Margin-1.0V.
95	RG382K	6		MON	3.5	.20	0	5.0	22m	0	75	K06106	FP21b	Hex Inverter;Fanout-9;Noise Margin-1.0V.
96	RG383D	6		MON	3.5	.20	0	5.0	22m	0	75	K06106	M105m	Hex Inverter;Fanout-5;Noise Margin-1.0V.
97	RG383K	6		MON	3.5	.20	0	5.0	22m	0	75	K06106	FP21b	Hex Inverter;Fanout-5;Noise Margin-1.0V.
98#	ZN5404E	6		MON	3.5	.20	0.0	5.0	10	-55	125		M126	6 ckts; Propagation Time 29ns max.
99#	ZN5404F	6		MON	3.5	.20	0.0	5.0	10	-55	125		TO84	6 ckts; Propagation Time 29ns max.
100#	ZN5405E	6		MON	3.5	.20	0.0	5.0	10	-55	125		M126	6 ckts; Propagation Time 29ns max.
101#	ZN5405F	6		MON	3.5	.20	0.0	5.0	10	-55	125		TO84	6 ckts; Propagation Time 29ns max.
102#	ZN7404E	6		MON	3.5	.20	0.0	5.0	10m	0	70		M126	6 ckts; Propagation Time 29ns max.
103#	ZN7404F	6		MON	3.5	.20	0.0	5.0	10m	0	70		TO86	6 ckts; Propagation Time 29ns max.
104#	ZN7405E	6		MON	3.5	.20	0.0	5.0	10m	0	70		M126	6 ckts; Propagation Time 29ns max.
105#	ZN7405F	6		MON	3.5	.20	0.0	5.0	10m	0	70		TO86	6 ckts; Propagation Time 29ns max.
106	MM54C04D	6		MOS	3.5%	1.5*	0.0	5.0	500m	-55	125	K06162	M297a	Hex Inverter;tpd 90ns max.
107	MM54C901D	6		MOS	3.5%	1.5*	0.0	5.0	500m	-55	125	K06165	M297a	Hex Inverting TTL Buffer.
108	MM54C902D	6		MOS	3.5%	1.5*	0.0	5.0	500m	-55	125	K06165	M297a	Hex Non-Inverting TTL Buffer.
109	MM54C903D	6		MOS	3.5%	1.5*	0.0	5.0	500m	-55	125	K06165	M297a	Hex Inverting PMOS Buffer.
110	MM54C904D	6		MOS	3.5%	1.5*	0.0	5.0	500m	-55	125	K06165	M297a	Hex Non-Inverting PMOS Buffer.

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MM54C906D	6		MOS	3.5%	1.5*	0.0	5.0	500m	-55	125	K0561	M297a	Hex Open Drain N-Channel Buffer.
2	MM54C907D	6		MOS	3.5%	1.5*	0.0	5.0	500m	-55	125	K0561	M297a	Hex Open Drain N-Channel Buffers.
3	MM70C95D	6		MOS	3.5%§	1.5*	0.0	5.0	500m	-55	125	K06166	M346a	Hex Non-Inverting Buffer.
4	MM70C97D	6		MOS	3.5%§	1.5*	0.0	5.0	500m	-55	125	K06167	M346a	Hex Non-Inverting Buffer.
5	MM74C04N	6		MOS	3.5%	1.5*	0.0	5.0	500m	0	70	K06162	M344	Hex Inverter;tpd 90ns max.
6	MM74C901N	6		MOS	3.5%	1.5*	0.0	5.0	500m	0	70	K06165	M344	Hex Inverting TTL Buffer.
7	MM74C902N	6		MOS	3.5%	1.5*	0.0	5.0	500m	0	70	K06165	M344	Hex Non-Inverting TTL Buffer.
8	MM74C903N	6		MOS	3.5%	1.5*	0.0	5.0	500m	0	70	K06165	M344	Hex Inverting PMOS Buffer.
9	MM74C904N	6		MOS	3.5%	1.5*	0.0	5.0	500m	0	70	K06165	M344	Hex Non-Inverting PMOS Buffer.
10	MM74C906N	6		MOS	3.5%	1.5*	0.0	5.0	500m	0	70	K0561	M344	Hex Open Drain P-Channel Buffers.
11	MM74C907N	6		MOS	3.5%	1.5*	0.0	5.0	500m	0	70	K0561	M344	Hex Open Drain P-Channel Buffers.
12	MM80C95N	6		MOS	3.5%§	1.5*	0.0	5.0	500m	0	70	K06166	M345	Hex Non-Inverting Buffer.
13	MM80C97N	6		MOS	3.5%§	1.5*	0.0	5.0	500m	0	70	K06167	M345	Hex Non-Inverting Buffer.
14	N8490A	6			3.6%	.351*	0.0	5.0	100m	0	75	K06103a	TO116	Hex inv;Prop delay 40ns max;tf 75ns max.
15	N8490F	6		MON	3.6%	.351*	0.0	5.0	100m	0	75	K06103a	M157	Hex;tpd 40ns;tf 75ns max.
16	N8490J	6			3.6%	.351*	0.0	5.0	100m	0	75	K06103a	TO88	Hex inv;Prop delay 40ns max;tf 75ns max.
17	S8490A	6			3.6%	.351*	0.0	5.0	100m	-55	125	K06103a	TO116	Hex inv; Prop delay 40ns max;tf 75ns max.
18	S8490F	6		MON	3.6%	.351*	0.0	5.0	100m	-55	125	K06103a	M157	Hex;tpd 40ns;tf 75ns max.
19	S8490J	6			3.6%	.351*	0.0	5.0	100m	-55	125	K06103a	TO88	Hex inv; Prop delay 40ns max;tf 75ns max.
20▼#	MSM508	6		MOS	3.6%	.80*	0.0	5.0	25u§	-20	70	K06168	M318a	Hex Inverter;tpd 300ns max;FO 15.
21▼#	MSM509	6		MOS	3.6%	.80*	0.0	5.0	25u§	-20	70	K06169	M318a	Hex Buffer;tpd 300ns max;FO 15.
22	HD1S234	6		MON	4.0%	.40*†	0.0	5.0	17m§	-55	125	K0684a	M75k	Hex Interface Inverter.
23	HD9V234	6		MON	4.0%	.40*†	0.0	5.0	17m§	-55	125	K0684a	TO86	Hex Interface Inverter.
24#	FQH151-837	6		MON	4.3%	.50†*	0.0	8.0		0	75	K0695	TO116	Hex Inverters;Diode Input.
25	MC14007AL	6		MOS	4.99%	.01*†	0.0	10	10n	-55	125	K06129	TO116	Dual Pair And Inverter.
26	MC14007CL,P%	6		MOS	4.99%	.01*†	0.0	10	50n†	-40	85	K06129	TO116	Dual Pair And Inverter.
27	MC14009AL	6		MOS	4.99%	.01*†	0.0	10	100n†	-55	125	K06130	M191	Inverting Hex Buffer.
28	MC14009CL	6		MOS	4.99%	.01*†	0.0	10	500n†	-40	85	K06130	M191	Inverting Hex Buffer.
29	MC14009CP	6		MOS	4.99%	.01*†	0.0	10	500n†	-40	85	K06130	M278	Inverting Hex Buffer.
30	MC14010AL	6		MOS	4.99%	.01*†	0.0	10	100n†	-55	125	K06131	M191	Hex Non-Inverting Buffer.
31	MC14010CL	6		MOS	4.99%	.01*†	0.0	10	500n†	-40	85	K06131	M191	Hex Non-Inverting Buffer.
32	MC14010CP	6		MOS	4.99%	.01*†	0.0	10	500n†	-40	85	K06131	M278	Hex Non-Inverting Buffer.
33	MM4609AD	6		MOS	4.99%	.01*	0.0	5.0	500m	-55	125	K06119	M346a	Hex Buffer(Inverting).
34	MM4609AF	6		MOS	4.99%	.01*	0.0	5.0	500m	-55	125	K06119	M346a	Hex Buffer(Inverting).
35	MM4649AD	6		MOS	4.99%	.01*†	0.0	5.0	500m	-55	125	K06144	M346a	MOS(CMOS)Hex Buffers.
36	MM4649AF	6		MOS	4.99%	.01*†	0.0	5.0	500m	-55	125	K06144	FP98	MOS(CMOS)Hex Buffers.
37	MM4650AD	6		MOS	4.99%	.01*†	0.0	5.0	500m	-55	125	K06145	M346a	MOS(CMOS)Hex Buffers.
38	MM4650AF	6		MOS	4.99%	.01*†	0.0	5.0	500m	-55	125	K06145	FP98	MOS(CMOS)Hex Buffers.
39	MM5609AN	6		MOS	4.99%	.01*	0.0	5.0	500m	-40	85	K06119	M345	Hex Buffer(Inverting).
40	MM5649AN	6		MOS	4.99%	.01*†	0.0	5.0	500m	-40	85	K06144	M345	MOS(CMOS)Hex Buffers.
41	MM5650AN	6		MOS	4.99%	.01*†	0.0	5.0	500m	-40	85	K06145	M345	MOS(CMOS)Hex Buffers.
42	I300	6	5.0M	PCB	5.0	0.0	4.8	5.2	480m	0	70		CB☑	Pd-25ns;tr-50nsec;tf-25nsec.
43	T214	6	10M	PCB	5.0	0.0	4.8	5.2	650m	0	70		CB☑	Inverters.
44#	FCH311	6		MON	5.3	.40†	0.0	8.0	100m	0	75	K06116	TO116	DTL;F.O. 8; Aver tpD 30ns typ.
45#	FCH321	6		MON	5.3	.40†	0.0	8.0	171m	0	75	K06116a	TO116	DTL;F.O. 8; Aver tpD 30ns typ.
46	LCE704	6	1.0M	MOH	6.0	0.0†	6	12		-15	65		M45	
47	LCE304	6	3.0M	MOH	6.0	0.0†	6	12	310m	-40	100	K0635	CN27	tr-160ns; tf-30ns
48	LCE404	6	3.0M	MOH	6.0	0.0†	6	12	310m	-40	100	K0636	M45	tr-160ns; tf-30ns
49	LCE504	6	5.0M	MOH	6.0	0.0†	6	12		-30	80		M45	
50	334AJ	6		MON	6.5*	5.0%	0.0	15	630m†	-30	70	K06140	M319	Strobed Hex Inv;tpd 350ns max;FO 5.
51	334AL	6		MON	6.5*	5.0%	0.0	15	630m†	-30	70	K06140	M200j	Strobed Hex Inv;tpd 350ns max;FO 5.
52	334BL	6		MON	6.5*	5.0%	0.0	12	336m†	-55	125	K06140	M200j	Strobed Hex Inv;tpd 350ns max;FO 5.
53	334CJ	6		MON	6.5*	5.0%	0.0	12	336m†	-30	85	K06140	M319	Strobed Hex Inv;tpd 350ns max;FO 5.
54	334CL	6		MON	6.5*	5.0%	0.0	12	336m†	-30	85	K06140	M200j	Strobed Hex Inv;tpd 350ns max;FO 5.
55	334ML	6		MON	6.5*	5.0%	0.0	15	630m†	-55	125	K06140	M200j	Strobed Hex Inv;tpd 350ns max;FO 5.
56	335AL	6		MON	6.5*	5.0%	0.0	15	900m†	-30	70	K06141	M200j	Strobed Hex Inv;tpd 350ns max;FO 5.
57	335BL	6		MON	6.5*	5.0%	0.0	12	504m†	-55	125	K06141	M200j	Strobed Hex Inv;tpd 350ns max;FO 5.
58	335CJ	6		MON	6.5*	5.0%	0.0	12	504m†	-30	85	K06141	M319	Strobed Hex Inv;tpd 350ns max;FO 5.
59	335CL	6		MON	6.5*	5.0%	0.0	12	504m†	-30	85	K06141	M200j	Strobed Hex Inv;tpd 350ns max;FO 5.
60	335ML	6		MON	6.5*	5.0%	0.0	15	900m†	-55	125	K06141	M200j	Strobed Hex Inv;tpd 350ns max;FO 5.
61	ITT332-1D	6			6.5	5.0	0.0	12		-55	125			
62	ITT332-5D	6			6.5	5.0	0.0	12		-30	85			
63#	MIC335-1D	6		MON	6.5%	5.0*	0	12		-55	125	K06141	M200d	Strobed Hex Inverter.
64#	MIC335-1D1	6		MON	6.5%	5.0*	0	15		-55	125	K06141	M200d	Strobed Hex Inverter.
65#	MIC335-5D	6		MON	6.5%	5.0*	0	12		-30	85	K06141	M200d	Strobed Hex Inverter.
66#	MIC335-5D1	6		MON	6.5%	5.0*	0	15		-30	70	K06141	M200d	Strobed Hex Inverter.
67	4007A	6		MOS	7.1%	2.9%	0.0	10	200mΔ	-40	85	K06163	M318	Dual Complementary Pair Plus Inverter.
68	HD1-54C04	6		MOS	8.0%	2.0*	0.0	10	10n%	-55	125	K0679a	M126v	Hex Inverter(CMOS)
69	HD1-54C901	6		MOS	8.0%	2.0*	0.0	10	500m	-55	125	K0679c	M126v	Hex Inverting TTL Buffer.
70	HD1-54C903	6		MOS	8.0%	2.0*	0.0	10	500m	-55	125	K0679c	M126v	Hex Inverting PMOS Buffer.
71	HD1-74C04	6		MOS	8.0%	2.0*	0.0	10	10n%	-40	85	K0679a	M126v	Hex Inverter(CMOS).
72	HD1-74C901	6		MOS	8.0%	2.0*	0.0	10	500m	-40	85	K0679c	M126v	Hex Inverting TTL Buffer.
73	HD1-74C903	6		MOS	8.0%	2.0*	0.0	10	500m	-40	85	K0679c	M126v	Hex Inverting PMOS Buffer.
74	HD9-54C04	6		MOS	8.0%	2.0*	0.0	10	10n%	-55	125	K0679a	TO86	Hex Inverter(CMOS)
75	HD9-54C901	6		MOS	8.0%	2.0*	0.0	10	500m	-55	125	K0679c	TO86	Hex Inverting TTL Buffer.
76	HD9-54C903	6		MOS	8.0%	2.0*	0.0	10	500m	-55	125	K0679c	TO86	Hex Inverting PMOS Buffer.
77	HD9-74C04	6		MOS	8.0%	2.0*	0.0	10	10n%	-40	85	K0679a	TO86	Hex Inverter(CMOS).
78	HD9-74C901	6		MOS	8.0%	2.0*	0.0	10	500m	-40	85	K0679c	TO86	Hex Inverting TTL Buffer.
79	HD9-74C903	6		MOS	8.0%	2.0*	0.0	10	500m	-40	85	K0679c	TO86	Hex Inverting PMOS Buffer.
80#	H112D1	6		MON	8.0%	6.0*	0.0	20	720m§	0	75	K0679a	M294	Hex Inverter Open Collector;tpd 110ns.
81#	H112D2	6		MON	8.0%	6.0*	0.0	16	384m§	-55	125	K0679a	M294	Hex Inv.Open Collector;tpd 110ns.
82#	H112D6	6		MON	8.0%	6.0*	0.0	16	480m§	-40	85	K0679a	M443a	Hex Inverter Open Collector;tpd 110ns.
83#	H115D1	6		MON	8.0%	6.0*	0.0	20	120mΔ	0	75	K06132	M294	Hex Inverter Open Collector;tpd 110ns.
84#	H115D2	6		MON	8.0%	6.0*	0.0	16	80mΔ	-55	125	K06132	M200m	Hex Inverter Open Collector;tpd 110ns.
85#	H115D6	6		MON	8.0%	6.0*	0.0	16	80mΔ	-40	85	K06132	M200m	Hex Inverter Open Collector;tpd 110ns.
86#	H118D1	6		MON	8.0%	6.0*	0.0	20	900m§	0	75	K0679a	M294	Hex Inverter Active Pull Up;tpd 160ns.
87#	H118D2	6		MON	8.0%	6.0*	0.0	16	576m§	-55	125	K0679a	M294	Hex Inverter Active Pull Up;tpd 160ns.
88#	H118D6	6		MON	8.0%	6.0*	0.0	16	576m§	-40	85	K0679a	M443a	Hex Inverter Active Pull Up;tpd 160ns.
89#	H119D1	6		MON	8.0%	6.0*	0.0	20	120mΔ	0	75	K06132	M200m	Strobed Hex Inv Active Pull Up;tpd 160ns.
90#	H119D2	6		MON	8.0%	6.0*	0.0	16	96mΔ	-55	125	K06132	M200m	Strobed Hex Inv Active Pull Up;tpd 160ns.
91#	H119D6	6		MON	8.0%	6.0*	0.0	16	96mΔ	-40	85	K06132	M200m	Strobed Hex Inv Active Pull Up;tpd 160ns.
92#	H212B1	6		MON	8.0%	6.0*	0.0	16	500m	0	75	K0679a	M294d	Hex Inverter Open Collector;tpd 110ns.
93#	H215B1	6		MON	8.0%	6.0*	0.0	16	500m	0	75	K06132	M200m	Hex Inverter Open Collector;tpd 110ns.
94#	H218B1	6		MON	8.0%	6.0*	0.0	16	500m	0	75	K0679a	M294d	Hex Inv. Active Pull-Up;tpd 110ns.
95#	H219B1	6		MON	8.0%	6.0*	0.0	16	500m	0	75	K06132	M200m	Hex Inverter Active Pull-Up;tpd 110ns.
96	SS4049AE	6			9.8%	.20*†	0.0	10		-30	85	K06164		Hex Buffer/Converter Inverting Type.
97▼	CD4502AD	6		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K06137	Δ001AE	Strobed Hex Inverter/Buffer.
98▼	CD4502AE	6		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K06137	Δ001AC	Strobed Hex Inverter/Buffer.
99▼	CD4502AF	6		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K06137	Δ001AC	Strobed Hex Inverter/Buffer.
100▼	CD4502AK	6		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K06137	Δ004AG	Strobed Hex Inverter/Buffer.
101▼	CD4502AY	6		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K06137	Δ001AC	Strobed Hex Inverter/Buffer.
102	CD4069BH	6		MOS	9.99%	.01*†	0.0	10	200m§	-55	125	K06155	FC☑	Hex Inverter.
103	MC14049AL	6		MOS	9.99%	.01*†	0.0	10	5.0u	-55	125	K06144	M191	Hex Inverter/Buffer.
104	MC14049CL	6		MOS	9.99%	.01*†	0.0	10	50u	-40	85	K06144	M191	Hex Inverter/Buffer.
105	MC14049CP	6		MOS	9.99%	.01*†	0.0	10	50u	-40	85	K06144	M278	Hex Inverting/Buffer.
106	MC14050AL	6		MOS	9.99%	.01*†	0.0	10	50u	-55	125	K06145	M191	Hex Non-Inverting/Buffer.
107	MC14050CL	6		MOS	9.99%	.01*†	0.0	10	50u	-40	85	K06145	M191	Hex Non-Inverting Buffer.
108	MC14050CP	6		MOS	9.99%	.01*†	0.0	10	50u	-40	85	K06145	M278	Hex Non-Inverting Buffer.
109	MC14502AL	6		MOS	9.99%	.01*†	0.0	10	40u%	-55	125	K06137	M191	Strobed Hex Inverter/Buffer
110	MC14502CL	6		MOS	9.99%	.01*†	0.0	10	40u%	-40	85	K06137	M191	Strobed Hex Inverter/Buffer

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MC14502CP	6		MOS	9.99%	.01*†	0.0	10	40u%	-40	85	K06137	M278	Strobed Hex Inverter/Buffer
2	MC14572AL	6		MOS	9.99%	.01*†	0.0	10	1.0u%	-55	125	K06148	M191	Hex;tpd 25nst;tr 75ns max;tf 110ns max.
3	MC14572CL	6		MOS	9.99%	.01*†	0.0	10	10u%	-40	85	K06148	M191	Hex;tpd 25nst;tr 75ns max;tf 110ns max.
4	MC14572CP	6		MOS	9.99%	.01*†	0.0	10	10u%	-40	85	K06148	M278	Hex;tpd 25nst;tr 75ns max;tf 110ns max.
5	SCL4449AC	6		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K06143	M475d	CMS Hex Inverter;tpd 65ns max.
6	SCL4449AD	6		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K06143	M475e	CMS Hex Inverter;tpd 65ns max.
7	SCL4449AE	6		MOS	9.99%	.01*†	0.0	10	5.0u%	-40	85	K06143	M475f	CMS Hex Inverter;tpd 65ns max.
8	SCL4449AF	6		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K06143	FP111	CMS Hex Inverter;tpd 65ns max.
9	SCL4449AH	6		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K06143	FC☑	CMS Hex Inverter;tpd 65ns max.
10	SCL4502AC	6		MOS	9.99%	.01*†	0.0	10	10u%	-55	125	K06137	M475d	CMS Strobed Hex Inverter/Buffer.
11	SCL4502AD	6		MOS	9.99%§	.01*†	0.0	10	10u%	-55	125	K06137	M475e	CMS Strobed Hex Inverter/Buffer.
12	SCL4502AE	6		MOS	9.99%§	.01*†	0.0	10	10u%	-40	85	K06137	M475f	CMS Strobed Hex Inverter/Buffer.
13	SCL4502AF	6		MOS	9.99%§	.01*†	0.0	10	10u%	-55	125	K06137	FP111	CMS Strobed Hex Inverter/Buffer.
14	SCL4502AH	6		MOS	9.99%§	.01*†	0.0	10	10u%	-55	125	K06137	FC☑	CMS Strobed Hex Inverter/Buffer.
15▼	DS1630J	6		MON	-2.5%	1.3*†	0.0	15	50u†	-55	125	K0561	M257c	Hex CMOS Compatible Buffer.
16▼	DS3630J	6		MON	-2.5%	1.3*†	0.0	15	50u†	0	70	K0561	M257c	Hex CMOS Compatible Buffer.
17▼	DS3630N	6		MON	-2.5%	1.3*†	0.0	5.0	1.0m	0	70	K0561	M239a	Hex CMOS Compatible Buffer.
18	R107	6	2.0M	PCB	-3.0	0.0	15	10	457m	-20	65	K0648	CB31	Fan In-2Δ; Fan Out-18; DTL; 7 Ckts.
19	B104	6	10M	PCB	-3.0	0.0	15	0	570m	-20	85	K0646c	CB31	Inv;FI-1;FO-17;Prop Dly.-12ns;RCT-4Ckt.
20	B105	6	10M	PCB	-3.0	0.0	15	0	870m	-20	65	K0647	CB31	FI-1;FO-17;Prop. Dly.-12ns;RCT;5 Ckts.
21	B681	6	10M	PCB	-3.0	0.0	15	0	2.0	-20	65	K0640	CB31	4 Ckts; 12mA Out.
22	UL53L#2	6		MOS	-3.5%	-9.0*	27	0.0	120m†	0	70	K06120	M183a	Tpd 65ns;Input Cap 3.0pf.
23	CD4009AD	6		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K06119	Δ001AE	Hex Buffer Inverter/Converter;tpd 55ns max
24	CD4009AE	6		MOS	10	0.0†	0.0	10	50u%	-40	85	K06119	Δ001AC	Hex Buffer Inverter/Converter;tpd 70ns max
25	CD4009AK	6		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K06119	Δ004AG	Hex Buffer Inverter/Converter;tpd 55ns max
26	CD4069BD	6		MOS	10	0.0	0.0	10	200m	-55	125	K06155	Δ001AD	Hex Inverter.
27	CD4069BE	6		MOS	10	0.0	0.0	10	200m	-40	85	K06155	Δ001AB	Hex Inverter.
28	CD4069BF	6		MOS	10	0.0	0.0	10	200m	-55	125	K06155	Δ001AB	Hex Inverter.
29	CD4069BK	6		MOS	10	0.0	0.0	10	200m	-55	125	K06155	Δ004AF	Hex Inverter.
30	CD4502BE	6		MOS	10	0.0†	0.0	10	40n%	-40	85	K06137	Δ001AC	Strobed Hex Inverter/Buffer.
31	CM4009AD	6		MOS	10	0.0†	0.0	10	200m	-55	125	K06119	M210b	Hex Buffer Inverter;tpd 55ns max.
32	CM4009AE	6		MOS	10	0.0†	0.0	10	200m	-40	85	K06119	M210b	Hex Buffer Inverter;tpd 70ns max.
33	CM4069BD	6		MOS	10.0	0.0	0.0	10	200m	-55	125	K06155	Δ001AD	Hex Inverter.
34	CM4069BE	6		MOS	10.0	0.0	0.0	10	200m	-40	85	K06155	Δ001AB	Hex Inverter.
35#	HBC4009AD	6		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K06119	Δ001AE	CMS Hex Buffer Inv/Conv;tpd 55ns max.
36#	HBC4009AF	6		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K06119	Δ001AE	CMS Hex Buffer Inv/Conv;tpd 55ns max.
37#	HBC4009AK	6		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K06119	Δ004AG	CMS Hex Buffer Inv/Conv;tpd 55ns max.
38#	HBF4009AE	6		MOS	10	0.0†	0.0	10	50u%	-40	85	K06119	Δ001AC	CMS Hex Buffer Inv/Conv;tpd 70ns max.
39#	HBF4009AF	6		MOS	10	0.0†	0.0	10	50u%	-40	85	K06119	Δ001AE	CMS Hex Buffer Inv/Conv;tpd 70ns max.
40	UL03C	6	1.0M%	MOS	11	1.0	30	.30		-55	125	K0679b		8 Ckts.;1000mV noise immunity.
41	MC677L	6		MON	12.5%	1.5*†	0.0	15	342m	-30	75	K06113	M191	Hex Inverter with Strobe(Active Pullup).
42	MC677P	6		MON	12.5%	1.5*†	0.0	15	342m	-30	75	K06113	M278	Hex Inverter with Strobe(Active Pullup).
43	MC678L	6		MON	12.5%	1.5*†	0.0	15	288m	-30	75	K06113a	M191	W/Strobe (without Output Resistors).
44	MC678P	6		MON	12.5%	1.5*†	0.0	15	288m	-30	75	K06113a	M278	W/Strobe (Without Output Resistors).
45	MC680L,P%	6		MON	12.5%	1.5*†	0.0	15	246m†	-30	75	K06117a	TO116	6 ckts;DTL;tpd 110ns typ;FO10.
46	MC681L,P%	6		MON	12.5%	1.5*†	0.0	15	192m†	-30	75	K06117	TO116	6 ckts;DTL;tpd 125ns typ;FO10.
47	MC689L,P%	6		MON	12.5%	1.5*†	0.0	15	173m†	-30	75	K06133	TO116	Hex;6 ckts;tpd 150nst;FO10.
48	MC690L,P%	6		MON	12.5%	1.5*†	0.0	15	173m†	-30	75	K06134	TO116	Hex;6 ckts;tpd 150nst;FO10ns.
49#	MIC5416J	6		MON	15%	.70†*	0.0	5.0	143m†	-55	125	K06115	TO116	Hex Inverter Buffer;tpd 23ns max.
50#	MIC5417J	6		MON	15%	.70†*	0.0	5.0	125m†	-55	125	K06115a	TO116	Hex Buffer;tpd 30ns max;I Load 40mA.
51#	MIC6416J	6		MON	15%	.70†*	0.0	5.0	143m†	-40	85	K06115	TO116	Hex Inverter Buffer;tpd 23ns max.
52#	MIC6417J	6		MON	15%	.70†*	0.0	5.0	125m†	-40	85	K06115a	TO116	Hex Buffer;tpd 30ns max;I Load 40mA.
53#	MIC7416J	6		MON	15%	.70†*	0.0	5.0	143m†	0	75	K06115	TO116	Hex Inverter Buffer;tpd 23ns max.
54♦#	MIC7416N	6		MON	15%	.70†*	0.0	5.0	143m†	0	75	K06115	M126x	Hex Inv;tpd 23ns max.
55#	MIC7417J	6		MON	15%	.70†*	0.0	5.0	125m†	0	75	K06115a	TO116	Hex Buffer;tpd 30ns max;I Load 40mA.
56♦#	MIC7417N	6		MON	15%	.70†*	0.0	5.0	125m†	0	75	K06115a	M126x	Hex Inv;tpd 30ns max;ILoad 40mA.
57	HD1S235	6		MON	29%	1.0*†	0.0	5.0	17m§	-55	125	K0684a	M75k	Hex Interface Driver.
58	HD1S535	6		MON	29%	1.0*†	0.0	5.0	17m§	0	75	K0684a	M75k	Hex Interface Driver.
59	HD9V235	6		MON	29%	1.0*†	0.0	5.0	17m§	-55	125	K0684a	TO86	Hex Interface Driver.
60	HD9V535	6		MON	29%	1.0*†	0.0	5.0	17m§	0	75	K0684a	TO86	Hex Interface Driver.
61#	MIC5406J	6		MON	30%	.70†*	0.0	5.0	143m†	-55	125	K06115	TO116	Hex Inverter Buffer;tpd 23ns max.
62#	MIC5407J	6		MON	30%	.70†*	0.0	5.0	125m†	-55	125	K06115a	TO116	Hex Buffer;tpd 30ns max;I Load 40mA.
63#	MIC6406J	6		MON	30%	.70†*	0.0	5.0	143m†	-40	85	K06115	TO116	Hex Inverter Buffer;tpd 23ns max.
64#	MIC6407J	6		MON	30%	.70†*	0.0	5.0	125m†	-40	85	K06115a	TO116	Hex Buffer;tpd 30ns max;I Load 40mA.
65#	MIC7406J	6		MON	30%	.70†*	0.0	5.0	143m†	0	75	K06115	TO116	Hex Inverter Buffer;tpd 23ns max.
66♦#	MIC7406N	6		MON	30%	.70†*	0.0	5.0	143m†	0	75	K06115	M126x	Hex Inv;tpd 23ns max.
67#	MIC7407J	6		MON	30%	.70†*	0.0	5.0	125m†	0	75	K06115a	TO116	Hex Buffer;tpd 30ns max;I Load 40mA.
68♦#	MIC7407N	6		MON	30%	.70†*	0.0	5.0	125m†	0	75	K06115a	M126x	Hex Inv;tpD 30ns max;ILoad 40mA.
69#	SP704AE	7		MOS			30	5.0	80m†	0	70	K0540a	M54b	TTL-MOS Anal.Sw. and Logic Dr.
70#	SP704AF	7		MOS			30	5.0	80m†	0	70	K0540a	FP21	TTL-MOS Anal.Sw. and Logic Dr.
71#	SP704BE	7		MOS			20	5.0	43m†	0	70	K0540a	M54b	TTL-MOS Anal.Sw. and Logic Dr.
72#	SP704BF	7		MOS			20	5.0	43m†	0	70	K0540a	FP21	TTL-MOS Anal.Sw. and Logic Dr.
73	SW4010A	7		MOS			0.0	5.0	200m	-40	85	K0759	M117z	Hex Buffer/Converter;tpd 50ns max.
74	SW4050A	7		MOS			0.0	5.0	200m	-40	85	K0767	M117z	Hex Buffer/Converter;tpd 50ns max.
75	W700	7	40	PCB			15	10	465m	-20	65	K0712	CB31	6 Ckts;Mech. Switch Input Converter.
76	W510	7	2.0M	PCB			15	10	335m	-20	65	K0710	CB31	3 Ckts;2,1 or 0 in equals 0 and -3 out.
77	W600	7	2.0M	PCB	0.0	-3.0	15	10	498m	-20	65	K0711	CB31	3 Ckts; -1 to -15V Out.
78	W601	7	2.0M	PCB	0.0	-3.0	15	10	120m	-20	65	K0711a	CB31	3 Ckts; -1 to -20V Out.
79	10191F	7		MON	.31%	-.33*†	0.0	5.4		0	75	K0776	M153e	Hex ECL-MST Translator.
80	MC317F	7		MON	-.75	-1.6	5.2	0.0	35m	-55	125	K0738	TO91	Level Translator;ETC to Sat. Logic.
81	MC317G	7		MON	-.75	-1.6	5.2	0.0	35m	-55	125	K0738	CN9	Level Translator;ETC to Sat. Logic.
82	MC318F	7		MON	-.75	-1.6	5.2	6	105m	-55	125		TO91	Saturated Logic Level to .75V and 1.55V.
83	MC318G	7		MON	-.75	-1.6	5.2	6	105m	-55	125		CN9	Saturated Logic Level to .75V and 1.55V.
84	MC367F	7		MON	-.75	-1.6	5.2	0.0	35m	0	75	K0738	TO91	Level Translator;ETC to Sat. Logic.
85	MC367G	7		MON	-.75	-1.6	5.2	0.0	35m	0	75	K0738	CN9	Level Translator;ETC to Sat. Logic.
86	MC368F	7		MON	-.75	-1.6	5.2	6	105m	0	75			Saturated Logic Level to .75V and 1.55V.
87	MC368G	7		MON	-.75	-1.6	5.2	6	105m	0	75		CN9	Saturated Logic Level to .75V and 1.55V.
88	MC1017P	7		MON	-.75	-1.6	5.2	0.0	105m†	0	75	K0748	TO116	Saturated Logic To MECL.
89	MC1018P	7		MON	-.75	-1.6	5.2	0.0	55m†	0	75	K0749	TO116	MECL To Saturated Logic.
90	MC1039P	7		MON	-.75	-1.6	5.2	0.0	200m†	0	75	K0761	M278	Quad;MECL To Saturated Logic.
91	MC1067P	7		MON	-.75	-1.6	5.2	0.0	300m†	0	75	K0769	M278	Quad;MTTL To MECL Translator W/Strobe.
92	MC1068P	7		MON	-.75	-1.6	5.2	0.0	340m†	0	75	K0770	M278	Quad MECL to MTTL Tranl.w/Totem-Pole Outp.
93	MC1217F	7		MON	-.75	-1.6	5.2	0.0	105m†	-55	125	K0748	TO86	Saturated Logic To MECL.
94	MC1217L	7		MON	-.75	-1.6	5.2	0.0	105m†	-55	125	K0748	TO116	Saturated Logic to MECL.
95	MC1218F	7		MON	-.75%	-1.6*	5.2	0.0	55m†	-55	125	K0749	TO86	MECL to DTL;tpd 19nst;FO 7.
96	MC1218L	7		MON	-.75%	-1.6*	5.2	0.0	55m†	-55	125	K0749	TO116	MECL to Saturated Logic.
97	MC1239F	7		MON	-.75	-1.6	5.2	0.0	200m†	-55	125	K0761	FP85	MECL To Saturated Logic;Quad Translator.
98	MC1239L	7		MON	-.75	-1.6	5.2	0.0	200m†	-55	125	K0761	TO116	MECL To Saturated Logic Quad Translator.
99	MC1267F	7		MON	-.75	-1.6	5.2	0.0	300m†	-55	125	K0769	FP85	Quad MTTL To MECL Translator W/Strobe.
100	MC1267L	7		MON	-.75	-1.6	5.2	0.0	300m†	-55	125	K0769	M191	Quad MTTL To MECL Translator W/Strobe.
101	MC1268F	7		MON	-.75	-1.6	5.2	0.0	340m†	-55	125	K0770	FP85	Quad MECL to MTTL Transl.w/Totem-Pole Outp
102	MC1268L	7		MON	-.75	-1.6	5.2	0.0	340m†	-55	125	K0770	M191	Quad MECL to MTTL Transl.w/Totem-Pole Outp
103#	SP1039	7		MON	-.75	-1.6†	5.2	0.0	200m†	0	75	K0761	M200g	Quad Translator(PECL to Saturated Logic).
104#	SP1239	7		MON	-.75	-1.6†	5.2	0.0	200m†	-55	125	K0761	M200g	Quad Translator(PECL to Saturated Logic).
105	N1017A	7	30M	MON	-.77	-1.6	5.2	5.0	105m	0	75			Dual DTL to ECL Translator.
106	N1039B	7	40M	MON	-.77	-1.6	5.2	5.0	200m	0	75			Quad ECL to DTL/TTL Translator.
107	N1068B	7	70M	MON	-.77	-1.6	5.2	5.0	360m	0	75			Quad ECL to TTL Translator.
108	10124F	7	80M	MON	-.85	-1.7	5.2	5.0	340m	-30	85	K15437	M153a	Quad TTL to ECL Translator.
109	MC10524F	7		MON	-.93%	-1.6*†	5.2	0.0	380m†	-55	125	K0771	FP85	Quad MTTL to MECL Translator.
110	MC10524L	7		MON	-.93%	-1.6*†	5.2	0.0	380m†	-55	125	K0771	M191	Quad MTTL to MECL Translator.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	10190F#2	7		MON	-.96%	-1.6*†	5.2	0.0	104m%	-30	85	K2252	M153e	Quad Diff Rcvr/MST-ECL Translator.
2	MC10124L	7		MON	-.96%	-1.6*†	5.2	0.0	380m†	-30	85	K0771	M191	Quad MTTL to MECL Translator.
3	MC10124P	7		MON	-.96%	-1.6*†	5.2	0.0	380m†	-30	85	K0771	M278	Quad MTTL to MECL Translator.
4	NC612	7		MOH	1.8%	.80*	27	5.0	1.2	-55	125	K0760	CN48e	Dual Universal Voltage Translator.
5	PC612	7		MOH	1.8%	.80*	27	5.0	1.2	-55	125	K0760	FP39b	Dual Universal Voltage Translator.
6	782	7	5.0MΔ	PCB	2.0%	.45*	12	12		0	70	K0733	CB50	8 Ckt; Input 15V to -15V.
7	D3210	7			2.0%	.80*	0.0	12	570m§	0	75	K0779	M315	TTL-to-MOS Level Shifter, HV Clock Driver
8	D3235	7			2.0%	.80*	0.0	15	690m§	0	75	K0781	M146f	Quad Bipolar to MOS Driver.
9	DH0034CD	7			2.0%	.80*	0.0	5.0	800m	0	85	K15406	M105aq	Dual;TTL/DTL to CML/MOS;Tran time 65ns max
10	DH0034CH	7			2.0%	.80*	0.0	5.0	800m	0	85	K15406	CN23b	Dual TTL/DTL to CML/MOS;Tran time 65ns max
11	DH0034D	7			2.0%	.80*	0.0	5.0	800m	-55	125	K15406	M105aq	Dual;TTL/DTL to CML/MOS;Tran time 60ns max
12	DH0034H	7			2.0%	.80*	0.0	5.0	800m	-55	125	K15406	CN23b	dual;TTL/DTL to CML/MOS;Tran time 60ns max
13	DM7802J	7		MOS	2.0%§	.80*	0.0	5.0	110m†	-55	125	K0782	M200	High Speed MOS to TTL;tpd 22ns typ.
14	DM7806J	7		MOS	2.0%§	.80*	0.0	5.0	110m†	-55	125	K0782	M200	High Speed MOS to TTL;tpd 22ns typ.
15	DM7806W	7		MOS	2.0%§	.80*	0.0	5.0	110m†	-55	125	K0782a	FP97c	High Speed MOS to TTL;tpd 22ns typ.
16	DM8802J	7		MOS	2.0%§	.80*	0.0	5.0	110m†	0	70	K0782	M200	High Speed MOS to TTL;tpd 22ns tp.
17	DM8802N	7		MOS	2.0%§	.80*	0.0	5.0	110m†	0	70	K0782	M345	High Speed MOS to TTL;tpd 22ns typ.
18	DM8806J	7		MOS	2.0%§	.80*	0.0	5.0	110m†	0	70	K0782	M200	High Speed MOS to TTL;tpd 22ns typ.
19	DM8806N	7		MOS	2.0%§	.80*	0.0	5.0	110m†	0	70	K0782	M345	High Speed MOS to TTL;tpd 22ns typ.
20	DM8806W	7		MOS	2.0%§	.80*	0.0	5.0	110m†	0	70	K0782a	FP97c	High Speed MOS to TTL;tpd 22ns typ.
21	DM10124J	7		MON	2.0%	.80*	0.0	5.0	250m†	-30	85	K0771	M200r	Quad TTL to ECL Translator/Diff Line Dr.
22▼	DS7800H	7		MON	2.0%	.80*	0.0	5.0	1.0m	-55	125	K0756	CN23b	Dual Voltage Translator.
23▼	DS8800H	7		MON	2.0%	.80*	0.0	5.0	1.0m	0	70	K0756	CN23b	Dual Voltage Translator.
24♦#	FZH181	7		MON	2.0%	.80*	0.0	5.0	240m§	0	70	K0765	M126g	4 Ckts; LSL-TTL; Fan-in 2.
25♦#	FZH185	7		MON	2.0%	.80*	0.0	5.0	240m§	-25	85	K0765	M126g	4 Ckts; LSL-TTL; Fan-in 2.
26	DM7800H	7	2.0M	MON	2.0%	.80*	0	7		-55	125	K0756	CN63	Dual TTL/MOS Translator.
27	DM8800H	7	2.0M	MON	2.0%	.80*	0	7		0	70	K0756	CN63	Dual TTL/MOS Translator.
28	MLC2	7	2.0M	PCB	2.0%	.95*	24	5		0	70	K0753	CB37c	plus 5V in equal -3 to -24V out.
29	D3207A	7			2.0%	1.0*	0.0	19	2.0	0	70	K0778	M146f	Quad Bipol to MOS Level Shifter and Driver
30	D3207A-1	7			2.0%	1.0*	0.0	19	2.0	0	55	K0779	M146f	Quad Bipol to MOS Level Shifter and Driver
31	MC54468F	7		MON	2.4%	.40*†	0.0	5.0	150m†	-55	125	K0773	T086	2MOS-To-TTL Level Trans W/Tri-State Out
32	MC54468L	7		MON	2.4%	.40*†	0.0	5.0	150m†	-55	125	K0773	T0116	2MOS-To-TTL Level Trans W/Tri-State Out
33	MC74468F	7		MON	2.5%	.40*†	0.0	5.0	150m†	0	75	K0773	T086	2MOS-To-TTL Level Trans W/Tri-State Out
34	MC74468L,P%	7		MON	2.5%	.40*†	0.0	5.0	150m†	0	75	K0773	T0116	2MOS-To-TTL Level Trans W/Tri-State Out
35	MC10125L	7		MON	2.5%	.50*†	5.2	0.0	360m†	-30	85	K0772	M191	MECL-to-MTTL Translator.
36	MC10125P	7		MON	2.5%	.50*†	5.2	0.0	380m†	-30	85	K0772	M278	Quad MECL to MTTL Translator.
37	MC10525F	7		MON	2.5%	.50*†	5.2	0.0	380m†	-55	125	K0772	FP85	Quad MECL to MTTL Translator.
38	MC10525L	7		MON	2.5%	.50*†	5.2	0.0	380m†	-55	125	K0772	M191	Quad MECL to MTTL Translator.
39	MLC3	7	2.0M	PCB	2.5%	.50*	0	24		0	70	K0754	CB37c	plus 5V in equal 3 to 24V out.
40	L50	7			2.6%	.50*	0	5		0	60			0 in-COM out;1 in- -6V out.
41	L51	7			2.6%	.50*	0	5		0	60			-.50 to .50 in-0 out;-12 to -6V in-1 out.
42	10125B	7	70M	MON	2.7%	.50*†	5.2	5.0	360m†	-30	85	K15438	M256	Quad ECL to TTL Translator.
43	10125F	7	70M	MON	2.7%	.50*†	5.2	5.0	360m	-30	85	K15438	M153e	Quad ECL to TTL Translator.
44#	SP751A	7		MON	2.7%	.80*	0.0	20	80m	0	70	K0777	FP2	TTL-MOS Anal. Sw.Drivers.
45#	SP751B	7		MON	2.7%	.80*	0.0	20	80m	0	70	K0777	FP2	TTL-MOS Anal. Sw.Drivers.
46#	SP752A	7		MON	2.7%	.80*	0.0	20	80m	0	70	K0777	FP2	TTL-MOS Logic Drivers.
47#	SP752B	7		MON	2.7%	.80*	0.0	20	80m	0	70	K0777	FP2	TTL-MOS Logic Drivers.
48♦	MOS10N	7	250k	PCB	3.0%	.40*	0.0	5.0	1.0	0	70	K0740	CB53	Ten Output Level Shifters.
49♦	MIS8	7	1.0M	PCB	3.0%	.40*	0.0	5.0	300m	0	70		CB53	Eight input level shifters
50♦	MOS10P	7	2.0M	PCB	3.0%	.40*		12	1.2	0	70	K0740a	CB53	Ten output level shifters.
51♦	MOS6P	7	5.0M	PCB	3.0%	.40*	0.0	5.0	400m	0	70		CB53	Six output level shifters
52	MLC4	7	2.0M	PCB	3.0%	.45*	5	5		0	70	K0755	CB37c	3 to 16V in equal 5V out.
53	MC665L,P%	7		MON	3.1%	.40*†	0.0	15	104m†	-30	75	K0757	TO116	Triple Level Translator;IO 3.0mA;tpd 30ns.
54#	TL665L	7		MON	3.1%	.40†*	0.0	15	104m†	-30	75	K0757	M157a	Triple Level Translator;IO 3.0mA;tpd 30ns
55#	TL665P	7		MON	3.1%	.40†*	0.0	15	104m†	-30	75	K0757	M114f	Triple Level Translator;IO 3.0mA;tpd 30ns
56	MM4610AD	7		MOS	4.99%	.01*	0.0	5.0	500m	-55	125	K0759	M346a	Hex Buffer(Non-Inverting).
57	MM4610AF	7		MOS	4.99%	.01*	0.0	5.0	500m	-55	125	K0759	M346a	Hex Buffer(Non-Inverting).
58	MM5610AN	7		MOS	4.99%	.01*	0.0	5.0	500m	-40	85	K0759	M345	Hex Buffer(Non-Inverting).
59	550	7	5.0M	PCB	5.0	.45	0	5		0	70	K0745	CB55	Output Converters;tr-40;tf-40nsec.
60	550A	7	5.0M	PCB	5.0	.45	0	5		0	70	K0745	CB55	Output Converters;tr-30;tf-20nsec.
61	551	7	5.0M	PCB	5.0	.45	0	5		0	70	K0746	CB55	Input Converters.
62▼	TF4049AJ	7		MOS	7.1%	1.9*	0.0	10	300u%	-55	125	K0768	M153d	Inverting Hex Buffer.
63▼	TF4049AN	7		MOS	7.1%	1.9*	0.0	10	300u%	-55	125	K0768	M117x	Inverting Hex Buffer.
64▼	TP4049AJ	7		MOS	7.1%	1.9*	0.0	10	700u%	-40	85	K0768	M153d	Inverting Hex Buffer.
65▼	TP4049AN	7		MOS	7.1%	1.9*	0.0	10	700u%	-40	85	K0768	M117x	Inverting Hex Buffer.
66▼	TF4050AJ	7		MOS	7.1%	2.9*	0.0	10	300u%	-55	125	K06145	M153d	Non Inverting Hex Buffer.
67▼	TF4050AN	7		MOS	7.1%	2.9*	0.0	10	300u%	-55	125	K06145	M117x	Non Inverting Hex Buffer.
68▼	TP4050AJ	7		MOS	7.1%	2.9*	0.0	10	700u%	-40	85	K06145	M153d	Non Inverting Hex Buffer.
69▼	TP4050AN	7		MOS	7.1%	2.9*	0.0	10	700u%	-40	85	K06145	M117x	Non Inverting Hex Buffer.
70♦#	FZH161	7		MON	7.5%	4.5*	0.0	12	288m§	0	70	K0764	M117aa	4 Ckts; LSL-TTL; Noise Rej. 5.0V.
71♦#	FZH165	7		MON	7.5%	4.5*	0.0	12	288m§	-25	85	K0764	M117aa	4 Ckts; LSL-TTL; Noise Rej. 5.0V.
72	CD4049AF	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0768	Δ001AC	Inverting Type Hex Buffer/Converter.
73	CD4050AF	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K06145	Δ001AC	Non-Inverting Hex Buffer/Converter.
74	HD1-4049A2	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0768	M200q	Inverting Hex Buffer Converter.
75	HD1-4049A9	7		MOS	9.99%	.01*†	0.0	10	50u%	-40	85	K0768	M200q	Inverting Hex Buffer Converter.
76	HD1-4050A2	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K06145	M200q	Non Inverting Hex Buffer Converter.
77	HD1-4050A9	7		MOS	9.99%	.01*†	0.0	10	50u%	-40	85	K06145	M200q	Non Inverting Hex Buffer Converter.
78	HD9-4049A2	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0768	FP103	Inverting Hex Buffer Converter.
79	HD9-4049A9	7		MOS	9.99%	.01*†	0.0	10	50u%	-40	85	K0768	FP103	Inverting Hex Buffer Converter.
80	HD9-4050A2	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K06145	FP103	Non Inverting Hex Buffer Converter.
81	HD9-4050A9	7		MOS	9.99%	.01*†	0.0	10	50u%	-40	85	K06145	FP103	Non Inverting Hex Buffer Converter.
82	SCL4009AC	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0767	M475d	Hex Buffer Logic Level Conv;Invert type.
83	SCL4009AD	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0767	M475e	Hex Buffer Logic Level Conv;Invert type.
84	SCL4009AE	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-40	85	K0767	M475f	Hex Buffer Logic Level Conv;Invert Type.
85	SCL4009AF	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0767	FP111	Hex Buffer Logic Level Conv;Invert Type.
86	SCL4009AH	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0767	FC☑	Hex Buffer Logic Level Conv;Invert Type.
87	SCL4010AC	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0759	M475d	Hex Buffer Logic Level Conv;Non Inver Type
88	SCL4010AD	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0759	M475e	Hex Buffer Logic Level Conv;Non Inver Type
89	SCL4010AE	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-40	85	K0759	M475f	Hex Buffer Logic Level Conv;Non Inver Type
90	SCL4010AF	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0759	FP111	Hex Buffer Logic Level Conv;Non Inver Type
91	SCL4010AH	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0759	FC☑	Hex Buffer Logic Level Conv;Non Inver Type
92	SCL4049AC	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0768	M475d	Inv Type Hex Buffer/Converter;tpd 40ns.
93	SCL4049AD	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0768	M475e	Inv Type Hex Buffer/Converter;tpd 40ns.
94	SCL4049AE	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-40	85	K0768	M475f	Inv Type Hex Buffer/Converter;tpd 40ns.
95	SCL4049AF	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0768	FP111	Inv Type Hex Buffer/Converter;tpd 40ns.
96	SCL4049AH	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K0768	FC☑	Inv Type Hex Buffer/Converter;tpd 40ns.
97	SCL4050AC	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K06145	M475d	Non-Inv Hex Buffer/Conv;tpd 40ns.
98	SCL4050AD	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K06145	M475e	Non-Inv Hex Buffer/Conv;tpd 40ns.
99	SCL4050AE	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-40	85	K06145	M475f	Non-Inv Hex Buffer/Conv;tpd 40ns.
100	SCL4050AF	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K06145	FP111	Non-Inv Hex Buffer/Conv;tpd 40ns.
101	SCL4050AH	7		MOS	9.99%	.01*†	0.0	10	5.0u%	-55	125	K06145	FC☑	Non-Inv Hex Buffer/Conv;tpd 40ns.
102	D3211	7			-1.0*	-1.5%	7.0	12	707m§	0	75	K0780	M315	ECL-to-MOS Level Shifter,HV Clock Driver
103#	SP701A	7		MOS	-2.7%	-.80*	25	0.0	80m†	0	70	K0539a	CN58a	TTL-MOS Analogue Sw. Drivers.
104#	SP701B	7		MOS	-2.7%	-.80*	20	0.0	60m†	0	70	K0539a	CN58a	TTL-MOS Analogue Sw. Drivers.
105#	SP702A	7		MOS	-2.7%	-.80*	25	0.0	80m†	0	70	K0539	CN58a	TTL-MOS Logic Drivers.
106#	SP702B	7		MOS	-2.7%	-.80*	20	0.0	60m†	0	70	K0539	CN58a	TTL-MOS Logic Drivers.
107#	SP703AE	7		MOS	-2.7%	-.80*	30	5.0	80m†	0	70	K0540	M54b	TTL-MOS Anal.Sw. and Logic Dr.
108#	SP703AF	7		MOS	-2.7%	-.80*	30	5.0	80m†	0	70	K0540	FP21	TTL-MOS Anal.Sw. and Logic Dr.
109#	SP703BE	7		MOS	-2.7%	-.80*	20	5.0	43m†	0	70	K0540	M54b	TTL-MOS Anal.Sw. and Logic Dr.
110#	SP703BF	7		MOS	-2.7%	-.80*	20	5.0	43m†	0	70	K0540	FP21	TTL-MOS Anal.Sw. and Logic Dr.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	W511	7		PCB	-3.0†	0.0	15	10		-20	65	K0735	CB31	Converts 25 and -50V to 0.0 and -3.0V.
2	W520	7		PCB	-3.0†	0.0	15	10		-20	65		CB31	Differential 25 and -50V to 0.0 and -3.0V.
3	W602	7		PCB	-3.0	0.0	15	10		-20	65		CB31	Output of ±6.0V at 15mA.
4	MLC1	7	4.0M	PCB	-3%	.50*	5	5		0	70	K0752	CB37c	-3 to -16V in - plus 5V out.
5	CD4010AD	7		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K0759	Δ001AE	Hex Buffer Converter;tpd 55ns max.
6	CD4010AE	7		MOS	10	0.0†	0.0	10	50u%	-40	85	K0759	Δ001AC	Hex Buffer Converter;tpd 70ns max.
7	CD4010AK	7		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K0759	Δ004AG	Hex Buffer Converter;tpd 70ns max.
8	CD4049AD	7		MOS	10	0.0†	0.0	10	200m	-55	125	K0768	Δ002AE	Inverting Type Hex Buffer/Converter.
9	CD4049AE	7		MOS	10	0.0†	0.0	10	200m	-40	85	K0768	Δ001AC	Inverting Type Hex Buffer/Converter.
10	CD4049AK	7		MOS	10	0.0†	0.0	10	200m	-55	125	K0768	Δ004AG	Inverting Type Hex Buffer/Converter.
11	CD4050AD	7		MOS	10	0.0†	0.0	10	200m	-55	125	K06145	Δ002AE	Non-Inverting Hex Buffer/Converter.
12	CD4050AE	7		MOS	10	0.0†	0.0	10	200m	-40	85	K06145	Δ001AC	Non-Inverting Hex Buffer/Converter.
13	CD4050AK	7		MOS	10	0.0†	0.0	10	200m	-55	125	K06145	Δ004AG	Non-Inverting Hex Buffer/Converter.
14	CM4010AD	7		MOS	10	0.0†	0.0	10	200m	-55	125	K0759	M210b	Hex Buffer Converter;tpd 55ns max.
15	CM4010AE	7		MOS	10	0.0†	0.0	10	200m	-40	85	K0759	M210b	Hex Buffer Converter;tpd 70ns max.
16	CM4049AD	7		MOS	10	0.0†	0.0	15	200m	-55	125	K0768	Δ001AE	Inverting Type Hex Buffer/Converter.
17	CM4049AE	7		MOS	10	0.0†	0.0	15	200m	-40	85	K0768	Δ001AC	Inverting Type Hex Buffer/Converter.
18	CM4050AD	7		MOS	10	0.0†	0.0	15	200m	-55	125	K06145	Δ002AE	Non-Inverting Hex Buffer/Converter.
19	CM4050AE	7		MOS	10	0.0†	0.0	15	200m	-40	85	K0767	Δ001AC	Non-Inverting Hex Buffer/Converter.
20	CM4104AD	7		MOS	10§	0.0†	0.0	15	200m	-55	125	K0775	M☑	Quad Low to High Level Translator.
21	CM4104AE	7		MOS	10§	0.0†	0.0	15	200m	-40	85	K0775	M☑	Quad Low to High Level Translator.
22	CM4104AF	7		MOS	10§	0.0†	0.0	15	200m	-55	125	K0775	FP☑	Quad Low to High Level Translator.
23#	HBC4010AD	7		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K0759	Δ001AE	CMS Hex Buffer Converter;tpd 55ns max.
24#	HBC4010AF	7		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K0759	Δ001AE	CMS Hex Buffer Converter;tpd 55ns max.
25#	HBC4010AK	7		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K0759	Δ004AG	CMS Hex Buffer Converter;tpd 55ns max.
26#	HBC4049AD	7		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K0768	Δ001AE	CMS Inv.Type Hex Buffer/Converter.
27#	HBC4049AF	7		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K0768	Δ001AE	CMS Inv.Type Hex Buffer/Converter.
28#	HBC4049AK	7		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K0768	Δ004AG	CMS Inv.Type Hex Buffer/Converter.
29#	HBC4050AD	7		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K0767	Δ001AE	CMS Non-Inv.Hex Buffer/Converter.
30#	HBC4050AF	7		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K0767	Δ001AE	CMS Non-Inv.Hex Buffer/Converter.
31#	HBC4050AK	7		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K0767	Δ004AG	CMS Non-Inv.Hex Buffer/Converter.
32#	HBF4010AE	7		MOS	10	0.0†	0.0	10	50u%	-40	85	K0759	Δ001AC	CMS Hex Buffer Converter;tpd 70ns max.
33#	HBF4010AF	7		MOS	10	0.0†	0.0	10	50u%	-40	85	K0759	Δ001AE	CMS Hex Buffer Converter;tpd 70ns max.
34#	HBF4049AE	7		MOS	10	0.0†	0.0	10	50u%	-40	85	K0768	Δ001AC	CMS Inv.Type Hex Buffer/Converter.
35#	HBF4049AF	7		MOS	10	0.0†	0.0	10	50u%	-40	85	K0768	Δ001AE	CMS Inv.Type Hex Buffer/Converter.
36#	HBF4050AE	7		MOS	10	0.0†	0.0	10	50u%	-40	85	K0767	Δ001AC	CMS Non-Inv.Hex Buffer/Converter.
37#	HBF4050AF	7		MOS	10	0.0†	0.0	10	50u%	-40	85	K0767	Δ001AE	CMS Non-Inv.Hex Buffer/Converter.
38	M400	7		PCB	10	0.0	0.0	10	150u	-55	95		CB☑	Hex Buffer;Logic Level Conv.,Invert.type.
39	MC666L,P%	7		MON	12.5%	1.5*†	0.0	15	105m†	-30	75	K0758	TO116	Triple LEVEL Translator;IO 3.0mA;tpd 30ns.
40#	TL666L	7		MON	12.5%	1.5†*	0.0	15	105m†	-30	75	K0758	M157a	Triple Level Translator;Fan Out 10.
41#	TL666P	7		MON	12.5%	1.5†*	0.0	15	105m†	-30	75	K0758	M114f	Triple Level Translator;Fan Out 10.
42▼	CD4009BD	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K06119	Δ001AE	Inverting Hex Buffer/Converter.
43▼	CD4009BE	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K06119	Δ001AC	Inverting Hex Buffer/Converter.
44▼	CD4009BF	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K06119	Δ001AC	Inverting Hex Buffer/Converter.
45▼	CD4009BK	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K06119	Δ004AG	Inverting Hex Buffer/Converter.
46▼	CD4009BY	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K06119	Δ001AC	Inverting Hex Buffer/Converter.
47▼	CD4010BD	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K0759	Δ001AE	Non-Inverting Hex Buffer/Converter.
48▼	CD4010BE	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K0759	Δ001AC	Non-Inverting Hex Buffer/Converter.
49▼	CD4010BF	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K0759	Δ001AC	Non-Inverting Hex Buffer/Converter.
50▼	CD4010BK	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K0759	Δ004AG	Non-Inverting Hex Buffer/Converter.
51▼	CD4010BY	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K0759	Δ001AC	Non-Inverting Hex Buffer/Converter.
52▼	CD4049BD	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K0768	Δ001AE	Inverting Hex Buffer/Converter.
53▼	CD4049BE	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K0768	Δ001AC	Inverting Hex Buffer/Converter.
54▼	CD4049BF	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K0768	Δ001AC	Inverting Hex Buffer/Converter.
55▼	CD4049BK	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K0768	Δ004AG	Inverting Hex Buffer/Converter.
56▼	CD4049BY	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K0768	Δ001AC	Inverting Hex Buffer/Converter.
57▼	CD4050BD	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K06145	Δ001AE	Non-Inverting Hex Buffer/Converter.
58▼	CD4050BE	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K06145	Δ001AC	Non-Inverting Hex Buffer/Converter.
59▼	CD4050BF	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K06145	Δ001AC	Non-Inverting Hex Buffer/Converter.
60▼	CD4050BK	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K06145	Δ004AG	Non-Inverting Hex Buffer/Converter.
61▼	CD4050BY	7		MOS	15%	.05*†	0.0	15	200m	-55	125	K06145	Δ001AC	Non-Inverting Hex Buffer/Converter.
62	MM54C14D	9		MOS						-55	125	K09116	M297a	Hex Schmitt Trigger.
63	MM74C14N	9		MOS						0	70	K09116	M344	Hex Schmitt Trigger.
64▼#	TAA560	9		MON			0.0	2.5	120m	-20	60	K09118	CN71c	Level Detector;IO 50mA max.
65	W501	9	2.0M	PCB			15	10	525m	-20	65	K0921	CB31	-IN equals GND out;GND IN equals -3Vout.
66	MC9709P	9	18M%	MON			0.0	3.6	95mt	15	55	K09102	TO116	Quad Schmitt Trigger;RTL;tr And tf 20ns.
67	MC9809P	9	18M%	MON			0.0	3.6	95mt	0	75	K09102	TO116	Quad Schmitt Trigger;RTL;tr and tf 20ns.
68	ULN3303M	9		MON	.56%	.58*	0.0	5.0	750m	-40	100	K09111	M391	Threshold Detector w/Complementary Outputs
69	ULN3304M	9		MON	.56%	.58*	0.0	5.0	750m	-40	100	K09112	M391	Detector w/Zener Clamped Output.
70	ULN3305M	9		MON	.56%	.58*	0.0	5.0	750m	-40	100	K09111a	M391	Dual Detector w/Complementary Outputs.
71	ULN3306M	9		MON	.56%	.58*	0.0	5.0	750m	-40	100	K09112a	M391	Dual Detectorw/1 Out Zener Clamp.
72	MC1035P	9		MON	-.75%	-1.6*	5.2	0.0	300mt	0	75	K15159	TO116	Dual Schmitt Trigger/Triple Diff. Amp.
73	MC1235F	9		MON	-.75%	-1.6*	5.2	0.0	300mt	-55	125	K15159	TO86	Dual Schmitt Trigger/Triple Diff. Amp.
74	MC1235L	9		MON	-.75%	-1.6*	5.2	0.0	300mt	-55	125	K15159	TO116	Dual Schmitt Trigger/Triple Diff. Amp.
75	SNG83J	9		MON	1.4	.80	0.0	5.0	15m	0	75	K0944	M157b	Fan Out 5;Vout 3.3;250m resp;tpd 12ns.
76	SNG83W	9		MON	1.4	.80	0.0	5.0	15m	0	75	K0944	Δ004AF	Fan Out 5;Vout 3.3;250m resp;tpd 12ns.
77	SNG80J	9	20M	MON	1.4	.80	0.0	5.0	15m	-55	125	K0944	M157b	Fan Out 12;Vout 3.3;250m resp;tpd 12ns.
78	SNG80W	9	20M	MON	1.4	.80	0.0	5.0	15m	-55	125	K0944	Δ004AF	Fan Out 12;Vout 3.3;250m resp;tpd 12ns.
79	SNG81J	9	20M	MON	1.4	.80	0.0	5.0	15m	-55	125	K0944	M157b	Fan Out 6;Vout 3.3;250m resp;tpd 12ns.
80	SNG81W	9	20M	MON	1.4	.80	0.0	5.0	15m	-55	125	K0944	Δ004AF	Fan Out 6;Vout 3.3;250m resp;tpd 12ns.
81	SNG82J	9	20M	MON	1.4	.80	0.0	5.0	15m	0	75	K0944	M157b	Fan Out 10;Vout 3.3;250m resp;tpd 12ns.
82	SNG82W	9	20M	MON	1.4	.80	0.0	5.0	15m	0	75	K0944	Δ004AF	Fan Out 10;Vout 3.3;250m resp;tpd 12ns.
83	TRWG80#1	9	20M	MON	1.4	.80	0.0	5.0	15m	-55	125	K0944	M157	Fan Out 12;Vout 3.3V;250m resp.
84	TRWG80#2	9	20M	MON	1.4	.80	0.0	5.0	15m	-55	125	K0944	M126	Fan Out 12;Vout 3.3V;250m resp.
85	DM5413J	9		MON	1.7	.90	0.0	5.0	84mt	-55	125	K09104	M294b	Dual;Hysteresis 800mV;tpd 27ns max.
86	DM5413N	9		MON	1.7	.90	0.0	5.0	84mt	-55	125	K09104	M344	Dual;Hysteresis 800mV;tpd 27ns max.
87	DM5413W	9		MON	1.7	.90	0.0	5.0	84mt	-55	125	K09104	FP97a	Dual;Hysteresis 800mV;tpd 27ns max.
88	DM5414J	9		MON	1.7	.90	0.0	5.0	125mt	-55	125	K09106b	M294b	Hex;Hysteresis 800mV;tpd 22ns max.
89	DM5414N	9		MON	1.7	.90	0.0	5.0	125mt	-55	125	K09106b	M344	Hex;Hysteresis 800mV;tpd 22ns max.
90	DM5414W	9		MON	1.7	.90	0.0	5.0	125mt	-55	125	K09106b	FP97a	Hex;Hysteresis 800mV;tpd 22ns max.
91	DM7413J	9		MON	1.7	.90	0.0	5.0	84mt	0	70	K09104	M294b	Dual;Hysteresis 800mV;tpd 27ns max.
92	DM7413N	9		MON	1.7	.90	0.0	5.0	84mt	0	70	K09104	M344	Dual;Hysteresis 800mV;tpd 27ns max.
93	DM7414J	9		MON	1.7	.90	0.0	5.0	125mt	0	70	K09106b	M294b	Hex;Hysteresis 800mV;tpd 22ns max.
94	DM7414N	9		MON	1.7	.90	0.0	5.0	125mt	0	70	K09106b	M344	Hex;Hysteresis 800mV;tpd 22ns max.
95	DM7414W	9		MON	1.7	.90	0.0	5.0	125mt	0	70	K09106b	FP97a	Hex;Hysteresis 800mV;tpd 22ns max.
96	DM54132J	9		MON	1.7	.90	0.0	5.0	100mt	-55	125	K09106a	M294b	Quad;Hysteresis 800mV;tpd 22ns max.
97	DM54132N	9		MON	1.7	.90	0.0	5.0	100mt	-55	125	K09106a	M344	Quad;Hysteresis 800mV;tpd 22ns max.
98	DM54132W	9		MON	1.7	.90	0.0	5.0	100mt	-55	125	K09106a	FP97a	Quad;Hysteresis 800mV;tpd 22ns max.
99	DM74132J	9		MON	1.7	.90	0.0	5.0	100mt	0	70	K09106a	M294b	Quad;Hysteresis 800mV;tpd 22ns max.
100	DM74132N	9		MON	1.7	.90	0.0	5.0	100mt	0	70	K09106a	M344	Quad;Hysteresis 800mV;tpd 22ns max.
101	DM74132W	9		MON	1.7	.90	0.0	5.0	100mt	0	70	K09106a	FP97a	Quad;Hysteresis 800mV;tpd 22ns max.
102▼#	FLH351-7414	9		MON	1.7	.90	0.0	5.0	300m§	0	70	K09104	M126p	Six NAND;tpd 27ns max;FO 20 max.
103▼#	FLH355-8414	9		MON	1.7	.90	0.0	5.0	300m§	25	85	K09104	M126p	Six NAND;tpd 27ns max;FO 20 max.
104♦#	FLH601-74132	9		MON	1.7	.90	0.0	5.0	200m§	0	70	K09109	M126p	Quad NAND;tpd 27ns max;FO 20 max.
105♦#	FLH605-84132	9		MON	1.7	.90	0.0	5.0	200m§	-25	85	K09109	M126p	Quad NAND;tpd 27ns max;FO 20 max.
106▼#	GFB7413	9		MON	1.7	.90	0.0	5.0	85mt	0	70	K09106	TO116	Fan Out 10 max;tpd 17ns;Hysteresis 800mV.
107#	M53213P	9		MON	1.7	.90	0.0	5.0	180m%	0	75		M105j	tpd(1) 35ns max;Hysteresis 800mV.
108	SN5413N	9		MON	1.7	.90	0.0	5.0	180m%	-55	125		M126a	tpD(1) 35ns max;Hysteresis 800mV.
109♦#	FLH351-7413	9	10M%	MON	1.7	.90	0.0	5.0	160m§	0	70	K09104	M126p	Dual Nand;tpd 27ns max;FO 20 max.
110♦#	FLH355-8413	9	10M%	MON	1.7	.90	0.0	5.0	160m§	-25	85	K09104	M126p	Dual Nand;tpd 27ns max;FO 20 max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SN7413N	9	20M	MON	1.7	.90	0.0	5.0	180m%	0	70	K09105	M126e	Dual 4-in TTL Schmitt 800mV Hysteresis.
2	624	9	5.0MΔ	PCB	2.0%	.45*	12	12		0	70	K0937	CB50	4 Ckt; Trigger Level ± 5V.
3	848Δ	9	5.0MΔ	PCB	2.0%	.45*	12	12		0	70	K0938	CB50	2 Ckts,Trigger Level ±5.0V
4#	SFC4132E	9		MON	2.0%	.70*	0.0	5.0	170m	0	70	K09106a	TO116	Quad NAND TTL Schmidt;tpd 35ns max
5#	SFC4132EM	9		MON	2.0%	.70*	0.0	5.0	170m	-55	125	K09106a	TO116	Quad NAND TTL Schmidt;tpd 35ns max.
6#	SFC4132ET	9		MON	2.0%	.70*	0.0	5.0	170m	-25	85	K09106a	TO116	Quad NAND TTL Schmidt;tpd 35ns max.
7#	SFC4132KM	9		MON	2.0%	.70*	0.0	5.0	170m	-55	125	K09106a	TO116	Quad NAND TTL Schmidt;tpd 35ns max.
8#	SFC4132PM	9		MON	2.0%	.70*	0.0	5.0	170m	-55	125	K09106a	TO85	Quad NAND TTL Schmidt;tpd 35ns max.
9#	M53214P	9		MON	2.0%	.80*	0.0	5.0	153m%	0	75	K06142a	M105j	Hex Schmitt Trigger.
10#	M53332P	9		MON	2.0%	.80*	0.0	5.0	102m%	0	75	K06142	M105j	Quad 2 Input NAND Schmitt Trigger.
11#	MIC5413J	9		MON	2.0%	.80*	0.0	5.0	85mt	-55	125	K09104	TO116	Dual Nand 4 Input;tpd 17ns;Fan Out 10.
12#	MIC6413J	9		MON	2.0%	.80*	0.0	5.0	85mt	-40	85	K09104	TO116	Dual Nand 4 Input;tpd 17ns;Fan Out 10.
13#	MIC7413J	9		MON	2.0%	.80*	0.0	5.0	85mt	0	75	K09104	TO116	Dual Nand 4 Input;tpd 17ns;Fan Out 10.
14♦#	MIC7413N	9		MON	2.0%	.80*	0.0	5.0	85mt	0	75	K09104	M126x	Dual Nand 4 Input;tpD 17ns;Fan Out 10.
15▼#	FLH731-49713	9		MON	2.4%	.40t*	0.0	5.0	160m§	0	70	K09104	M126p	Dual Nand;tpd 50ns max;Inpl 10uA max.
16▼#	FLH731T49713S1	9		MON	2.4%	.40t*	0.0	5.0	160m§	0	70	K09104	M126p	Dual Nand;tpd 50ns max;Inpl 50uA max.
17▼#	FLH735-49813	9		MON	2.4%	.40t*	0.0	5.0	160m§	-25	85	K09104	M126p	Dual Nand;tpd 50ns max;Inpl 10uA max.
18▼#	FLH735T49813S1	9		MON	2.4%	.40t*	0.0	5.0	160m§	-25	85	K09104	M126p	Dual Nand;tpd 50ns max;Inpl 50uA max.
19▼	N7413A	9		MON	2.4%	.40*†	0.0	5.0	160m§	0	70	K09105	M318	Dual NAND;tpd 27ns max;FO 20 max.
20▼	N7413F	9		MON	2.4%	.40*†	0.0	5.0	160m§	0	70	K09105	M257f	Dual NAND;tpd 27ns max;FO 20 max.
21▼	N7414A	9		MON	2.4%	.40*†	0.0	5.0	300m§	0	70	K09117	M318	Hex;tpd 22ns max;FO 20 max.
22▼	N7414F	9		MON	2.4%	.40*†	0.0	5.0	300m§	0	70	K09117	M257f	Hex;tpd 22ns max;FO 20 max.
23▼	N7414W	9		MON	2.4%	.40*†	0.0	5.0	300m§	0	70	K09117	FP39e	Hex;tpd 22ns max;FO 20 max.
24▼	N74132A	9		MON	2.4%	.40*†	0.0	5.0	200m§	0	70	K09109	M318	Quad;tpd 22ns max;FO 20 max.
25▼	N74132F	9		MON	2.4%	.40*†	0.0	5.0	200m§	0	70	K09109	M257f	Quad;tpd 22ns max;FO 20 max.
26▼	N74132W	9		MON	2.4%	.40*†	0.0	5.0	200m§	0	70	K09109	FP39e	Quad;tpd 22ns max;FO 20 max.
27▼	S5413A	9		MON	2.4%	.40*†	0.0	5.0	160m§	-55	125	K09105	M318	Dual NAND;tpd 27ns max;FO 20 max.
28▼	S5413F	9		MON	2.4%	.40*†	0.0	5.0	160m§	-55	125	K09105	M257f	Dual NAND;tpd 27ns max;FO 20 max.
29▼	S5413W	9		MON	2.4%	.40*†	0.0	5.0	160m§	-55	125	K09105	FP39e	Dual NAND;tpd 27ns max;FO 20 max.
30▼	S5414A	9		MON	2.4%	.40*†	0.0	5.0	300m§	-55	125	K09117	M318	Hex;tpd 22ns max;FO 20 max.
31▼	S5414F	9		MON	2.4%	.40*†	0.0	5.0	300m§	-55	125	K09117	M257f	Hex;tpd 22ns max;FO 20 max.
32▼	S5414W	9		MON	2.4%	.40*†	0.0	5.0	300m§	-55	125	K09117	FP39e	Hex;tpd 22ns max;FO 20 max.
33▼	S54132A	9		MON	2.4%	.40*†	0.0	5.0	200m§	-55	125	K09109	M318	Quad;tpd 22ns max;FO 20 max.
34▼	S54132F	9		MON	2.4%	.40*†	0.0	5.0	200m§	-55	125	K09109	M257f	Quad;tpd 22ns max;FO 20 max.
35▼	S54132W	9		MON	2.4%	.40*†	0.0	5.0	200m§	-55	125	K09109	FP39e	Quad;tpd 22ns max;FO 20 max.
36#	SFC413E	9		MON	2.4	.40	0.0	5.0		0	70		TO116	Dual 4 in TTL Schmitt 800mV hysteresis.
37#	SFC413EM	9		MON	2.4	.40	0.0	5.0		-55	125		TO116	Dual 4 in TTL Schmitt 800mV hysteresis.
38#	SFC413ET	9		MON	2.4	.40	0.0	5.0		-25	85		TO116	Dual 4 in TTL Schmitt 800mV hysteresis.
39#	SFC413PM	9		MON	2.4	.40	0.0	5.0		-55	125		TO85	Dual 4 in TTL Schmitt 800mV hysteresis.
40	SN54132J	9		MON	2.4%	.40*	0.0	5.0	102mt	-55	125	K09109	M157b	Quad 2 Inp Pos-NAND;Hysteresis 800mV.
41	SN54132W	9		MON	2.4%	.40*	0.0	5.0	102mt	-55	125	K09109	Δ004AA	Quad 2 Inp Pos-NAND;Hysteresis 800mV.
42	SN74132J	9		MON	2.4%	.40*	0.0	5.0	102mt	0	70	K09109	M157b	Quad 2 Inp Pos-NAND;Hysteresis 800mV.
43	SN74132N	9		MON	2.4%	.40*	0.0	5.0	102mt	0	70	K09109	M126e	Quad 2 Inp Pos-NAND;Hysteresis 800mV.
44	SW7413J	9		MON	2.4	.40	0.0	5.0	168m	0	70	K09105	TO116	Dual Schmitt Nand Gate.
45	SW7413N	9		MON	2.4	.40	0.0	5.0	168m	0	70	K09105	M105n	Dual Schmitt Nand Gate.
46	SN5413J	9	20M	MON	2.4	.40	0.0	5.0	176m	-55	125	K09105	M157b	Dual 4-in TTL Schmitt 800mV Hysteresis.
47	SN5413W	9	20M	MON	2.4	.40	0.0	5.0	126m	-55	125	K09105	Δ004AA	Dual 4-in TTL Schmitt 800mV Hysteresis.
48	SN7413J	9	20M	MON	2.4	.40	0.0	5.0	168m	0	70	K09105	M157b	Dual 4-in TTL Schmitt 800mV Hysteresis.
49	SN7413W	9	20M	MON	2.4	.40	0.0	5.0	168m	0	70	K09105	Δ004AD	Dual 4 in TTL Schmitt 800mV Hysteresis.
50	TRW7413#1	9	20M	MON	2.4	.40	0.0	5.0	168m	0	70	K09105	M126	Dual 4 in TTL Schmidt;800mV Hysteresis.
51	TRW7413#2	9	20M	MON	2.4	.40	0.0	5.0	168m	0	70	K09105	M157	Dual 4 in TTL Schmidt;800mV Hysteresis.
52#	ZN5413J	9	20M	MON	2.4	.40	0.0	5.0	176m	-55	125	K09105	M257e	Dual 4-in TTL Schmitt;Hysteresis 800mV.
53#	ZN7413E	9	20M	MON	2.4	.40	0.0	5.0	168m	0	70	K09105	TO116	Dual 4-in TTL Schmitt;Hysteresis 800mV.
54#	ZN7413J	9	20M	MON	2.4	.40	0.0	5.0	168m	0	70	K09105	M257e	Dual 4-in TTL Schmitt;Hysteresis 800mV.
55#	ZN5413E	9	29M	MON	2.4	.40	0.0	5.0	176m	-55	125	K09105	TO116	Dual 4-in TTL Schmitt;Hysteresis 800mV.
56#	FCL101	9	5.0M	MON	2.5%	.4*†	0	6	19m	0	75	K0920a	TO116	Schmitt Trigger.
57	SN54S132J	9		MON	2.5%	.50*	0.0	5.0	180mt	-55	125	K09109	M157b	Quad 2 Inp Pos-NAND;Hysteresis 550mV.
58	SN54S132W	9		MON	2.5%	.50*	0.0	5.0	180mt	-55	125	K09109	Δ004AA	Quad 2 Inp Pos-NAND;Hysteresis 550mV.
59	SN74S132J	9		MON	2.7%	.50*	0.0	5.0	180mt	0	70	K09109	M157b	Quad 2 Inp Pos-NAND;Hysteresis 550mV.
60	SN74S132N	9		MON	2.7%	.50*	0.0	5.0	180mt	0	70	K09109	M126e	Quad 2 Inp Pos-NAND;Hysteresis 550mV.
61♦	MST2	9	2.0M	PCB	3.0%	.40*	16	16	520m	0	70	K0945	CB53	Two Schmitt Triggers
62▼	N74232A	9		MON	3.3	.22†	0.0	5.0	220m§	0	70	K09109	M318	Quad NOR;tpd 22ns max;FO 20 max.
63▼	N74232F	9		MON	3.3	.22†	0.0	5.0	220m§	0	70	K09109	M257f	Quad NOR;tpd 22ns max;FO 20 max.
64▼	N74232W	9		MON	3.3	.22†	0.0	5.0	220m§	0	70	K09109	FP39e	Quad NOR;tpd 22ns max;FO 20 max.
65▼	S54232A	9		MON	3.3	.22†	0.0	5.0	220m§	-55	125	K09109	M318	Quad NOR;tpd 22ns max;FO 20 max.
66▼	S54232F	9		MON	3.3	.22†	0.0	5.0	220m§	-55	125	K09109	M257f	Quad NOR;tpd 22ns max;FO 20 max.
67▼	S54232W	9		MON	3.3	.22†	0.0	5.0	220m§	-55	125	K09109	FP39e	Quad NOR;tpd 22ns max;FO 20 max.
68#	TL7413N	9		MON	3.3	.22†	0.0	5.0	168mt	0	70	K09104	M126n	Nand Schmitt Trigger;tpd 35ns max.
69	SN5414J	9		MON	3.4	.20†	0.0	5.0	150mt	-55	125	K09116	M157b	Hex Inverter;Hysteresis 800mV.
70	SN5414W	9		MON	3.4	.20†	0.0	5.0	150mt	-55	125	K09116	Δ004AA	Hex Inverter;Hysteresis 800mV.
71	SN7414J	9		MON	3.4	.20†	0.0	5.0	150mt	0	70	K09116	M157b	Hex Inverter;Hysteresis 800mV.
72	SN7414N	9		MON	3.4	.20†	0.0	5.0	150mt	0	70	K09116	M126e	Hex Inverter;Hysteresis 800mV.
73	SN54LS13J	9		MON	3.4	.25†	0.0	5.0	105m§	-55	125	K09113	M157b	Inverter;Hysteresis 800mV.
74	SN54LS13W	9		MON	3.4	.25†	0.0	5.0	105m§	-55	125	K09113	Δ004AA	Inverter;Hysteresis 800mV.
75	SN54LS14J	9		MON	3.4	.25†	0.0	5.0	105m§	-55	125	K09114	M157b	Inverter;Hysteresis 800mV.
76	SN54LS14W	9		MON	3.4	.25†	0.0	5.0	105m§	-55	125	K09114	Δ004AA	Inverter;Hysteresis 800mV.
77	SN54LS132J	9		MON	3.4	.25†	0.0	5.0	70m§	-55	125	K09114b	M157b	Positive NAND Gate;Hysteresis 800mV.
78	SN54LS132W	9		MON	3.4	.25†	0.0	5.0	70m§	-55	125	K09114b	Δ004AA	Positive NAND Gate;Hysteresis 800mV.
79	SN74LS13J	9		MON	3.4	.25†	0.0	5.0	105m§	0	70	K09113	M157b	Inverter;Hysteresis 800mV.
80	SN74LS13N	9		MON	3.4	.25†	0.0	5.0	105m§	0	70	K09113	M126e	Inverter;Hysteresis 800mV.
81	SN74LS14J	9		MON	3.4	.25†	0.0	5.0	105m§	0	70	K09114	M157b	Inverter;Hysteresis 800mV.
82	SN74LS14N	9		MON	3.4	.25†	0.0	5.0	105m§	0	70	K09114	M126e	Inverter;Hysteresis 800mV.
83	SN74LS132J	9		MON	3.4	.25†	0.0	5.0	70m§	0	70	K09114b	M157b	Positive NAND Gate;Hysteresis 800mV.
84	SN74LS132N	9		MON	3.4	.25†	0.0	5.0	70m§	0	70	K09114b	M126e	Positive NAND Gate;Hysteresis 800mV.
85	MST1	9	5.0M	PCB	4.0%	.5*†	5	5		0	70	K09101	CB37c	Schmitt Trigger
86	541	9	5.0M	PCB	5.0	.45	0	5		0	70	K0946	CB55	
87	LCE311	9	3.0M	MOH	6.0	0.0†	6	12	180m	-40	100	K0922	CN27	tr-15ns; tf-15ns.
88	367AJ	9		MON	6.5*	5.0%	0.0	15	864mt	-30	70	K09108	M319	Quad;Active Pullup;Isink 20mA max.
89	367AL	9		MON	6.5*	5.0%	0.0	15	864mt	-30	70	K09108	M200j	Quad;Active Pullup;Isink 20mA max.
90	367BL	9		MON	6.5*	5.0%	0.0	12	468mt	-30	85	K09108	M200j	Quad;Active Pullup;Isink 20mA max.
91	367CJ	9		MON	6.5*	5.0%	0.0	12	468mt	-30	85	K09108	M319	Quad;Active Pullup;Isink 20mA max.
92	367CL	9		MON	6.5*	5.0%	0.0	12	468mt	-30	85	K09108	M200j	Quad;Active Pullup;Isink 20mA max.
93	367ML	9		MON	6.5*	5.0%	0.0	15	864mt	-30	70	K09108	M200j	Quad;Active Pullup;Isink 20mA max.
94	368AJ	9		MON	6.5*	5.0%	0.0	15	800mt	-30	70	K09108	M319	Quad;Open Collector;Isink 20mA max.
95	368AL	9		MON	6.5*	5.0%	0.0	15	800mt	-30	70	K09108	M200j	Quad;Open Collector;Isink 20mA max.
96	368BL	9		MON	6.5*	5.0%	0.0	12	429mt	-55	125	K09108	M200j	Quad;Open Collector;Isink 20mA max.
97	368CJ	9		MON	6.5*	5.0%	0.0	12	429mt	-30	85	K09108	M319	Quad;Open Collector;Isink 20mA max.
98	368CL	9		MON	6.5*	5.0%	0.0	12	429mt	-30	85	K09108	M200j	Quad;Open Collector;Isink 20mA max.
99	368ML	9		MON	6.5*	5.0%	0.0	15	800mt	-55	125	K09108	M200j	Quad;Open Collector;Isink 20mA max.
100♦#	FZH241	9	500k%	MON	7.5%	4.5*	0.0	12	151m§	0	70	K09107	M117aa	Dual;Nand Schmitt Trigger.
101♦#	FZH245	9	500k%	MON	7.5%	4.5*	0.0	12	151m§	-25	85	K09107	M117aa	Dual;Nand Schmitt Trigger.
102	HD1-54C14	9		MOS	8.0%	2.0*	0.0	10	10n%	-55	125	K09117	M126v	Hex Schmitt Trigger.
103	HD1-74C14	9		MOS	8.0%	2.0*	0.0	10	10n%	-40	85	K09117	M126v	Hex Schmitt Trigger.
104	HD9-54C14	9		MOS	8.0%	2.0*	0.0	10	10n%	-55	125	K09117	TO86	Hex Schmitt Trigger.
105	HD9-74C14	9		MOS	8.0%	2.0*	0.0	10	10n%	-40	85	K09117	TO86	Hex Schmitt Trigger.
106	CD4093BH	9		MOS	9.99%	.01*†	0.0	10	200m	-55	125	K09115	FC☑	COS/MOS Quad 2-Input NAND Schmitt Trigger.
107♦	MC14583AL	9		MOS	9.99%	.01*†	0.0	10	1.0u%	-55	125	K09110	M200aa	Dual;Output Rise and Fall times 100nsΔ.
108♦	MC14583CL	9		MOS	9.99%	.01*†	0.0	10	10u%	-40	85	K09110	M200aa	Dual;Output Rise and Fall times 150nsΔ.
109	MC14583CP	9		MOS	9.99%	.01*†	0.0	10	10u%	-40	85	K09110	M278	Dual;Output Rise and Fall times 150nsΔ.
110	T306	9	5.0M	3DM	-3.0	-11	12	0	215m	-55	71	K0914	M17	Squaring Amplifier

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	CD4093BD	9		MOS	10	0.0	0.0	10	200m	-55	125	K09115	Δ001AD	COS/MOS Quad 2-Input NAND Schmitt Trigger.
2	CD4093BE	9		MOS	10	0.0	0.0	10	200m	-40	85	K09115	Δ001AB	COS/MOS Quad 2-Input NAND Schmitt Trigger.
3	CD4093BF	9		MOS	10	0.0	0.0	10	200m	-55	125	K09115	Δ001AB	COS/MOS Quad 2-Input NAND Schmitt Trigger.
4	CD4093BK	9		MOS	10	0.0	0.0	10	200m	-55	125	K09115	Δ004AF	COS/MOS Quad 2-Input NAND Schmitt Trigger.
5	MC679BL,P%	10		MON		1.0*†	0.0	15	280m†	-30	75	K1039	TO116	Dual Lamp/Relay Driver;to 500ns;FO125.
6	MC679L,P%	10		MON		1.0*†	0.0	15	280m†	-30	75	K1039	TO116	Dual Lamp/Relay Driver;td 500ns;FO 125.
7	MC316F	10		MON	-.75	-1.6	5.2	0.0	105m	-55	125	K101	TO91	Lamp Driver;6.0V;OR,NOR Available.
8	MC316G	10		MON	-.75	-1.6	5.2	0.0	105m	-55	125	K101	CN9	Lamp Driver;6.0V;OR,NOR Available.
9	MC366F	10		MON	-.75	-1.6	5.2	0.0	105m	0	75	K1031	TO91	Lamp Driver;6.0V;OR,NOR Available.
10	MC366G	10		MON	-.75	-1.6	5.2	0.0	105m	0	75	K1031	CN8	Lamp Driver;6.0V;OR,NOR Available.
11	SW729-1P	10		MON	1.8%	1.2*	0.0	5.0	44m†	-55	125	K1020	TO116	Lamp Driver;DTL
12	SW729-1T	10		MON	1.8%	1.2*	0	8	44m	-55	125	K1020	CN39	Lamp Driver;DTL
13	SW729-2M	10		MON	1.8%	1.2*	0.0	5.0	44m†	0	75	K1020	M105n	Lamp Driver;DTL
14	SW729-2P	10		MON	1.8%	1.2*	0.0	5.0	44m†	0	75	K1020	TO116	Lamp Driver;DTL
15#	ZST2	10	2.5M%	MON	3.0	1.8%	0	4	210m	40	125	K1029	CN2	
16	RG7523K	10		MON	3.4	.20	0	5.0	120m	0	75		FP21b	Lamp Driver;tpd-15nsec;Noise Margin-1.1V.
17	RG7520D	10	20M	MON	3.4	.40	0.0	5.0	120m†	-55	125	K1039a	M105m	Fo 60mA min;Ton 25ns max;Toff 18ns max.
18	RG7520K	10	20M	MON	3.4	.40	0.0	5.0	120m†	-55	125	K1039a	FP21b	Fo 60mA min;Ton 25ns max;Toff 18ns max.
19	RG7521D	10	20M	MON	3.4	.40	0.0	5.0	120m†	-55	125	K1039a	M105m	Fo 60mA min;Ton 25ns max;Toff 18ns max.
20	RG7521K	10	20M	MON	3.4	.40	0.0	5.0	120m†	-55	125	K1039a	FP21b	Fo 60mA min;Ton 25ns max;Toff 18ns max.
21	RG7522D	10	20M	MON	3.4	.40	0.0	5.0	120m†	0	75	K1039a	M105m	Fo 60mA min;Ton 25ns max;Toff 18ns max.
22	RG7522K	10	20M	MON	3.4	.40	0.0	5.0	120m†	0	75	K1039a	FP21b	Fo 60mA min;Ton 25ns max;Toff 18ns max.
23	RG7523D	10	20M	MON	3.4	.40	0.0	5.0	120m†	0	75	K1039a	M105m	Fo 60mA min;Ton 25ns max;Toff 18ns max.
24	RG7540D	10	20M	MON	3.4	.40	0.0	5.0	60m†	-55	125	K1039b	M105m	Fo 60mA min;Ton 25ns max;toff 18ns max.
25	RG7540K	10	20M	MON	3.4	.40	0.0	5.0	60m†	-55	125	K1039b	FP21b	Fo 60mA min;Ton 25ns max;toff 18ns max.
26	RG7541D	10	20M	MON	3.4	.40	0.0	5.0	60m†	-55	125	K1039b	M105m	Fo 60mA min;Ton 25ns max;toff 18ns max.
27	RG7541K	10	20M	MON	3.4	.40	0.0	5.0	60m†	-55	125	K1039b	FP21b	Fo 60mA min;Ton 25ns max;toff 18ns max.
28	RG7542D	10	20M	MON	3.4	.40	0.0	5.0	60m†	0	75	K1039b	M105m	Fo 60mA min;Ton 25ns max;toff 18ns max.
29	RG7542K	10	20M	MON	3.4	.40	0.0	5.0	60m†	0	75	K1039b	FP21b	Fo 60mA min;Ton 25ns max;toff 18ns max.
30	RG7543D	10	20M	MON	3.4	.40	0.0	5.0	60m†	0	75	K1039b	M105m	Fo 60mA min;Ton 25ns max;toff 18ns max.
31	RG7543K	10	20M	MON	3.4	.40	0.0	5.0	60m†	0	75	K1039b	FP21b	Fo 60mA min;Ton 25ns max;toff 18ns max.
32	I401	10	5.0M	PCB	5.0	0.0	4.8	5.2	250m	0	70	K1035	CBØ	5 Ckts;Max Lamp On Current-250mA at 32V.
33	831Ø	10	100k	PCB	5.0	.45	0.0	5.0		0	70	K1022	CB50	1 Ckt;BCD Counter and Decoder included.
34	831B	10	100k	PCB	5.0	.45	0.0	5.0		0	70	K1022	CB50	1 Ckt;BCD Counter and Decoder included.
35	TNG5611F	10		MON	5.0	.60	0.0	5.0	60m†	-55	125	K1040	FP21c	Dual;tpd 14ns typ.
36	TNG5611J	10		MON	5.0	.60	0.0	5.0	60m†	-55	125	K1040	TO116	Dual;tpd 14ns typ.
37	TNG5612F	10		MON	5.0	.60	0.0	5.0	60m†	0	75	K1040	FP21c	Dual;tpd 14ns typ.
38	TNG5612J	10		MON	5.0	.60	0.0	5.0	60m†	0	75	K1040	TO116	Dual;tpd 14ns typ.
39	TNG5613F	10		MON	5.0	.60	0.0	5.0	60m†	-55	125	K1040	FP21c	Dual;tpd 14ns typ.
40	TNG5613J	10		MON	5.0	.60	0.0	5.0	60m†	-55	125	K1040	TO116	Dual;tpd 14ns typ.
41	TNG5614F	10		MON	5.0	.60	0.0	5.0	60m†	0	75	K1040	FP21c	Dual;tpd 14ns typ.
42	TNG5614J	10		MON	5.0	.60	0.0	5.0	60m†	0	75	K1040	TO116	Dual;tpd 14ns typ.
43	W050	10	2.0M	PCB	-3.0	0.0	15	10	116m	-20	55	K1011a	CB31	7 Ckts; 30mA Out max. each Ckt.
44	W051	10	5.0M	PCB	-3.0	0.0	15	10	375m	-20	55	K1011	CB31	7 Ckts;100mA Out max. each ckt;Inverting
45▼	9664ADC	11		MON			0.0	7.5	800m	0	70	K0574	TO116	Hex-MOS-LED Segment Driver 20V.
46▼	9664APC	11		MON			0.0	7.5	800m	0	70	K0574	M126w	Hex-MOS-LED Segment Driver 20V.
47▼	9664BDC	11		MON			0.0	7.5	800m	0	70	K0574	TO116	Hex-MOS-LED Segment Driver 30V.
48▼	9664BPC	11		MON			0.0	7.5	800m	0	70	K0574	TO116	Hex-MOS-LED Segment Driver 30V.
49▼	9664DC	11		MON			0.0	7.5	800m	0	70	K0574	TO116	Hex-MOS-LED Segment Driver 10V.
50▼	9664PC	11		MON			0.0	7.5	800m	0	70	K0574	M126w	Hex-MOS-LED Segment Driver 10V.
51▼	9665DC	11		MON			0.0	5.0	2.0	0	70		M200j	7 Segment Driver (50V).
52▼	9665PC	11		MON			0.0	5.0	2.0	0	70		M532	7 Segment Driver (50V).
53▼	9666DC	11		MON			0.0	5.0	2.0	0	70		M200j	7 Segment Driver (50V);CMOS.
54▼	9666PC	11		MON			0.0	5.0	2.0	0	70		M532	7 Segment Driver (50V);CMOS.
55▼	9667DC	11		MON			0.0	5.0	2.0	0	70		M200j	7 Segment Driver (50V);PMOS.
56▼	9667PC	11		MON			0.0	5.0	2.0	0	70		M532	7 Segment Driver (50V);PMOS.
57	DM7887J	11		MON			6.0	0.0		-55	125	K1173	M499	8-Digit High Voltage Anode Driver.
58	DM7897J	11		MON			60	0.0		-55	125	K1173	M499	8-Digit High Voltage Anode Driver.
59	DM8897J	11		MON			60	0.0		0	70	K1173	M499	8-Digit High Voltage Anode Driver.
60	DM8897N	11		MON			60	0.0		0	70	K1173	M347	8-Digit High Voltage Anode Driver.
61	DM75493J	11		MON			0.0	8.8		0	70	K1166	M200k	Quad LED Segment Driver.
62	DM75493N	11		MON			0.0	8.8		0	70	K1166	M345	Quad LED Segment Driver.
63	DM75494J	11		MON			0.0	8.8	70m	0	70	K1167	M200k	Hex Digit Driver.
64	DM75494N	11		MON			0.0	8.8	70m	0	70	K1167	M345	Hex Digit Driver.
65▼	DS7887J	11		MON			-60	0.0	600m	-55	127	K1173	M499	8-Digit Hi-Voltage Anode Driver.
66▼	DS7889J	11		MON			-180	0.0	600m	-55	127	K1173	M499	8-Digit Hi-Voltage Cathode Driver.
67▼	DS7897J	11		MON			-180	0.0	600m	-55	127	K1173	M499	8-Digit Hi-Voltage Anode Driver.
68▼	DS8651N	11		MON			0.0	2.7		0	70	K11119	M347	7-Segment LED Driver;Also Chip.
69▼	DS8659N	11		MON			0.0	2.7		0	70	K11119	M347	7-Segment LED Driver;Also Chip.
70▼	DS8889J	11		MON			-180	0.0	600m	0	70	K1173	M499	8-Digit Hi-Voltage Cathode Driver.
71▼	DS8889N	11		MON			-180	0.0	600m	0	70	K1173	M347	8-Digit Hi-Voltage Cathode Driver.
72▼	DS75493J	11		MON			0.0	8.8	352u	0	70	K1166a	M200k	Quad LED Segment Driver.
73▼	DS75493N	11		MON			0.0	8.8	352u	0	70	K1166a	M345	Quad LED Segment Driver.
74	HXK21011	11		MOH			0	8	250m	-55	125	K1133	TO99	1 Ckt.;100V max. on Output.
75	HXK21019	11		MOH			0	8	250m	0	70	K1133	TO99	1 Ckt.;100V max. on Output.
76	MC75491L,P%	11		MOS			0.0	10	830m†	0	70	K15526	TO116	Quad LED Segment Driver.
77	UDN6144A	11		MON				110	640m	0	70	K1162	M298	4 Gas Disch Digit Drivers;PMOS Input.
78	UDN6164A	11		MON				110	640m	0	70	K1163	M328	6 Gas Disch Digit Drivers;PMOS Input.
79	UDN6184A	11		MON				110	640m	0	70	K1164	M489	8 Gas Disch Digit Drivers;PMOS Input.
80	UDN7183A	11		MON			110		640m	0	70	K1164a	M489	8 Gas Disch Segment Drivers;Iout 3.25mA.
81	UDN7184A	11		MON			110		640m	0	70	K1164a	M489	8 Gas Disch Segment Drivers;Iout 2mA.
82	UDN7186A	11		MON			110		640m	0	70	K1164a	M489	8 Gas Disch Segment Drivers;Iout 1mA.
83▼	XR2271CP	11		MON			40	0.0	625m	0	75	K1193	M200u	Fluorescent Display Driver.
84	ITT494	11		MON		.25†	0.0	4.0	32m§	0	70	K1167		Hex Digit Driver;ton 13ns;toff 40ns.
85▼	DS75494J	11		MON		.35*†	0.0	8.8	70m	0	70	K1167	M200k	Hex Digit Driver.
86▼	DS75494N	11		MON		.35*†	0.0	8.8	70m	0	70	K1167	M345	Hex Digit Driver.
87▼	DS8693N	11		MON		.50*†	0.0	11	1.9	0	70	K11112	M497	Printing Calculator Interface Set.
88▼	DS8871N	11		MON		.50*†	0.0	9.5	11m	0	70	K1171	M347	8-Digit Driver.
89▼	DS8872N	11		MON		.50*†	0.0	9.5	11m	0	70	K11110	M497	9-Digit Driver.
90▼	DS8873N	11		MON		.50*†	0.0	9.5	11m	0	70	K1170	M497	9-Digit Driver.
91▼	DS8892N	11		MON		.50*†	0.0	200		0	70	K11102	M345	Programmable Hex LED Digit Driver.
92▼	DS8977N	11		MON		.50*†	0.0	9.5	11m	0	70	K1172	M347	7-Digit Driver.
93▼	DS8658N	11		MON		.55*†	0.0	2.7		0	70	K11115	M344	4-Digit LED Driver;Also Chip.
94	DM75491J	11		MOS		.90†	0.0	10	800m	0	70	K1142	M294f	MOS-to-LED Quad Segment Driver.
95	DM75492J	11		MOS		.90†	0.0	10	800m	0	70	K1143	M294f	MOS-to-LED Hex Digit Driver.
96	ITT491	11		MON		.90†	0.0	10	800m	0	70	K1142		Quad Segment Driver;tpd 100ns.
97	ITT492	11		MON		.90†	0.0	10	800m	0	70	K1143		Hex Digit Driver;tpd 600ns.
98▼	DS8861N	11		MON		1.2*#	0.0	10	800m	0	70	K1142a	M347	MOS-to-LED 5-Segment Driver.
99▼	DS75491J	11		MON		1.2*#	0.0	10	600m	0	70	K11101	M257c	MOS-to-LED Quad Segment Driver.
100▼	DS75491N	11		MON		1.2*#	0.0	10	600m	0	70	K11101	M344	MOS-to-LED Quad Segment Driver.
101▼	DS75492J	11		MON		1.2*†	0.0	10	600m	0	70	K11108	M257c	MOS-to-LED Hex Digit Driver.
102▼	DS75492N	11		MON		1.2*†	0.0	10	600m	0	70	K11108	M344	MOS-to-LED Hex Digit Driver.
103	MC75492L,P%	11		MOS		1.2*†	0.0	10	830m†	0	70	K15527	TO116	Hex LED Digit Driver.
104▼	DS8863N	11		MON		1.5*†	0.0	10	800m	0	70	K1143a	M347	MOS-to-LED 8-Digit Driver.
105▼	DS8963N	11		MON		1.5*†	0.0	10	800m	0	70	K1143a	M347	MOS-to-LED 8-Digit Driver.
106▼	DS8868J	11		MON		1.6*†	0.0	10	800m	0	70	K11108	M499	12-Digit Decoder/Driver.
107▼	DS8868N	11		MON		1.6*†	0.0	10	800m	0	70	K11108	M347	12-Digit Decoder/Driver.
108▼	DS8870J	11		MON		1.6*†	0.0	10	800m	0	70	K1143	M257c	Hex LED Digit Driver.
109▼	DS8870N	11		MON		1.6*†	0.0	10	800m	0	70	K1143	M344	Hex LED Digit Driver.
110	ITT552	11		MON		1.6#*			1.1	0	85	K1187		High Current Hammer Driver.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	ITT554	11		MON		1.6#*			1.1	0	85	K1188		High Current Hammer Driver.
2	ITT556	11		MON		1.6#*			2.0	0	85	K1187		High Current Hammer Driver.
3▼	DS7891J	11		MON		-2.0*†	0.0	200		-55	125	K11103	M257c	6 Digit Anode Driver.
4▼	DS7891N	11		MON		-2.0*†	0.0	200		-55	125	K11103	M344	6 Digit Anode Driver.
5▼	DS8891J	11		MON		-2.0*†	0.0	200		0	70	K11103	M257c	6 Digit Anode Driver.
6▼	DS8891N	11		MON		-2.0*†	0.0	200		0	70	K11103	M344	6 Digit Anode Driver.
7▼	MC3494P	11		MON		-2.5*	5.0	0.0	830m	0	70	K1191	M278	7-Digit Gas-Discharge.
8▼	BIP9501	11	100k	3DM	0.0	-15		170		0	55	K1192	M520	Drive Numeric Neon Tube.
9▼	BIP9502	11	100k	3DM	0.0	-15		170		0	55	K1192	M520	Drive Alphanumeric Neon Tube.
10	MC1045P	11		MON	-.75%	-1.6*	5.2	0.0	178m†	0	75	K1137	M278	Decoder-Nixie Driver.
11	MC1245F	11		MON	-.75%	-1.6*	5.2	0.0	178m†	-55	125	K1137	FP85	Decoder-Nixie Driver.
12	MC1245L	11		MON	-.75%	-1.6*	5.2	0.0	178m†	-55	125	K1137	M191	Decoder-Nixie Driver.
13	BD5030	11		MON	1.1	.40*†	0.0	3.0	21m†	0	70	K1155	FC13a	Quad Watch Digit Driver.
14	BD5031	11		MON	1.8	.40*†	0.0	3.0	21m†	0	70	K1156	FC13	Quad High Current Watch Digit Driver.
15	NC2001C	11		MOH	1.95%	.45*	0.0	5.0	150m	0	70	K1135	TO100	High current lamp and relay driver.
16	NC2001	11		MOH	2.0%	.40*	0.0	5.0	150m	-55	125	K1135	TO100	High current lamp and relay driver.
17▼	DS8650DICE	11		MON	2.0%	.55*†	0.0	2.7	280m	0	70	K11121	FC20	4-Digit LED Driver;Also Chip.
18▼	DS8650N	11		MON	2.0%	.55*†	0.0	2.7	280m	0	70	K11120	M498	4-Digit LED Driver;Also Chip.
19	9368DC	11		MON	2.0%	.80*	0.0	5.0		0	70	K15549	M200j	7 Segment Decoder/Driver/Latch.
20	9369DC	11		MON	2.0%	.80*	0.0	5.0		0	70	K15549a	M200j	7 Segment Decoder/Driver/Latch.
21	9370DC	11		MON	2.0%	.80*	0.0	5.0		0	70	K15550	M200j	7 Segment Decoder/Driver/Latch.
22	DM7856J	11		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K1168	M200k	BCD-to-7-Segment LED Driver.
23	DM7856N	11		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K1168	M345	BCD-to-7-Segment LED Driver.
24	DM7856W	11		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K1168	FP98	BCD-to-7-Segment LED Driver.
25	DM7858J	11		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K1168	M200k	BCD-to-7-Segment LED Driver.
26	DM7858N	11		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K1168	M345	BCD-to-7-Segment LED Driver.
27	DM7858W	11		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K1168	FP98	BCD-to-7-Segment LED Driver.
28	DM7880J	11		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K1144	M200k	7 Segm.Decoder/Driver;tpd 10us max.
29	DM8856J	11		MON	2.0%	.80*	0.0	5.0	650m	0	70	K1168	M200k	BCD-to-7-Segment LED Driver.
30	DM8856N	11		MON	2.0%	.80*	0.0	5.0	650m	0	70	K1168	M345	BCD-to-7-Segment LED Driver.
31	DM8856W	11		MON	2.0%	.80*	0.0	5.0	650m	0	70	K1168	FP98	BCD-to-7-Segment LED Driver.
32	DM8857J	11		MON	2.0%	.80*	0.0	5.0	650m	0	70	K1168	M200k	BCD-to-7-Segment LED Driver.
33	DM8858J	11		MON	2.0%	.80*	0.0	5.0	650m	0	70	K1168	M200k	BCD-to-7-Segment LED Driver.
34	DM8858N	11		MON	2.0%	.80*	0.0	5.0	650m	0	70	K1168	M345	BCD-to-7-Segment LED Driver.
35	DM8858W	11		MON	2.0%	.80*	0.0	5.0	650m	0	70	K1168	FP98	BCD-to-7-Segment LED Driver.
36	DM8859J	11		MON	2.0%	.80*	0.0	5.0	250m	0	70	K1169	M200k	TTL Compatible Hex LED Driver.
37	DM8859N	11		MON	2.0%	.80*	0.0	5.0	250m	0	70	K1169	M345	TTL Compatible Hex LED Driver.
38	DM8869J	11		MON	2.0%	.80*	0.0	5.0	250m	0	70	K1169	M200k	TTL Compatible Hex LED Driver.
39	DM8869N	11		MON	2.0%	.80*	0.0	5.0	250m	0	70	K1169	M345	TTL Compatible Hex LED Driver.
40	DM8880J	11		MON	2.0%	.80*	0.0	5.0	600m	0	70	K1144	M200k	7 Segment Decoder/Driver;tpd 10us max.
41	DM8880N16	11		MON	2.0%	.80*	0.0	5.0	600m	0	70	K1144	M126e	7 Seg.Decoder/Driver;tpd 10us max.
42	DM8880N	11		MON	2.0%	.80*	0.0	5.0	600m	0	70	K1144	M345	7 Segm.Decoder/Driver;tpd 10us max.
43	DM8885J	11		MON	2.0%	.80*	0.0	5.0	600m	0	70	K1146	M200k	MOS to High Voltage Buffer;tpd 10us max.
44▼	DS7856J	11		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K1168	M200k	BCD-to-7 Segment LED Driver.
45▼	DS7856W	11		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K1168	FP98b	BCD-to-7 Segment LED Driver.
46▼	DS7858J	11		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K1168	M200k	BCD-to-7 Segment LED Driver.
47▼	DS7858W	11		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K1168	FP98b	BCD-to-7 Segment LED Driver.
48▼	DS7880J	11		MON	2.0%	.80*	0.0	5.0	215m	-55	125	K11105	M200k	7-Segment Decoder/Driver.
49▼	DS7885J	11		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K11123	M200k	MOS to Hi-Voltage Cathode Buffer.
50▼	DS8673J	11		MON	2.0%	.80*	0.0	5.0	250m	0	75	K11114	M200k	7-Segment Decoder/Driver/Latch.
51▼	DS8673N	11		MON	2.0%	.80*	0.0	5.0	250m	0	75	K11114	M345	7-Segment Decoder/Driver/Latch.
52▼	DS8674J	11		MON	2.0%	.80*	0.0	5.0	250m	0	75	K11114a	M200k	7-Segment Decoder/Driver/Latch.
53▼	DS8674N	11		MON	2.0%	.80*	0.0	5.0	250m	0	75	K11114a	M345	7-Segment Decoder/Driver/Latch.
54▼	DS8856J	11		MON	2.0%	.80*	0.0	5.0	600m	0	70	K1168	M200k	BCD-to-7 Segment LED Driver.
55▼	DS8856N	11		MON	2.0%	.80*	0.0	5.0	600m	0	70	K1168	M345	BCD-to-7 Segment LED Driver.
56▼	DS8857J	11		MON	2.0%	.80*	0.0	5.0	600m	0	70	K1168	M200k	BCD-to-7 Segment LED Driver.
57▼	DS8858J	11		MON	2.0%	.80*	0.0	5.0	600m	0	70	K1168	M200k	BCD-to-7 Segment LED Driver.
58▼	DS8858N	11		MON	2.0%	.80*	0.0	5.0	600m	0	70	K1168	M345	BCD-to-7 Segment LED Driver.
59▼	DS8880J	11		MON	2.0%	.80*	0.0	5.0	215m	0	70	K11105	M200k	7-Segment Decoder/Driver.
60▼	DS8880N	11		MON	2.0%	.80*	0.0	5.0	215m	0	70	K11105	M345	7-Segment Decoder/Driver.
61▼	DS8885J	11		MON	2.0%	.80*	0.0	5.0	600m	0	70	K11123	M200k	MOS to Hi-Voltage Cathode Buffer.
62▼	DS8885N	11		MON	2.0%	.80*	0.0	5.0	600m	0	70	K11123	M344	MOS to Hi-Voltage Cathode Buffer.
63♦	SN54143J	11	12MØ	MON	2.0%	.80*	0.0	5.0	280m%	-55	125	K11124	Δ015AA	4-Bit Counter/Latch,7-Seg Led/Driver.
64♦	SN54143W	11	12MØ	MON	2.0%	.80*	0.0	5.0	280m%	-55	125	K11124	Δ019AA	4-Bit Counter/Latch,7-Seg Led/Driver.
65♦	SN54144J	11	12MØ	MON	2.0%	.80*	0.0	5.0	280m%	-55	125	K11124	Δ015AA	4-Bit Counter/Latch,7-Seg Led/Driver.
66♦	SN54144W	11	12MØ	MON	2.0%	.80*	0.0	5.0	280m%	-55	125	K11124	Δ019AA	4-Bit Counter/Latch,7-Seg Led/Driver.
67♦	SN74143J	11	12MØ	MON	2.0%	.80*	0.0	5.0	280m%	0	70	K11124	Δ015AA	4-Bit Counter/Latch,7-Seg Led/Driver.
68♦	SN74143N	11	12MØ	MON	2.0%	.80*	0.0	5.0	280m%	0	70	K11124	M186	4-Bit Counter/Latch,7-Seg Led/Driver.
69♦	SN74144J	11	12MØ	MON	2.0%	.80*	0.0	5.0	280m%	0	70	K11124	Δ015AA	4-Bit Counter/Latch,7-Seg Led/Lamp Driver.
70♦	SN74144N	11	12MØ	MON	2.0%	.80*	0.0	5.0	280m%	0	70	K11124	M186	4-Bit Counter/Latch,7-Seg Led/Driver.
71▼#	FLL171-74143	11	18M%	MON	2.0%	.80*	0.0	5.0	465m§	0	70	K11124	M186	Bin Counter/Latch/Decod/Driver for LED.
72▼#	FLL171T74144	11	18M%	MON	2.0%	.80*	0.0	5.0	465m§	0	70	K11124	M186	Bin Counter/Latch/Decod/Driv;Vo 15V/24mA.
73▼#	FLL175-84143	11	18M%	MON	2.0%	.80*	0.0	5.0	465m§	-25	85	K11124	M186	Bin Counter/Latch/Decod/Driv fo LED.
74▼#	FLL175T84144	11	18M%	MON	2.0%	.80*	0.0	5.0	465m§	-25	85	K11124	M186	Bin Counter/Latch/Decod/Driv;Vo 15V/25mA.
75▼#	FLL151-74142	11	20M	MON	2.0%	.80*	0.0	5.0	510m§	0	70	K1194	M117w	Counter/Latch/Decoder/Driver Nixie Tubes.
76♦	SN74142J	11	20MΔ	MON	2.0%	.80*	0.0	5.0	340m†	0	70	K11125	M157b	BCD Counter/4-Bit Latch/BCD Decoder/Driver
77♦	SN74142N	11	20MΔ	MON	2.0%	.80*	0.0	5.0	340m†	0	70	K11125	M126e	BCD Counter/4-Bit Latch/BCD Decoder/Driver
78	DM8884AN	11		MON	2.0%	1.0*	0.0	5.0	600m	0	70	K1145	M347	High Volt.Decoder/Driver;tpd 10us max.
79▼	DS8884AN	11		MON	2.0%	1.0*	0.0	5.0	600m	0	70	K11104	M347	4 Line BCD Decoder/7-Segment Digit Driver.
80▼	DS8654N	11		MON	2.0%	31.5*†	0.0	33	600m	0	70	K11118	M347	8-Digit Driver w/Emitter/Follower Output.
81	NH0006	11		MOH	2.4	.80*	0.0	28	30m	-55	125	K1131	CN59	Relay/Lamp Driver.
82	NH0006C	11		MOH	2.4	.80*	0.0	28	30m	0	75	K1131	CN59	Relay/Lamp Driver.
83	L54	11			2.6%	.50*	0.0	5.0		0	60			
84	ITT500	11		MON	3.0	.40	0.0	15	800m	0	50	K1177		Hex Digit Driver;Inp Current 900uA max.
85▼	DS8874J	11		MON	3.0%	.80*	0.0	9.5	81m	0	70	K11107a	M257c	9-Digit Shift Input LED Drivers.
86▼	DS8874N	11		MON	3.0%	.80*	0.0	9.5	81m	0	70	K11107a	M344	9-Digit Shift Input LED Drivers.
87▼	DS8876J	11		MON	3.0%	.80*	0.0	6.0	54m	0	70	K11107	M257c	9-Digit Shift Input LED Drivers.
88▼	DS8876N	11		MON	3.0%	.80*	0.0	6.0	54m	0	70	K11107	M344	9-Digit Shift Input LED Drivers.
89▼	DS8879J	11		MON	3.0%	.80*	0.0	4.5	40m	0	70	K11107	M257c	9-Digit Shift Input LED Drivers.
90▼	DS8879N	11		MON	3.0%	.80*	0.0	4.5	40m	0	70	K11107	M344	9-Digit Shift Input LED Drivers.
91♦	MC3491P	11		MON	3.5*	1.0%	0.0	80	830m	0	70	K1147	M394	8-Segment Visual Display Driver.
92▼#	MSM552	11		MOS	3.6%	.80*	0.0	5.0	250u§	-20	70	K1195	M396a	Decade Counter/Latch/Decoder;tpd 2.0u max
93▼#	MSM561	11		MOS	3.6%	.80*	0.0	5.0	5.0m§	-20	70	K1199	M256a	BCD to 7 Seg Decoder/Driver/Latch for LED
94▼#	MSM5521	11		MOS	3.6%	.80*	0.0	5.0	250u§	-20	70	K1195a	M256a	Decade Counter/Latch/Decoder;tpd 2.0u max
95▼#	MSM5522	11		MOS	3.6%	.80*	0.0	5.0	250u§	-20	70	K1195a	M256a	Decade Counter/Latch/Decoder;tpd 2.0u max
96▼#	MSM5500	11	2.0M%Δ	MON	3.6%	.80*	0.0	5.0	5.0m§	-20	70	K1196	M256a	3.5-Digit Counter;tpd 2.0us max;FO 15 max
97▼#	MSM5502	11	2.0M%Δ	MON	3.6%	.80*	0.0	5.0	5.0m§	-20	70	K1197	M256a	4-Digit Counter;tpd 2.0us max;FO 15 max.
98▼	DS8973N	11		MON	3.9%	.50*	0.0	10	60m	0	70	K1170	M497	LED 9-Digit Driver.
99▼	DS8974N	11		MON	3.9%	.50*	0.0	4.5	27m	0	70	K1170	M497	LED 9-Digit Driver.
100▼	DS8976N	11		MON	3.9%	.50*	0.0	4.5	27m	0	70	K1170	M497	LED 9-Digit Driver.
101	DM8864N	11		MON	4.5%	.40*	0.0	5.0		0	70	K1170	M497	LED Cathode Driver.
102	DM8865N	11		MON	4.5%	.40*	0.0	5.0		0	70	K1171	M347	LED Cathode Driver.
103	DM8866N	11		MON	4.5%	.40*	0.0	5.0		0	70	K1172	M347	LED Cathode Driver.
104▼	DS8844N	11		MON	4.5%	.40*	0.0	7.0		0	70	K11109	M345	7-Digit LED Cathode Driver.
105▼	DS8855N	11		MON	4.5%	.40*	0.0	7.0		0	70	K11110	M497	9-Digit LED Cathode Driver.
106▼	DS8859J	11		MON	4.5%	.40*	0.0	5.0	250m	0	70	K1169	M200k	Open Collector Hex Latch LED Driver.
107▼	DS8859N	11		MON	4.5%	.40*	0.0	5.0	250m	0	70	K1169	M345	Open Collector Hex Latch LED Driver.
108▼	DS8864N	11		MON	4.5%	.40*	0.0	7.0		0	70	K1170	M497	9-Digit LED Cathode Driver.
109▼	DS8865N	11		MON	4.5%	.40*	0.0	7.0		0	70	K1171	M347	8-Digit LED Cathode Driver.
110▼	DS8866N	11		MON	4.5%	.40*	0.0	7.0		0	70	K1172	M347	7-Digit LED Cathode Driver.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	DS8869J	11		MON	4.5%	.40*	0.0	5.0	250m	0	70	K1169	M200k	Open Collector Hex Latch LED Driver.
2▼	DS8869N	11		MON	4.5%	.40*	0.0	5.0	250m	0	70	K1169	M345	Open Collector Hex Latch LED Driver.
3▼#	MSM5509	11		MOS	4.5%	1.0*	0.0	6.0	12m§	-20	70	K1198	M396a	LED Driving CMOS Dig Clock LSI.
4▼	DS8867N	11		MON	4.9	.80*	0.0	6.0	1.0	0	70	K11122	M347	8-Segment Driver.
5	I313	11	5.0M	PCB	5.0	0.0	0.0	5.0	240m%			K1136	CB☑	Nixie driver; input load factor 1.
6	I406	11	5.0M	PCB	5.0	0.0	4.8	5.2	100m	0	70	K1132	CB☑	5 Ckts;Max.Lamp Current-10mA at 120V.
7	831A	11	100k	PCB	5.0	.45	0.0	5.0		0	70	K1128	CB50	1 Ckt;BCD Counter and Decoder Included.
8▼	DS8877J	11		MON	5.0%	1.2*	0.0	10		0	70	K11106	M257c	6-Digit LED Driver.
9▼	DS8877N	11		MON	5.0%	1.2*	0.0	10		0	70	K11106	M344	6-Digit LED Driver.
10▼	DS7895J	11		MON	6.5%	1.3*	0.0	8.8	44m	-55	125	K1166	M200k	Quad LED Segment Driver.
11▼	DS8895J	11		MON	6.5%	1.3*	0.0	8.8	35m	0	70	K1166	M200k	Quad LED Segment Driver.
12▼	DS8895N	11		MON	6.5%	1.3*	0.0	8.8	35m	0	70	K1166	M345	Quad LED Segment Driver.
13▼	DS8655N	11		MON	7.5%	.50*†	0.0	10	600m	0	70	K11117	M497	1-Out-of-8 Segment Decoder/Driver.
14	ITT501	11		MON	8.5	.70	0.0	15	800m	0	50	K1178		Quad Segment Driver;Inp Current 2.0mA max
15	ITT506	11		MON	8.6	0.0	0.0	8.8	800m	0	50	K1179		Hex Digit Driver;Inp Current 2.0mA max.
16	ITT493	11		MON	8.8	0.0	0.0	8.8	13m§	0	70	K1166		Quad Segment Driver;tpd 300ns.
17	ITT502	11		MON	8.8	0.0	0.0	8.8	800m	0	50	K1179		Hex Digit Driver;Inp Current 2.0mA max.
18	ITT503	11		MON	8.8	0.0	0.0	8.8	800m	0	50	K1180		Quad Segment Driver;Inp Current 2.0mA max
19	ITT507	11		MON	8.8	0.0	0.0	8.8	800m	0	50	K1189		Quad Segment Driver;Inp Current 2.0mA max
20	ITT511	11		MON	8.8	0.0	0.0	8.8	800m	0	50	K1185		Quad Segment Driver;Inp Current 2.0mA max.
21	ITT517	11		MON	8.8	0.0	0.0	8.8	800m	0	50	K1189		Quad Segment Driver;Inp Current 2.0mA max.
22	ITT518	11		MON	8.8	0.0	0.0	8.8	800m	0	50	K1189		Quad Segment Driver;Inp Current 2.0mA max.
23	ITT522	11		MON	8.8	0.0	0.0	8.8	800m	0	50	K1189		Quad Segment Driver;Inp Current 2.0mA max.
24	ITT523	11		MON	8.8	0.0	0.0	8.8	800m	0	50	K1189		Quad Segment Driver;Inp Current 2.0mA max.
25	DM8887J	11		MON	-2.0%	-5.5*	60	0.0		0	70	K1173	M499	8-Digit High Voltage Anode Driver.
26	DM8887N	11		MON	-2.0%	-5.5*	60	0.0		0	70	K1173	M347	8-Digit High Voltage Anode Driver.
27▼	DS8887J	11		MON	-2.0%	-5.5*	-60	0.0	600m	0	70	K1173	M499	8-Digit Hi-Voltage Anode Driver.
28▼	DS8887N	11		MON	-2.0%	-5.5*	-60	0.0	600m	0	70	K1173	M347	8-Digit Hi-Voltage Anode Driver.
29▼	DS8897J	11		MON	-2.0%	-5.5*	-180	0.0	600m	0	70	K1173	M499	8-Digit Hi-Voltage Anode Driver.
30▼	DS8897N	11		MON	-2.0%	-5.5*	-180	0.0	600m	0	70	K1173	M347	8-Digit Hi-Voltage Anode Driver.
31	SN75481N	11		MOS	-3.5%	-53*†	0.0	-55	800m	0	70	K1161	M117x	Anode Driver for Gas Discharge Displays.
32▼	MC3490P	11		MON	-4.5%		5.0	0.0	830m	0	70	K1190	M278	7-Digit Gas-Discharge.
33	CD4054AD	11		MOS	10	0.0†	0.0	5.0	200m	-55	125	K1138	Δ001AE	CMS Liquid Crystal Display;tpd 900ns max.
34	CD4054AE	11		MOS	10	0.0†	0.0	5.0	200m	-40	85	K1138	Δ001AC	CMS Liquid Crystal Display;tpd 1.2us max.
35	CD4054AK	11		MOS	10	0.0†	0.0	5.0	200m	-55	125	K1138	Δ004AG	CMS Liquid Crystal Display;tpd 900ns max.
36	ITT508	11		MON	10	0.0	0.0	10	50m			K1183		Octal Digit Driver;ton,toff 5.0us max.
37	ITT509	11		MON	10	0.0	0.0	10				K1184		Octal Segment Driver;ton,toff 5.0us max.
38	ITT525	11		MON	10	0.0	0.0	10				K1186		Octal Digit Driver;ton,toff 5.0us max.
39▼	DS8694N	11		MON	10%	.50*†	0.0	11	2.2	0	70	K11111		Printing Calculator Interface Set.
40	DM75491N	11		MON	10*	.90†	0.0	10	800m	0	70	K1142	M344	MOS-to-LED Quad Segment Driver.
41	DM75492N	11		MON	10*	.90†	0.0	10	800m	0	70	K1143	M344	MOS-to-LED Hex Digit Driver.
42	DM8861N	11		MOS	10	1.5†	0.0	10	800m	0	70	K1142a	M347	MOS-to-LED 5-Segment Driver.
43	DM8863N	11		MOS	10	1.5†	0.0	10	800m	0	70	K1143a	M347	MOS-to-LED 8-Digit Driver.
44	ITT505	11		MON	11	3.5%	90	0.0	800m	0	70	K1182		Gas Discharge Digit Display Driver.
45	ITT504	11		MON	12	0.0	70	0.0	800m	0	70	K1181		Gas Discharge Digit Display Driver.
46▼	CD4054BD	11		MOS	15%	.05*†	0.0	15	200m	-55	125	K1138	Δ001AE	4-Line Liquid Crystal Display Driver.
47▼	CD4054BE	11		MOS	15%	.05*†	0.0	15	200m	-55	125	K1138	Δ001AC	4-Line Liquid Crystal Display Driver.
48▼	CD4054BF	11		MOS	15%	.05*†	0.0	15	200m	-55	125	K1138	Δ001AC	4-Line Liquid Crystal Display Driver.
49▼	CD4054BK	11		MOS	15%	.05*†	0.0	15	200m	-55	125	K1138	Δ004AG	4-Line Liquid Crystal Display Driver.
50▼	CD4054BY	11		MOS	15%	.05*†	0.0	15	200m	-55	125	K1138	Δ001AC	4-Line Liquid Crystal Display Driver.
51▼	CD4055BD	11		MOS	15%	.05*†	0.0	15	200m	-55	125	F0270	Δ001AE	Liq Crystal BCD-to-7-Seg Decoder/Driver.
52▼	CD4055BE	11		MOS	15%	.05*†	0.0	15	200m	-55	125	F0270	Δ001AC	Liq Crystal BCD-to-7-Seg Decoder/Driver.
53▼	CD4055BF	11		MOS	15%	.05*†	0.0	15	200m	-55	125	F0270	Δ001AC	Liq Crystal BCD-to-7-Seg Decoder/Driver.
54▼	CD4055BK	11		MOS	15%	.05*†	0.0	15	200m	-55	125	F0270	Δ004AG	Liq Crystal BCD-to-7-Seg Decoder/Driver.
55▼	CD4055BY	11		MOS	15%	.05*†	0.0	15	200m	-55	125	F0270	Δ001AC	Liq Crystal BCD-to-7-Seg Decoder/Driver.
56▼	CD4056BD	11		MOS	15%	.05*†	0.0	15	200m	-55	125	F0271	Δ001AE	Liq Crystal BCD-to-7-Seg Decoder/Driver.
57▼	CD4056BE	11		MOS	15%	.05*†	0.0	15	200m	-55	125	F0271	Δ001AC	Liq Crystal BCD-to-7-Seg Decoder/Driver.
58▼	CD4056BF	11		MOS	15%	.05*†	0.0	15	200m	-55	125	F0271	Δ001AC	Liq Crystal BCD-to-7-Seg Decoder/Driver.
59▼	CD4056BK	11		MOS	15%	.05*†	0.0	15	200m	-55	125	F0271	Δ004AG	Liq Crystal BCD-to-7-Seg Decoder/Driver.
60▼	CD4056BY	11		MOS	15%	.05*†	0.0	15	200m	-55	125	F0271	Δ001AC	Liq Crystal BCD-to-7-Seg Decoder/Driver.
61▼	DS8692N	11		MON	15%☑	1.0*#	0.0	5.0	650m	0	70	K11113	M497	Transistor Array,w/DS8693,DS8694
62▼	MPQ1500	11	300M☑%	MON	20☑	.50#			1.2	-55	150	K271a	TO116	Quad PNP LED Display Driver.
63▼	MPQ1500N	11	300M☑%	MON	20☑	.50#			900m	-55	150	K271a	TO116	Quad PNP LED Display Driver.
64▼	MPQ1000	11	325M☑%	MON	20☑	.50#			1.2	-55	150	K271	TO116	Quad NPN LED Display Driver.
65▼	MPQ1000N	11	325M☑%	MON	20☑	.50#			900m	-55	150	K271	TO116	Quad NPN LED Display Driver.
66▼	DS8656N	11		MON	35%Ø					0	70	K11116	M345	Diode Matrix.
67	DM7889J	11		MON	80☑		60	0.0	600m	-55	125	K1173	M499	8-Digit High Voltage Cathode Driver.
68	DM8889J	11		MON	80☑		60	0.0	600m	0	70	K1173	M499	8-Digit High Voltage Cathode Driver.
69	DM8889N	11		MON	80☑		60	0.0	600m	0	70	K1173	M347	8-Digit High Voltage Cathode Driver.
70	MEM1056BCD	11	500kΔ	MOS	-10%	-2.0*	27	0.0	300m	-55	85	K15299	M171	Counter display driver with BCD outputs.
71	MEM1056	11	1.0MΔ	MON	-10%	-2.0*	27	0.0		-55	85	K15254	FP48	Counter-Display Driver.
72	S1907A	11		MOS	-10%	-9.0*	11	0.0		0	70	K1176	M504	DVM Counter/Display Driver.
73	ITT512	11		MON	-19%	-22*	25	0.0		0	70	K1141a		6 Digit Anode Driver Gas Discharge.
74	UHD490	11		MON	-28*	-24%	30	80	160m†	-55	125	K1141	M105ag	5 Digit Display Driver;Vo-80V;ton3.0usmax
75	UHD491	11		MON	-28*	-24%	30	80	160m†	-55	125	K1141a	M☑	6 Digit Display Driver;Vo-80V;ton3.0usmax
76	UHP490	11		MON	-28*	-24%	30	80	160m†	0	85	K1141	M126k	5 Digit Display Driver;Vo-80V;ton3.0usmax
77	UHP491	11		MON	-28*	-24%	30	80	160m†	0	85	K1141a	M☑	6 Digit Display Driver;Vo-80V;ton3.0usmax
78	UHP495	11		MON	-80☑	5.0#				0	85	K1160	M126k	Six-Digit High Voltage Display Driver.
79♦	UHP480	11		MON	130☑	2.5†*	0.0	130		0	85	K1140	M126k	5 Segment Display Driver;Vo130V;tpd5usmax
80♦	UHP481	11		MON	130☑	2.5†*	0.0	130		0	85	K1140a	M☑	7 Segment Display Driver;Vo130V;tpd5usmax
81▼	UHP482	11		MON	130☑	2.5*†	0.0	130		0	85	K11100	M☑	8 Segment Display Driver;VO 130V;tpd 5us.
82▼	DRV01Y	11		MON	160	2.0†	0.0	145	500m	0	85	K1139	M105au	Display Driver;tr 1.0us;tf200ns;Io7.5mAmax
83	CH2001A	12		MOH				8.0	500m†	-25	75		M158d	Line,lamp,relay and/or interface driver.
84	W040	12	500k	PCB	0.0	-3.0	70	10	360m	-20	55	K1219	CB31	2 Ckt;600mA Out max.
85	831Δ	12		PCB	1.8%	.80*	0.0	8.0	467m	-55	125		CB☑	IL 1.0A;tf 200ns max;tr 3.0us max.
86▼	DS1686H	12		MON	2.0%	.80*	0.0	5.0	90m†	-55	125	K2558	CN13	Positive Voltage;tpd 500ns typ.
87▼	DS1686J	12		MON	2.0%	.80*	0.0	5.0	90m†	-55	125	K2558	M257c	Positive Voltage;tpd 500ns typ.
88▼	DS3686H	12		MON	2.0%	.80*	0.0	5.0	90m†	0	70	K2558	CN13	Positive Voltage;tpd 500ns typ.
89▼	DS3686J	12		MON	2.0%	.80*	0.0	5.0	90m†	0	70	K2558	M257c	Positive Voltage;tpd 500ns typ.
90▼	DS3686N	12		MON	2.0%	.80*	0.0	5.0	90m†	0	70	K2558	M239a	Positive Voltage;tpd 500ns typ.
91	MRR1	12	100	PCB	2.5%	.50*	5.0	5.0		0	70	K1262	CB37c	Relays included, form A contacts.
92	I419	12	1.0M	PCB	5.0	0.0	4.8	5.2	500m	0	70		CB☑	SPST Relays Plus Drivers.
93	I420	12	1.0M	PCB	5.0	0.0	4.8	5.2	500m	0	70		CB☑	DPST Relays Plus Drivers.
94	I405	12	5.0M	PCB	5.0	0.0	4.8	5.2	325m	0	70	K1259	CB☑	5 Ckts;Max.Relay On Current-250mA at 32V.
95	W061	12		PCB	-3.0	0.0	15	10		-20	65	K1252	CB31	4 Ckt; Will Switch 2-55V at .25A.
96	W800	12	100k	PCB	-3.0	0.0	15	10		-20	65	K1253	CB31	Includes Reed and Relays;Form A.
97	9028	15		3DM			15	15	330m§	-55	75			3 Mode Integrator;Acc. ±.1% max.
98	API1620	15								0	50			Angle Pos Indicator;Acc 0.01°.
99♦	CH1070	15		MOH			28	0.0	500m†	-25	75	K15591	M158b	Dual clamp and blanking circuit.
100♦	CH1071	15		MOH			28	0.0	500m†	-25	75	K15592	M158c	Quad clamp;Clock clamping Res. 15Ω.
101	CTL100N3I-12	15		3DM			0	12	140m	0	55		M18e	Magnetic-Core Logic;And;Or;Inhibit;Not.
102	CTL100N3I24	15		3DM			0	24	280m		125		M18b	Magnetic-Core Logic;And;Or;Inhibit;Not.
103	CTL100P3I-12	15		3DM			0	12	140m	0	55		M18e	Magnetic-Core Logic;And;Or;Inhibit;Not.
104	CTL100P3I24	15		3DM			0	24	280m		125		M18b	Magnetic-Core Logic;And;Or;Inhibit;Not.
105	CTL100P/N12	15		3DM			0	12	140m	0	55		M18e	Magnetic-Core Logic;And;Or;Inhibit;Not.
106	CTL100P/N12S	15		3DM			0	12	150m		75		M18e	Magnetic-Core Logic;And;Or;Inhibit;Not.
107	CTL100P/N24	15		3DM			0	24	150m		125		M18	Magnetic-Core Logic;And;Or;Inhibit;Not.
108	CTL250N3I-12	15		3DM			0	12	250m		55		M18e	Magnetic-Core Logic;And;Or;Inhibit;Not.
109	CTL250P3I-12	15		3DM			0	12	250m		55		M18e	Magnetic-Core Logic;And;Or;Inhibit;Not.
110	CTL250P3I28	15		3DM			0.0	28	300m		100		M18	Magnetic Core Logic;And;Or;Inhibit;Not.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2]'1' (V)	LOGIC LEVEL [3]'0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	CTL250P4I25-28	15		3DM			0	28	300m		100		M18f	Magnetic-Core Logic;And;Or;Inhibit;Not.
2	CTL250P/N12	15		3DM			0	12	250m		55		M18e	Magnetic-Core Logic;And;Or;Inhibit;Not.
3	CTL250P/N24	15		3DM			0	24	400m		125		M18b	Magnetic-Core Logic;And;Or;Inhibit;Not.
4	CTL250P/N28	15		3DM			0	28	300m		100		M18	Magnetic-Core Logic;And;Or;Inhibit;Not.
5	CTP5P12	15		3DM			0	12	840m		55		M18c	Pulse Stretcher and Fortifiers
6	CTP5P24	15		3DM			0	24	1.5		100		M18c	Pulse Stretcher and Fortifiers
7#	DN831	15		MON			0.0	5.0	90m	-20	75	K15568	M385	Hall IC.
8	HEP554-RT	15					0.0	6.0					CN8	Bias Driver;FO 5 typ;tpd 15ns typ.
9	HEPC3806P-RT	15					0.0	5.0	85m				TO116	Phase-Frequency Detector.
10♦#	SAK140	15		MON			0.0	12	130m	-40	80	K15579	M126b	Revolution Counter for Cars;Io 50mA max.
11	SSCT-H1	15		3DM			15	15	1.6 †	-55	85	K15529	M339	14 Bit Control Transf;Vi 90Vrms at 400Hz.
12	SSCT-H3	15		3DM			15	15	1.6 †	0	70	K15529	M339	14 Bit Control Transf;Vi 90Vrms at 400Hz.
13	SSCT-L1	15		3DM			15	15	1.6 †	-55	85	K15529	M339	14 Bit Control Transf;Vi 11.8Vrms at 400Hz
14	SSCT-L3	15		3DM			15	15	1.6 †	0	70	K15529	M339	14 Bit Control Transf;Vi 11.8Vrms at 400Hz
15#	TAA790A	15					0.0	8.0		0	60		TO116	Controlled pulse generator for T.V. sets.
16#	TAA790B	15					0.0	8.0		0	60		M181	Controlled pulse generator for T.V. sets.
17#	UAA1001	15		MON			0.0	220		0	100		M266	Sensor Light Switch w/Dimming Facility.
18	VADC8-17	15		PCB			15	15	4.9 †	0	70		CB65	8-Bit;17MHz;Video Digitizer.
19#	SAK115	15	10k	MON			0.0	8.0		-25	65		M198	Pulse Shaper for Rev. Counter for Cars.
20#	SAK215	15	10k	MON			0.0	12	500m	-25	65		M266	Pulse Shaper for Revol.Counter for Cars.
21#	SAY115	15	10k	MON			0.0	16		-40	80	K15511	M329	Speedometer and Mileage Indicator for Cars
22#	SAA1000	15	50k	MOS			-9.0	0.0		-10	60		TO116	15 Chan Ultrasonic Remote Control Transm.
23#	SAA1010	15	50k	MOS			-18	0.0		-20	65		M117r	15 Chan Ultrasonic Remote Control Receiver
24#	SAA1024	15	50k	MOS			-9.0	0.0		-10	60		TO116	30 Chan Ultrasonic Remote Control Transm.
25#	SAA1025	15	50k	MOS			-18	0.0		-20	65		M117r	30 Chan Ultrasonic Remote Control Receiver
26#	SAH190	15	1.5M	MOS			17	.30		-20	80	K3073	TO96	Twelve-tone Generator for Electronic Organ
27♦#	SAA1030	15	4.6M	MOS			0.0	20		-10	60		M153f	12 Tone Generator for Electronic Organ.
28▼#	DN837	15		MON		.40*	0.0	5.0	90m	-20	75	K15595	M529a	Hall IC;B(H-L)750 Gauss;B(L-H)100 Gauss.
29	N8243N	15		MON		.40†*	0.0	5.0	500m	0	75	K15263	M237	8 Bit Position Scaler.
30	N8243P	15		MON		.40†	0.0	5.0	500m	0	75	K15263	FP49	8 bit position scaler;Prop delay 20ns.
31	N8243Y	15		MON		.40†*	0.0	5.0	500m	0	75	K15263	M237	8 Bit Position Scaler.
32	S8243N	15		MON		.40†*	0.0	5.0	500m	-55	125	K15263	M237	8 Bit Position Scaler.
33	S8243P	15		MON		.40†	0.0	5.0	500m	-55	125	K15263	FP59	8 bit position scaler;Prop delay 20ns.
34	S8243Y	15		MON		.40†	0.0	5.0	500m	0	75	K15263	FP59	8 bit position scaler;Prop delay 20ns.
35	MC4042F	15				.50*†	0.0	5.0	120m†	0	75	K3032a	TO86	Quad Predriver.
36	MC4042L,P%	15				.50*†	0.0	5.0	120m†	0	75	K3032a	TO116	Quad Predriver.
37▼	NE543K	15		MON		3.75†	0.0	4.8	830m	0	70	K15599	CN38	Servo Driver;Ro 5.4Ω max;Ri 2.8kΩ max.
38	MC10191L	15		MON	.255%	-.29*†	5.2	0.0	145m†	-30	85	K15572	M191	Hex MECL 10,1000 to MST Translator.
39	MC901G	15		MON	.82%	.57*	0.0	3.0	55m†	-55	125	K158	TO99	RTL Counter Adapter;tpd 22ns typ.
40	MC801G	15		MON	.84%	.55*	0.0	3.0	55m†	0	100	K158	TO99	RTL Counter Adapter;tpd 22ns typ.
41	T109	15	250k	3DM	-.30	-5.0	12	0.0	84m	-45	-65	K1513	M17	Reset Generator.
42▼#	SAA1022	15	2.2MΔ†	MOS	-.60*	-7.0%	18	0.0	360m†	-20	65	K15593	M153f	Character Generator for TV Receiver.
43	MC304F	15		MON	-.75	-1.6†	5.2	0.0	18m†	-55	125		TO91	Bias Driver;fan out 25;ECT Logic.
44	MC304G	15		MON	-.75	-1.6†	5.2	0.0	18m†	-55	125		CN9	Bias Driver;fan out 25;ECT Logic.
45	MC354F	15		MON	-.75	-1.6†	5.2	0.0	18m†	0	75		TO91	Bias Driver;fan out 25;ECT Logic.
46	MC354G	15		MON	-.75	-1.6†	5.2	0.0	18m†	0	75		CN9	Bias Driver;fan out 25;ECT Logic.
47	N1025A	15	125M	MON	-.77	-1.6	5.2	0.0		0	75			Dual 4,5 Input Expander.
48▼	MC12540L#1	15	70MØ	MON	-.93%	-1.6*†	5.2	0.0		-55	125	K15520	TO116	Phase-Frequency Detector;ECT.
49	MC10163L	15		MON	-.96%	-1.6*†	5.2	0.0	520m†	-30	85	K15556	M191	Error Detection/Correction Ckt.
50	MC10190L	15		MON	-.96%	-1.6*†	5.2	0.0	215m†	-30	85	K15571	M191	Quad MST to MECL 10,000 Translator.
51	MC10193L	15		MON	-.96%	-1.6*†	5.2	0.0	520m†	-30	85	K15557	M191	Error Detection/Correction Ckt.
52♦	MC12040L#1	15	70MØ	MON	-.96%	-1.6*†	5.2	0.0		0	75	K15520	TO116	Phase-Frequency Detector.
53▼	MC12040P#1	15	70MØ	MON	-.96%	-1.6*†	5.2	0.0		0	75	K15520	M278	Phase-Frequency Detector;ECT.
54	MC12012L#1	15	200M†%	MON	-.96%	-1.6*†	5.2	0.0		0	75	K15519	M191	Two-Modulus Prescaler.
55	MC12000L#2	15	250M†%	MON	-.96%	-1.6*†	5.2	0.0		0	75	K15493	TO116	Digital Mixer/Translator.
56▼	MC1697P	15	1.6G†%	MON	-.96%	-1.6*†	5.2	0.0	320m†	0	75	K15584	M293	Divide-By-4 Prescaler;ECT.
57	MC701G	15		MON	1.3	.10	0.0	3.0	55m†	15	55	K158	TO99	RTL Counter Adapter;tpd 22ns typ.
58	9318FC	15		MON	1.8%	.85*	0.0	5.0	250m†	0	75		FP47b	Eight Input Priority Encoder.
59	9650-1DM	15		MON	2.0%	.70*	16	5.5	730m	-55	125	K15551	M200j	4-Bit Current Source;Linearity±.01% of FSI
60	9650-2DM	15		MON	2.0%	.70*	16	5.5	730m	-55	125	K15551	M200j	4-Bit Current Source;Linearity±.05% of FSI
61	9650-3DM	15		MON	2.0%	.70*	16	5.5	730m	-55	125	K15551	M200j	4-Bit Current Source;Linearity±.2% of FSI
62	4850	15		3DM	2.0%	.80*	15	15	825m	-25	85	K15300	MØ	3Mode Integrator,Track and Hold,SPDTswitch
63	9650-1DC	15		MON	2.0%	.80*	16	5.5	730m	0	70	K15551	M200j	4-Bit Current Source;Linearity±.01% of FSI
64	9650-2DC	15		MON	2.0%	.80*	16	5.5	730m	0	70	K15551	M200j	4-Bit Current Source;Linearity±.05% of FSI
65	9650-3DC	15		MON	2.0%	.80*	16	5.5	730m	0	70	K15551	M200j	4-Bit Current Source;Linearity±.2% of FSI
66#	FLH441-74H87	15		MON	2.0%	.80*	0.0	5.0	445m§	0	70	K15290	M126p	4 Bit Complement-Unit;tpd 25ns max.
67#	FLH445-84H87	15		MON	2.0%	.80*	0.0	5.0	445m§	-25	85	K15290	M126p	4 Bit Complement-Unit;tpd 25ns max.
68	HWG16	15			2.0%	.80*	0.0	5.0	710m§	0	70	K15532	M342	16 Line Curr.Generator and Steering Netw.
69▼	MC8504P	15		MON	2.0%	.80*	0.0	5.0	350m	0	75	K15585	M278	4-Bit Univ Preset Polynomial Generator.
70	NC74H87N	15		MON	2.0%	.80*	0.0	5.0	270m	0	70	K15290	TO116	4 Bit True/Complement Element.
71	SN54H87J	15		MON	2.0%	.80*	0.0	5.0	270m†	-55	125	K15290	M157b	4-Bit True/Complement Element.
72	SN54H87N	15		MON	2.0%	.80*	0.0	5.0	270m†	-55	125	K15290	M126	4-Bit True/Complement Element.
73	SN54H87W	15		MON	2.0%	.80*	0.0	5.0	270m†	-55	125	K15290	Δ004AA	4 Bit True/Complement Element.
74	SN54S275J	15		MON	2.0%	.80*	0.0	5.0	525m†	-55	125	K15563	M153d	7-Bit-Slice Wallace Tree.
75	SN74H87J	15		MON	2.0%	.80*	0.0	5.0	270m†	0	70	K15290	M157b	4-Bit True/Complement Element.
76	SN74H87N	15		MON	2.0%	.80*	0.0	5.0	270m†	0	70	K15290	M126e	4-Bit True/Complement Element.
77	SN74H87W	15		MON	2.0%	.80*	0.0	5.0	270m†	0	70	K15290	TO84	4 Bit True/Complement Element.
78	SN74S275J	15		MON	2.0%	.80*	0.0	5.0	525m†	0	70	K15563	M153d	7-Bit-Slice Wallace Tree.
79	SN74S275N	15		MON	2.0%	.80*	0.0	5.0	525m†	0	70	K15563	M117x	7-Bit-Slice Wallace Tree.
80	SW74180J	15		MON	2.0%	.80*	0.0	5.25	294m†	0	70	K332	M114	TTL;tpd 40ns;Noise Rej. 1.0V;FO10
81	SW74180N	15		MON	2.0%	.80*	0.0	5.25	294m†	0	70	K332	M105n	TTL;tpd 40ns;Noise Rej. 1.0V;FO10
82	TIH101	15		MOH	2.0%	.80*	0.0	5.0	75m%	0	70	K15426	M158h	Dual Power Logic Module.
83#	TL74H87N	15		MON	2.0%	.80*	0.0	5.0	467m†	0	70	K15290	M126n	4Bit True/Complement Element.
84	5031	15	100k	3DM	2.0%	.80*	15	15	300m	-55	85			Peak Sense-Hold,Accuracy ±300uV.
85	MN350	15	1.2MΔ		2.0%	.80*	12	12	900m	0	70	K15445		Sine Wave Function Generator.
86	MN350H	15	1.2MΔ		2.0%	.80*	12	12	900m	-55	125	K15445		Sine Wave Function Generator.
87	MN351	15	1.2MΔ		2.0%	.80*	12	12	900m	0	70	K15445		Parabolic Function Generator.
88	MN351H	15	1.2MΔ		2.0%	.80*	12	12	900m	-55	125	K15445		Parabolic Function Generator.
89	MN352	15	1.2MΔ		2.0%	.80*	12	12	900m	0	70	K15445		S Wave Function Generator.
90	MN352H	15	1.2MΔ		2.0%	.80*	12	12	900m	-55	125	K15445		S Wave Function Generator.
91	MC4041P	15		MON	2.0%	.90*	0.0	5.0	240m†	0	75	K15227	M278	Single-Error Hamming Code Detector And Gen
92	MC4062P	15		MON	2.0%	.90*	0.0	5.0	75m†	0	75	K15389	TO116	Dual Majority Logic Gate.
93▼#	DN834	15		MON	2.4%	.40*	0.0	5.0	90m	-20	75	K15594	M529a	Hall IC;B(H-L)750 Gauss;B(L-H)100 Gauss.
94	MC54H87F	15		MON	2.4%	.40*†	0.0	5.0	270m†	-55	125		TO86	4 Bit True/Complement,0/1 Element.
95	MC54H87L	15		MON	2.4%	.40*†	0.0	5.0	270m†	-55	125		TO116	4 Bit True/Complement,0/1 Element.
96	MC74H87F	15		MON	2.4%	.40*†	0.0	5.0	270m†	0	75		TO86	4 Bit True/Complement,0/1 Element.
97	MC74H87L,P%	15		MON	2.4%	.40*†	0.0	5.0	270m†	0	75		TO116	4 Bit True/Complement,0/1 Element.
98	MC4035F	15		MON	2.4%	.40*†	0.0	5.0	140m†	0	75	K15351	TO86	4 ckts; tpd 25ns typ; FO7.
99	MC4035L,P%	15		MON	2.4%	.40*†	0.0	5.0	140m†	0	75	K15351	TO116	4 ckts;tpd 25ns typ;FO7
100	MC4037F	15		MON	2.4%	.40*†	0.0	5.0	150m†	0	75	K15352	TO86	4 ckts; tpd 25ns typ; FO10.
101	MC4037L,P%	15		MON	2.4%	.40*†	0.0	5.0	150m†	0	75	K15352	TO116	4 ckts;tpd 25ns typ;FO10.
102	MC4335F	15		MON	2.4%	.40*†	0.0	5.0	140m†	-55	125	K15351	TO86	4ckts; tpd 25ns typ; FO7.
103	MC4335L	15		MON	2.4%	.40*†	0.0	5.0	140m†	-55	125	K15351	TO116	4 ckts;tpd 25ns typ;FO7.
104	MC4337F	15		MON	2.4%	.40*†	0.0	5.0	150m†	-55	125	K15352	TO86	4 ckts; tpd 25ns typ; FO10.
105	MC4337L	15		MON	2.4%	.40*†	0.0	5.0	150m†	-55	125	K15352	TO116	4 ckts;tpd 25ns typ;FO10.
106	MC4344F	15		MON	2.4%	.40†*	0.0	5.0	85m†	-55	125	K15316	TO86	Phase-Frequency Detector.
107	MC4344L	15		MON	2.4%	.40*†	0.0	5.0	85m†	-55	125	K15316	TO116	Phase-Frequency Detector.
108	MCB54140F	15		MON	2.4	.40	0.0	5.0	20m†	-55	125	K15393	FP77	4-Input AND Driver w/NOR Strobe.
109	SCL1006	15		3DM	2.4%	.40*	15	15	1.0 †	0	70		M379a	Clock Module;16x Bit Rate.
110	MC54176F	15	35M†Ø	MON	2.4%	.40*†	0.0	10	240m%	-55	125	K15558	TO86	Preset Decade-Binary Counter/Latches.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MC54176L	15	35MT∅	MON	2.4%	.40*†	0.0	10	240m%	-55	125	K15558	TO116	Presettable Decade-Binary Counter/Latches.
2	MC54177F	15	35MT∅	MON	2.4%	.40*†	0.0	10	240m%	-55	125	K15559	TO86	Presettable Decade-Binary Counter/Latches.
3	MC54177L	15	35MT∅	MON	2.4%	.40*†	0.0	10	240m%	-55	125	K15559	TO116	Presettable Decade-Binary Counter/Latches.
4	MC8503P	15		MON	2.4%	.50*†	0.0	5.0	400m†	0	75	K15517	TO116	Bipolar LSI Univ.Polynominal Generator.
5	MC12014L	15		MON	2.4%	.50*†	0.0	5.0		0	75		M191	Counter Control Logic.
6▼	MC12020L,P	15		MON	2.4%	.50*†	0.0	5.0		-30	85	K15588	TO116	Dual Presetting Sys Offset Control;ECT.
7▼	MC12520L	15		MON	2.4%	.50*†	0.0	5.0		-55	125	K15588	TO116	Dual Presetting Sys Offset Control;ECT.
8▼	MC8506P	15	4.0M%	MON	2.4%	.50*†	0.0	5.0	500m	0	75	K15587	M278	Bipolar LSI Polynomial Generator.
9	MC4044F	15		MON	2.5%	.40†*	0.0	5.0	85m†	0	75	K15316	TO86	Phase-Frequency Detector.
10	MC4044L,P%	15		MON	2.5%	.40*†	0.0	5.0	85m†	0	75	K15316	TO116	Phase-Frequency Detector.
11#	DN830	15		MON	2.6%	.40*	0.0	5.0	90m	-20	75	K15567	M385	Hall IC;B(H-L)750gauss;B(L-H)100gauss
12	MC7261F	15		MON	2.6%	.40*†	0.0	5.0	95m†	0	75	K15267	TO86	Fast Carry Extender.
13	MC7261L,P%	15		MON	2.6%	.40*†	0.0	5.0	95m†	0	75	K15267	TO116	Fast Carry Extender.
14	MC8261F	15		MON	2.6%	.40*†	0.0	5.0	95m†	-55	125	K15267	TO86	Fast Carry Extender.
15	MC8261L	15		MON	2.6%	.40*†	0.0	5.0	95m†	-55	125	K15267	TO116	Fast Carry Extender.
16	N8261A	15		MON	2.6%	.40†	0.0	5.0	140m	0	75	K15267	M105q	Fast carry extender; gate array.
17	N8261F	15		MON	2.6%	.40†*	0.0	5.0	140m	0	75	K15267	M157	Fast Carry Extender;Gate Array.
18	N8261Q	15		MON	2.6%	.40†	0.0	5.0	140m	0	75	K15267	TO88	Fast carry extender; gate array.
19	S8261A	15		MON	2.6%	.40†	0.0	5.0	140m	-55	125	K15267	M105q	Fast carry extender;gate array.
20	S8261F	15		MON	2.6%	.40†	0.0	5.0	140m	-55	125	K15267	M105r	Fast carry extender;gate array.
21	S8261Q	15		MON	2.6%	.40†	0.0	5.0	140m	-55	125	K15267	TO88	Fast carry extender;gate array.
22#	SAK100	15		MON	3.0%	1.0*	0.0	4.8		-20	55	K15435	TO116	Scanning Regulator SW;Vo 250mV.
23	RL60D	15		MON	3.5	.20†	0	5	80m	-55	125		M105m	4 Bit Storage Register;ton-16ns;toff-11ns.
24	RL60K	15		MON	3.5	.20†	0	5	80m	-55	125		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns.
25	RL61D	15		MON	3.5	.20†	0	5	80m	-55	125		M105m	4 Bit Storage Register;ton-16ns;toff-11ns.
26	RL61K	15		MON	3.5	.20†	0	5	80m	-55	125		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns.
27	RL62D	15		MON	3.5	.20†	0	5	80m	0	75		M105m	4 Bit Storage Register;ton-16ns;toff-11ns.
28	RL62K	15		MON	3.5	.20†	0	5	80m	0	75		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns.
29	RL63D	15		MON	3.5	.20†	0	5	80m	0	75		M105m	4 Bit Storage Register;ton-16ns;toff-11ns.
30	RL63K	15		MON	3.5	.20†	0	5	80m	0	75		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns.
31	RL70D	15		MON	3.5	.20†	0	5	120m	-55	125		M105m	4 Bit Storage Register;ton-16ns;toff-11ns.
32	RL70K	15		MON	3.5	.20†	0	5	120m	-55	125		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns.
33	RL71D	15		MON	3.5	.20†	0	5	120m	-55	125		M105m	4 Bit Storage Register;ton-16ns;toff-11ns.
34	RL71K	15		MON	3.5	.20†	0	5	120m	-55	125		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns.
35	RL72D	15		MON	3.5	.20†	0	5	120m	0	75		M105m	4 Bit Storage Register;ton-16ns;toff-11ns.
36	RL72K	15		MON	3.5	.20†	0	5	120m	0	75		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns.
37	RL73D	15		MON	3.5	.20†	0	5	120m	0	75		M105m	4 Bit Storage Register;ton-16ns;toff-11ns.
38	RL73K	15		MON	3.5	.20†	0	5	120m	0	75		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns.
39#	ZN1002E	15			3.5	.20	0.0	5.25		0	70	K15330	M210	Core Store Driver;PD,15ns;IC,65ma.
40	SP363A	15		MON	3.5%	.60†*	0.0	5.0		0	75	K15396	TO116	Zero Crossing Detector.
41	AY5-1008	15	100k	MOS	3.5%	.80*	-12	5.0	200m	0	70		M192a	TTY Receiver; tpD 1.0us.
42	AY5-1010	15	100k	MOS	3.5%	.80*	-12	5.0	200m	0	70		M192a	TTY Transmitter; tpD 1.0us.
43▼#	GZF1200	15		MON	3.5%	1.5*	0.0	5.0		-40	85	K15597		Digital Voltmeter.
44♦#	GZF1202	15		MON	3.5%	1.5*	0.0	5.0	500n	-40	85	K15596		Coder/Decoder for Error Detention.
45	SAY115X	15	10k	MON	3.5	2.5	0.0	16	256m%	-40	85	K15583	M509	Speedometer Ckt;5 Stage divide by 32.
46	SAY115Y	15	10k	MON	3.5	2.5	0.0	16	256m%	-40	85	K15583	M509	Speedometer Ckt;6 Stage divide by 64.
47	AY6-4010	15	1.0M	MOS	3.7%	1.5*	12	5.0		-55	125	K15340	M192a	Universal counting system;tpD 2.0us.
48♦	CH1060	15	20MΔ	MOH	3.9	.5†	0.0	5.5		-25	75	K15590	M158	4 phase clock line sequencer; IL2.2mA.
49	MC12000L#1	15	250MT%	MON	4.0%	3.3*†	0.0	5.0		0	75	K15493	TO116	Digital Mixer Translator
50♦	MC12040L#2	15	70MØ	MON	4.04%	3.44*†	0.0	5.0		0	75	K15520	TO116	Phase-Frequency Detector.
51▼	MC12040P#2	15	70MØ	MON	4.04%	3.44*†	0.0	5.0		0	75	K15520	M278	Phase-Frequency Detector;ECT.
52	MC12012L#2	15	200MT%	MON	4.04%	3.44*†	0.0	5.0		0	75	K15519	M191	Two-Modulus Prescaler.
53▼	MC12540L#2	15	70MØ	MON	4.07%	3.44*†	0.0	5.0		-55	125	K15520	TO116	Phase-Frequency Detector;ECT.
54	DV600#1	15	150k	3DM	4.5	0.0	0.0	15		0	70	K15577	M469	Square Wave Clock.
55	DV600#2	15	150k	3DM	4.5	0.0	0.0	15		0	70	K15577	M469	Square Wave One Shot.
56	MC14490EVL	15	.40MΔ	MOS	4.9%	.01*†	0.0	5.0		-55	125	K15578	M200w	Hex Contact Bounce Eliminator.
57	MC14490VL	15	.40MΔ	MOS	4.9%	.01*†	0.0	5.0		-40	85	K15578	M200w	Hex Contact Bounce Eliminator.
58	MC14490VP	15	.40MΔ	MOS	4.9%	.01*†	0.0	5.0		-40	85	K15578	M117y	Hex Contact Bounce Eliminator.
59	D132AL	15			5.0	0.0	0.0	5.0	750m	-55	125	K15193	TO86	4 Channel Decode Driver;tpd 250ns max.
60	D132AP	15			5.0	0.0	0.0	5.0	750m	-55	125	K15193	TO116	4 Channel Decode Driver;tpd 250ns max.
61	D132BL	15			5.0	0.0	0.0	5.0	750M	-20	85	K15193	TO86	4-Channel Decode Driver;Tpd 250ns Max.
62	D132BP	15			5.0	0.0	0.0	5.0	1.2	-20	85	K15193	TO116	4-Channel Decode Driver;Tpd 250ns Max
63	I410	15	10M	PCB	5.0	0.0	0.0	5.0	200m%			K15273	CB☑	Squaring amplifier; Vth-2.5V to 2.5V.
64	6471	15		PCB	5.0	.45	15	15		0	70		CB62	20 Wire Multiplexer In. Limiter/Connector.
65	33	15	10M	3DM	7.0	-7.0	15	15		-65	175		CN67	Field Effect Chopper Relay.
66	MC14490EFL	15	1.0MΔ	MOS	9.9%	.01*†	0.0	10		-55	125	K15578	M200w	Hex Contact Bounce Eliminator.
67	MC14490FL	15	1.0MΔ	MOS	9.9%	.01*†	0.0	10		-40	85	K15578	M200w	Hex Contact Bounce Eliminator.
68	MC14490FP	15	1.0MΔ	MOS	9.9%	.01*†	0.0	10		-40	85	K15578	M117y	Hex Contact Bounce Eliminator.
69♦	MC14530AL	15		MOS	9.99%	.01*†	0.0	10	50n%	-55	125	K15496	M200aa	Dual 5-Input Majority Logic Gate.
70♦	MC14530CL	15		MOS	9.99%	.01*†	0.0	10	50n%	-40	85	K15496	M200aa	Dual 5-Input Majority Logic Gate.
71♦	MC14530CP	15		MOS	9.99%	.01*†	0.0	10	50n%	-40	85	K15496	M278	Dual 5-Input Majority Logic Gate
72	MC14566AL	15		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K15560	M191	Industrial Time Base Generator.
73	MC14566CL	15		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K15560	M191	Industrial Time Base Generator.
74	MC14566CP	15		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K15560	M278	Industrial Time Base Generator.
75#	FEY101	15		MON	-2.0%	-10*	21	0.0		-10	75	K15436	M117q	Analog-Digital Transducer.
76	R181	15	2.0M	PCB	-3.0	0.0	15	10	400m	-20	65	K1555	CB31	1 Ckt; DC Carry Chain.
77	MM4015	15	1.0MΔ	MOS	-4.0%	-2.0%	25	0.0	400m	-55	125	K15347	M146	60 plus 4 bit accumulator/register.
78	MM5015	15	1.0MΔ	MOS	-4.0%	-2.0%	25	0.0	400m	-25	70	K15347	M146	60 plus 4 bit accumulator/register.
79	SAH215	15		MON	-6.0		18	0.0	4.0m§	-40	70	K15582	CN18b	Telephone Push-Button Dialing IC.
80	MM410	15	4.0MΔ	MOS	-7.0%	-2.5*	20	0.0	500m	-55	125	K15346	CN☑	64 bit accumulator;clock tr 10ns max.
81	MM510	15	4.0MΔ	MOS	-7.0%	-2.5*	20	0.0	500m	-25	70	K15346	CN☑	64 bit accumulator;clock tr 10ns max.
82	S2555	15		MOS	-8.0%	-2.0*	15	0.0	700m	0	70	K15580	M505	Top Octave Synthesizer.
83	S2556	15		MOS	-8.0%	-2.0*	15	0.0	700m	0	70	K15581	M505	Top Octave Synthesizer.
84	MC2255L	15		MOS	-9.0%	-1.0*†	16	0.0	625m	0	75	K15359	TO116	P-Channel Enhancement Mode Logic Element.
85	3102-4-5F	15		MOS	-9.0%	-2.0*	27	0.0	200m	-55	85	K15215	TO100	3 Input gate Building block
86	CD4048AD	15		MOS	10	0.0†	0.0	10	20u%	-55	125	K15444	Δ002AE	CMOS Multi Function Exp 8 Input Gate.
87	CD4048AE	15		MOS	10	0.0†	0.0	10	200u%	-40	85	K15444	Δ001AC	CMOS Multi Function Exp 8 Input Gate.
88	CD4048AK	15		MOS	10	0.0†	0.0	10	20u%	-55	125	K15444	Δ004AG	CMOS Multi Function Exp 8 Input Gate.
89	CM4048AD	15		MOS	10.0	0.0	0.0	10	20u%	-55	125	K15444		CMOS 8 input Gate, Multifunctional.
90	CM4048AE	15		MOS	10.0	0.0	0.0	10	200u%	-40	85	K15444	Δ001AC	CMOS 8 input Gate, Multifunctional.
91	NS8000A	15	1.5M		12☑%				500m	-55	100	K1759	CN76	Transformer Isolated Microchopper.
92	MC675L,P%	15		MON	12.5%	1.5*†	0.0	15	180mΔ	-30	75	K15295	TO116	Pulse Stretcher;Fan Out 10.
93▼	ULN3006T	15		MON	16	.40†	0.0	16	192m	0	70	K15598	M540	Hall Effect Switch.
94▼	ULS3006T	15		MON	16	.40†	0.0	16	192m	-40	150	K15598	M540	Hall Effect Switch.
95	3800-4-6H	15	300k	MOS	-10%	-2.0*	27	0.0	180m†	-55	85		M132	8 bit parallel accumulator
96	3800-9-6H	15	300k	MOS	-10%	-2.0*	27	0.0	180m†	0	70		M132	8 bit parallel accumulator
97	MEM5021	15	500kΔ	MOS	-10%	-2.0*	30	.30	100m	-55	85		FP48	Digital Difference Adder Element.
98	SAJ220C	16		MON			0.0	2.0		-10	60		FP89	Quartz Watch and Clock Ckt.
99	SAJ220D	16		MON			0.0	2.0		-10	60		FP89	Quartz Watch and Clock Ckt.
100	SAJ220M	16		MON			0.0	2.0		-10	60		FP89	Quartz Watch and Clock Ckt.
101	SAJ220P	16		MON			0.0	2.0		-10	60		M266	Quartz Watch and Clock Ckt.
102▼	XR2250CN#2	16		MON			0.0	15	750m	0	75	C0124	M200u	BCD Programmable Timer/Counter.
103▼	XR2250CP#2	16		MON			0.0	15	625m	0	75	C0124	M200u	BCD Programmable Timer/Counter.
104▼	XR2250M#2	16		MON			0.0	15	750m	-55	125	C0124	M200u	BCD Programmable Timer/Counter.
105▼	XR2250N#2	16		MON			0.0	15	750m	0	75	C0124	M200u	BCD Programmable Timer/Counter.
106▼	XR2250P#2	16		MON			0.0	15	625m	0	75	C0124	M200u	BCD Programmable Timer/Counter.
107#	SAJ270E	16	32k	MOS			0.0	1.5		-10	60		FP89	32kHz Wrist Watch IC,1Hz output.
108#	SAJ220H	16	50k	MON			0.0	2.0		-10	60		FP89	Osc. Divider,Motor Drive for wrist watch.
109#	SAJ220S	16	50k	MON			0.0	2.0		-10	60		M266	Oscillator,Divider,Motordrive for Clocks.
110♦	XR2240CN#2	16	1.5M%	MON			0.0	15	750m	0	75	C0119	M200u	Programmable Timer/Counter.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	XR2240CP#2	16	1.5M%	MON			0.0	15	625m	0	75	C0119	M200u	Programmable Timer/Counter.
2▼	XR2240M#2	16	1.5M%	MON			0.0	15	750m	-55	125	C0119	M200u	Programmable Timer/Counter.
3♦	XR2240N#2	16	1.5M%	MON			0.0	15	750m	0	75	C0119	M200u	Programmable Timer/Counter.
4♦	XR2240P#2	16	1.5M%	MON			0.0	15	625m	0	75	C0119	M200u	Programmable Timer/Counter.
5#	SAJ300S	16	4.2M	MOS			0.0	12	300m	-45	85		TO116	4.2MHz Quartz Clock IC,1Hz Output.
6#	SAJ300T	16	4.2M	MOS			0.0	12	300m	-45	85		TO116	4.2MHz Quartz Clock IC,64Hz Output.
7	CD4059AD	16	5.0MΔ%	MOS			0.0	10	30u%	-55	125	K1627	M351a	Prog Divide-by-N Counter.
8#	SP659A	16	180M%	MON			0.0	8.0		-55	125	K1622b	CN73	Low Power V.H.F. Counter.
9	MM5555N	16	2.2M	MOS	.30%	-16*	-27	0.0	800m	0	70	K1641a	M344	Chromatic Frequency Generator.
10	MM5556N	16	2.2M	MOS	.30%	-16*	-27	0.0	800m	0	70	K1641b	M344	Chromatic Frequency Generator.
11	MM5554N	16	500k†	MOS	.30%	-18*	-27	0.0	250m	0	70	K1641	M344	Typical Organ Tone Generator.
12#	SP8602A	16	500M	MON	.35#%	†	5.0	0.0		-55	125	K1631	CN46b	High Speed Divider:500MHz by 2 Counter.
13#	SP8622B	16	200M	MON	.40#%		5.0	0.0		0	70	K1633	M126t	High Speed Divider:200MHz by 5 Counter.
14#	SP8604A	16	300M	MON	.40#%	†	5.0	0.0		-55	125	K1631	CN46b	High Speed Divider:300MHz by 2 Counter.
15#	SP8604B	16	300M	MON	.40#%	†	5.0	0.0		0	70	K1631	CN46b	High Speed Divider:300MHz by 2 Counter.
16#	SP8621B	16	300M	MON	.40#%		5.0	0.0		0	70	K1633	M126t	High Speed Divider:300MHz by 5 Counter.
17#	SP8603A	16	400M	MON	.40#%	†	5.0	0.0		-55	125	K1631	CN46b	High Speed Divider:400MHz by 2 Counter.
18#	SP8603B	16	400M	MON	.40#%	†	5.0	0.0		0	70	K1631	CN46b	High Speed Divider:400MHz by 2 Counter.
19#	SP8632B	16	400M	MON	.40#%		5.0	0.0		0	70	K1634	M126t	High Speed Divider;400MHz Decade Counter.
20#	SP8637B	16	400M	mon	.40%#		5.0	0.0		0	70	K1635	M148e	High Speed Divider;Divide by 10 Ckt.
21#	SP8652B	16	400M	MON	.40#%		5.0	0.0	250m	0	70	K1637	M126t	UHF Divide by 16 Counter.
22#	SP8602B	16	500M	MON	.40#%	†	5.0	0.0		0	70	K1631	CN46b	High Speed Divider:500MHz by 2 Counter.
23#	SP8631B	16	500M	MON	.40#%		5.0	0.0		0	70	K1634	M126t	High Speed Divider;500MHz Decade Counter.
24#	SP8636B	16	500M	MON	.40#%		5.0	0.0		0	70	K1635	M148e	High Speed Divider;Divide by 10 ckt.
25#	SP8651B	16	500M	MON	.40#%		5.0	0.0	250m	0	70	K1637	M126t	UHF Divide by 16 Counter.
26#	SP8685A	16	500M	MON	.40#%		0.0	5.2		-55	125	K1640	M148e	UHF Prog Divider;500MHz by 10/11.
27#	SP8685B	16	500M	MON	.40#%		0.0	5.2		0	70	K1640	M148e	UHF Prog Divider;500MHz by 10/11.
28#	SP8630B	16	600M	MON	.40#%		5.0	0.0		0	70	K1634	M126t	High Speed Divider;600MHz Decade Counter.
29#	SP8635B	16	600M	MON	.40%#		5.0	0.0		0	70	K1635	M148e	High Speed Divider;Divide by 10 Ckt.
30#	SP8650D	16	600M	MON	.40#%		5.0	0.0	250m	0	70	K1637	M126t	UHF Divide by 16 Counter.
31#	SP8634B	16	700M	MON	.40%#		5.0	0.0		0	70	K1635	M148e	High Speed Divider;Divide by 10 Ckt.
32#	SP8665B	16	1.0G	MON	.40#%		0.0	6.8		0	70	K1639	M126t	UHF Decade Counter;1.0GHz Divide by 10.
33#	SP8666B	16	1.1G	MON	.40#%		0.0	6.8		0	70	K1639	M126t	UHF Decade Counter;1.1GHz divide by 10.
34#	SP8667B	16	1.2G	MON	.40#%		0.0	6.8		0	70	K1639	M126t	UHF Decade Counter;1.2GHz Divide by 10.
35#	SP8601A	16	150M	MON	.80*#		5.0	0.0		-55	125	K1630	CN46b	High Speed Divider:150MHz by 4 Counter.
36#	SP8601B	16	150M	MON	.80*#		5.0	0.0		0	70	K1630	CN46b	High Speed Divider;150MHz by 4 Counter.
37#	SP8600A	16	250M	MON	.80*#		5.0	0.0		-55	125	K1629	CN46b	High Speed Divider:250MHz by 4 Counter.
38#	SP8600B	16	250M	MON	.80*#		5.0	0.0		0	70	K1629	CN46b	High Speed Divider:250MHz by 4 Counter.
39▼#	SP8505	16	250M	MON	-.75	-1.5†	5.2	0.0	364m†		150	K1646	M257a	High Speed Divider;250MHz by 10 Counter.
40▼#	SP8515	16	450M	MON	-.75	-1.5†	5.2	0.0	364m†		150	K1646	M257a	High Speed Divider;450MHz by 10 Counter.
41▼#	SP8607A	16	600M†Ø	MON	-.75	-1.5†	5.2	0.0	70m†	-55	125	K1647	CN6f	High Speed Divider;600MHz by 2 Counter.
42▼#	SP8607B	16	600M†Ø	MON	-.75	-1.5†	5.2	0.0	70m†	0	70	K1647	CN6f	High Speed Divider;600MHz by 2 Counter.
43▼#	SP8607M	16	600M†Ø	MON	-.75	-1.5†	5.2	0.0	70m†	-40	85	K1647	CN6f	High Speed Divider;600MHz by 2 Counter.
44#	SP8640A	16	200M	MON	-.85%	-1.5*†	5.0	0.0		-55	125	K1636	M148e	UHF Programmable Divides by 10 or 11.
45#	SP8640B	16	200M	MON	-.85%	-1.5*†	5.0	0.0		0	70	K1636	M148e	UHF Programmable Divides by 10 or 11.
46#	SP8641A	16	250M	MON	-.85%	-1.5*†	5.0	0.0		-55	125	K1636	M148e	UHF Programmable Divides by 10 or 11.
47#	SP8641B	16	250M	MON	-.85%	-1.5*†	5.0	0.0		0	70	K1636	M148e	UHF Programmable Divides by 10 or 11.
48#	SP8642A	16	300M	MON	-.85%	-1.5*†	5.0	0.0		-55	125	K1636	M148e	UHF Programmable Divides by 10 or 11.
49#	SP8642B	16	300M	MON	-.85%	-1.5*†	5.0	0.0		0	70	K1636	M148e	UHF Programmable Divides by 10 or 11.
50#	SP8643B	16	350M	MON	-.85%	-1.5*†	5.0	0.0		0	70	K1636	M148e	UHF Programmable Divides by 10 or 11.
51▼	MC12513P#1	16		MON	-.97%	-1.6*†	5.2	0.0	310m†	-55	125	K0588	M278	2-Modulus Prescaler;ECT.
52#	SP8613B	16	700M	MON	1.2*#		7.4	0.0		0	70	K1632	M126t	High Speed Divider:700MHz by 4 Counter.
53#	SP8614B	16	800M	MON	1.2*#		7.4	0.0		0	70	K1632	M126t	High Speed Divider:800MHz by 4 Counter.
54#	SP8615B	16	900M	MON	1.2*#		7.4	0.0		0	70	K1632	M126t	High Speed Divider:900MHz by 4 Counter.
55#	SP8616D	16	950M	MON	1.2*#		7.4	0.0		0	70	K1632	M126t	High Speed Divider:950MHz by 4 Counter.
56#	SP8616B	16	1.0G	MON	1.2*#		7.4	0.0		0	70	K1632	M126t	High Speed Divider:1.0GHz by 4 Counter.
57▼	MC14451L	16		MOS	1.38%	.20*†	0.0	1.58		-10	60	K1645	M200aa	Osc/18-Stage DIV/Buff Duty Cycle Control
58▼	MC14451P	16		MOS	1.38%	.20*†	0.0	1.58		-10	60	K1645	M278	Osc/18-Stage DIV/Buff Duty Cycle Control
59▼	MCC14451	16		MOS	1.38%	.20*†	0.0	1.58		-10	60	K1645	FC19	Osc/18-Stage DIV/Buff Duty Cycle Control
60▼	MC14450L	16		MOS	1.4%	.10*†	0.0	1.58		0	50	K1644	FP121	CMS;Oscillator/16 Divider/2 Buffer.
61▼	MC14450P	16		MOS	1.4%	.10*†	0.0	1.58		0	50	K1644	FP122	CMS;Oscillator/16 Divider/2 Buffer.
62▼	MCC14450	16		MOS	1.4%	.10*†	0.0	1.58		0	50	K1644	FC18	CMS;Oscillator/16 Divider/2 Buffer.
63	DM7520J	16	20M%	MON	2.0%	.80*	0.0	5.0	375m%	-55	125	K1625	M200r	Modulo-N-Divider;tpd 55ns max.
64	DM7520W	16	20M%	MON	2.0%	.80*	0.0	5.0	375m%	-55	125	K1625	FP88a	Modulo-N-Divider;tpd 55ns max.
65	DM8520J	16	20M%	MON	2.0%	.80*	0.0	5.0	375m%	0	70	K1625	M200r	Modulo-N-Divider;tpd 55ns max.
66	DM8520N	16	20M%	MON	2.0%	.80*	0.0	5.0	375m%	0	70	K1625	M345	Modulo-N-Divider;tpd 55ns max.
67	MC5492F	16	10M†Ø	MON	2.4%	.40*†	0.0	5.0	160m†	-55	125	K169	TO86	Divide by twelve counter.
68	MC5492L	16	10M†Ø	MON	2.4%	.40*†	0.0	5.0	160m†	-55	125	K169	TO116	Divide-By-Twelve Counter.
69	MC7492F	16	10M†Ø	MON	2.4%	.40*†	0.0	5.0	160m†	0	75	K169	TO86	Divide by twelve counter.
70	MC7492L,P%	16	10M†Ø	MON	2.4%	.40*†	0.0	5.0	160m†	0	75	K169	TO116	Divide-By-Twelve Counter.
71	MC8392F	16	10M†Ø	MON	2.4%	.40*†	0.0	5.0	160m†	0	75	K169	TO86	Divide-By-Twelve Counter.
72	MC8392L,P%	16	10M†Ø	MON	2.4%	.40*†	0.0	5.0	160m†	0	75	K169	TO116	Divide-By-Twelve Counter.
73	MC9392F	16	10M†Ø	MON	2.4%	.40*†	0.0	5.0	160m†	-55	125	K169	TO86	Divide-By-Twelve Counter.
74	MC9392L	16	10M†Ø	MON	2.4%	.40*†	0.0	5.0	160m†	-55	125	K169	TO116	Divide-By-Twelve Counter.
75	MC14411L	16	1.8MΔ	MOS	2.5	.40†	0.0	5.0	2.5m%	-40	85	K1626	M351b	Bit Rate Generator;16 Output Clock Rates.
76	MC14411P	16	1.8MΔ	MOS	2.5	.40†	0.0	5.0	2.5m%	-40	85	K1626		Bit Rate Generator;16 Output Clock Rates.
77▼#	SP8790B	16	60M†%	MON	2.5%	1.5*	0.0	5.0	40m†	0	70	K1651	CN6f	High Speed Divider;Divide by 4 Counter.
78▼	MC12013P#4	16		MON	2.6%	.80*†	0.0	5.0	310m†	-30	85	K0588	M278	2-Modulus Prescaler;ECT.
79▼	MC12513P#4	16		MON	2.7%	.80*†	0.0	5.0	310m†	-55	125	K0588	M278	2-Modulus Prescaler;ECT.
80#	SP522B	16	2.0M	MON	2.7%	1.0*	0.0	5.0		0	70	K1628	M400	Phase Lock,Divider and Comparator.
81	DM7288J	16	45M†%	MON	2.8%	.40†*	0.0	5.0	130m†	0	70	E0248	M294b	Presettable Divide by 12 Counter.
82	DM7288W	16	45M†%	MON	2.8%	.40†*	0.0	5.0	130m†	0	70	E0248	FP97a	Presettable Divide by 12 Counter.
83	DM8288J	16	45M†%	MON	2.8%	.40†*	0.0	5.0	130m†	-55	125	E0248	M294b	Presettable Divide by 12 Counter.
84	DM8288N	16	45M†%	MON	2.8%	.40†*	0.0	5.0	130m†	-55	125	E0248	M344	Presettable Divide by 12 Counter.
85	DM8288W	16	45M†%	MON	2.8%	.40†*	0.0	5.0	130m†	-55	125	E0248	FP97a	Presettable Divide by 12 Counter.
86▼#	SP8790A	16	60M†%	MON	3.5%	1.5*	0.0	5.0	40m†	-55	125	K1651	CN6f	High Speed Divider;Divide by 4 Counter.
87▼#	SP8790M	16	60M†%	MON	3.5%	1.5*	0.0	5.0	40m†	-40	85	K1651	CN6f	High Speed Divider;Divide by 4 Counter.
88▼	MC12013P#3	16		MON	4.0%	3.4*†	0.0	5.0	310m†	-30	85	K0588	M278	2-Modulus Prescaler;ECT.
89▼	MC12513P#3	16		MON	4.0%	3.4*†	0.0	5.0	310m†	-55	125	K0588	M278	2-Modulus Prescaler;ECT.
90▼#	SP8695A	16	200M†Ø	MON	4.1%	3.5*†	0.0	5.0	80m†	-55	125	K1650	M200g	High Speed Divider;200MHz by 10/11;Prog.
91▼#	SP8695B	16	200M†Ø	MON	4.1%	3.5*†	0.0	5.0	80m†	0	70	K1650	M200g	High Speed Divider;200MHz by 10/11;Prog.
92	T105	16	15M	PCB	5.0	0.0	0.0	5.0	750m%			K168	CB⍁	Modulo-N divider; fan out 10.
93#	SAJ110	16		MON	6.0	1.0	0.0	7.0	200m†	-25	125	K1624	M126b	Bi-polar Frequency Divider.
94#	SAJ110A	16	50k	MON	6.0%	1.0*	0.0	9.0		-10	60		TO116	Frequency divider,tr and tf 200ns max.
95#	SAJ110B	16	50k	MON	6.0%	1.0*	0.0	9.0		-10	60		M181	Frequency divider;tr and tf 200ns max.
96#	SAJ210AX2	16		MON	6.0%	1.5*	0.0	9.0	500m	0	70	K15462	M181	7 Stage Frequency Divider for Elect Organs
97#	SAJ210AX7	16		MON	6.0%	1.5*	0.0	9.0	500m	0	70	K15462	M126h	7 Stage Frequency Divider for Elect Organs
98▼#	SP8660A	16	180M	MON	9.0%	.40*†	0.0	5.0	65m†	-55	125	K1648	CN6f	High Speed Divider;180MHz by 10 Counter.
99▼#	SP8660B	16	180M	MON	9.0%	.40*†	0.0	5.0	65m†	0	70	K1648	CN6f	High Speed Divider;180MHz by 10 Counter.
100#	SP8655A	16	200M%	MON	9.0%	.40*†	0.0	5.0		-55	125	K1638	CN46b	Divide by 32 Counter.
101#	SP8655B	16	200M%	MON	9.0%	.40*†	0.0	5.0		0	70	K1638	CN46b	Divide by 32 Counter.
102#	SP8657A	16	200M%	MON	9.0%	.40*†	0.0	5.0		-55	125	K1638a	CN46b	Divide by 20 Counter.
103#	SP8657B	16	200M%	MON	9.0%	.40*†	0.0	5.0		0	70	K1638a	CN46b	Divide by 20 Counter.
104#	SP8659A	16	200M%	MON	9.0%	.40*†	0.0	5.0		-55	125	K1638b	CN46b	Divide by 16 Counter.
105#	SP8659B	16	200M%	MON	9.0%	.40*†	0.0	5.0		0	70	K1638b	CN46b	Divide by 16 Counter.
106	MC14017AL	16		MOS	9.99%	.01*†	0.0	10	100u	-55	125	K15494	M191	Decade Counter/Divider.
107	MC14017CL	16		MOS	9.99%	.01*†	0.0	10	1.0m	-40	85	K15494	M191	Decade Counter/Divider.
108	MC14017CP	16		MOS	9.99%	.01*†	0.0	10	1.0m	-40	85	K15494	M278	Decade Counter/Divider.
109	MC14521AL	16	9.0MΔ%	MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K1623	M191	24-Stage Frequency Divider.
110	MC14521CL	16	9.0MΔ%	MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K1623	M191	24-Stage Frequency Divider.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MC14521CP	16	9.0MΔ%	MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K1623	M278	24-Stage Frequency Divider.
2	SCL4445AC	16	10M%	MOS	9.99%	.01*†	0.0	10	100u%	-55	125	E02101	M475d	Osc/21 Stage Divider/Buffer.
3	SCL4445AD	16	10M%	MOS	9.99%	.01*†	0.0	10	100u%	-55	125	E02101	M475e	Osc/21 Stage Divider/Buffer.
4	SCL4445AE	16	10M%	MOS	9.99%	.01*†	0.0	10	100u%	-40	85	E02101	M475f	Osc/21 Stage Divider/Buffer.
5	SCL4445AF	16	10M%	MOS	9.99%	.01*†	0.0	10	100u%	-55	125	E02101	FP111	Osc/21 Stage Divider/Buffer.
6	SCL4445AH	16	10M%	MOS	9.99%	.01*†	0.0	10	100u%	-55	125	E02101	FC☑	Osc/21 Stage Divider/Buffer.
7▼	MC12013P#1	16		MON	-1.0%	-1.6*†	5.2	0.0	310m†	-30	85	K0588	M278	2-Modulus Prescaler;ECT.
8▼#	SAJ131-I	16		MOS	-1.2%	-3.5*	12	0.0	24m§	0	70	K1654	CN80	Static 1000:1 Ion-Imp 1,Inp freq 25kHz max
9▼#	SAJ131AI	16		MOS	-1.2%	-3.5*	12	0.0	24m§	0	70	K1655	CN81	Static 1000:1 Ion-Impl;Inp Freq 25kHz.
10▼#	SAJ135-I	16		MOS	-1.2%	-3.5*	12	0.0	24m§	-25	85	K1654	CN80	Static 1000:1 Ion-Impl;Inp Freq 25kHz.
11▼#	SAJ135AI	16		MOS	-1.2%	-3.5*	12	0.0	24m§	-25	85	K1655	CN81	Static 1000:1 Ion-Imp 1,Inp freq 25kHz max
12▼#	SAJ410	16		MOS	-1.2%	-5.0*	12	0.0		-25	70	K1653	M181	7 Stage Binary for Electric Organ.
13	S2193	16		MOS	-2.0%	-8.0*	14	0.0		0	70	K1642	M505	7-Stage Frequency Divider.
14▼#	SAJ131	16		MOS	-2.0%	-12*	18	0.0	72m§	0	70	K1654	CN80	Static 1000:1;Input Freq 25kHz max.
15▼#	SAJ131A	16		MOS	-2.0%	-12*	18	0.0	72m§	0	70	K1655	CN81	Static 1000:1;Input Freq 25kHz max.
16▼#	SAJ135	16		MOS	-2.0%	-12*	18	0.0	72m§	-25	70	K1654	CN80	Static 1000:1;Input Freq 25kHz max.
17▼#	SAJ135A	16		MOS	-2.0%	-12*	18	0.0	72m§	-25	70	K1655	CN81	Static 1000:1;Input Freq 25kHz max.
18▼	MC12513P#2	16		MON	-2.5%	-4.4*†	5.2	0.0	310m†	-55	125	K0588	M278	2-Modulus Prescaler;ECT.
19▼	MC12013P#2	16		MON	-2.6%	-4.4*†	5.2	0.0	310m†	-30	85	K0588	M278	2-Modulus Prescaler;ECT.
20	S2470	16		MOS	-8.0%	-2.5*	10	0.0	250m	0	70	K1643	M505	6-Stage Frequency Divider.
21▼#	SP8670	16	600M†Ø	MON	-8.9%	-1.4*†	5.2	0.0	250m†	0	70	K1649	M257a	High Speed Divider;600MHz by 8 Counter.
22#	MN115	16		MOS	-9.0%	-1.0*	15	0.0	250m	-30	70	K15429	CN58a	1/2, 1/525 Frequency Divider.
23#	MN116	16		MOS	-9.0%	-1.0*	15	0.0	250m	-30	70	K15430	CN58a	1/2, 1/625 Frequency Divider.
24	XR320#3	16		MON	10.4%Δ	1.5*†	0.0	12	750m	0	75	C0121	M294e	Mon.Timing Ckt.
25▼#	DN819	16		MON	11†	.40*	0.0	16	150m	-20	75	K1652	M529	IIL;For 1/60 Frequency Divider.
26▼	XR555CN#3	16		MON	12.7%	.25*†	0.0	15	385m	0	75	J0598	M239f	Monolithic Timing Circuit.
27▼	XR555CP#3	16		MON	12.7%	.25*†	0.0	15	300m	0	75	J0598	M239f	Monolithic Timing Circuit.
28♦	XR556CN#3	16		MON	12.7%	.25*†	0.0	15	750m	0	75	C0120	M294e	Dual Timing Ckt.
29♦	XR556CP#3	16		MON	12.7%	.25*†	0.0	15	625m	0	75	C0120	M294e	Dual Timing Ckt.
30▼	XR2556CN#3	16		MON	12.7%	.25*†	0.0	15	750m	0	75	C0125	M294e	Dual Timing Circuit.
31▼	XR2556CP#3	16		MON	12.7%	.25*†	0.0	15	625m	0	75	C0125	M294e	Dual Timing Circuit.
32▼	XR555M#3	16		MON	13%	.15*†	0.0	15	385m	-55	125	J0598	M239f	Monolithic Timing Circuit.
33▼	XR556M#3	16		MON	13%	.15*†	0.0	15	725m	-55	125	C0120	M294e	Dual Timing Ckt.
34▼	XR2556M#3	16		MON	13%	.15*†	0.0	15	750m	-55	125	C0125	M294e	Dual Timing Circuit.
35	AD7510JD	17		MOS			15	15	30u†	0	75	K1762		Quad Analog CMOS Switch;ton,toff 1us.
36	AD7510JN	17		MOS			15	15	30u†	0	75	K1762		Quad Analog CMOS Switch;ton,toff 1us.
37	AD7510KD	17		MOS			15	15	30u†	0	75	K1762		Quad Analog CMOS Switch;ton,toff 1us.
38	AD7510KN	17		MOS			15	15	30u†	0	75	K1762		Quad Analog CMOS Switch;ton,toff 1us.
39	AD7510SD	17		MOS			15	15	30u†	-55	125	K1762		Quad Analog CMOS Switch;ton,toff 1us.
40	CD4066AD	17		MOS			5.0	5.0	5.0u%	-55	125	K1722	Δ001AD	Quad Bilateral Switch;tpd 10ns.
41	CD4066AE	17		MOS			5.0	5.0	50u%	-40	85	K1722	Δ001AB	Quad Bilateral Switch;tpd 10ns.
42	CD4066AH	17		MOS			5.0	5.0	5.0u%	-55	125	K1722	FC☑	Quad Bilateral Switch;tpd 10ns.
43	CD4066AK	17		MOS			5.0	5.0	5.0u%	-55	125	K1722	Δ004AF	Quad Bilateral Switch;tpd 10ns.
44	CDA11	17		MOH			15	0.0				K0224b	CN50	Ladder switch for up to 12 bit converters.
45	DG118MDD	17		MOS			20	0.0	750m	-55	125	K15137	TO116	4 Channel; Ton 300ns max; Toff 1.0us max.
46	DG118MFD	17		MOS			20	0.0	750m	-55	125	K15137	TO86	4 Channel; Ton 300ns max; Toff 1.0us max.
47	DG121MDD	17		MOS			20	10	750m	-55	125	K15142	TO116	3 Channel; Ton 300ns max; Toff 2.0us max.
48	DG121MFD	17		MOS			20	10	750m	-55	125	K15142	TO86	3 Channel; Ton 300ns max; Toff 2.0us max.
49	DG125MDD	17		MOS			20	0.0	750m	-55	125	K15140	TO116	5 Channel; Ton 300ns max; Toff 1.0us max.
50	DG125MFD	17		MOS			20	0.0	750m	-55	125	K15140	TO86	5 Channel; Ton 300ns max; Toff 1.0us max.
51	HD1-4066A2	17		MOS			0.0	10	5.0u%	-55	125	K1722	M126v	Quad Bilateral Switch;tpd 35ns typ.
52	HD1-4066A9	17		MOS			0.0	10	50u%	-40	85	K1722	M126v	Quad Bilateral Switch;tpd 35ns typ.
53	HD9-4066A2	17		MOS			0.0	10	5.0u%	-55	125	K1722	TO86	Quad Bilateral Switch;tpd 35ns typ.
54	HD9-4066A9	17		MOS			0.0	10	50u%	-40	85	K1722	TO86	Quad Bilateral Switch;tpd 35ns typ.
55	IG126DD	17					18	12	750m	-55	125	K177a	M105ah	2Chan.Driver with DPST Fet Switch;ton600ns
56	IG126FD	17					18	12	750m	-55	125	K177a	FP32a	2Chan.Driver with DPST Fet Switch;ton600ns
57	IG129DD	17					18	12	750m	-55	125	K177b	M105ah	2Chan.Driver with DPST Fet Switch;ton600ns
58	IG129FD	17					18	12	750m	-55	125	K177b	FP32a	2Chan.Driver with DPST Fet Switch;ton600ns
59	IG133DD	17					18	12	750m	-55	125	K178b	M105ah	2Chan.Driver with SPST Fet Switch;ton600ns
60	IG133FD	17					18	12	750m	-55	125	K178b	FP32a	2Chan.Driver with SPST Fet Switch;ton600ns
61	IG134DD	17					18	12	750m	-55	125	K178c	M105ah	2Chan.Driver with SPST Fet Switch;ton600ns
62	IG134FD	17					18	12	750m	-55	125	K178c	FP32a	2Chan.Driver with SPST Fet Switch;ton600ns
63	IG426DD	17					18	12	750m	0	70	K177d	M105ah	2Chan.Driver with DPST Fet Switch;ton1.0us
64	IG426FD	17					18	12	750m	0	70	K177d	FP32a	2Chan.Driver with DPST Fet Switch;ton1.0us
65	IG429DD	17					18	12	750m	0	70	K177d	M105ah	2Chan.Driver with DPST Fet Switch;ton1.0us
66	IG429FD	17					18	12	750m	0	70	K177d	FP32a	2Chan.Driver with DPST Fet Switch;ton1.0us
67	IG433DD	17					18	12	750m	0	70	K178d	M105ah	2Chan.Driver with SPST Fet Switch;ton1.0us
68	IG433FD	17					18	12	750m	0	70	K178d	FP32a	2Chan.Driver with SPST Fet Switch;ton1.0us
69	IG434DD	17					18	12	750m	0	70	K178d	M105ah	2Chan.Driver with SPST Fet Switch;ton1.0us
70	IG434FD	17					18	12	750m	0	70	K178d	FP32a	2Chan.Driver with SPST Fet Switch;ton1.0us
71	IH5009CPE	17					0.0	15	500m	0	70	K3825	M269	4 Chan;Rds(on)100Ω max;ton,toff 500ns.
72	IH5010CPE	17					0.0	15	500m	0	70	K3825	M269	4 Chan;Rds(on)150Ω max;ton,toff 500ns.
73	IH5011CPD	17					0.0	15	500m	0	70	K1736	M223a	4 Chan;Rds(on)100Ω max;ton,toff 500ns.
74	IH5012CPD	17					0.0	15	500m	0	70	K1736	M223a	4 Chan;Rds(on)150Ω max;ton,toff 500ns.
75	MM4616AD	17		MOS			5.0	5.0	500m	-55	125	K1754	M297a	Quad Bilateral Switch.
76	MM5616AN	17		MOS			5.0	5.0	500m	-40	85	K1754	M344	Quad Bilateral Switch.
77	NC450	17		MOH			15	5.0	1.2	-55	125	K176	CN48e	Dual Fet; Ron 50Ωmax.
78	NC451	17		MOH			15	5.0	1.2	-55	125	K176	CN48e	Dual Fet; Ron 100Ωmax.
79	SH3002HC	17		MON			10	10	350m	0	70	K0114	TO100	SPDT;TTL;ton 75ns typ.
80	SH3002HM	17		MON			10	10	350m	-55	125	K0114	TO100	SPDT;TTL;ton 75ns typ.
81	2110	17	1.0M				18	18	800m	-55	85	K1723	CN44	SPST Hybrid FET;BVCBO 125V;BVEBO 11V.
82	2110A	17	1.0M				18	18	800m	-55	125	K1723	CN44	SPST Hybrid FET;BVCBO 125V;BVEBO 11V.
83	CD4016AD	17	10M%	MOS			5.0	5.0	5.0u%	-55	125	K1722	Δ001AD	Quad Bilateral Switch;tpd 10ns.
84	CD4016AE	17	10M%	MOS			5.0	5.0	5.0u%	-40	85	K1722	Δ001AB	Quad Bilateral Switch;tpd 10ns.
85	CD4016AF	17	10M%	MOS			5.0	5.0	5.0u%	-55	125	K1722	Δ001AB	Quad Bilateral Switch;tpd 10ns.
86	CD4016AK	17	10M%	MOS			5.0	5.0	5.0u%	-55	125	K1722	Δ004AF	Quad Bilateral Switch;tpd 10ns.
87	CM4116AD	17	10M%	MOS			0.0	15	200m	-55	125	K1722	M105av	Quad Bilateral Switch;tpd 10ns.
88	CM4116AE	17	10M%	MOS			0.0	15	200m	-40	85	K1722	M105av	Quad Bilateral Switch;tpd 10ns.
89	CM4116AF	17	10M%	MOS			0.0	15	200m	-55	125	K1722	M105av	Quad Bilateral Switch;tpd 10ns.
90	SCL4016AC	17	40M%	MOS			5.0	5.0	5.0u%	-55	125	K1722	M475a	Quad Bilateral Switch;tpd 10ns.
91	SCL4016AD	17	40M%	MOS			5.0	5.0	5.0u%	-55	125	K1722	M475b	Quad Bilateral Switch;tpd 10ns.
92	SCL4016AE	17	40M%	MOS			5.0	5.0	5.0u%	-40	85	K1722	M475c	Quad Bilateral Switch;tpd 10ns.
93	SCL4016AF	17	40M%	MOS			5.0	5.0	5.0u%	-55	125	K1722	FP110	Quad Bilateral Switch;tpd 10ns.
94	SCL4016AH	17	40M%	MOS			5.0	5.0	5.0u%	-55	125	K1722	FC☑	Quad Bilateral Switch;tpd 10ns.
95	SCL4416AC	17	40M%	MOS			0.0	10	5.0u%	-55	125	K1754	M475a	Quad Bilateral DPDT Sw;tpd 10ns.
96	SCL4416AD	17	40M%	MOS			0.0	10	5.0u%	-55	125	K1754	M475b	Quad Bilateral DPDT Sw;tpd 10ns.
97	SCL4416AE	17	40M%	MOS			0.0	10	5.0u%	-40	85	K1754	M475c	Quad Bilateral DPDT Sw;tpd 10ns.
98	SCL4416AF	17	40M%	MOS			0.0	10	5.0u%	-55	125	K1754	FP110	Quad Bilateral DPDT Sw;tpd 10ns.
99	SCL4416AH	17	40M%	MOS			0.0	10	5.0u%	-55	125	K1754	FC☑	Quad Bilateral DPDT Sw;tpd 10ns.
100	MM450H	17		MOS	0.0	10	20	8.0	200m	-55	125	K172	CN38	Dual Differential Sw;Analog Input ±10V.
101	MM451H	17		MOS	0.0	10	20	8.0	200m	-55	125	K173	CN38	Four Channel Sw;Analog Input ±10V.
102	MM452D	17		MOS	0.0	10	20	8.0	200m	-55	125	K174	M297e	4 Transistor Pkg;Analog Input ±10V.
103	MM452F	17		MOS	0.0	10	20	8.0	200m	-55	125	K174	FP97b	4 Transistor Pkg;Analog Input ±10V.
104	MM455H	17		MOS	0.0	10	20	8.0	200m	-55	125	K1716	CN38	3 Transistor Pkg;Analog Input ±10V.
105	MM550H	17		MOS	0.0	10	20	8.0	200m	0	70	K172	CN38	Dual Differential Sw;Analog Input ±10V.
106	MM551H	17		MOS	0.0	10	20	8.0	200m	0	70	K173	CN38	Four Channel Sw;Analog Input ±10V.
107	MM552D	17		MOS	0.0	10	20	8.0	200m	0	70	K174	M297e	4 Transistor Pkg;Analog Input ±10V.
108	MM552F	17		MOS	0.0	10	20	8.0	200m	0	70	K174	FP97b	4 Transistor Pkg;Analog Input ±10V.
109	MM555H	17		MOS	0.0	10	20	8.0	200m	0	70	K1716	CN38	3 Transistor Pkg;Analog Input ±10V.
110	1101CD2	17		MOS	.50*	4.5%			500m	0	70	K1736c	M200t	1-Channel;Vin ±20V p-p.

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	1101CP2	17		MOS	.50*	4.5%			500m	0	70	K1736c	M239c	1-Channel;Vin ±20V.
2	1101MD2	17		MOS	.50*	4.5%			500m	-55	125	K1736c	M239c	1-Channel;Vin ±20V.
3	1102CD2	17		MOS	.50*	4.5%			500m	0	70	K1736b	M200t	2-Channel;Vin ±20V p-p.
4	1102CP2	17		MOS	.50*	4.5%			500m	0	70	K1736b	M239c	2-Channel;Vin ±20V.
5	1102MD2	17		MOS	.50*	4.5%			500m	-55	125	K1736b	M239c	2-Channel;Vin ±20V.
6	1103CD2	17		MOS	.50*	4.5%			500m	0	70	K1736a	M200t	3-Channel;Vin ±20V p-p.
7	1103CP2	17		MOS	.50*	4.5%			500m	0	70	K1736a	M200t	3-Channel;Vin ±20V p-p.
8	1103MD2	17		MOS	.50*	4.5%			500m	-55	125	K1736a	M200t	3-Channel;Vin ±20V.
9	1104CD2	17		MOS	.50*	4.5%			500m	0	70	K1736	M200t	4-Channel;Vin ±20V p-p.
10	1104CP2	17		MOS	.50*	4.5%			500m	0	70	K1736	M200t	4-Channel;Vin ±20V p-p.
11	1104MD2	17		MOS	.50*	4.5%			500m	-55	125	K1736	M200t	4-Channel;Vin ±20V.
12	AH5010CN	17			.50*	4.5*			500m†	-25	85	K3825	M344	4 Chan;RDS(on)150Ω max;ton,toff 500ns max.
13	AH5012CN	17			.50*	4.5*			500m†	-25	85	K1736	M345	4 Chan;RDS(on)150Ω max;ton,toff 500ns max.
14	AH5014CN	17			.50*	4.5*			500m†	-25	85	K3825a	M344	3 Chan;RDS(on)150Ω max;ton,toff 500ns max.
15	AH5016CN	17			.50*	4.5*			500m†	-25	85	K1736a	M345	3 Chan;RDS(on)150Ω max;ton,toff 500ns max.
16	AH5018CN	17			.50*	4.5*			500m†	-25	85	K3825b	M239b	2 Chan;RDS(on)150Ω max;ton,toff 500ns max.
17	AH5020CN	17			.50*	4.5*			500m†	-25	85	K1736b	M239b	2 Chan;RDS(on)150Ω max;ton,toff 500ns max.
18	AH5022CN	17			.50*	4.5*			500m†	-25	85	K3825c	M239b	1 Chan;RDS(on)150Ω max;ton,toff 500ns max.
19	AH5024CN	17			.50*	4.5*			500m†	-25	85	K1736c	M239b	1 Chan;RDS(on)150Ω max;ton,toff 500ns max.
20	IH5010CPD	17			.50*	4.5%			500m	0	70	K3825	M223a	4 Chan;Rds(on)150Ω max;ton,toff 500ns max.
21	IH5012CPE	17			.50*	4.5%			500m	0	70	K1736	M269	4 Chan;Rds(on)150Ω max;ton,toff 500ns max.
22	IH5014CPD	17			.50*	4.5%			500m	0	70	K3825a	M223a	3 Chan;Rds(on)150Ω max;ton,toff 500ns max.
23	IH5016CPE	17			.50*	4.5%			500m	0	70	K1736a	M269	3 Chan;Rds(on)150Ω max;ton,toff 500ns max.
24	IH5018CPA	17			.50*	4.5%			500m	0	70	K3825b	M239	2 Chan;Rds(on)150Ω max;ton,toff 500ns max.
25	IH5020CPA	17			.50*	4.5%			500m	0	70	K1736b	M239	2 Chan;Rds(on)150Ω max;ton,toff 500ns max.
26	IH5022CPA	17			.50*	4.5%			500m	0	70	K3825c	M239	1 Chan;Rds(on)150Ω max;ton,toff 500ns max.
27	IH5024CPA	17			.50*	4.5%			500m	0	70	K1736c	M239	1 Chan;Rds(on)150Ω max;ton,toff 500ns max.
28	DG111MDD	17		MOS	1.0*		20	10	750m	-55	125	K1729	TO116	2 Channel; Ton 300ns max; Toff 1.0us max.
29	DG111MFD	17		MOS	1.0*		20	10	750m	-55	125	K1729	TO86	2 Channel; Ton 300ns max; Toff 1.0us max.
30	DG112MDD	17		MOS	1.0*		20	10	750m	-55	125	K1730	TO116	2 Channel; Ton 300ns max; Toff 1.0us max.
31	DG112MFD	17		MOS	1.0*		20	10	750m	-55	125	K1730	TO86	2 Channel; Ton 300ns max; Toff 1.0us max.
32	DG116MDD	17		MOS	1.0*		20	0.0	750m	-55	125	K382a	TO116	4 Channel; Ton 300ns max; Toff 1.0us max.
33	DG116MFD	17		MOS	1.0*		20	0.0	750m	-55	125	K382a	TO86	2 Channel; Ton 300ns max; Toff 1.0us max.
34	DG120MDD	17		MOS	1.0*		20	10	750m	-55	125	K15141	TO116	3 Channel; Ton 300ns max; Toff 2.0us max.
35	DG120MFD	17		MOS	1.0*		20	10	750m	-55	125	K15141	TO86	5 Channel; Ton 300ns max; Toff 2.0us max.
36	DG123MDD	17		MOS	1.0*		20	0.0	750m	-55	125	K382b	TO116	5 Channel; Ton 300ns max; Toff 1.0us max.
37	DG123MFD	17		MOS	1.0*		20	0.0	750m	-55	125	K382b	TO86	5 Channel; Ton 300ns max; Toff 1.0us max.
38	DG123AL	17		MOS	1.3	.40	20	10	750m	-55	125	K382b	TO86	5 Chnl SPST FET Switches with Drivers.
39♦	DG123AP	17		MOS	1.3	.40	20	10	825m	-55	125	K382b	M535	5 Chnl SPST FET Switches with Drivers.
40	DG123BL	17		MOS	1.3	.40	20	10	750m	-20	85	K382b	TO86	5 Chnl SPST FET Switches with Drivers.
41♦	DG123BP	17		MOS	1.3	.40	20	10	825m	-20	85	K382b	M535	5 Chnl SPST FET Switches with Drivers.
42	DGM111AL	17		MOS	1.3	.40	20	10	750m	-55	125	K15143	TO86	2 CHNL Monolithic SPST Switch and Driver.
43▼	DGM111AP	17		MOS	1.3	.40	20	10	450m	-55	125	K15143	M535	2-Chan Monolithic SPST Switch and Driver.
44	DGM111BL	17		MOS	1.3	.40	20	10	750m	-20	85	K15143	TO86	2 CHNL Monolithic SPST Switch and Driver.
45▼	DGM111BP	17		MOS	1.3	.40	20	10	450m	-20	85	K15143	M535	2-Chan Monolithic SPST Switch and Driver.
46	DGM122AL	17		MOS	1.3	.40	20	10	750m	-55	125	K15143	TO86	2 Channel DPST Switch w/Driver.
47	DGM122AP	17		MOS	1.3	.40	20	10	750m	-55	125	K15143	TO116	2 Channel DPST Switch w/Driver.
48	DGM122BL	17		MOS	1.3	.40	20	10	750m	-20	85	K15143	TO86	2 Channel DPST Switch w/Driver.
49	DGM122BP	17		MOS	1.3	.40	20	10	750m	-20	85	K15143	TO116	2 Channel DPST Switch w/Driver.
50	MM450TW	17		MOS	1.5%		25	0.0	200m	-55	125	K1737	CN63	Rds(on)600Ω max;Id(off)200pA max.
51	MM451TW	17		MOS	1.5%		25	0.0	200m	-55	125	K3814a	CN63	Rds(on)600Ω max;Id(off)200pA max.
52	MM452FD	17		MOS	1.5%		25	0.0	200m	-55	125	K1738	TO86	Rds(on)600Ω max;Id(off)200pA max.
53	MM455TW	17		MOS	1.5%		25	0.0	200m	-55	125	K1738a	CN63	Rds(on)600Ω max;Id(off)200pA max.
54	MM550TW	17		MOS	1.5%		25	0.0	200m	-25	70	K1737	CN63	Rds(on)600Ω max;Id(off)20nA max.
55	MM551TW	17		MOS	1.5%		25	0.0	200m	-25	70	K3814a	CN63	Rds(on)600Ω max;Id(off)20nA max.
56	MM552FD	17		MOS	1.5%		25	0.0	200m	-25	70	K1738	TO86	Rds(on)600Ω max;Id(off)20nA max.
57	MM555TW	17		MOS	1.5%		25	0.0	200m	-25	70	K1738a	CN63	Rds(on)600Ω max;Id(off)20nA max.
58	AH5009CN	17			1.5*	11*			500m†	-25	85	K3825	M344	4 Chan;RDS(on)100Ω max;ton,toff 500ns max.
59	AH5011CN	17			1.5*	11*			500m†	-25	85	K1736	M345	4 Chan;RDS(on)100Ω max;ton,toff 500ns max.
60	AH5013CN	17			1.5*	11*			500m†	-25	85	K3825a	M344	3 Chan;RDS(on)100Ω max;ton,toff 500ns max.
61	AH5015CN	17			1.5*	11*			500m†	-25	85	K1736a	M345	3 Chan;RDS(on)100Ω max;ton,toff 500ns max.
62	AH5017CN	17			1.5*	11*			500m†	-25	85	K3825b	M239b	2 Chan;RDS(on)100Ω max;ton,toff 500ns max.
63	AH5019CN	17			1.5*	11*			500m†	-25	85	K1736b	M239b	2 Chan;RDS(on)100Ω max;ton,toff 500ns max.
64	AH5021CN	17			1.5*	11*			500m†	-25	85	K3825c	M239b	1 Chan;RDS(on)100Ω max;ton,toff 500ns max.
65	AH5023CN	17			1.5*	11*			500m†	-25	85	K1736c	M239b	1 Chan;RDS(on)100Ω max;ton,toff 500ns max.
66	IH5009CPD	17			1.5*	11%			500m	0	70	K3825	M223a	4 Chan;Rds(on)100Ω max;ton,toff 500ns max.
67	IH5011CPE	17			1.5*	11%			500m	0	70	K1736	M269	4 Chan;Rds(on)100Ω max;ton,toff 500ns max.
68	IH5013CPD	17			1.5*	11%			500m	0	70	K3825a	M223a	3 Chan;Rds(on)100Ω max;ton,toff 500ns max.
69	IH5015CPE	17			1.5*	11%			500m	0	70	K1736a	M269	3 Chan;Rds(on)100Ω max;ton,toff 500ns max.
70	IH5017CPA	17			1.5*	11%			500m	0	70	K3825b	M239	2 Chan;Rds(on)100Ω max;ton,toff 500ns max.
71	IH5019CPA	17			1.5*	11%			500m	0	70	K1736b	M239	2 Chan;Rds(on)100Ω max;ton,toff 500ns max.
72	IH5021CPA	17			1.5*	11%			500m	0	70	K3825c	M239	1 Chan;Rds(on)100Ω max;ton,toff 500ns max.
73	IH5023CPA	17			1.5*	11%			500m	0	70	K1736c	M239	1 Chan;Rds(on)100Ω max;ton,toff 500ns max.
74	1105CP1	17		MOS	1.5*	14%	0.0	10	500m	0	70	K1767c	M239c	1-Channel Analog Switch;Vin 20V.
75	1105CP2	17		MOS	1.5*	14%	0.0	10	500m	0	70	K1767c	M239c	1-Channel Analog Switch;Vin 20V.
76	1106CP1	17		MOS	1.5*	14%	0.0	10	500m	0	70	K1767b	M239c	2-Channel Analog Switch.
77	1106CP2	17		MOS	1.5*	14%	0.0	10	500m	0	70	K1767b	M239c	2-Channel Analog Switch.
78	1107CP1	17		MOS	1.5*	14%	0.0	10	500m	0	70	K1767a	M200t	3-Channel Analog Switch;Vin 20V.
79	1107CP2	17		MOS	1.5*	14%	0.0	10	500m	0	70	K1767a	M200t	3-Channel Analog Switch;Vin 20V.
80	1107MD1	17		MOS	1.5*	14%	0.0	10	500m	-55	125	K1767a	M324	3-Channel Analog Switch;Vin 20V.
81	1107MD2	17		MOS	1.5*	14%	0.0	10	500m	-55	125	K1767a	M324	3-Channel Analog Switch;Vin 20V.
82	1108CP1	17		MOS	1.5*	14%	0.0	10	500m	0	70	K1767	M200t	4-Channel Analog Switch;Vin 20V.
83	1108CP2	17		MOS	1.5*	14%	0.0	10	500m	0	70	K1767	M200t	4-Channel Analog Switch;Vin 20V.
84	1108MD1	17		MOS	1.5*	14%	0.0	10	500m	-55	125	K1767	M324	4-Channel Analog Switch;Vin 20V.
85	1108MD2	17		MOS	1.5*	14%	0.0	10	500m	-55	125	K1767	M324	4-Channel Analog Switch;Vin 20V.
86	CDA1-3	17		MOH	1.8%	.70*	15	0.0		-55	125	K0225	CN6c	Ladder Sw. for D/A Converters.
87	DAS2126B3	17	1.0M	TFH	2.0	0.0	15	15	1.2	-55	125		CN48k	SPDT;Ton 1.5nS;Toff 1.5nS.
88	AH0014CD	17		MOS	2.0%	.80*	0.0	5.0	11m%	-25	85	K15296	M297a	Res ON 200Ω max;ton 350ns;toff 400ns.
89	AH0014CF	17		MOS	2.0%	.80*	0.0	5.0	11m%	-25	85	K15296	FP87	Res On 200Ω max;ton 350ns;toff 400ns.
90	AH0014D	17		MOS	2.0%	.80*	0.0	5.0	11m%	-55	125	K15296	M297a	Res On 200Ω max;ton 350ns;toff 400ns.
91	AH0014F	17		MOS	2.0%	.80*	0.0	5.0	11m%	-55	125	K15296	FP87	Res On 200Ω max;ton 350ns;toff 400ns.
92	AH0015CD	17		MOS	2.0%	.80*	0.0	5.0	20m%	-25	85	K1753	M224b	Res On 200Ω max;ton 100ns;toff 400ns.
93	AH0015D	17		MOS	2.0%	.80*	0.0	5.0	20m%	-55	125	K1753	M224b	Res On 200Ω max;ton 100ns;toff 400ns.
94	AH0019CD	17		MOS	2.0%	.80*	0.0	5.0	10m%	-25	85	K15297	M297a	Res On 200Ω max;ton 100ns;toff 400ns.
95	AH0019CF	17		MOS	2.0%	.80*	0.0	5.0	10m%	-25	85	K15297	FP87	Res On 200Ω max;ton 100ns;toff 400ns.
96	AH0019D	17		MOS	2.0%	.80*	0.0	5.0	10m%	-55	125	K15297	M297a	Res On 200Ω max;ton 100ns;toff 400ns.
97	AH0019F	17		MOS	2.0%	.80*	0.0	5.0	10m%	-55	125	K15297	FP87	Res On 200Ω max;ton 100ns;toff 400ns.
98	CAG27	17		MOS	2.0%	.80*	15	15	90m†	-55	125	K1720	CN48g	SPST/SPDT;RDS 6.0Ωmax;Ton off 3.0us max.
99	CAG27-10	17		MOS	2.0%	.80*	15	15		-55	125	K1720	CN48g	SPST/SPDT;RDS 10Ωmax;Ton off 3.0us max.
100	DG180AA	17		MON	2.0%	.80*	15	15	450m	-55	125	K1778	TO100	2 Ch Driver with SPST JFET Switches.
101	DG180AL	17		MON	2.0%	.80*	15	15	750m	-55	125	K1778a	FP69c	2 Ch Driver with SPST JFET Switches.
102♦	DG180AP	17		MON	2.0%	.80*	15	15	825m	-55	125	K1778b	M535	2 Ch Driver with SPST JFET Switches.
103	DG180BA	17		MON	2.0%	.80*	15	15	450m	-20	85	K1778	TO100	2 Ch Driver with SPST JFET Switches.
104	DG180BL	17		MON	2.0%	.80*	15	15	750m	-20	85	K1778a	FP69c	2 Ch Driver with SPST JFET Switches.
105♦	DG180BP	17		MON	2.0%	.80*	15	15	825m	-20	85	K1778b	M535	2 Ch Driver with SPST JFET Switches.
106	DG181AA	17		MON	2.0	.80	15	15	750m	-55	125	K1743	TO100	Driver w/FET SW;ton 150ns;toff 130ns.
107	DG181AL	17		MON	2.0	.80	15	15	750m	-55	125		TO86	Driver w/FET SW;ton 150ns;toff 130ns.
108♦	DG181AP	17		MON	2.0	.80	15	15	1.2	-55	125		M535	Driver w/FET SW;ton 150ns;toff 130ns.
109	DG181BA	17		MON	2.0	.80	15	15	750m	-20	85	K1743	TO100	Driver w/FET SW;ton 180ns;toff 150ns.
110	DG181BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 180ns;toff 150ns.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	DG181BP	17		MON	2.0	.80	15	15	1.2	-20	85		M535	Driver w/FET SW;ton 180ns;toff 150ns.
2	DG182AA	17		MON	2.0	.80	15	15	750m	-55	125	K1743	TO100	Driver w/FET SW;ton 150ns;toff 130ns.
3	DG182AL	17		MON	2.0	.80	15	15	750m	-55	125		TO86	Driver w/FET SW;ton 250ns;toff 130ns.
4♦	DG182AP	17		MON	2.0	.80	15	15	1.2	-55	125		M535	Driver w/FET SW;ton 250ns;toff 130ns.
5	DG182BA	17		MON	2.0	.80	15	15	750m	-20	85	K1743	TO100	Driver w/FET SW;ton 180ns;toff 150ns.
6	DG182BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 300ns;toff 150ns.
7♦	DG182BP	17		MON	2.0	.80	15	15	1.2	-20	85		M535	Driver w/FET SW;ton 300ns;toff 150ns.
8	DG183AL	17		MON	2.0%	.80*	15	15	750m	-55	125	K1779	FP69c	2 Ch Driver with DPST JFET Switches.
9♦	DG183AP	17		MON	2.0%	.80*	15	15	900m	-55	125	K1779a	M537	2 Ch Driver with DPST JFET Switches.
10	DG183BL	17		MON	2.0%	.80*	15	15	750m	-20	85	K1779	FP69c	2 Ch Driver with DPST JFET Switches.
11♦	DG183BP	17		MON	2.0%	.80*	15	15	900m	-20	85	K1779a	M537	2 Ch.Driver with DPST JFET Switches.
12	DG184AL	17		MON	2.0	.80	15	15	750m	-55	125		TO86	Driver w/FET SW;ton 150ns;toff 130ns.
13♦	DG184AP	17		MON	2.0	.80	15	15	750m	-55	125	K1744	M537	Driver w/FET SW;ton 150ns;toff 130ns.
14	DG184BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 180ns;toff 150ns.
15♦	DG184BP	17		MON	2.0	.80	15	15	750m	-20	85	K1744	M537	Driver w/FET SW;ton 180ns;toff 150ns.
16	DG185AL	17		MON	2.0	.80	15	15	750m	-55	125		TO86	Driver w/FET SW;ton 250ns;toff 130ns.
17♦	DG185AP	17		MON	2.0	.80	15	15	750m	-55	125	K1744	M537	Driver w/FET SW;ton 150ns;toff 130ns.
18	DG185BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 300ns;toff 150ns.
19♦	DG185BP	17		MON	2.0	.80	15	15	750m	-20	85	K1744	M537	Driver w/FET SW;ton 180ns;toff 150ns.
20	DG186AA	17		MON	2.0%	.80*	15	15	450m	-55	125	K1780	TO100	One Ch Driver with SPDT JFET Switches.
21	DG186AL	17		MON	2.0%	.80*	15	15	750m	-55	125	K1780a	FP69c	One Ch Driver with SPDT JFET Switches.
22♦	DG186AP	17		MON	2.0%	.80*	15	15	825m	-55	125	K1780b	M535	One Ch Driver with SPDT JFET Switches.
23	DG186BA	17		MON	2.0%	.80*	15	15	450m	-20	85	K1780	TO100	One Ch Driver with SPDT JFET Switches.
24	DG186BL	17		MON	2.0%	.80*	15	15	750m	-20	85	K1780a	FP69c	One Ch Driver with SPDT JFET Switches.
25♦	DG186BP	17		MON	2.0%	.80*	15	15	825m	-20	85	K1780b	M535	One Ch Driver with SPDT JFET Switches.
26	DG187AA	17		MON	2.0	.80	15	15	750m	-55	125	K1745	TO100	Driver w/FET SW;ton 150ns;toff 130ns.
27	DG187AL	17		MON	2.0	.80	15	15	750m	-55	125		TO86	Driver w/FET SW;ton 150ns;toff 130ns.
28♦	DG187AP	17		MON	2.0	.80	15	15	1.2	-55	125		M535	Driver w/FET SW;ton 150ns;toff 130ns.
29	DG187BA	17		MON	2.0	.80	15	15	750m	-20	85	K1745	TO100	Driver w/FET SW;ton 180ns;toff 150ns.
30	DG187BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 180ns;toff 150ns.
31♦	DG187BP	17		MON	2.0	.80	15	15	1.2	-20	85		M535	Driver w/FET SW;ton 180ns;toff 150ns.
32	DG188AA	17		MON	2.0	.80	15	15	750m	-55	125	K1745	TO100	Driver w/FET SW;ton 150ns;toff 130ns.
33▼	DG188AL	17		MON	2.0%	.80*	15	15	750m	-55	125	K1745	TO86	Driver w/FET SW;ton 250ns;toff 130ns.
34▼	DG188AP	17		MON	2.0%	.80*	15	15	825m	-55	125	K1745	M535	Driver w/FET SW;ton 250ns;toff 130ns.
35	DG188BA	17		MON	2.0	.80	15	15	750m	-20	85	K1745	TO100	Driver w/FET SW;ton 180ns;toff 150ns.
36	DG188BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 300ns;toff 150ns.
37♦	DG188BP	17		MON	2.0	.80	15	15	1.2	-20	85		M535	Driver w/FET SW;ton 300ns;toff 150ns.
38	DG189AL	17		MON	2.0%	.80*	15	15	700m	-55	125	K1781	FP69c	2 Ch Driver with SPDT JFET Switches.
39♦	DG189AP	17		MON	2.0%	.80*	15	15	900m	-55	125	K1781a	M537	2 Ch Driver with SPDT JFET Switches.
40	DG189BL	17		MON	2.0%	.80*	15	15	700m	-20	85	K1781	FP69c	2 Ch Driver with SPDT JFET Switches.
41♦	DG189BP	17		MON	2.0%	.80*	15	15	900m	-20	85	K1781a	M537	2 Ch Driver with SPDT JFET Switches.
42	DG190AL	17		MON	2.0	.80	15	15	750m	-55	125		TO86	Driver w/FET SW;ton 150ns;toff 130ns.
43♦	DG190AP	17		MON	2.0	.80	15	15	750m	-55	125	K1746	M537	Driver w/FET SW;ton 150ns;toff 130ns.
44	DG190BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 180ns;toff 150ns.
45♦	DG190BP	17		MON	2.0	.80	15	15	750m	-20	85	K1746	M537	Driver w/FET SW;ton 180ns;toff 150ns.
46	DG191AL	17		MON	2.0	.80	15	15	750m	-55	125		TO86	Driver w/FET SW;ton 250ns;toff 130ns.
47♦	DG191AP	17		MON	2.0	.80	15	15	750m	-55	125	K1746	M537	Driver w/FET SW;ton 150ns;toff 130ns.
48	DG191BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 300ns;toff 150ns.
49♦	DG191BP	17		MON	2.0	.80	15	15	750m	-20	85	K1746	M537	Driver w/FET SW;ton 180ns;toff 150ns.
50	DG200AA	17		MOS	2.0	.80	15	15	450m	-55	125	K1752	TO100	CMOS Analog Gate;ton 1.0us;toff 500ns.
51	DG200AL	17		MOS	2.0	.80	15	15	750m	-55	125		TO86	CMS Analog Gate;ton 1.0us;toff 500ns.
52	DG200BA	17		MOS	2.0	.80	15	15	450m	-20	85	K1752	TO100	CMOS Analog Gate;ton 1.0us;toff 500ns.
53	DG200BL	17		MOS	2.0	.80	15	15	750m	-20	85		TO86	CMS Analog Gate;ton 1.0us;toff 500ns.
54♦	DG201AP	17		MOS	2.0	.80	15	15	1.2	-55	125	K1758	M537	CMS 4 SPST Gate;ton 1.0us max;toff500nsmax
55♦	DG201BP	17		MOS	2.0	.80	15	15	1.2	-55	125	K1758	M537	CMS 4 SPST Gate;ton 520ns;toff 330ns max.
56	DG201CJ	17		MOS	2.0	.80	15	15	470m	0	70	K1758	TO116	CMS 4 SPST Analog Gate;ton520ns;toff330ns.
57	LF1650D	17		MON	2.0%	.80*	15	15	800m	-55	125	K1777	M346	Quad JFET Analog Switch.
58	LF2650D	17		MON	2.0%	.80*	15	15	800m	-25	85	K1777	M346	Quad JFET Analog Switch.
59	LF3650D	17		MON	2.0%	.80*	15	15	800m	0	70	K1777	M346	Quad JFET Analog Switch.
60	LF3650N	17		MON	2.0%	.80*	15	15	570m	0	70	K1777	M345	Quad JFET Analog Switch.
61▼	SI3002BP	17		MOS	2.0	.80	20	10	500m	-20	85	K1710b	M535	MOS SW w/Driver;Rds(on)100Ω.
62	CAG30	17		MOS	2.0%	1.0*	18	18	150m	-55	125	K1719	TO100	SPST;RDS60Ωmax;Ton1.0us max;Toff500nsmax.
63	CDA28A	17		MOH	2.0%	1.0*	15	15	420m%	-55	125	K1751	TO116	Quad Dual Reference Ladders with ±10V Ref.
64	CDA28B	17		MOH	2.0%	1.0*	15	15	420m%	0	70	K1751	TO116	Quad Dual Reference Ladders with ±10V Ref.
65	CDA29A	17		MOS	2.0%	1.0*	15	15	450m%	-55	125		TO101	Dual;VRef ±10V.
66	CDA29B	17		MOS	2.0%	1.0*	15	15	450m%	0	70		TO101	Dual;VRef ±10V.
67	CDR5	17		MON	2.0%	1.0*	15	15	150m	-55	125	K0548	CN6e	Gate Driver; tpd 1 1.0us max.
68	SI3002AA	17		MOS	2.0	8.0	20	10	500m	-55	125	K1710a	TO100	MOS SW/w/Driver;rds(on)100Ω.
69	CAG10D	17		MOS	2.4%	.60*	15	15		-55	125		TO100	FET;SPST;Vin 5V max.
70	1109CD1	17		MOS	2.4	.80	15	15	450m	0	70	K1755a	M324	CMOS;SPST;Vin 20V p-p.
71	1109CP1	17		MOS	2.4	.80	15	15	450m	0	70	K1755a	M324	CMOS;SPST;Vin 20V p-p.
72	1109MD1	17		MOS	2.4	.80	15	15	450m	-55	125	K1755a	M324	CMOS;SPST;Vin 20V p-p.
73	1110CD1	17		MOS	2.4	.80	15	15	450m	0	70	K1743d	M324	CMOS;Dual SPST;Vin 20V p-p.
74	1110CP1	17		MOS	2.4	.80	15	15	450m	0	70	K1743d	M324	CMOS;Dual SPST;Vin 20Vp-p.
75	1110MD1	17		MOS	2.4	.80	15	15	450m	-55	125	K1743d	M324	CMOS;Dual SPST;Vin 20Vp-p.
76	1111CD1	17		MOS	2.4	.80	15	15	450m	0	70	K1745	M324	CMOS;SPDT;Vin 20V p-p.
77	1111CP1	17		MOS	2.4	.80	15	15	450m	0	70	K1745	M324	CMOS;SPDT;Vin 20V p-p.
78	1111MD1	17		MOS	2.4	.80	15	15	450m	-55	125	K1745	M324	CMOS;SPDT;Vin 20V p-p.
79	1112CD1	17		MOS	2.4	.80	15	15	450m	0	70	K1746	M324	CMOS;Dual SPDT;Vin 20V p-p.
80	1112CP1	17		MOS	2.4	.80	15	15	450m	0	70	K1746	M324	CMOS;Dual SPDT;Vin 20V p-p.
81	1112MD1	17		MOS	2.4	.80	15	15	450m	-55	125	K1746	M324	CMOS;Dual SPDT;Vin 20V p-p.
82	1113CD1	17		MOS	2.4	.80	15	15	450m	0	70	K1756	M324	CMOS;DPST;Vin 20V p-p.
83	1113CP1	17		MOS	2.4	.80	15	15	450m	0	70	K1756	M324	CMOS;DPST;Vin 20V p-p.
84	1113MD1	17		MOS	2.4	.80	15	15	450m	-55	125	K1756	M324	CMOS;DPST;Vin 20V p-p.
85	1114CD1	17		MOS	2.4	.80	15	15	450m	0	70	K1744	M324	CMOS;Dual DPST;Vin 20V p-p.
86	1114CP1	17		MOS	2.4	.80	15	15	450m	0	70	K1744	M324	CMOS;Dual DPST;Vin 20V p-p.
87	1114MD1	17		MOS	2.4	.80	15	15	450m	-55	125	K1744	M324	CMOS;Dual DPST;Vin 20V p-p.
88	1115CD1	17		MOS	2.4	.80	15	15	450m	0	70	K1757a	M324	CMOS;DPDT;Vin 20V p-p.
89	1115CP1	17		MOS	2.4	.80	15	15	450m	0	70	K1757a	M324	CMOS;DPDT;Vin 20V p-p.
90	1115MD1	17		MOS	2.4	.80	15	15	450m	-55	125	K1757a	M324	CMOS;DPDT;Vin 20V p-p.
91	1116CD1	17		MOS	2.4	.80	15	15	450m	0	70	K1769	M324	CMOS;4PST;Vin 20V p-p.
92	1116CP1	17		MOS	2.4	.80	15	15	450m	0	70	K1769	M324	CMOS;4PST;Vin 20V p-p.
93	1116MD1	17		MOS	2.4	.80	15	15	450m	-55	125	K1769	M324	CMOS;4PST;Vin 20V p-p.
94	AD7511KD	17		MON	2.4%	.80*	15	15	450m	0	75		M361	Quad;RDS(ON) 75Ω;ton 1.2us;toff 800ns.
95	AD7511KN	17		MON	2.4%	.80*	15	15	670m	0	75		M345a	Quad;RDS(ON) 75Ω;ton 1.2us;toff 800ns.
96	AD7511TD	17		MON	2.4%	.80*	15	15	450m	-55	125		M361	Quad;RDS(ON) 75Ω;ton 1.2us;toff 800ns.
97	AD7512KD	17		MON	2.4%	.80*	15	15	450m	0	75	K1763		Dual SPDT;R(ON)70Ω;trans time 1.2us.
98	AD7512KN	17		MON	2.4%	.80*	15	15	670m	0	75	K1763	M105aj	Dual SPDT;R(ON)70Ω;trans time 1.2us.
99	AD7512TD	17		MON	2.4%	.80*	15	15	450m	-55	125	K1763		Dual SPDT;R(ON) 70Ω;trans time 1.2us.
100	AD7513KH	17		MON	2.4%	.80*	15	15	450m	0	75	K1764	TO100	Dual SPDT;RDS(ON) 55Ω;ton 700ns.
101	AD7513KN	17		MON	2.4%	.80*	15	15	670m	0	75	K1764	M105aj	Dual SPDT;RDS(ON) 55Ω;ton 700ns.
102	AD7513TH	17		MON	2.4%	.80*	15	15	450m	-55	125	K1764	TO100	Dual SPDT;RDS(ON) 55Ω;ton 700ns.
103	CAG10	17		MOS	2.4%	.80*	15	15		-55	125	K0230	CN57a	SPST;Rds 30Ωmax;Ton 50nsec;Toff50nsec.
104	CAG10A	17		MOS	2.4%	.80*	15	15		-55	125	K0230	CN57a	SPST;Rds 6.0Ωmax;Ton 50nsec;Toff 100nsec.
105	CAG10B	17		MOS	2.4%	.80*	15	15		-55	125	K0230	CN57a	SPST;Rds 50Ωmax;Ton50nsec;Toff50nsec.
106	CAG10C	17		MOS	2.4%	.80*	15	15		-55	125	K0230	CN57a	SPST;Rds 10Ωmax;Ton 50nsec;Toff 100nsec.
107	CAG13	17		MOS	2.4%	.80*	15	15	65mt	-55	125	K1714	TO100	SPST or SPDT;Rds50Ωmax;TonToff 500ns max.
108	CAG13A	17		MOS	2.4%	.80*	15	15	65mt	-55	125	K1714	TO100	SPST or SPDT;Rds50Ωmax;TonToff500ns max.
109	CAG13C	17		MOS	2.4%	.80*	15	15	65mt	-55	125	K1714	FP70	SPST or SPDT;Rds50Ωmax;TonToff500nsmax.
110	CAG13D	17		MOH	2.4%	.80*	15	15	65mt	-55	125	K1720a	CN48g	SPST/SPDT;RDS 50Ωmax;Ton off 500ns mas.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	CAG24	17		MOS	2.4%	.80*	15	15	6.0mt	-55	125	K1721	CN48g	SPST/SPDT;RDS 30Ωmax;Ton off 10us max.
2	CAG42	17		MOS	2.4%	.80*	15	15	90mt	-55	125	K1714	TO100	Dual FET Sw;Rds 50Ω max;±10V Signals.
3	CAG45A	17		MOS	2.4%	.80*	15	15	65mt	-55	125	K1714b	TO116	Dual FET Sw;Rds 50Ω max;±10V Signals.
4	CAG48A	17		MOS	2.4%	.80*	15	15	65mt	-55	125	K1750	M54b	Dual DPST FET Sw;Rds 50Ω max;±10V Signals.
5	CSH101A	17		MOH	2.4%	.80*	15	15	300m%	-55	125	K1776	M54d	Univ.Anal.Module for S/H.
6	CSH101B	17		MOH	2.4%	.80*	15	15	300m%	0	70	K1776	M54d	Univ.Anal.Module for S/H.
7	DG200AP	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1743c	M324	CMS Dual SPST;RDS(ON)70Ω;ton 1.0us max.
8	DG200BP	17		MOS	2.4%	.80*	15	15	450m	0	70	K1743c	M324	CMS Dual SPST;RDS(ON)70Ω;ton 1.0us max.
9▼	DG200CJ	17		MOS	2.4%	.80*	15	15	750m	0	70	K1752	TO116	CMOS Analog Gate;ton 1.0us;toff 500ns.
10	IH5040CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1755a	M324	CMS SPST;RDS(on)75Ω max;ton1.0us;toff500ns
11	IH5040CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1755a	M324	CMS SPST;RDS(on)75Ω max;ton1.0us;toff500ns
12	IH5040MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1755a	M324	CMS SPST;RDS(on)75Ω max;ton1.0us;toff500ns
13	IH5040MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1755	FP94	CMS SPST;RDS(on)75Ω max;ton1.0us;toff500ns
14	IH5041CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1743d	M324	CMS Dual SPST;RDS(on)75Ω max;ton 1.0us.
15	IH5041CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1743d	M324	CMS Dual SPST;RDS(on)75Ω max;ton 1.0us.
16	IH5041MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1743d	M324	CMS Dual SPST;RDS(on)75Ω max;ton 1.0us.
17	IH5041MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1743a	FP94	CMS Dual SPST;RDS(on)75Ω max;ton 1.0us.
18	IH5042CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1745b	M324	CMS SPDT;RDS(on)75Ω max;ton1.0us;toff500ns
19	IH5042CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1745b	M324	CMS SPDT;RDS(on)75Ω max;ton1.0us;toff500ns
20	IH5042CTW	17		MOS	2.4%	.80*	15	15	450m	0	70	K1745c	TO100	CMS SPDT;RDS(on)75Ω max;ton1.0us;toff500ns
21	IH5042MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1745b	M324	CMS SPDT;RDS(on)75Ω max;ton1.0us;toff500ns
22	IH5042MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1745a	FP94	CMS SPDT;RDS(on)75Ω max;ton1.0us;toff500ns
23	IH5042MTW	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1745c	TO100	CMS SPDT;RDS(on)75Ω max;ton1.0us;toff500ns
24	IH5043CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1746	M324	CMS Dual SPDT;RDS(on)75Ω max;ton 1.0us.
25	IH5043CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1746	M324	CMS Dual SPDT;RDS(on)75Ω max;ton 1.0us.
26	IH5043MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1746	M324	CMS Dual SPDT;RDS(on)75Ω max;ton 1.0us.
27	IH5043MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1746a	FP99	CMS Dual SPDT;RDS(on)75Ω max;ton 1.0us.
28	IH5044CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1756a	M324	CMS DPST;RDS(on)75Ω max;ton1.0us;toff500ns
29	IH5044CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1746	M324	CMS DPST;RDS(on)75Ω max;ton1.0us;toff500ns
30	IH5044CTW	17		MOS	2.4%	.80*	15	15	450m	0	70	K1756b	TO100	CMS DPST;RDS(on)75Ω max;ton1.0us;toff500ns
31	IH5044MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1756a	M324	CMS DPST;RDS(on)75Ω max;ton1.0us;toff500ns
32	IH5044MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1756	FP99	CMS DPST;RDS(on)75Ω max;ton1.0us;toff500ns
33	IH5044MTW	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1756b	TO100	CMS DPST;RDS(on)75Ω max;ton1.0us;toff500ns
34	IH5045CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1744	M324	CMS Dual DPST;RDS(on)75Ω max;ton 1.0us.
35	IH5045CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1744	M324	CMS Dual DPST;RDS(on)75Ω max;ton 1.0us.
36	IH5045MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1744	M324	CMS Dual DPST;RDS(on)75Ω max;ton 1.0us.
37	IH5045MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1744a	FP99	CMS Dual DPST;RDS(on)75Ω max;ton 1.0us.
38	IH5046CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1757a	M324	CMS DPDT;RDS(on)75Ω max;ton1.0us;toff500ns
39	IH5046CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1757a	M324	CMS DPDT;RDS(on)75Ω max;ton1.0us;toff500ns
40	IH5046CTW	17		MOS	2.4%	.80*	15	15	450m	0	70		TO100	CMS DPDT;RDS(on)75Ω max;ton1.0us;toff500ns
41	IH5046MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1757a	M324	CMS DPDT;RDS(on)75Ω max;ton1.0us;toff500ns
42	IH5046MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1757	FP99	CMS DPDT;RDS(on)75Ω max;ton1.0us;toff500ns
43	IH5046MTW	17		MOS	2.4%	.80*	15	15	450m	-55	125		TO100	CMS DPDT;RDS(on)75Ω max;ton1.0us;toff500ns
44	IH5047CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1757a	M324	CMS 4PST;RDS(on)75Ω max;ton1.0us;toff500ns
45	IH5047CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1757a	M324	CMS 4PST;RDS(on)75Ω max;ton1.0us;toff500ns
46	IH5047MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1757a	M324	CMS 4PST;RDS(on)75Ω max;ton1.0us;toff500ns
47	IH5047MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1757	FP99	CMS 4PST;RDS(on)75Ω max;ton1.0us;toff500ns
48	IH5048CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1743c	M324	CMS Dual SPST;RDS(on)30Ω max;ton 1.0us.
49	IH5048CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1743c	M324	CMS Dual SPST;RDS(on)30Ω max;ton 1.0us.
50	IH5048CTW	17		MOS	2.4%	.80*	15	15	450m	0	70	K1743	TO100	CMS Dual SPST;RDS(on)30Ω max;ton 1.0us.
51	IH5048MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1743c	M324	CMS Dual SPST;RDS(on)30Ω max;ton 1.0us.
52	IH5048MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1743b	FP99	CMS Dual SPST;RDS(on)30Ω max;ton 1.0us.
53	IH5048MTW	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1743	TO100	CMS Dual SPST;RDS(on)30Ω max;ton 1.0us.
54	IH5049CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1744	M324	CMS Dual DPST;RDS(on)30Ω max;ton 1.0us.
55	IH5049CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1744	M324	CMS Dual DPST;RDS(on)30Ω max;ton 1.0us.
56	IH5049MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1744	M324	CMS Dual DPST;RDS(on)30Ω max;ton 1.0us.
57	IH5049MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1744a	FP99	CMS Dual DPST;RDS(on)30Ω max;ton 1.0us.
58	IH5050CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1745b	M324	CMS SPDT;RDS(on)30Ω max;ton1.0us;toff500ns
59	IH5050CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1745b	M324	CMS SPDT;RDS(on)30Ω max;ton1.0us;toff500ns
60	IH5050CTW	17		MOS	2.4%	.80*	15	15	450m	0	70	K1745c	TO100	CMS SPDT;RDS(on)30Ω max;ton1.0us;toff500ns
61	IH5050MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1745b	M324	CMS SPDT;RDS(on)30Ω max;ton1.0us;toff500ns
62	IH5050MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1745a	FP99	CMS SPDT;RDS(on)30Ω max;ton1.0us;toff500ns
63	IH5050MTW	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1745c	TO100	CMS SPDT;RDS(on)30Ω max;ton1.0us;toff500ns
64	IH5051CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1746	M324	CMS Dual SPDT;RDS(on)30Ω max;ton 1.0us.
65	IH5051CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1746	M324	CMS Dual SPDT;RDS(on)30Ω max;ton 1.0us.
66	IH5051MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1746	M324	CMS Dual SPDT;RDS(on)30Ω max;ton 1.0us.
67	IH5051MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1746a	FP99	CMS Dual SPDT;RDS(on)30Ω max;ton 1.0us.
68	MH453F	17		MOS	2.4	.80*	30	30	6.0m	-55	125	K174		DTL/TTL Compatible MOS Switch.
69	DG126AL	17		MOS	2.5	.80	18	12	750m	-55	125	K177j	TO86	2 Channel Driver w/FET Switches.
70♦	DG126AP	17		MOS	2.5	.80	18	12	750m	-55	125	K177j	M535	2 Channel Driver w/FET Switches.
71▼	DG126BL	17		MOS	2.5%	.80*	18	12	750m	-20	85	K177h	TO86	2 Channel Driver w/FET Switches.
72▼	DG126BP	17		MOS	2.5%	.80*	18	12	825m	-20	85	K177h	M535	2 Channel Driver w/FET Switches.
73	DG129AL	17		MOS	2.5	.80	18	12	750m	-55	125	K177k	TO86	2 Channel Driver w/FET Switches.
74	DG129AP	17		MOS	2.5	.80	18	12	750m	-55	125	K177k	TO116	2 Channel Driver w/FET Switches.
75▼	DG129BL	17		MOS	2.5%	.80*	18	12	750m	-20	85	K177f	TO86	2 Channel Driver w/FET Switches.
76▼	DG129BP	17		MOS	2.5%	.80*	18	12	825m	-20	85	K177f	M535	2 Channel Driver w/FET Switches.
77	DG133AL	17		MOS	2.5	.80	18	12	750m	-55	125	K178j	TO86	2 Channel Driver w/FET Switches.
78♦	DG133AP	17		MOS	2.5	.80	18	12	750m	-55	125	K178j	M535	2 Channel Driver w/FET Switches.
79	DG133BL	17		MOS	2.5	.80	18	12	750m	-20	85	K178j	TO86	2 Chnl Driver with FET Switches.
80♦	DG133BP	17		MOS	2.5	.80	18	12	825m	-20	85	K178j	M535	2 Chnl Driver with FET Switches.
81	DG134AL	17		MOS	2.5	.80	18	12	750m	-55	125	K178k	TO86	2 Channel Driver w/FET Switches.
82♦	DG134AP	17		MOS	2.5	.80	18	12	750m	-55	125	K178k	M535	2 Channel Driver w/FET Switches.
83▼	DG134BL	17		MOS	2.5%	.80*	18	12	750m	-20	85	K178h	TO86	2 Channel Driver w/FET Switches.
84▼	DG134BP	17		MOS	2.5%	.80*	18	12	825m	-20	85	K178h	M535	2 Channel Driver w/FET Switches.
85	DG140AL	17		MOS	2.5	.80	18	12	750m	-55	125	K177m	TO86	2 Channel Driver w/FET Switches.
86▼	DG140BL	17		MOS	2.5%	.80*	18	12	750m	-20	85	K177n	TO86	2 Channel Driver w/FET Switches.
87	DG141AL	17		MOS	2.5	.80	18	12	750m	-55	125	K178m	TO86	2 Channel Driver w/FET Switches.
88♦	DG141AP	17		MOS	2.5	.80	18	12	750m	-55	125	K178m	M535	2 Channel Driver w/FET Switches.
89▼	DG141BL	17		MOS	2.5%	.80*	18	12	750m	-20	85	K178n	TO86	2 Channel Driver w/FET Switches.
90▼	DG141BP	17		MOS	2.5%	.80*	18	12	825m	-20	85	K178n	M535	2 Channel Driver w/FET Switches.
91	DG151AL	17		MOS	2.5	.80	15	15	750m	-55	125	K178n	TO86	Driver w/FET SW;ton 1.0us;toff 2.5us.
92♦	DG151AP	17		MOS	2.5	.80	15	15	750m	-55	125	K178n	M535	Driver w/FET SW;ton 1.0us;toff 2.5us.
93	DG151BL	17		MOS	2.5	.80	15	15	750m	-20	85	K178p	TO86	Driver w/FET SW;ton 1.5us;toff 2.5us.
94♦	DG151BP	17		MOS	2.5	.80	15	15	750m	-20	85	K178p	M535	Driver w/FET SW;ton 1.5us;toff 2.5us.
95	DG152AL	17		MOS	2.5	.80	15	15	750m	-55	125	K178q	TO86	Driver w/FET SW;ton 600ns;toff 1.5us.
96♦	DG152AP	17		MOS	2.5	.80	15	15	750m	-55	125	K178q	M535	Driver w/FET SW;ton 600ns;toff 1.5us.
97	DG152BL	17		MOS	2.5	.80	15	15	750m	-20	85	K178r	TO86	Driver w/FET SW;ton 1.0us;toff 2.0us.
98♦	DG152BP	17		MOS	2.5	.80	15	15	750m	-20	85	K178r	M535	Driver w/FET SW;ton 1.0us;toff 2.0us.
99	DG153AL	17		MOS	2.5	.80	15	15	750m	-55	125	K177n	TO86	Driver w/FET SW;ton 1.0us;toff 2.5us.
100	DG153BL	17		MOS	2.5	.80	15	15	750m	-20	85	K177p	TO86	Driver w/FET SW;ton 1.5us;toff 2.5us.
101	DG154AL	17		MOS	2.5	.80	15	15	750m	-55	125	K177q	TO86	Driver w/FET SW;ton 600ns;toff 1.5us.
102	DG154AP	17		MOS	2.5	.80	15	15	750m	-55	125	K177q	TO116	Driver w/FET SW;ton 600ns;toff 1.5us.
103	DG154BL	17		MOS	2.5	.80	15	15	750m	-20	85	K177r	TO86	Driver w/FET SW;ton 1.0us;toff 2.0us.
104	DG154BP	17		MOS	2.5	.80	15	15	750m	-20	85	K177r	TO116	Driver w/FET SW;ton 1.0us;toff 2.0us.
105	DG161AL	17		MOS	2.5	.80	15	15	750m	-55	125	K0249n	TO86	Driver w/FET SW;ton 1.0us;toff 800ns.
106	DG161AP	17		MOS	2.5	.80	15	15	750m	-55	125	K0249n	TO116	Driver w/FET SW;ton 1.0us;toff 800ns.
107	DG161BL	17		MOS	2.5	.80	15	15	750m	-20	85	K0249p	TO86	Driver w/FET SW;ton 1.5us;toff 1.0us.
108	DG161BP	17		MOS	2.5	.80	15	15	750m	-20	85	K0249p	TO116	Driver w/FET SW;ton 1.5us;toff 1.0us.
109	DG162AL	17		MOS	2.5	.80	15	15	750m	-55	125	K0249q	TO86	Driver w/FET SW;ton 2.5us;toff 1.5us.
110	DG162AP	17		MOS	2.5	.80	15	15	750m	-55	125	K0249q	TO116	Driver w/FET SW;ton 2.5us;toff 1.5us.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	DG162BL	17		MOS	2.5	.80	15	15	750m	-20	85	K0249r	TO86	Driver w/FET SW;ton 2.5us;toff 2.0us.
2	DG162BP	17		MOS	2.5	.80	15	15	750m	-20	85	K0249r	TO116	Driver w/FET SW;ton 2.5us;toff 2.0us.
3	DG163AL	17		MOS	2.5	.80	15	15	750m	-55	125	K0248n	TO86	Driver w/FET SW;ton 1.0us;toff 800ns.
4	DG163BL	17		MOS	2.5	.80	15	15	750m	-20	85	K0248p	TO86	Driver w/FET SW;ton 1.5us;toff 1.0us.
5	DG164AL	17		MOS	2.5	.80	15	15	750m	-55	125	K0248q	TO86	Driver w/FET SW;ton 2.5us;toff 1.5us.
6	DG164AP	17		MOS	2.5	.80	15	15	750m	-55	125	K0248q	TO116	Driver w/FET SW;ton 2.5us;toff 1.5us.
7	DG164BL	17		MOS	2.5	.80	15	15	750m	-20	85	K0248r	TO86	Driver w/FET SW;ton 2.5us;toff 2.0us.
8	DG164BP	17		MOS	2.5	.80	15	15	750m	-20	85	K0248r	TO116	Driver w/FET SW;ton 2.5us;toff 2.0us.
9▼	DG170AP	17		MOS	2.5	.80	18	12	450m	-55	125	K1770	M537	3xSPDT Switch with Driver.
10▼	DG170BP	17		MOS	2.5	.80	18	12	450m	-20	85	K1770	M537	3xSPDT Switch with Driver.
11	DG170CJ	17		MOS	2.5	.80	18	12	470m	0	70	K1770	M200z	3xSPDT Switch with Driver.
12	NC2126	17	1.0M		2.5	.80	15	15	1.8	-55	125	K1718	CN48m	SPDT FET Analog Switch.
13	NC2137	17	1.0M		2.5	.80	15	15	1.2	-55	125	K1718	CN48e	SPDT FET Analog Switch.
14	DG126ADD	17			2.5%	1.0	18	12	750m	-55	125	K177a	M235	2Chan.Driver with DPST Fet Switch;ton300ns
15	DG126AFD	17			2.5%	1.0	18	12	750m	-55	125	K177a	FP69b	2Chan.Driver with DPST Fet Switch;ton300ns
16	DG126DD	17			2.5%	1.0	18	12	750m	-55	125	K177a	M235	2Chan.Driver with DPST Fet Switch;ton600ns
17	DG126FD	17			2.5%	1.0	18	12	750m	-55	125	K177a	FP69b	2Chan.Driver with DPST Fet Switch;ton600ns
18	DG129ADD	17			2.5%	1.0	18	12	750m	-55	125	K177b	M235	2Chan.Driver with DPST Fet Switch;ton300ns
19	DG129AFD	17			2.5%	1.0	18	12	750m	-55	125	K177b	FP69b	2Chan.Driver with DPST Fet Switch;ton300ns
20	DG129DD	17			2.5%	1.0	18	12	750m	-55	125	K177b	M235	2Chan.Driver with DPST Fet Switch;ton600ns
21	DG129FD	17			2.5%	1.0	18	12	750m	-55	125	K177b	FP69b	2Chan.Driver with DPST Fet Switch;ton600ns
22	DG133ADD	17			2.5%	1.0	18	12	750m	-55	125	K178a	M235	2Chan.Driver with SPST Fet Switch;ton300ns
23	DG133AFD	17			2.5%	1.0	18	12	750m	-55	125	K178a	FP69b	2Chan.Driver with SPST Fet Switch;ton300ns
24	DG133DD	17			2.5%	1.0	18	12	750m	-55	125	K178a	M235	2Chan.Driver with SPST Fet Switch;ton600ns
25	DG133FD	17			2.5%	1.0	18	12	750m	-55	125	K178a	FP69b	2Chan.Driver with SPST Fet Switch;ton600ns
26	DG134ADD	17			2.5%	1.0	18	12	750m	-55	125	K178b	M235	2Chan.Driver with SPST Fet Switch;ton300ns
27	DG134AFD	17			2.5%	1.0	18	12	750m	-55	125	K178b	FP69b	2Chan.Driver with SPST Fet Switch;ton300ns
28	DG134DD	17			2.5%	1.0	18	12	750m	-55	125	K178b	M235	2Chan.Driver with SPST Fet Switch;ton600ns
29	DG134FD	17			2.5%	1.0	18	12	750m	-55	125	K178b	FP69b	2Chan.Driver with SPST Fet Switch;ton600ns
30	DG139ADD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248	M235	Driver, Fet Switches;ton 400ns;toff 800ns.
31	DG139AFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248	FP69b	Driver, Fet Switches;ton 400ns;toff 800ns.
32	DG139DD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248	M235	Driver, Fet Switches;ton 800ns;toff 1.6us
33	DG139FD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248	FP69b	Driver, Fet Switches;ton 800ns;toff 1.6us.
34	DG140ADD	17			2.5%	1.0	18	12	750m	-55	125	K177c	M235	2Chan.Driver with DPST Fet Switch;ton500ns
35	DG140AFD	17			2.5%	1.0	18	12	750m	-55	125	K177c	FP69b	2Chan.Driver with DPST Fet Switch;ton500ns
36	DG140DD	17			2.5%	1.0	18	12	750m	-55	125	K177c	M235	2Chan.Driver with DPST Fet Switch;ton1.0us
37	DG140FD	17			2.5%	1.0	18	12	750m	-55	125	K177c	FP69b	2Chan.Driver with DPST Fet Switch;ton1.0us
38	DG141ADD	17			2.5%	1.0	18	12	750m	-55	125	K178c	M235	2Chan.Driver with SPST Fet Switch;ton500ns
39	DG141AFD	17			2.5%	1.0	18	12	750m	-55	125	K178c	FP69b	2Chan.Driver with SPST Fet Switch;ton500ns
40	DG141DD	17			2.5%	1.0	18	12	750m	-55	125	K178c	M235	2Chan.Driver with SPST Fet Switch;ton1.0us
41	DG141FD	17			2.5%	1.0	18	12	750m	-55	125	K178c	FP69b	2Chan.Driver with SPST Fet Switch;ton1.0us
42	DG142ADD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248a	M235	Driver, Fet Switches;ton 400ns;toff 800ns.
43	DG142AFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248a	FP69b	Driver, Fet Switches;ton 400ns;toff 800ns.
44	DG142DD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248a	M235	Driver, Fet Switches;ton 800ns;toff 1.6us
45	DG142FD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248a	FP69b	Driver, Fet Switches;ton 800ns;toff 1.6us.
46	DG143ADD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249	M235	Driver, Fet Switches;ton 400ns;toff 800ns.
47	DG143AFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249	FP69b	Driver, Fet Switches;ton 400ns;toff 800ns.
48	DG143DD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249	M235	Driver, Fet Switches;ton 800ns;toff 1.6us
49	DG143FD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249	FP69b	Driver, Fet Switches;ton 800ns;toff 1.6us.
50	DG144ADD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249a	M235	Driver, Fet Switches;ton 400ns;toff 800ns.
51	DG144AFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249a	FP69b	Driver, Fet Switches;ton 400ns;toff 800ns.
52	DG144DD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249a	M235	Driver, Fet Switches;ton 800ns;toff 1.6us
53	DG144FD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249a	FP69b	Driver, Fet Switches;ton 800ns;toff 1.6us.
54	DG145ADD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248b	M235	Driver, Fet Switches;ton 500ns;toff 1.2us.
55	DG145AFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248b	FP69b	Driver, Fet Switches;ton 500ns;toff 1.2us.
56	DG145DD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248b	M235	Driver, Fet Switches;ton 1.0us;toff 2.5us.
57	DG145FD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248b	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.5us.
58	DG146ADD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249b	M235	Driver, Fet Switches;ton 500ns;toff 1.2us.
59	DG146AFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249b	FP69b	Driver, Fet Switches;ton 500ns;toff 1.2us.
60	DG146DD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249b	M235	Driver, Fet Switches;ton 1.0us;toff 2.5us.
61	DG146FD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249b	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.5us.
62	DG151ADD	17			2.5%	1.0	15	15	750m	-55	125	K178e	M235	2Chan.Driver with SPST Fet Switch;ton500ns
63	DG151AFD	17			2.5%	1.0	15	15	750m	-55	125	K178e	FP69b	2Chan.Driver with SPST Fet Switch;ton500ns
64	DG151DD	17			2.5%	1.0	15	15	750m	-55	125	K178e	M235	2Chan.Driver with SPST Fet Switch;ton1.0us
65	DG151FD	17			2.5%	1.0	15	15	750m	-55	125	K178e	FP69b	2Chan.Driver with SPST Fet Switch;ton1.0us
66	DG152ADD	17			2.5%	1.0	15	15	750m	-55	125	K178f	M235	2Chan.Driver with SPST Fet Switch;ton300ns
67	DG152AFD	17			2.5%	1.0	15	15	750m	-55	125	K178f	FP69b	2Chan.Driver with SPST Fet Switch;ton300ns
68	DG152DD	17			2.5%	1.0	15	15	750m	-55	125	K178f	M235	2Chan.Driver with SPST Fet Switch;ton600ns
69	DG152FD	17			2.5%	1.0	15	15	750m	-55	125	K178f	FP69b	2Chan.Driver with SPST Fet Switch;ton600ns
70	DG153ADD	17			2.5%	1.0	15	15	750m	-55	125	K177e	M235	2Chan.Driver with DPST Fet Switch;ton500ns
71	DG153AFD	17			2.5%	1.0	15	15	750m	-55	125	K177e	FP69b	2Chan.Driver with DPST Fet Switch;ton500ns
72	DG153DD	17			2.5%	1.0	15	15	750m	-55	125	K177e	M235	2Chan.Driver with DPST Fet Switch;ton1.0us
73	DG153FD	17			2.5%	1.0	15	15	750m	-55	125	K177e	FP69b	2Chan.Driver with DPST Fet Switch;ton1.0us
74	DG154ADD	17			2.5%	1.0	15	15	750m	-55	125	K177f	M235	2Chan.Driver with DPST Fet Switch;ton300ns
75	DG154AFD	17			2.5%	1.0	15	15	750m	-55	125	K177f	FP69b	2Chan.Driver with DPST Fet Switch;ton300ns
76	DG154DD	17			2.5%	1.0	15	15	750m	-55	125	K177f	M235	2Chan.Driver with DPST Fet Switch;ton600ns
77	DG154FD	17			2.5%	1.0	15	15	750m	-55	125	K177f	FP69b	2Chan.Driver with DPST Fet Switch;ton600ns
78	DG161ADD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0249c	M235	Driver, Fet Switches;ton 500ns;toff 1.2us.
79	DG161AFD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0249c	FP69b	Driver, Fet Switches;ton 500ns;toff 1.2us.
80	DG161DD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0249c	M235	Driver, Fet Switches;ton 1.0us;toff 2.5us.
81	DG161FD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0249c	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.5us.
82	DG162ADD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0249d	M235	Driver, Fet Switches;ton 400ns;toff 800ns.
83	DG162AFD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0249d	FP69b	Driver, Fet Switches;ton 400ns;toff 800ns.
84	DG162DD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0249d	M235	Driver, Fet Switches;ton 800ns;toff 1.6us.
85	DG162FD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0249d	FP69b	Driver, Fet Switches;ton 800ns;toff 1.6us.
86	DG163ADD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0248c	M235	Driver, Fet Switches;ton 500ns;toff 1.2us.
87	DG163AFD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0248c	FP69b	Driver, Fet Switches;ton 500ns;toff 1.2us.
88	DG163DD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0248c	M235	Driver, Fet Switches;ton 1.0us;toff 2.5us.
89	DG163FD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0248c	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.5us.
90	DG164ADD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0248d	M235	Driver, Fet Switches;ton 400ns;toff 800ns.
91	DG164AFD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0248d	FP69b	Driver, Fet Switches;ton 400ns;toff 800ns.
92	DG164DD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0248d	M235	Driver, Fet Switches;ton 800ns;toff 1.6us.
93	DG164FD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0248d	FP69b	Driver, Fet Switches;ton 800ns;toff 1.6us.
94	DG426ADD	17			2.5%	1.0	18	12	750m	0	70	K177a	M235	2Chan.Driver with DPST Fet Switch;ton500ns
95	DG426AFD	17			2.5%	1.0	18	12	750m	0	70	K177a	FP69b	2Chan.Driver with DPST Fet Switch;ton500ns
96	DG426DD	17			2.5%	1.0	18	12	750m	0	70	K177a	M235	2Chan.Driver with DPST Fet Switch;ton1.0us
97	DG426FD	17			2.5%	1.0	18	12	750m	0	70	K177a	FP69b	2Chan.Driver with DPST Fet Switch;ton1.0us
98	DG429ADD	17			2.5%	1.0	18	12	750m	0	70	K177d	M235	2Chan.Driver with DPST Fet Switch;ton500ns
99	DG429AFD	17			2.5%	1.0	18	12	750m	0	70	K177d	FP69b	2Chan.Driver with DPST Fet Switch;ton500ns
100	DG429DD	17			2.5%	1.0	18	12	750m	0	70	K177d	M235	2Chan.Driver with DPST Fet Switch;ton1.0us
101	DG429FD	17			2.5%	1.0	18	12	750m	0	70	K177d	FP69b	2Chan.Driver with DPST Fet Switch;ton1.0us
102	DG433ADD	17			2.5%	1.0	18	12	750m	0	70	K178d	M235	2Chan.Driver with SPST Fet Switch;ton500ns
103	DG433AFD	17			2.5%	1.0	18	12	750m	0	70	K178d	FP69b	2Chan.Driver with SPST Fet Switch;ton500ns
104	DG433DD	17			2.5%	1.0	18	12	750m	0	70	K178d	M235	2Chan.Driver with SPST Fet Switch;ton1.0us
105	DG433FD	17			2.5%	1.0	18	12	750m	0	70	K178d	FP69b	2Chan.Driver with SPST Fet Switch;ton1.0us
106	DG434ADD	17			2.5%	1.0	18	12	750m	0	70	K178b	M235	2Chan.Driver with SPST Fet Switch;ton500ns
107	DG434AFD	17			2.5%	1.0	18	12	750m	0	70	K178b	FP69b	2Chan.Driver with SPST Fet Switch;ton500ns
108	DG434DD	17			2.5%	1.0	18	12	750m	0	70	K178b	M235	2Chan.Driver with SPST Fet Switch;ton1.0us
109	DG434FD	17			2.5%	1.0	18	12	750m	0	70	K178b	FP69b	2Chan.Driver with SPST Fet Switch;ton1.0us
110	DG439ADD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248e	M235	Driver, Fet Switches;ton 500ns;toff 1.0us.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	DG439AFD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249e	FP69b	Driver, Fet Switches;ton 500ns;toff 1.0us.
2	DG439DD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248e	M235	Driver, Fet Switches;ton 1.0us;toff 2.0us.
3	DG439FD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248e	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.0us.
4	DG440ADD	17			2.5%	1.0	18	12	750m	0	70	K177e	M235	2Chan.Driver with DPST Fet Switch;ton750ns
5	DG440AFD	17			2.5%	1.0	18	12	750m	0	70	K177e	FP69b	2Chan.Driver with DPST Fet Switch;ton750ns
6	DG440DD	17			2.5%	1.0	18	12	750m	0	70	K177e	M235	2Chan.Driver with DPST Fet Switch;ton1.5us
7	DG440FD	17			2.5%	1.0	18	12	750m	0	70	K177e	FP69b	2Chan.Driver with DPST Fet Switch;ton1.5us
8	DG441ADD	17			2.5%	1.0	18	12	750m	0	70	K178e	M235	2Chan.Driver with SPST Fet Switch;ton750ns
9	DG441AFD	17			2.5%	1.0	18	12	750m	0	70	K178e	FP69b	2Chan.Driver with SPST Fet Switch;ton750ns
10	DG441DD	17			2.5%	1.0	18	12	750m	0	70	K178e	M235	2Chan.Driver with SPST Fet Switch;ton1.5us
11	DG441FD	17			2.5%	1.0	18	12	750m	0	70	K178e	FP69b	2Chan.Driver with DPST Fet Switch;ton1.5us
12	DG442ADD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248a	M235	Driver, Fet Switches;ton 500ns;toff 1.0us.
13	DG442AFD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248a	FP69b	Driver, Fet Switches;ton 500ns;toff 1.0us.
14	DG442DD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248a	M235	Driver, Fet Switches;ton 1.0us;toff 2.0us.
15	DG442FD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248a	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.0us.
16	DG443ADD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249	M235	Driver, Fet Switches;ton 500ns;toff 1.0us.
17	DG443AFD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249	FP69b	Driver, Fet Switches;ton 500ns;toff 1.0us.
18	DG443DD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249	M235	Driver, Fet Switches;ton 1.0us;toff 2.0us.
19	DG443FD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.0us.
20	DG444ADD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249e	M235	Driver, Fet Switches;ton 500ns;toff 1.0us.
21	DG444AFD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249e	FP69b	Driver, Fet Switches;ton 500ns;toff 1.0us.
22	DG444DD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249e	M235	Driver, Fet Switches;ton 1.0us;toff 2.0us.
23	DG444FD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249e	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.0us.
24	DG445ADD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248c	M235	Driver, Fet Switches;ton 750ns;toff 1.2us.
25	DG445AFD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248c	FP69b	Driver, Fet Switches;ton 750ns;toff 1.2us.
26	DG445DD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248c	M235	Driver, Fet Switches;ton 1.5us;toff 2.5us.
27	DG445FD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248c	FP69b	Driver, Fet Switches;ton 1.5us;toff 2.5us.
28	DG446ADD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249c	M235	Driver, Fet Switches;ton 750ns;toff 1.2us.
29	DG446AFD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249c	FP69b	Driver, Fet Switches;ton 750ns;toff 1.2us.
30	DG446DD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249c	M235	Driver, Fet Switches;ton 1.5us;toff 2.5us.
31	DG446FD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249c	FP69b	Driver, Fet Switches;ton 1.5us;toff 2.5us.
32	DG451ADD	17			2.5%	1.0	15	15	750m	0	70	K178g	M235	2Chan.Driver with SPST Fet Switch;ton750ns
33	DG451AFD	17			2.5%	1.0	15	15	750m	0	70	K178g	FP69b	2Chan.Driver with SPST Fet Switch;ton750ns
34	DG451DD	17			2.5%	1.0	15	15	750m	0	70	K178g	M235	2Chan.Driver with SPST Fet Switch;ton1.5us
35	DG451FD	17			2.5%	1.0	15	15	750m	0	70	K178g	FP69b	2Chan.Driver with SPST Fet Switch;ton1.5us
36	DG452ADD	17			2.5%	1.0	15	15	750m	0	70	K178h	M235	2Chan.Driver with SPST Fet Switch;ton500ns
37	DG452AFD	17			2.5%	1.0	15	15	750m	0	70	K178h	FP69b	2Chan.Driver with SPST Fet Switch;ton500ns
38	DG452DD	17			2.5%	1.0	15	15	750m	0	70	K178h	M235	2Chan.Driver with SPST Fet Switch;ton1.0us
39	DG452FD	17			2.5%	1.0	15	15	750m	0	70	K178h	FP69b	2Chan.Driver with SPST Fet Switch;ton1.0us
40	DG453ADD	17			2.5%	1.0	15	15	750m	0	70	K177g	M235	2Chan.Driver with DPST Fet Switch;ton750ns
41	DG453AFD	17			2.5%	1.0	15	15	750m	0	70	K177g	FP69b	2Chan.Driver with DPST Fet Switch;ton750ns
42	DG453DD	17			2.5%	1.0	15	15	750m	0	70	K177g	M235	2Chan.Driver with DPST Fet Switch;ton1.5us
43	DG453FD	17			2.5%	1.0	15	15	750m	0	70	K177g	FP69b	2Chan.Driver with DPST Fet Switch;ton1.5us
44	DG454ADD	17			2.5%	1.0	15	15	750m	0	70	K177h	M235	2Chan.Driver with DPST Fet Switch;ton500ns
45	DG454AFD	17			2.5%	1.0	15	15	750m	0	70	K177h	FP69b	2Chan.Driver with DPST Fet Switch;ton500ns
46	DG454DD	17			2.5%	1.0	15	15	750m	0	70	K177h	M235	2Chan.Driver with DPST Fet Switch;ton1.0us
47	DG454FD	17			2.5%	1.0	15	15	750m	0	70	K177h	FP69b	2Chan.Driver with DPST Fet Switch;ton1.0us
48	DG461ADD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249f	M235	Driver, Fet Switches;ton 750ns;toff 1.2us.
49	DG461AFD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249f	FP69b	Driver, Fet Switches;ton 750ns;toff 1.2us.
50	DG461DD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249f	M235	Driver, Fet Switches;ton 1.5us;toff 2.5us.
51	DG461FD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249f	FP69b	Driver, Fet Switches;ton 1.5us;toff 2.5us.
52	DG462ADD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249g	M235	Driver, Fet Switches;ton 500ns;toff 1.0us.
53	DG462AFD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249g	FP69b	Driver, Fet Switches;ton 500ns;toff 1.0us.
54	DG462DD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249g	M235	Driver, Fet Switches;ton 1.0us;toff 2.0us.
55	DG462FD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249g	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.0us.
56	DG463ADD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248f	M235	Driver, Fet Switches;ton 750ns;toff 1.2us.
57	DG463AFD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248f	FP69b	Driver, Fet Switches;ton 750ns;toff 1.2us.
58	DG463DD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248f	M235	Driver, Fet Switches;ton 1.5us;toff 2.5us.
59	DG463FD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248f	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.5us.
60	DG464ADD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248g	M235	Driver, Fet Switches;ton 500ns;toff 1.0us.
61	DG464AFD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248g	FP69b	Driver, Fet Switches;ton 500ns;toff 1.0us.
62	DG464DD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248g	M235	Driver, Fet Switches;ton 1.0us;toff 2.0us.
63	DG464FD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248g	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.0us.
64	IH5001CPA	17			2.5%	1.0	18	12	500m	0	70	K1724	M239	1Chan.Driver with SPST Fet Switch and gate
65	IH5002CPA	17			2.5%	1.0	18	12	500m	0	70	K1724a	M239	1Chan.Driver with SPST Fet Switch and gate
66	IH5003MDD	17			2.5%	1.0	18	12	750m	-55	125	K1727	M235	2Chan.Driver with SPST Fet Switch and gate
67	IH5003MFD	17			2.5%	1.0	18	12	750m	-55	125	K1727	FP69b	2Chan.Driver with SPST Fet Switch and gate
68	IH5004MDD	17			2.5%	1.0	18	12	750m	-55	125	K1727a	M235	2Chan.Driver with SPST Fet Switch and gate
69	IH5004MFD	17			2.5%	1.0	18	12	750m	-55	125	K1727a	FP69b	2Chan.Driver with SPST Fet Switch and gate
70	IH5005MDD	17		MON	2.5%	1.0	18	12	750m	-55	125	K1727b	TO116	2 Chan Driver with SPST FET Switch.
71	IH5005MFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K1727b	TO86	2 Chan. Driver with SPST FET Switch.
72	IH5006MDD	17		MON	2.5%	1.0	18	12	750m	-55	125	K1727c	TO116	2 Chan Driver with SPST FET Switch.
73	IH5006MFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K1727c	TO86	2 Chan Driver with SPST FET Switch.
74	IH5007MDD	17		MON	2.5%	1.0	18	12	750m	-55	125	K1727d	TO116	2 Chan Driver with SPST FET Switch.
75	IH5007MFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K1727d	TO86	2 Chan Driver with SPST FET Swtich.
76▼	AD7516JD	17		MON	2.7%	.50*	15	15	670m	0	75	K1765	M105aj	Quad;RDS(ON)100Ω;ton,toff 20ns.
77	AD7516JN	17		MON	2.7%	.50*	15	15	670m	0	75	K1765	M105aj	Quad;RDS(ON) 100Ω;ton,toff 20ns.
78	AD7516SD	17		MON	2.7%	.50*	15	15	450m	-55	125	K1765		Quad;RDS(ON) 100Ω;ton,toff 20ns.
79▼	AD7516SN	17		MON	2.7%	.50*	15	15	450m	-55	125	K1765		Quad;RDS(ON)100Ω;ton,toff 20ns.
80	CDA4A	17		MOH	2.8%	.60*	0.0	10		-55	125	K0227	TO100	Ladder switch;12Bit;Ton Toff .50us typ.
81	AH0126CD	17			3.0	0.0	18	12	500mt	-25	85	K177a	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
82	AH0126CF	17			3.0	0.0	18	12	500mt	-25	85	K177a	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
83	AH0126D	17			3.0	0.0	18	12	500mt	-55	125	K177a	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
84	AH0126F	17			3.0	0.0	18	12	500mt	-55	125	K177a	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
85	AH0129CD	17			3.0	0.0	18	12	500mt	-25	85	K177b	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
86	AH0129CF	17			3.0	0.0	18	12	500mt	-25	85	K177b	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
87	AH0129D	17			3.0	0.0	18	12	500mt	-55	125	K177b	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
88	AH0129F	17			3.0	0.0	18	12	500mt	-55	125	K177b	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
89	AH0133CD	17			3.0	0.0	18	12	500mt	-25	85	K178a	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
90	AH0133CF	17			3.0	0.0	18	12	500mt	-25	85	K178a	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
91	AH0133D	17			3.0	0.0	18	12	500mt	-55	125	K178a	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
92	AH0133F	17			3.0	0.0	18	12	500mt	-55	125	K178a	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
93	AH0134CD	17			3.0	0.0	18	12	500mt	-25	85	K178b	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
94	AH0134CF	17			3.0	0.0	18	12	500mt	-25	85	K178b	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
95	AH0134D	17			3.0	0.0	18	12	500mt	-55	125	K178b	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
96	AH0134F	17			3.0	0.0	18	12	500mt	-55	125	K178b	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
97	AH0139CD	17			3.0	0.0	18	12	500mt	-25	85	K0248	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
98	AH0139CF	17			3.0	0.0	18	12	500mt	-25	85	K0248	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
99	AH0139D	17			3.0	0.0	18	12	500mt	-55	125	K0248	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
100	AH0139F	17			3.0	0.0	18	12	500mt	-55	125	K0248	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
101	AH0140CD	17			3.0	0.0	18	12	500mt	-25	85	K177c	M297c	Dual DPST FET SW;ton1.0us max;toff2.5usmax
102	AH0140CF	17			3.0	0.0	18	12	500mt	-25	85	K177c	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
103	AH0140D	17			3.0	0.0	18	12	500mt	-55	125	K177c	M297c	Dual DPST FET SW;ton1.0us max;toff2.5usmax
104	AH0140F	17			3.0	0.0	18	12	500mt	-55	125	K177c	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
105	AH0141CD	17			3.0	0.0	18	12	500mt	-25	85	K178c	M297c	Dual SPST FET SW;ton1.0us max;toff2.5usmax
106	AH0141CF	17			3.0	0.0	18	12	500mt	-25	85	K178c	FP87	Dual SPST FET SW;ton1.0us max;toff2.5usmax
107	AH0141D	17			3.0	0.0	18	12	500mt	-55	125	K178c	M297c	Dual SPST FET SW;ton1.0us max;toff2.5usmax
108	AH0141F	17			3.0	0.0	18	12	500mt	-55	125	K178c	FP87	Dual SPST FET SW;ton1.0us max;toff2.5usmax
109	AH0142CD	17			3.0	0.0	18	12	500mt	-25	85	K0248a	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
110	AH0142CF	17			3.0	0.0	18	12	500mt	-25	85	K0248a	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	AH0142D	17			3.0	0.0	18	12	500mt	-55	125	K0248a	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
2	AH0142F	17			3.0	0.0	18	12	500mt	-55	125	K0248a	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
3	AH0143CD	17			3.0	0.0	18	12	500mt	-25	85	K0249	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
4	AH0143CF	17			3.0	0.0	18	12	500mt	-25	85	K0249	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
5	AH0143D	17			3.0	0.0	18	12	500mt	-55	125	K0249	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
6	AH0143F	17			3.0	0.0	18	12	500mt	-55	125	K0249	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
7	AH0144CD	17			3.0	0.0	18	12	500mt	-25	85	K0249a	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
8	AH0144CF	17			3.0	0.0	18	12	500mt	-25	85	K0249a	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
9	AH0144D	17			3.0	0.0	18	12	500mt	-55	125	K0249a	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
10	AH0144F	17			3.0	0.0	18	12	500mt	-55	125	K0249a	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
11	AH0145CD	17			3.0	0.0	18	12	500mt	-25	85	K0248b	M297c	Diff DPDT FET SW;ton1.0us max;toff2.5usmax
12	AH0145CF	17			3.0	0.0	18	12	500mt	-25	85	K0248b	FP87	Diff DPDT FET SW;ton1.0us max;toff2.5usmax
13	AH0145D	17			3.0	0.0	18	12	500mt	-55	125	K0248b	M297c	Diff DPDT FET SW;ton1.0us max;toff2.5usmax
14	AH0145F	17			3.0	0.0	18	12	500mt	-55	125	K0248b	FP87	Diff DPDT FET SW;ton1.0us max;toff2.5usmax
15	AH0146CD	17			3.0	0.0	18	12	500mt	-25	85	K0249b	M297c	Diff SPDT FET SW;ton1.0us max;toff2.5usmax
16	AH0146CF	17			3.0	0.0	18	12	500mt	-25	85	K0249b	FP87	Diff SPDT FET SW;ton1.0us max;toff2.5usmax
17	AH0146D	17			3.0	0.0	18	12	500mt	-55	125	K0249b	M297c	Diff SPDT FET SW;ton1.0us max;toff2.5usmax
18	AH0146F	17			3.0	0.0	18	12	500mt	-55	125	K0249b	FP87	Diff SPDT FET SW;ton1.0us max;toff2.5usmax
19	AH0151CD	17			3.0	0.0	18	12	500mt	-25	85	K178e	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
20	AH0151CF	17			3.0	0.0	18	12	500mt	-25	85	K178e	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
21	AH0151D	17			3.0	0.0	18	12	500mt	-55	125	K178e	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
22	AH0151F	17			3.0	0.0	18	12	500mt	-55	125	K178e	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
23	AH0152CD	17			3.0	0.0	18	12	500mt	-25	85	K178f	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
24	AH0152CF	17			3.0	0.0	18	12	500mt	-25	85	K178f	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
25	AH0152D	17			3.0	0.0	18	12	500mt	-55	125	K178f	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
26	AH0152F	17			3.0	0.0	18	12	500mt	-55	125	K178f	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
27	AH0153CD	17			3.0	0.0	18	12	500mt	-25	85	K177e	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
28	AH0153CF	17			3.0	0.0	18	12	500mt	-25	85	K177e	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
29	AH0153D	17			3.0	0.0	18	12	500mt	-55	125	K177e	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
30	AH0153F	17			3.0	0.0	18	12	500mt	-55	125	K177e	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
31	AH0154CD	17			3.0	0.0	18	12	500mt	-25	85	K177f	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
32	AH0154CF	17			3.0	0.0	18	12	500mt	-25	85	K177f	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
33	AH0154D	17			3.0	0.0	18	12	500mt	-55	125	K177f	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
34	AH0154F	17			3.0	0.0	18	12	500mt	-55	125	K177f	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
35	AH0161CD	17			3.0	0.0	18	12	500mt	-25	85	K0249c	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
36	AH0161CF	17			3.0	0.0	18	12	500mt	-25	85	K0249c	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
37	AH0161D	17			3.0	0.0	18	12	500mt	-55	125	K0249c	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
38	AH0161F	17			3.0	0.0	18	12	500mt	-55	125	K0249c	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
39	AH0162CD	17			3.0	0.0	18	12	500mt	-25	85	K0249d	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
40	AH0162CF	17			3.0	0.0	18	12	500mt	-25	85	K0249d	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
41	AH0162D	17			3.0	0.0	18	12	500mt	-55	125	K0249d	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
42	AH0162F	17			3.0	0.0	18	12	500mt	-55	125	K0249d	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
43	AH0163CD	17			3.0	0.0	18	12	500mt	-25	85	K0248c	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
44	AH0163CF	17			3.0	0.0	18	12	500mt	-25	85	K0248c	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
45	AH0163D	17			3.0	0.0	18	12	500mt	-55	125	K0248c	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
46	AH0163F	17			3.0	0.0	18	12	500mt	-55	125	K0248c	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
47	AH0164CD	17			3.0	0.0	18	12	500mt	-25	85	K0248d	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
48	AH0164CF	17			3.0	0.0	18	12	500mt	-25	85	K0248d	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
49	AH0164D	17			3.0	0.0	18	12	500mt	-55	125	K0248d	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
50	AH0164F	17			3.0	0.0	18	12	500mt	-55	125	K0248d	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
51	DAS2132B1	17		TFH	3.0	0.0	15	15	500m	-55	125		Δ006AF	Dual SPST;Ton 500nS;Toff 1.0nS.
52	DAS2136B1	17		TFH	3.0	0.0	15	15	500m	-55	125		Δ006AF	Dual SPST;Ton 500nS max;Toff 500nS max.
53	DAS2133B1	17	1.0M	TFH	3.0	0.0	15	15	500m	-55	125		Δ006AF	Dual SPST;Ton 500nS;Toff 1.0nS.
54	DAS2137B1	17	1.0M	TFH	3.0	0.0	15	15	500m	-55	125		Δ006AF	Dual SPST; Ton 500ns; Toff 500ns.
55▼	MES10	17	200k	PCB	3.0%	.40*	0.0	5.0	2.1	0	70		CB53	Electronic Switch for Incan Lamp.
56▼	MES10N	17	200k	PCB	3.0%	.40*	0.0	5.0	175m	0	70		CB53	Electronic Switch for Neon Tubes.
57▼	MES10S	17	200k	PCB	3.0%	.40*	0.0	5.0	2.2	0	70		CB53	Electronic Switch for Solenoids.
58▼	MES10B	17	500k	PCB	3.0%	.40*	0.0	5.0	700m	0	70		CB53	Electronic Switch for Relays.
59	CDA2-1	17		MOS	3.0%	.50*	10	0.0	250m	-55	125	K1715	CN6c	Vin 20Vmax;lin 1.0na max;I off 1.0na.
60	CDA2-2	17		MOS	3.0%	.50*	10	0.0	250m	-55	125	K1715	CN6c	Vin 20Vmax;lin 1.0na max;I off 1.0na.
61	CDA2-3	17		MOS	3.0%	.50*	20	0.0	250m	-55	125	K1715	CN6c	Vin 10Vmax;lin 1.0na max;I off 1.0na.
62	CDA2-4	17		MOS	3.0%	.50*	20	0.0	250m	-55	125	K1715	CN6c	Vin 10Vmax;lin 1.0na max;I off 1.0na.
63	CAG7	17		MOH	3.0%	.60*	15	15	1.4	-55	125	K0229	CN48g	SPST or DPST;Rds 6.0Ω;Ton/OFF 2.0us max.
64	CAG7-10	17		MOH	3.0%	.60*	15	15	1.4	-55	125	K0229	CN48g	SPST or DPST;Rds10Ω;Ton/Off 2.0us max.
65	AD7511JD	17		MON	3.0%	.80*	15	15	450m	0	75	K1762	M361	Quad;RDS(ON) 75Ω;ton 1.2us;toff 800ns.
66	AD7511JN	17		MON	3.0%	.80*	15	15	670m	0	75	K1762	M345a	Quad;RDS(ON) 75Ω;ton 1.2us;toff 800ns.
67	AD7511SD	17		MON	3.0%	.80*	15	15	450m	-55	125		M361	Quad;RDS(ON) 75Ω;ton 1.2us;toff 800ns.
68	AD7512JD	17		MON	3.0%	.80*	15	15	450m	0	75			Dual SPDT;R(ON) 70Ω;trans time 1.2us.
69	AD7512JN	17		MON	3.0%	.80*	15	15	670m	0	75		M105aj	Dual SPDT;R(ON) 70Ω;trans time 1.2us.
70	AD7512SD	17		MON	3.0%	.80*	15	15	450m	-55	125	K1763		Dual SPDT;R(ON) 70Ω;trans time 1.2us.
71	AD7513JH	17		MON	3.0%	.80*	15	15	450m	0	75	K1764	TO100	Dual SPDT;RDS(ON) 55Ω;ton 700ns.
72	AD7513JN	17		MON	3.0%	.80*	15	15	670m	0	75	K1764	M105aj	Dual SPDT;RDS(ON) 55Ω;ton 700ns.
73	AD7513SH	17		MON	3.0%	.80*	15	15	450m	-55	125	K1764	TO100	Dual SPDT;RDS(ON) 55Ω;ton 700ns.
74	DG139AL	17		MOS	3.0	.80	18	12	750m	-55	125	K0248h	TO86	Driver w/FET SW;ton 800ns;toff 1.6us.
75♦	DG139AP	17		MOS	3.0	.80	18	12	750m	-55	125	K0248h	M535	Driver w/FET SW;ton 800ns;toff 1.6us.
76	DG139BL	17		MOS	3.0	.80	18	12	750m	-20	85	K0248j	TO86	Driver w/FET SW;ton 1.0us;toff 2.0us.
77♦	DG139BP	17		MOS	3.0	.80	18	12	750m	-20	85	K0248j	M535	Driverw/FET SW;ton 1.0us;toff 2.0us.
78	DG142AL	17		MOS	3.0	.80	18	12	750m	-55	125	K0248k	TO86	Driver w/FET SW;ton 800ns;toff 1.6us.
79♦	DG142AP	17		MOS	3.0	.80	18	12	750m	-55	125	K0248k	M535	Driver w/FET SW;ton 800ns;toff 1.6us.
80	DG142BL	17		MOS	3.0	.80	18	12	750m	-20	85	K0248k	TO86	Driver w/FET SW;ton 1.0us;toff 2.0us.
81♦	DG142BP	17		MOS	3.0	.80	18	12	750m	-20	85	K0248k	M535	Driver w/FET SW;ton 1.0us;toff 2.0us.
82	DG143AL	17		MOS	3.0	.80	18	12	750m	-55	125	K0249k	TO86	Driver w/FET SW;ton 800ns;toff 1.6us.
83♦	DG143AP	17		MOS	3.0	.80	18	12	750m	-55	125	K0249k	M535	Driver w/FET SW;ton 800ns;toff 1.6us.
84	DG143BL	17		MOS	3.0	.80	18	12	750m	-20	85	K0249k	TO86	Driver w/FET SW;ton 1.0us;toff 2.0us.
85♦	DG143BP	17		MOS	3.0	.80	18	12	750m	-20	85	K0249k	M535	Driver w/FET SW;ton 1.0us;toff 2.0us.
86	DG144AL	17		MOS	3.0	.80	18	12	750m	-55	125	K0249h	TO86	Driver w/FET SW;ton 800ns;toff 1.6us.
87♦	DG144AP	17		MOS	3.0	.80	18	12	750m	-55	125	K0249h	M535	Driver w/FET SW;ton 800ns;toff 1.6us.
88	DG144BL	17		MOS	3.0	.80	18	12	750m	-20	85	K0249j	TO86	Driver w/FET SW;ton 1.0us;toff 2.0us.
89♦	DG144BP	17		MOS	3.0	.80	18	12	750m	-20	85	K0249j	M535	Driver w/FET SW;ton 1.0us;toff 2.0us.
90	DG145AL	17		MOS	3.0	.80	18	12	750m	-55	125	K0248m	TO86	Driver w/FET SW;ton 1.0us;toff 2.5us.
91♦	DG145AP	17		MOS	3.0	.80	18	12	750m	-55	125	K0248m	M535	Driver w/FET SW;ton 1.0us;toff 2.5us.
92	DG145BL	17		MOS	3.0	.80	18	12	750m	-20	85	K0248n	TO86	Driver w/FET SW;ton 1.5us;toff 2.5us.
93♦	DG145BP	17		MOS	3.0	.80	18	12	750m	-20	85	K0248n	M535	Driver w/FET SW;ton 1.5us;toff 2.5us.
94	DG146AL	17		MOS	3.0	.80	18	12	750m	-55	125	K0249m	TO86	Driver w/FET SW;ton 1.0us;toff 2.5us.
95♦	DG146AP	17		MOS	3.0	.80	18	12	750m	-55	125	K0249m	M535	Driver w/FET SW;ton 1.0us;toff 2.5us.
96	DG146BL	17		MOS	3.0	.80	18	12	750m	-55	125	K0249n	TO86	Driver w/FET SW;ton 1.5us;toff 2.5us.
97♦	DG146BP	17		MOS	3.0	.80	18	12	750m	-55	125	K0249n	M535	Driver w/FET SW;ton 1.5us;toff 2.5us.
98	CAG14	17		MOH	3.5%	.50*	15	5.0	30m	-55	125	K1771	TO100	SPST;Ron 50Ω TON-12ns Toff 20ns.
99	CAG14A	17		MOH	3.5%	.50*	15	5.0	30m	-55	125	K1771a	FP70	SPST;Ron 50Ωmax Ton-12ns Toff 20ns.
100	CDA18	17		MOH	3.5%	.50*	15	5.0	30m	-55	125	K1772	TO100	SPDT FET Ron50Ωmax Ton12ns Toff 20ns.
101	CDA18A	17		MOH	3.5%	.50*	15	5.0	30m	-55	125	K1772a	FP70	SPDT FET Ron50Ωmax;Ton12ns;Toff20ns.
102	CDA23	17		MOH	3.5%	.50*	15	5.0	50m	-55	125	K1773	TO100	Hi Speed .20ns Dia.Sw. for -10VRef.
103	HI-1F1800-2	17		MON	4.0%	.40*	12	12	200m	-55	125	K1761	M210c	4 Chan Analog Switch;R(on)125Ω.
104	HI-1F1800-5	17		MON	4.0%	.40*	12	12	200m	0	75	K1761	M210c	4 Chan Analog Switch;R(on)125Ω.
105	HI-1F1800A2	17		MON	4.0%	.40*	12	12	200m	-55	125	K1761	M210c	4 Chan Analog Switch;R(on)125Ω.
106	HI-1F1800A5	17		MON	4.0%	.40*	12	12	200m	0	75	K1761	M210c	4 Chan Analog Switch;R(on)125Ω.
107▼#	MSM591	17		MOS	4.7%	.30*	0.0	5.0	25u§	-20	70	K1782	M318a	Quad Bilateral SW;tpd 10ns.
108	CDA6	17		MOS	4.9	.60	10	10		-55	125	K0228	CN57a	Ladder switches for D/A converters.
109	DG171AA	17		MOS	5.0	0.0	20	10	750m	-55	125	K1739	TO100	SW w/Differential Driver;ton 250ns.
110	DG171BA	17		MOS	5.0	0.0	20	10	750m	-20	85	K1739	TO100	SW w/Differential Driver;ton 250ns.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	DG172AL	17		MOS	5.0	0.0	20	10	750m	-55	125	K1740	TO86	Driver w/MOS SW;ton 300ns;toff 750ns.
2♦	DG172AP	17		MOS	5.0	0.0	20	10	750m	-55	125	K1740	M535	Driver w/MOS SW;ton 300ns;toff 750ns.
3	DG172BL	17		MOS	5.0	0.0	20	10	750m	-20	85	K1740	TO86	Driver w/MOS SW;ton 500ns;toff 1.0us.
4▼	DG172BP	17		MOS	5.0	0.0	20	10	750m	-20	85	K1740	M535	Driver w/MOS SW;ton 500ns;toff 1.0us.
5	DG172CJ	17		MOS	5.0	0.0	20	10	470m	0	70	K1740	TO116	Driver w/MOS Switch;ton 80ns;toff 500ns.
6	DG173AL	17		MON	5.0	0.0	20	10	750m	-55	125	K1741	TO86	SW w/Driver;ton 200ns;toff 700ns.
7♦	DG173AP	17		MON	5.0	0.0	20	10	750m	-55	125	K1741	M535	SW w/Driver;ton 200ns;toff 700ns.
8	DG173BL	17		MON	5.0	0.0	20	10	750m	-20	85	K1741	TO86	SW w/Driver;ton 200ns;toff 800ns.
9▼	DG173BP	17		MON	5.0	0.0	20	10	750m	-20	85	K1741	M535	Driver w/MOS SW;ton 200ns;toff 800ns.
10	DG175AA	17		MON	5.0	0.0	20	10	750m	-55	125	K1742	TO100	MOS SW w/DIFF Driver;ton 200ns;toff 400ns.
11	DG175BA	17		MON	5.0	0.0	20	10	750m	-20	85	K1742	TO100	MOS SW w/DIFF Driver;ton 200ns;toff 400ns.
12	SW4016A	17		MOS	5.0	0.0	0.0	5.0	200m	-40	85	K1722	M313a	Quad Bilateral SW;tpd 20ns.
13	DG125AL	17		MOS	5.0	.40	20	10	750m	-55	125	K382b	TO86	5 Chnl SPST FET Switches with Drivers.
14♦	DG125AP	17		MOS	5.0	.40	20	10	825m	-55	125	K382b	M535	5 Chnl SPST FET Switches with Drivers.
15	DG125BL	17		MOS	5.0	.40	20	10	750m	-20	85	K382b	TO86	5 Chnl SPST FET Switches with Drivers.
16♦	DG125BP	17		MOS	5.0	.40	20	10	825m	-20	85	K382b	M535	5 Chnl SPST FET Switches with Drivers.
17♦	AD7519JN	17		MON	7.0%	.40*	0.0	8.0	8.0u%	0	75	K1766	M105aj	Quad SPDT Steering Sw;R(ON)65Ω.
18#	TDA2630	17		MON	9.0%	2.0*	0.0	15	500m	0	70	K1775	M210a	Analog Gate Switch.
19#	TDA2631	17		MON	9.0%	2.0†*	0.0	15	500m	0	70	K1775	M210a	Analog Gate Switch.
20▼	TF4016AJ	17		MOS	9.95%	.05*†	0.0	10	600u%	-55	125	K1722	M157b	Quad Bilateral Switch;tpd 75ns max.
21▼	TF4016AN	17		MOS	9.95%	.05*†	0.0	10	600u%	-55	125	K1722	M126e	Quad Bilateral Switch;tpd 75ns max.
22▼	TP4016AJ	17		MOS	9.95%	.05*†	0.0	10	160u%	-40	85	K1722	M157b	Quad Bilateral Switch;tpd 115ns max.
23▼	TP4016AN	17		MOS	9.95%	.05*†	0.0	10	160u%	-40	85	K1722	M126e	Quad Bilateral Switch;tpd 115ns max.
24	G115IFD	17		MOS	-2.0%		20	0.0		-20	85	K3812	TO86	6 Channel; Rds(on) 500Ω max; BVDSS -25Vmin
25	MX55C	17		MOS	-4.8%	-1.0*	15	0.0		-25	75	K1728	FP81	Low Voltage Quad Switch.
26	G125IFD	17		MON	-5.0*		20	0.0	500m	-20	85	K385	TO86	4 Channel;Rds(on)500Ωmax;IDSS500uA min
27	G125MFD	17		MON	-5.0*		20	0.0	500m	-55	125	K385	TO86	4 Channel;Rds(on)500Ωmax;IDSS 500uA min
28	G127IFD	17		MON	-5.0*		20	0.0	500m	-20	85	K385	TO86	4 Channel;Rds(on)90Ω max; IDSS 5.0mA min.
29	G127MFD	17		MON	-5.0*		20	0.0	500m	-55	125	K385	TO86	4 Channel;Rds(on)90Ω max; IDSS 5.0mA min
30	G129IFD	17		MON	-5.0*		20	0.0	500m	-20	85	K386	TO86	4 Channel;Rds(on)500Ω max; IDSS500uA min.
31	G129MFD	17		MON	-5.0*		20	0.0	500m	-55	125	K386	TO86	4 Channel;Rds(on)500Ω max; IDSS 500uA min.
32	G131IFD	17		MON	-5.0*		20	0.0	500m	-20	85	K386	TO86	4 Channel;Rds(on)90Ω max;IDSS 5.0mA min.
33	G131MFD	17		MON	-5.0*		20	0.0	500m	-55	125	K386	TO86	Rds(on)90Ω max;IDSS 5.0mA min.
34	G1330IFD	17		MON	-5.0*		20	0.0	500m	-20	85	K385	TO86	4 Channel;Rds(on)20Ω max;IDSS 15mA min.
35	G1330MFD	17		MON	-5.0*		20	0.0	500m	-55	125	K385	TO86	4 Channel;Rds(on)20Ω max;IDSS 15mA min.
36	G1350IFD	17		MON	-5.0*		20	0.0	500m	-20	85	K386	TO86	4 Channel;Rds(on)20Ω max;IDSS 15mA min.
37	G1350MFD	17		MON	-5.0*		20	0.0	500m	-55	125	K386	TO86	4 Channel;Rds(on)20Ω max;IDSS 15mA min.
38	MX54C	17		MOS	-9.0%	-2.5*	27	0.0	635m	-25	75	K1728	FP81	4 Channel series Shunt Switch.
39	CM4016AD	17		MOS	10	0.0	0.0	10	200m	-55	125	K1722	M105av	Quad Bilateral Switch;tpd 10ns.
40	CM4016AE	17		MOS	10	0.0	0.0	10	200m	-40	85	K1722	M105av	Quad Bilateral Switch;tpd 10ns.
41	AM1000H	17	4.0M†	MOS	10	-20	10	10	300m	-55	150	K1760	TO72	NCH FET SW;R(on)30Ω max;ton,toff100ns max.
42	AM1002H	17	4.0M†	MOS	10	-20	10	10	300m	-55	150	K1760	TO72	NCH FET SW;R(on)100Ω max;ton 200ns max.
43	DAS2107	17	1.0M	TFH	12%	1.0*	20	20	500m	-55	125		CN44a	SPST Fet;Analogue Sw;Ton 300nS;Toff 300nS.
44	DAS2114	17	1.0M	TFH	15%	1.0*	15	15	1.2	-55	125	K1718a	CN48j	SPDT Fet;Analogue Sw;Ton 1.0nS;Toff 1.0nS.
45	NC2114	17	1.0M		15	1.0	15	15	1.2	-55	125	K1718a	CN48e	SPDT FET Analog Switch.
46	NC2127	17	1.0M		15	1.0	15	15	1.8	-55	125			DPDT FET Analog Switch.
47	AM1001H	17	4.0M†	MOS	15	-20	15	15	300m	-55	150	K1760	TO72	NCH FET SW;R(on)50Ω max;ton 150ns max.
48#	TDA2620	17		MON	17	0.3	0.0	33	500m	0	70	K1774	M210a	Analog Gate Switch.
49	DAS2110	17	1.0M	TFH	18%	1.5*	20	20	500m	-55	125		CN44a	SPST Fet;Analogue Sw;Ton 300nS;Toff 300nS.
50▼	SD5001B	17		MOS	20$		0.0	10	640m	0	85	K1783	M317	Quad FET Analog Switch Array.
51▼	SD5100A	17		MOS	20$		0.0	30	640m	0	85	K1784	M318	Quad Mux.
52▼	SD5101A	17		MOS	20$		0.0	15	640m	0	85	K1784	M318	Quad Mux.
53▼	SD5200B	17		MOS	20$		0.0	30	640m	0	85	K1783	M317	30V Driver.
54▼	SD5000B	17		MOS	25$		0.0	20	640m	0	85	K1783	M317	Quad FET Analog Switch Array.
55	AH2114CG	17	1.0M	MOS	35%$		15	15	1.3	0	85	K0229	CN18	DPST;Output Volt Swing ±10V typ.
56	AH2114G	17	1.0M	MOS	35%$		15	15	1.3	-55	125	K0229	CN18	DPST;Output Volt Swing ±10V typ.
57	G126IFD	17		MON	-10*		20	0.0	500m	-20	85	K385	TO86	4 Channel;Rds(on)250Ω max; IDSS 2.0mA min
58	G126MFD	17		MON	-10*		20	0.0	500m	-55	125	K385	TO86	4 Channel;Rds(on)250Ω max; IDSS 2.0mA min
59	G128IFD	17		MON	-10*		20	0.0	500m	-20	85	K385	TO86	4 Channel;Rds(on)45Ω max; IDSS 10mA min.
60	G128MFD	17		MON	-10*		20	0.0	500m	-55	125	K385	TO86	4 Channel;Rds(on)45Ω max; IDSS 10mA min.
61	G130IFD	17		MON	-10*		20	0.0	500m	-20	85	K386	TO86	4 Channel;Rds(on)250Ω max; IDSS 2.0mA min.
62	G130MFD	17		MON	-10*		20	0.0	500m	-55	125	K386	TO86	4 Channel;Rds(on)250Ω max; IDSS 2.0mA min
63	G132IFD	17		MON	-10*		20	0.0	500m	-20	85	K386	TO86	4 Channel;Rds(on)45Ω max;IDSS 10mA min.
64	G132MFD	17		MON	-10*		20	0.0	500m	-55	125	K386	TO86	4 Channel;Rds(on)45Ω max;IDSS 10mA min.
65	G1340IFD	17		MON	-10*		20	0.0	500m	-20	85	K385	TO86	4 Channel;Rds(on)10Ω max;IDSS 30mA min.
66	G1340MFD	17		MON	-10*		20	0.0	500m	-55	125	K385	TO86	4 Channel;Rds(on)10Ω max;IDSS 30mA min.
67	G1360IFD	17		MON	-10*		20	0.0	500m	-20	85	K386	TO86	4 Channel;Rds(on)10Ω max;IDSS 30mA min.
68	G1360MFD	17		MON	-10*		20	0.0	500m	-55	125	K386	TO86	4 Channel;Rds(on)10Ω max;IDSS 30mA min.
69	G115IDD	17			-20%		20	0.0		-20	85	K3812	TO116	6 Channel;Rds(on)500Ω max; BVDSS -25V min.
70	G123IDD	17		MOS	-20%		20	0.0		-20	85	K3817	TO116	4 Channel;Rds(on)500Ω max; BVDSS -25V min.
71	G123IFD	17		MOS	-20%		20	0.0		-20	85	K3817	TO86	4 Channel;Rds(on)500Ω max; BVDSS -25V min.
72	CAG6	17		MOS	-30$		15	15	400m	-55	125	K0237	CN45a	SPST Rds 6.0Ω;Ton, Toff 700ns max.
73	CAG6-10	17		MOS	-30$		15	15	400m	-55	125	K0237	CN45a	SPST Rds 10Ω;Ton, Toff 700ns max.
74	N7520B	19					0.0	5.0						6 core memory used as flip-flop;Vth±4.0mV
75	N7521B	19					0.0	5.0						6 core memory used as flip-flop;Vth±7.0mV
76	N7522B	19					0.0	5.0						6 core memory used as wire-or;Vth ±4.0mV.
77	N7523B	19					0.0	5.0						6 core memory used as wire-or;Vth ±7.0mV.
78	N7524B	19					0.0	5.0						6 core memory;dual channel;Vth ±4.0mV.
79	N7525B	19					0.0	5.0						6 core memory;dual channel;Vth ±7.0mV.
80▼	N75S208A	19	35M%	MON		.50*†	5.0	5.0	600m	0	70	K2211	M318	High Speed Dual;tpd 17ns max;Gv 5.0V/mV.
81▼	N75S208F	19	35M%	MON		.50*†	5.0	5.0	600m	0	70	K2211	M257f	High Speed Dual;tpd 17ns max;Gv 5.0V/mV.
82	MC1543L	19		MON	-.80	-1.7†	5.2	5.0	230m	-55	125	K1912	TO116	Dual MECL Core Memory;Vth 23mV max.
83▼	MC3461L	19		MON	-.96%	-1.6*†	5.2	7.5	1.0	0	75	K1949	M200aa	Dual NMOS Memory;tpd 5ns typ.
84	MC1446L	19		MON	2.0%	.40†*	6.0	5.0	575m	0	75	K1913	M191	Four-Channel Plated-Wire.
85▼	DS1605J	19		MOS	2.0%§	.80*	0.0	5.0	575m	-55	125	K1952	M200k	Hex(MOS to TTL Conv)Tri-State Output.
86▼	DS1606J	19		MOS	2.0%§	.80*	0.0	5.0	575m	-55	125	K1952	M200k	Hex(MOS to TTL Conv)Tri-State Output.
87▼	DS1607J	19		MOS	2.0%§	.80*	0.0	5.0	650m	-55	125	K1952	M200k	Hex(MOS to TTL Conv)Tri-State Input/Output
88▼	DS1608J	19		MOS	2.0%§	.80*	0.0	5.0	575m	-55	125	K1952	M200k	Hex(MOS to TTL Conv)Tri-State Input/Output
89▼	DS3605J	19		MOS	2.0%§	.80*	0.0	5.0	575m	0	70	K1952	M200k	Hex(MOS to TTL Conv)Tri-State Output.
90▼	DS3605N	19		MOS	2.0%§	.80*	0.0	5.0	575m	0	70	K1952	M345	Hex(MOS to TTL Conv)Tri-State Output.
91▼	DS3606J	19		MOS	2.0%§	.80*	0.0	5.0	575m	0	70	K1952	M200k	Hex(MOS to TTL Conv)Tri-State Output.
92▼	DS3606N	19		MOS	2.0%§	.80*	0.0	5.0	575m	0	70	K1952	M345	Hex(MOS to TTL Conv)Tri-State Output.
93▼	DS3607J	19		MOS	2.0%§	.80*	0.0	5.0	650m	0	70	K1952	M200k	Hex(MOS to TTL Conv)Tri-State Input/Output
94▼	DS3607N	19		MOS	2.0%§	.80*	0.0	5.0	650m	0	70	K1952	M345	Hex(MOS to TTL Conv)Tri-State Input/Output
95▼	DS3608J	19		MOS	2.0%§	.80*	0.0	5.0	575m	0	70	K1952	M200k	Hex(MOS to TTL Conv)Tri-State Input/Output
96▼	DS3608N	19		MOS	2.0%§	.80*	0.0	5.0	575m	0	70	K1952	M345	Hex(MOS to TTL Conv)Tri-State Input/Output
97▼	DS3625N	19		MOS	2.0%	.80*	0.0	5.0	1.0	0	70	K1948	M239a	Dual High Spd MOS;tpd 25ns max.
98▼	DS3651J	19		MOS	2.0%§	.80*	5.0	5.0	210m	0	70	K1951	M200k	Quad High Speed;tpd 15ns typ.
99▼	DS3651N	19		MOS	2.0%§	.80*	5.0	5.0	210m	0	70	K1951	M345	Quad High Speed;tpd 18ns typ.
100▼	DS3653J	19		MOS	2.0%§	.80*	5.0	5.0	210m	0	70	K1951	M200k	Quad High Speed;tpd 15ns typ.
101▼	DS3653N	19		MOS	2.0%§	.80*	5.0	5.0	210m	0	70	K1951	M345	Quad High Speed;tpd 18ns typ.
102▼	DS5520AJ	19		MON	2.0%	.80*	5.0	5.0	265m	-55	125	K1932	M200k	Dual Core Memory;tpd 55ns max.
103▼	DS5520J	19		MON	2.0%	.80*	5.0	5.0	265m	-55	125	K1932	M200k	Dual Core Memory;tpd 55ns max.
104▼	DS5521J	19		MON	2.0%	.80*	5.0	5.0	265m	-55	125	K1932	M200k	Dual Core Memory;tpd 55ns max.
105▼	DS5522AJ	19		MON	2.0%	.80*	5.0	5.0	270m	-55	125	K1950	M200k	Dual Core Memory;tpd 45ns max.
106▼	DS5522J	19		MON	2.0%	.80*	5.0	5.0	270m	-55	125	K1950	M200k	Dual Core Memory;tpd 45ns max.
107▼	DS5523J	19		MON	2.0%	.80*	5.0	5.0	270m	-55	125	K1950	M200k	Dual Core Memory;tpd 45ns max.
108▼	DS5524AJ	19		MON	2.0%	.80*	5.0	5.0	290m	-55	125	K1953	M200k	Dual Core Memory;tpd 40ns max.
109▼	DS5524J	19		MON	2.0%	.80*	5.0	5.0	290m	-55	125	K1953	M200k	Dual Core Memory;tpd 40ns max.
110▼	DS5525J	19		MON	2.0%	.80*	5.0	5.0	290m	-55	125	K1953	M200k	Dual Core Memory;tpd 40ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	DS5528AJ	19		MON	2.0%	.80*	5.0	5.0	290m	-55	125	K1935b	M200k	Dual Core Memory;tpd 40ns max.
2▼	DS5528J	19		MON	2.0%	.80*	5.0	5.0	290m	-55	125	K1935b	M200k	Dual Core Memory;tpd 40ns max.
3▼	DS5529J	19		MON	2.0%	.80*	5.0	5.0	290m	-55	125	K1935b	M200k	Dual Core Memory;tpd 40ns max.
4▼	DS5534AJ	19		MON	2.0%	.80*	5.0	5.0	280m	-55	125	K1935c	M200k	Dual Core Memory;tpd 40ns max.
5▼	DS5534J	19		MON	2.0%	.80*	5.0	5.0	280m	-55	125	K1935c	M200k	Dual Core Memory;tpd 40ns max.
6▼	DS5535J	19		MON	2.0%	.80*	5.0	5.0	280m	-55	125	K1935c	M200k	Dual Core Memory;tpd 40ns max.
7▼	DS5538AJ	19		MON	2.0%	.80*	5.0	5.0	280m	-55	125	K1935b	M200k	Dual Core Memory;tpd 40ns max.
8▼	DS5538J	19		MON	2.0%	.80*	5.0	5.0	280m	-55	125	K1935b	M200k	Dual Core Memory;tpd 40ns max.
9▼	DS5539J	19		MON	2.0%	.80*	5.0	5.0	280m	-55	125	K1935b	M200k	Dual Core Memory;tpd 40ns max.
10▼	DS7520AJ	19		MON	2.0%	.80*	5.0	5.0	265m	0	70	K1932	M200k	Dual Core Memory;tpd 55ns max.
11▼	DS7520J	19		MON	2.0%	.80*	5.0	5.0	265m	0	70	K1932	M200k	Dual Core Memory;tpd 55ns max.
12▼	DS7520N	19		MON	2.0%	.80*	5.0	5.0	265m	0	70	K1932	M345	Dual Core Memory;tpd 55ns max.
13▼	DS7521AJ	19		MON	2.0%	.80*	5.0	5.0	265m	0	70	K1932	M200k	Dual Core Memory;tpd 55ns max.
14▼	DS7521J	19		MON	2.0%	.80*	5.0	5.0	265m	0	70	K1932	M200k	Dual Core Memory;tpd 55ns max.
15▼	DS7521N	19		MON	2.0%	.80*	5.0	5.0	265m	0	70	K1932	M345	Dual Core Memory;tpd 55ns max.
16▼	DS7522AJ	19		MON	2.0%	.80*	5.0	5.0	270m	0	70	K1950	M200k	Dual Core Memory;tpd 45ns max.
17▼	DS7522AN	19		MON	2.0%	.80*	5.0	5.0	270m	0	70	K1950	M345	Dual Core Memory;tpd 45ns max.
18▼	DS7522J	19		MON	2.0%	.80*	5.0	5.0	270m	0	70	K1950	M200k	Dual Core Memory;tpd 45ns max.
19▼	DS7522N	19		MON	2.0%	.80*	5.0	5.0	270m	0	70	K1950	M345	Dual Core Memory;tpd 45ns max.
20▼	DS7523J	19		MON	2.0%	.80*	5.0	5.0	270m	0	70	K1950	M200k	Dual Core Memory;tpd 45ns max.
21▼	DS7523N	19		MON	2.0%	.80*	5.0	5.0	270m	0	70	K1950	M345	Dual Core Memory;tpd 45ns max.
22▼	DS7524AJ	19		MON	2.0%	.80*	5.0	5.0	290m	0	70	K1953	M200k	Dual Core Memory;tpd 40ns max.
23▼	DS7524AN	19		MON	2.0%	.80*	5.0	5.0	290m	0	70	K1953	M345	Dual Core Memory;tpd 40ns max.
24▼	DS7524J	19		MON	2.0%	.80*	5.0	5.0	290m	0	70	K1953	M200k	Dual Core Memory;tpd 40ns max.
25▼	DS7524N	19		MON	2.0%	.80*	5.0	5.0	290m	0	70	K1953	M345	Dual Core Memory;tpd 40ns max.
26▼	DS7525J	19		MON	2.0%	.80*	5.0	5.0	290m	0	70	K1953	M200k	Dual Core Memory;tpd 40ns max.
27▼	DS7525N	19		MON	2.0%	.80*	5.0	5.0	290m	0	70	K1953	M345	Dual Core Memory;tpd 40ns max.
28▼	DS7528AJ	19		MON	2.0%	.80*	5.0	5.0	290m	0	70	K1935b	M200k	Dual Core Memory;tpd 40ns max.
29▼	DS7528AN	19		MON	2.0%	.80*	5.0	5.0	290m	0	70	K1935b	M345	Dual Core Memory;tpd 40ns max.
30▼	DS7528J	19		MON	2.0%	.80*	5.0	5.0	290m	0	70	K1935b	M200k	Dual Core Memory;tpd 40ns max.
31▼	DS7528N	19		MON	2.0%	.80*	5.0	5.0	290m	0	70	K1935b	M345	Dual Core Memory;tpd 40ns max.
32▼	DS7529J	19		MON	2.0%	.80*	5.0	5.0	290m	0	70	K1935b	M200k	Dual Core Memory;tpd 40ns max.
33▼	DS7529N	19		MON	2.0%	.80*	5.0	5.0	290m	0	70	K1935b	M345	Dual Core Memory;tpd 40ns max.
34▼	DS7534AJ	19		MON	2.0%	.80*	5.0	5.0	280m	0	70	K1935c	M200k	Dual Core Memory;tpd 40ns max.
35▼	DS7534AN	19		MON	2.0%	.80*	5.0	5.0	280m	0	70	K1935c	M345	Dual Core Memory;tpd 40ns max.
36▼	DS7534J	19		MON	2.0%	.80*	5.0	5.0	280m	0	70	K1935c	M200k	Dual Core Memory;tpd 40ns max.
37▼	DS7534N	19		MON	2.0%	.80*	5.0	5.0	280m	0	70	K1935c	M345	Dual Core Memory;tpd 40ns max.
38▼	DS7535J	19		MON	2.0%	.80*	5.0	5.0	280m	0	70	K1935c	M200k	Dual Core Memory;tpd 40ns max.
39▼	DS7535N	19		MON	2.0%	.80*	5.0	5.0	280m	0	70	K1935c	M345	Dual Core Memory;tpd 40ns max.
40▼	DS7538AJ	19		MON	2.0%	.80*	5.0	5.0	280m	0	70	K1935b	M200k	Dual Core Memory;tpd 40ns max.
41▼	DS7538AN	19		MON	2.0%	.80*	5.0	5.0	280m	0	70	K1935b	M345	Dual Core Memory;tpd 40ns max.
42▼	DS7538J	19		MON	2.0%	.80*	5.0	5.0	280m	0	70	K1935b	M200k	Dual Core Memory;tpd 40ns max.
43▼	DS7538N	19		MON	2.0%	.80*	5.0	5.0	280m	0	70	K1935b	M345	Dual Core Memory;tpd 40ns max.
44▼	DS7539J	19		MON	2.0%	.80*	5.0	5.0	280m	0	70	K1935b	M200k	Dual Core Memory;tpd 40ns max.
45▼	DS7539N	19		MON	2.0%	.80*	5.0	5.0	280m	0	70	K1935b	M345	Dual Core Memory;tpd 40ns max.
46	ITT5534	19		MON	2.0%	.80*	5.0	5.0	280m§	-55	125	K1935c		Dual Ch;tpd 40ns max.
47	ITT5535	19		MON	2.0%	.80*	5.0	5.0	280m§	-55	125	K1935c		Dual Ch;tpd 40ns max.
48	ITT7520	19		MON	2.0%	.80*	5.0	5.0	265m§	0	70	K1937		Dual Ch;tpd 55ns max.
49	ITT7521	19		MON	2.0%	.80*	5.0	5.0	265m§	0	70	K1937		Dual Ch.
50	ITT7522	19		MON	2.0%	.80*	5.0	5.0	270m§	0	70	K1938		Dual Ch;tpd 45ns max.
51	ITT7523	19		MON	2.0%	.80*	5.0	5.0	270m§	0	70	K1938		Dual Ch.
52	ITT7524	19		MON	2.0%	.80*	5.0	5.0	290m§	0	70	K1935a		Dual Ch;tpd 40ns max.
53	ITT7525	19		MON	2.0%	.80*	5.0	5.0	290m§	0	70	K1935a		Dual Ch.
54	ITT7528	19		MON	2.0%	.80*	5.0	5.0	290m§	0	70	K1935		Dual Ch;tpd 40ns max.
55	ITT7529	19		MON	2.0%	.80*	5.0	5.0	290m§	0	70	K1935		Dual Ch;tpd 40ns max.
56	ITT7534	19		MON	2.0%	.80*	5.0	5.0	280m§	-55	125	K1935c		Dual Ch;tpd 40ns max.
57	ITT7535	19		MON	2.0%	.80*	5.0	5.0	280m§	-55	125	K1935c		Dual Ch;tpd 40ns max.
58	ITT75234	19		MON	2.0%	.80*	5.0	5.0	280m§	-55	125	K1935c		Dual Ch;tpd 40ns max.
59	ITT75235	19		MON	2.0%	.80*	5.0	5.0	280m§	-55	125	K1935c		Dual Ch;tpd 40ns max.
60	LM165	19		MOS	2.0%§	.80*	0.0	5.0	350m†	-55	125	K1947		Hex(MOS to TTL Converters).
61	LM166	19		MOS	2.0%§	.80*	0.0	5.0	350m†	-55	125	K1947		Hex(MOS to TTL Converters).
62	LM167	19		MOS	2.0%§	.80*	0.0	5.0	400m†	-55	125	K1947		Hex(MOS to TTL Converters).
63	LM168	19		MOS	2.0%§	.80*	0.0	5.0	400m†	-55	125	K1947		Hex(MOS to TTL Converters).
64	LM365	19		MOS	2.0%§	.80*	0.0	5.0	350m†	0	70	K1947		Hex8mos to TTL Converters).
65	LM366	19		MOS	2.0%§	.80*	0.0	5.0	350m†	0	70	K1947		Hex(MOS to TTL Converters).
66	LM367	19		MOS	2.0%§	.80*	0.0	5.0	400m†	0	70	K1947		Hex(MOS to TTL Converters).
67	LM368	19		MOS	2.0%§	.80*	0.0	5.0	400m†	0	70	K1947		Hex(MOS to TTL Converters).
68▼	MC1444F	19		MON	2.0%	.80*	6.0	5.0	1.0	0	75	K1925	FP85	AC-Coupled 4-Chan;Vth 1.0mV;tpd 25ns max.
69♦	MC1444L	19		MON	2.0%	.80*	6.0	5.0	1.0	0	75	K1925	M200aa	AC-Coupled 4-Channel;Vth 1.0mV;tpd 25nsmax
70▼	MC1544F	19		MON	2.0%	.80*	6.0	5.0	1.0	-55	125	K1925	FP85	AC-Coupled 4-Chan;Vth 1.0mV;tpd 25ns max.
71♦	MC1544L	19		MON	2.0%	.80*	6.0	5.0	1.0	-55	125	K1925	M200aa	AC-Coupled 4-Channel;Vth 1.0mV;tpd 25nsmax
72	MC5522L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1944	M191	Dual w/Single-Ended Open Collector Output.
73	MC5523L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1944	M191	Dual w/Single-Ended Open Collector Output.
74	MC5524L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1945	M191	Dual High-Speed;tpd 40ns max.
75	MC5525L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1945	M191	Dual High-Speed;tpd 40ns max.
76♦	MC5528L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1935	M200aa	Dual W/Preamp;tpd 40ns max.
77♦	MC5529L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1935	M200aa	Dual w/Preamp;tpd 40ns max.
78	MC5534L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1935a	M191	Dual W/Inverted Outputs.
79	MC5535L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1935a	M191	Dual W/Inverted Ouuputs.
80	MC5538L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1935	M191	Dual W/Preamp And Inverted Outputs.
81	MC5539L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1935	M191	Dual W/Preamp And Inverted Outputs.
82	MC7522L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1944	M191	Dual w/Single-Ended Open Collector Output.
83	MC7522P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1944	M278	Dual w/Single-Ended Open Collector Output.
84	MC7523L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1944	M191	Dual w/Single-Ended Open Collector Output.
85	MC7523P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1944	M278	Dual w/Single-Ended Open Collector Output.
86	MC7524L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1945	M191	Dual High-Speed;tpd 40ns max.
87	MC7524P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1945	M278	Dual High-Speed;tpd 40ns max.
88	MC7525L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1945	M191	Dual High-Speed;tpd 40ns max.
89	MC7525P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1945	M278	Dual High-Speed;tpd 40ns max.
90♦	MC7528L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935	M200aa	Dual W/Preamp;tpd 40ns max.
91	MC7528P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935	M278	Dual W/Preamp;tpd 40ns max.
92♦	MC7529L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935	M200aa	Dual W/Preamp;tpd 40ns max.
93	MC7529P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935	M278	Dual W/Preamp;tpd 40ns max.
94	MC7534L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935a	M191	Dual W/Inverted Outputs.
95	MC7534P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935a	M278	Dual W/Inverted Outputs.
96	MC7535L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935a	M191	Dual W/Inverted Outputs.
97	MC7535P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935a	M278	Dual W/Inverted Outputs.
98	MC7538L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935	M191	Dual W/Preamp And Inverted Outputs.
99	MC7538P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935	M278	Dual W/Preamp And Inverted Outputs.
100	MC7539L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935	M191	Dual W/Preamp And Inverted Outputs.
101	MC7539P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935	M278	Dual W/Preamp And Inverted Outputs.
102	RC7520DD	19		MON	2.0%	.80*	5.0	5.0	210m†	0	70	K1932	M200h	Core Memory;tpd 55ns max;Vth 19mV max.
103	RC7520MP	19		MON	2.0%	.80*	5.0	5.0	210m†	0	70	K1932	M267a	Core Memory;tpd 55ns max;Vth 19mV max.
104	RC7521DD	19		MON	2.0%	.80*	5.0	5.0	210m†	0	70	K1932	M200h	Core Memory;tpd 55ns max;Vth 22mV max.
105	RC7521MP	19		MON	2.0%	.80*	5.0	5.0	210m†	0	70	K1932	M267a	Core Memory;tpd 55ns max;Vth 22mV max.
106	RC7522DD	19		MON	2.0%	.80*	5.0	5.0	210m†	0	70	K1933	M200h	Core Memory;tpd 45ns max;Vth 19mV max.
107	RC7522MP	19		MON	2.0%	.80*	5.0	5.0	210m†	0	70	K1933	M267a	Core Memory;tpd 45ns max;Vth 19mV max.
108	RC7523DD	19		MON	2.0%	.80*	5.0	5.0	210m†	0	70	K1933	M200h	Core Memory;tpd 45ns max;Vth 22mV max.
109	RC7523MP	19		MON	2.0%	.80*	5.0	5.0	210m†	0	70	K1933	M267a	Core Memory;tpd 45ns max;Vth 22mV max.
110	RC7524DD	19		MON	2.0%	.80*	5.0	5.0	200m†	0	70	K1934	M200h	Core Memory;tpd 40ns max;Vth 19mV max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	RC7524MP	19		MON	2.0%	.80*	5.0	5.0	200mt	0	70	K1934	M267a	Core Memory;tpd 40ns max;Vth 19mV max.
2	RC7525DD	19		MON	2.0%	.80*	5.0	5.0	200mt	0	70	K1934	M200h	Core Memory;tpd 40ns max;Vth 22mV max.
3	RC7525MP	19		MON	2.0%	.80*	5.0	5.0	200mt	0	70	K1934	M267a	Core Memory;tpd 40ns max;Vth 22mV max.
4	RM5520DD	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1932	M200h	Core Memory;tpd 55ns max;Vth 20mV max.
5	RM5520MP	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1932	M267a	Core Memory;tpd 55ns max;Vth 20mV max.
6	RM5521DD	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1932	M200h	Core Memory;tpd 55ns max;Vth 22mV max.
7	RM5521MP	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1932	M267a	Core Memory;tpd 55ns max;Vth 22mV max.
8	RM5522DD	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1933	M200h	Core Memory;tpd 45ns max;Vth 20mV max.
9	RM5522MP	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1933	M267a	Core Memory;tpd 45ns max;Vth 20mV max.
10	RM5523DD	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1933	M200h	Core Memory;tpd 45ns max;Vth 22mV max.
11	RM5523MP	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1933	M267a	Core Memory;tpd 45ns max;Vth 22mV max.
12	RM5524DD	19		MON	2.0%	.80*	5.0	5.0	200mt	-55	125	K1934	M200h	Core Memory;tpd 40ns max;Vth 20mV max.
13	RM5524MP	19		MON	2.0%	.80*	5.0	5.0	200mt	-55	125	K1934	M267a	Core Memory;tpd 40ns max;Vth 20mV max.
14	RM5525DD	19		MON	2.0%	.80*	5.0	5.0	200mt	-55	125	K1934	M200h	Core Memory;tpd 40ns max;Vth 22mV max.
15	RM5525MP	19		MON	2.0%	.80*	5.0	5.0	200mt	-55	125	K1934	M267a	Core Memory;tpd 40ns max;Vth 22mV max.
16#	SFC2524EC	19		MON	2.0%	.80*	5.0	5.0		0	70	K15223	M117	Vth 19mV max;tpd 40ns max;trec 20ns.
17#	SFC2524KM	19		MON	2.0%	.80*	5.0	5.0		-55	125	K15223	M117	Vth 19mV max;tpd 40ns max;trec 20ns.
18#	SFC2525EC	19		MON	2.0%	.80*	5.0	5.0		0	70	K15223	M117	Vth 22mV max;tpd 40ns max;trec 20ns.
19#	SFC2525KM	19		MON	2.0%	.80*	5.0	5.0		-55	125	K15223	M117	Vth 22mV max;tpd 40ns max;trec 20ns.
20#	SFC2528EC	19		MON	2.0%	.80*	5.0	5.0		0	70	K198	M117	Vth 19mV max;tpd 40ns;trec 20ns.
21#	SFC2528KM	19		MON	2.0%	.80*	5.0	5.0		-55	125	K198	M117	Vth 19mV max;tpd 40ns;trec 20ns.
22#	SFC2529EC	19		MON	2.0%	.80*	5.0	5.0		0	70	K198	M117	Vth 22mV max;tpd 40ns;trec 20ns.
23#	SFC2529KM	19		MON	2.0%	.80*	5.0	5.0		-55	125	K198	M117	Vth 22mV max;tpd 40ns;trec 20ns.
24	SG7520J	19			2.0	.80	0.0	5.0	215m%	0	70	K1937	M105ap	Dual;tpd 55ns max.
25	SG7520N	19			2.0	.80	0.0	5.0	215m%	0	70	K1937	M117	Dual;tpd 55ns max.
26	SG7521J	19			2.0	.80	0.0	5.0	215m%	0	70	K1937	M105ap	Dual;tpd 55ns max.
27	SG7521N	19			2.0	.80	0.0	5.0	215m%	0	70	K1937	M117	Dual;tpd 55ns max.
28	SG7522J	19			2.0	.80	0.0	5.0	215m%	0	70	K1938	M105ap	Dual;tpd 45ns max.
29	SG7522N	19			2.0	.80	0.0	5.0	215m%	0	70	K1938	M117	Dual;tpd 45ns max.
30	SG7523J	19			2.0	.80	0.0	5.0	215m%	0	70	K1938	M105ap	Dual;tpd 45ns max.
31	SG7523N	19			2.0	.80	0.0	5.0	215m%	0	70	K1938	M117	Dual;tpd 45ns max.
32	SG7524J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935	M105ap	Dual;tpd 40ns max.
33	SG7524N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935	M117	Dual;tpd 40ns max.
34	SG7525J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935	M105ap	Dual;tpd 40nS max.
35	SG7525N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935	M117	Dual;tpd 40ns max.
36	SG7528J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935a	M105ap	Dual;tpd 40ns max.
37	SG7528N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935a	M117	Dual;tpd 40ns max.
38	SG7529J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935a	M105ap	Dual;tpd 40ns max.
39	SG7529N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935a	M117	Dual;tpd 40ns max.
40	SG7534J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935b	M105ap	Dual;tpd 40nS max.
41	SG7534N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935b	M117	Dual;tpd 40nS max.
42	SG7535J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935b	M105ap	Dual;tpd 40nS max.
43	SG7535N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935b	M117	Dual;tpd 40nS max.
44	SG7538J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935c	M105ap	Dual;tpd 40nS max.
45	SG7538N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935c	M117	Dual;tpd 40nS max.
46	SG7539J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935c	M105ap	Dual;tpd 40nS max.
47	SG7539N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935c	M117	Dual;tpd 40nS max.
48	SN5520JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15221	M359	Dual Channel w/Complementary Outputs.
49	SN5521JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15221	M359	Dual Channel w/Complementary Outputs.
50	SN5522JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15222	M359	Dual Channel;Vth 19mV max;trec 20ns.
51	SN5523JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15222	M359	Dual Channel;Vth 22mV max;trec 20ns.
52	SN5524J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15223	M153d	Dual;Vth 19mV max;trec 20ns.
53	SN5524JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15223	M359	Dual;Vth 19mV max;trec 20ns.
54▼	SN5524W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15223	FP93c	Dual;Vth 19mV max;trec 20ns.
55	SN5525J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15223	M153d	Dual;Vth 22mV max;trec 20ns.
56	SN5525JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15223	M359	Dual;Vth 22mV max;trec 20ns.
57▼	SN5525W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15223	FP93c	Dual;Vth 22mV max;trec 20ns.
58	SN5528J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K198	M153d	Dual w/Preamplifier Test Points.
59	SN5528JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K198	M359	Dual w/Preamplifier Test Points.
60▼	SN5528W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K198	FP93c	Dual;Vth 19mV max;tpd 40ns max;trec 20ns.
61	SN5529J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K198	M153d	Dual w/Preamplifier Test Points.
62	SN5529JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K198	M359	Dual w/Preamplifier Test Points.
63▼	SN5529W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K198	FP93c	Dual;Vth 22mV max;tpd 40ns max;trec 20ns.
64▼	SN5534J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125		M200j	Dual Core Sense Amp.
65▼	SN5534W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125		FP93c	Dual Core Sense Amp.
66▼	SN5535J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125		M200j	Dual Core Sense Amp.
67▼	SN5535W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125		FP93c	Dual Core Sense Amp.
68▼	SN5538J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125		M200j	Dual Core Sense Amp.
69▼	SN5538W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125		FP93c	Dual Core Sense Amp.
70▼	SN5539J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125		M200j	Dual Core Sense Amp.
71▼	SN5539W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125		FP93c	Dual Core Sense Amp.
72	SN7520J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15221	M153d	Vth 19mVmax;tpd 55ns max;trec 20ns.
73	SN7520N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15221	M117x	Vth 19mVmax;tpd 55ns max;trec 20ns.
74	SN7521J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15221	M153d	Vth 22mVmax;tpd 55ns max;trec 20ns.
75	SN7521N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15221	M117x	Vth 22mVmax;tpd 55ns max;trec 20ns.
76	SN7522J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15222	M153d	Vth 19mVmax;tpd 45ns max;trec 20ns.
77	SN7522N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15222	M117x	Vth 19mVmax;tpd 45ns max;trec 20ns.
78	SN7523J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15222	M153d	Vth 22mVmax;tpd 45ns max;trec 20ns.
79	SN7523N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15222	M117x	Vth 22mVmax;tpd 45ns max;trec 20ns.
80	SN7524J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15223	M153d	Vth 19mVmax;tpd 40ns max;trec 20ns.
81	SN7524N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15223	M117x	Vth 19mVmax;tpd 40ns max;trec 20ns.
82	SN7525J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15223	M153d	Vth 22mVmax;tpd 40ns max;trec 20ns.
83	SN7525N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15223	M117x	Vth 22mV max;tpd 40ns max;trec 20ns.
84	SN7528J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K198	M153d	Vth 19mV max;tpd 40ns max;trec 20ns.
85	SN7528N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K198	M117x	Vth 19mV max;tpd 40ns max;trec 20ns.
86	SN7529J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K198	M153d	Vth 22mV max;tpd 40ns max;trec 20ns.
87	SN7529N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K198	M117x	Vth 22mV max;tpd 40ns max;trec 20ns.
88▼	SN7534J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70		M200j	Dual Core Sense Amp.
89▼	SN7534N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70		M352	Dual Core Sense Amp.
90▼	SN7535J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70		M200j	Dual Core Sense Amp.
91▼	SN7535N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70		M352	Dual Core Sense Amp.
92▼	SN7538J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70		M200j	Dual Core Sense Amp.
93▼	SN7538N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70		M532	Dual Core Sense Amp.
94▼	SN7539J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70		M200j	Dual Core Sense Amp.
95▼	SN7539N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70		M532	Dual Core Sense Amp.
96▼	SN55224J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125		M200j	Dual Core Sense Amp;Internal Comp.
97▼	SN55224W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125		FP93c	Dual Core Sense Amp;Internal Comp.
98▼	SN55225J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125		M200j	Dual Core Sense Amp;Internal Comp.
99▼	SN55225W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125		FP93c	Dual Core Sense Amp;Internal Comp.
100	SN55232J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1926	M153d	Dual;tpd 25ns typ;tcyc 200ns typ.
101	SN55232JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1926	M359	Dual;tpd 25ns typ;tcyc 200ns typ.
102▼	SN55232W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1926	FP93c	Dual;tpd 25ns;tcyc 200ns.
103	SN55233J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1926	M153d	Dual;tpd 25ns typ;tcyc 200ns typ.
104	SN55233JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1926	M359	Dual;tpd 25ns typ;tcyc 200ns typ.
105▼	SN55233W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1926	FP93c	Dual;tpd 25ns;tcyc 200ns.
106	SN55234J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1927	M153d	Dual;tpd 40ns max;tcyc 200ns typ.
107	SN55234JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1927	M359	Dual;tpd 40ns max;tcyc 200ns typ.
108▼	SN55234W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1927	FP93c	Dual;tpd 40ns max;tcyc 200ns.
109	SN55235J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1927	M153d	Dual;tpd 40ns max;tcyc 200ns typ.
110	SN55235JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1927	M359	Dual;tpd 40ns max;tcyc 200ns typ.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	SN55235W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1927	FP93c	Dual;tpd 40ns max;tcyc 200ns.
2	SN55236SB	19		MON	2.0%	.80*	5.0	5.0	450m	-55	125	K1940	FP107	Dual w/Data Registers.
3	SN55237SB	19		MON	2.0%	.80*	5.0	5.0	450m	-55	125	K1940	FP107	Dual w/Data Registers.
4	SN55238J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1928	M153d	Dual;w/Preamplifier;tpd 40ns max.
5	SN55238JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1928	M359	Dual;w/Preamplifier;tpd 40ns max.
6▼	SN55238W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1928	FP93c	Dual w/Preamplifier;tpd 40ns max.
7	SN55239J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1928	M153d	Dual;w/Preamplifier;tpd 40ns max.
8	SN55239JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1928	M359	Dual;w/Preamplifier;tpd 40ns max.
9▼	SN55239W	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1928	FP93c	Dual w/Preamplifier;tpd 40ns max.
10▼	SN75224J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70		M200j	Dual Core Sense Amp;Internal Comp.
11▼	SN75224N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70		M532	Dual Core Sense Amp;Internal Comp.
12▼	SN75225J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70		M200j	Dual Core Sense Amp;Internal Comp.
13▼	SN75225N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70		M532	Dual Core Sense Amp;Internal Comp.
14	SN75232J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1926	M153d	Dual;tpd 40ns max;tcyc 200ns typ.
15	SN75232N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1926	M117x	Dual;tpd 40ns max;tcyc 200ns typ.
16	SN75233J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1926	M153d	Dual;tpd 40ns max;tcyc 200ns typ.
17	SN75233N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1926	M117x	Dual;tpd 40ns max;tcyc 200ns typ.
18	SN75234J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1927	M153d	Dual;tpd 40ns max;Tcyc 200ns typ.
19	SN75234N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1927	M117x	Dual;tpd 40ns max;Tcyc 200ns typ.
20	SN75235J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1927	M153d	Dual;tpd 40ns max;Tcyc 200ns typ.
21	SN75235N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1927	M117x	Dual;tpd 40ns max;Tcyc 200ns typ.
22	SN75236SB	19		MON	2.0%	.80*	5.0	5.0	450m	0	70	K1940	FP107	Dual w/Data Registers.
23	SN75237SB	19		MON	2.0%	.80*	5.0	5.0	450m	0	70	K1940	FP107	Dual w/Data Registers.
24	SN75238J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1928	M153d	Dual;w/Preamplifier;tpd 40ns max.
25	SN75238N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1928	M117x	Dual;w/Preamplifier;tpd 40ns max.
26	SN75239J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1928	M153d	Dual;w/Preamplifier;tpd 40ns max.
27	SN75239N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1928	M117x	Dual;w/Preamplifier;tpd 40ns max.
28	SN75244JA	19		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K1941	M359	A-C Coupled 4-Channel;Vth .7mV typ.
29	SN75244N	19		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K1941	M117x	A-C Coupled 4-Channel;Vth .7mV typ.
30	D3208A	19			2.0%	.85*	0.0	5.0	600m§	0	70	K1930	M315	High Speed Hex Sense Amp for MOS Ckts.
31	D3408A	19			2.0%§	.85*	0.0	5.0	625m§	0	70	K1931	M315	Hi Speed Hex Sens Amp for MOS Ckt w/Latch
32	P3208A	19		MON	2.0%	.85*	0.0	5.0	600m	0	70	K1930	M290	High Speed Hex Sense Amp for MOS Ckts.
33	P3408A	19		MON	2.0%§	.85*	0.0	5.0	600m	0	70	K1931	M290	Hi Speed Hex Sens Amp for MOS Ckt w/Latch
34	LM363AJ	19		MOS	2.4%	.40†*	5.0	5.0	600m	0	70	K1939	M294f	Dual;tpd 35ns max;Vi ±5.0V.
35	LM363AN	19		MOS	2.4%	.40†*	5.0	5.0	600m	0	70	K1939	M344	Dual;tpd 35ns max;Vi ±5.0V.
36	SN75270J	19		MON	2.4%	.40*†	0.0	5.0	100m†	0	70	K1929	M153a	MOS Sense Amp;MOS to TTL Conv.
37	SN75270N	19		MON	2.4%	.40*†	0.0	5.0	100m†	0	70	K1929	M117	MOS Sense Amp;MOS to TTL Conv.
38#	ZN1030E	19		MON	2.6%	.50†*	6.5	4.5	245m	0	70	K1946	TO116	Threshold Volt 22mV max;ton 4.0ns;toff22ns
39▼	N75S207A	19	55M%	MON	2.7%	.50*†	5.0	5.0	600m	0	70	K2211	M318	High Speed Dual;tpd 17ns max;Gv 5.0V/mV.
40▼	N75S207F	19	55M%	MON	2.7%	.50*†	5.0	5.0	600m	0	70	K2211	M257f	High Speed Dual;tpd 17ns max;Gv 5.0V/mV.
41	CA1541D	19		MON	3.0%	.35†*	5.0	5.0	750m	-55	125	K1942	Δ001AD	Dual Input;tpd 35ns max.
42	MC1441F	19		MON	3.0%	.40*†	5.0	5.0	500m	0	75	K1911	TO86	Dual Channel Core Memory;Vth 20mV max.
43	MC1441L	19		MON	3.0%	.40*†	5.0	5.0	600m	0	75	K1911	TO116	Dual Channel Core Memory;Vth 20mV max.
44	MC1541F	19		MON	3.0%	.40*†	5.0	5.0	500m	-55	125	K1911	TO86	Dual channel core memory; Vth 20mVmax.
45	MC1541L	19		MON	3.0%	.40*†	5.0	5.0	600m	-55	125	K1911	TO116	Dual Channel Core Memory;Vth 20mV max.
46	MC1440F	19		MON	5.8%	.45*†	6.0	6.0	500m	-55	125	K1943	TO91	Core Memory;Vth 24mV max;Vio 1.0mV.
47	MC1440G	19		MON	5.8%	.45*†	6.0	6.0	680m	-55	125	K1943	CN54a	Core Memory;Vth 24mV max;Vio 1.0mV.
48	MC1440L,P%	19		MON	5.8%	.45*†	6.0	6.0	625m	-55	125	K1943	TO116	Core Memory;Vth 24mV max;Vio 1.0mV.
49	MC1540F	19		MON	5.9%	.40*†	6.0	6.0	500m	0	75	K1943	TO91	Core Memory;Vth 20mV max;Vio 1.0mV.
50	MC1540G	19		MON	5.9%	.40*†	6.0	6.0	680m	0	75	K1943	CN54a	Core Memory;Vth 20mV max;Vio 1.0mV.
51	MC1540L	19		MON	5.9%	.40*†	6.0	6.0	625m	0	75	K1943	TO116	Core Memory;Vth 20mV max;Vio 1.0mV.
52	HEP571-RT	20					0.0	4.0	250m				TO116	FO 80 typ;tpd 15ns typ.
53	HEP582-RT	20					0.0	4.0	46m				TO99	FO 30 typ;tpd 52ns typ.
54▼	SN54LS125J	20		MON	2.0%§	.70*	0.0	5.0	110m	-55	125	K2010	M157b	3-State Quad Bus Driver;tpd 18ns max.
55▼	SN54LS125W	20		MON	2.0%§	.70*	0.0	5.0	110m	-55	125	K2010	FP97a	3-State Quad Bus Driver;tpd 18ns max.
56▼	SN54LS126J	20		MON	2.0%§	.70*	0.0	5.0	121m	-55	125	K2011	M157b	3-State Quad Bus Driver;tpd 18ns max.
57▼	SN54LS126W	20		MON	2.0%§	.70*	0.0	5.0	121m	-55	125	K2011	FP97a	3-State Quad Bus Driver;tpd 18ns max.
58▼	SN54LS365J	20		MON	2.0%§	.70*	0.0	5.0	132m	-55	125	K206	M153d	3-State Hex Bus Driver;16mA Sink.
59▼	SN54LS365W	20		MON	2.0%§	.70*	0.0	5.0	132m	-55	125	K206	FP98b	3-State Hex Bus Driver;16mA Sink.
60▼	SN54LS366J	20		MON	2.0%§	.70*	0.0	5.0	115m	-55	125	K207	M153d	3-State Hex Bus Driver;16mA Sink.
61▼	SN54LS366W	20		MON	2.0%§	.70*	0.0	5.0	115m	-55	125	K207	FP98b	3-State Hex Bus Driver;16mA Sink.
62▼	SN54LS367J	20		MON	2.0%§	.70*	0.0	5.0	132m	-55	125	K208	M153d	3-State Hex Bus Driver;16mA Sink.
63▼	SN54LS367W	20		MON	2.0%§	.70*	0.0	5.0	132m	-55	125	K208	FP98b	3-State Hex Bus Driver;16mA Sink.
64▼	SN54LS368J	20		MON	2.0%§	.70*	0.0	5.0	115m	-55	125	K209	M153d	3-State Hex Bus Driver;16mA Sink.
65▼	SN54LS368W	20		MON	2.0%§	.70*	0.0	5.0	115m	-55	125	K209	FP98b	3-State Hex Bus Driver;16mA Sink.
66	5518	20		PCB	2.0%	.80*	0.0	5.0	480m†	0	70		CB62	Quad Tri-State Buffer;tpd 23ns max.
67	5518A	20		PCB	2.0%	.80*	0.0	5.0	540m†	0	70		CB62	Quad Tri-State Buffer;tpd 23ns max.
68	DM70L95N	20		MON	2.0%	.80*	0.0	5.0	22m†	-55	125	K2012	M345	Tri-State Hex Buffer;tpd 40ns.
69	DM70L97N	20		MON	2.0%	.80*	0.0	5.0	22m†	-55	125	K2013	M345	Tri-State Hex Buffer;tpd 40ns.
70	DM80L95N	20		MON	2.0%	.80*	0.0	5.0	22m†	0	70	K2012	M345	Tri-State Hex Buffer;tpd 40ns.
71	DM80L97N	20		MON	2.0%	.80*	0.0	5.0	22m†	0	70	K2013	M345	Tri-State Hex Buffer;tpd 40ns.
72	DM7093J	20		MON	2.0%	.80*	0.0	5.0	270m%	-55	125	K202a	M294b	Tri-State Quad Buffer;tpd 23ns max.
73	DM7093W	20		MON	2.0%	.80*	0.0	5.0	270m%	-55	125	K202a	FP97a	Tri-State Quad Buffer;tpd 23ns max.
74	DM7094J	20		MON	2.0%	.80*	0.0	5.0	310m%	-55	125	K202	M294b	Tri-State Quad Buffer;tpd 23ns max.
75	DM7094W	20		MON	2.0%	.80*	0.0	5.0	310m%	-55	125	K202	FP97a	Tri-State Quad Buffer;tpd 23ns max.
76	DM7095J	20		MON	2.0%	.80*	0.0	5.0	325m†	-55	125	K2012	M200r	Tri-State Hex Buffer;tpd 37ns max.
77	DM7095W	20		MON	2.0%	.80*	0.0	5.0	325m†	-55	125	K2012	FP88a	Tri-State Hex Buffer;tpd 37ns max.
78	DM7097J	20		MON	2.0%	.80*	0.0	5.0	325m†	-55	125	K2013	M200r	Tri-State Hex Buffer;tpd 37ns max.
79	DM7097W	20		MON	2.0%	.80*	0.0	5.0	325m†	-55	125	K2013	FP88a	Tri-State Hex Buffer;tpd 37ns max.
80	DM8093J	20		MON	2.0%	.80*	0.0	5.0	270m%	0	70	K202a	M294b	Tri-State Quad Buffer;tpd 23ns max.
81	DM8093N	20		MON	2.0%	.80*	0.0	5.0	270m%	0	70	K202a	M344	Tri-State Quad Buffer;tpd 23ns max.
82	DM8094J	20		MON	2.0%	.80*	0.0	5.0	310m%	0	70	K202	M294b	Tri-State Quad Buffer;tpd 23ns max.
83	DM8094N	20		MON	2.0%	.80*	0.0	5.0	310m%	0	70	K202	M344	Tri-State Quad Buffer;tpd 23ns max.
84	DM8095J	20		MON	2.0%	.80*	0.0	5.0	325m†	0	70	K2012	M200r	Tri-State Hex Buffer;tpd 37ns max.
85	DM8095N	20		MON	2.0%	.80*	0.0	5.0	325m†	0	70	K2012	M345	Tri-State Hex Buffer;tpd 37ns max.
86	DM8095W	20		MON	2.0%	.80*	0.0	5.0	325m†	0	70	K2012	FP88a	Tri-State Hex Buffer;tpd 37ns max.
87	DM8097J	20		MON	2.0%	.80*	0.0	5.0	325m†	0	70	K2013	M200r	Tri-State Hex Buffer;tpd 37ns max.
88	DM8097N	20		MON	2.0%	.80*	0.0	5.0	325m†	0	70	K2013	M345	Tri-State Hex Buffer;tpd 37ns max.
89	DM8097W	20		MON	2.0%	.80*	0.0	5.0	325m†	0	70	K2013	FP88a	Tri-State Hex Buffer;tpd 37ns max.
90	DM54125J	20		MON	2.0%	.80*	0.0	5.0	270m%	-55	125	K202a	M294b	Tri-State Quad Buffer;tpd 23ns max.
91	DM54125W	20		MON	2.0%	.80*	0.0	5.0	270m%	-55	125	K202a	FP97a	Tri-State Quad Buffer;tpd 23ns max.
92	DM54126J	20		MON	2.0%	.80*	0.0	5.0	270m%	-55	125	K202a	M294b	Tri-State Quad Buffer;tpd 23ns max.
93	DM54126W	20		MON	2.0%	.80*	0.0	5.0	270m%	-55	125	K202a	FP97a	Tri-State Quad Buffer;tpd 23ns max.
94	DM74125J	20		MON	2.0%	.80*	0.0	5.0	310m%	0	70	K202	M294b	Tri-State Quad Buffer;tpd 23ns max.
95	DM74125N	20		MON	2.0%	.80*	0.0	5.0	310m%	0	70	K202	M344	Tri-State Quad Buffer;tpd 23ns max.
96	DM74126J	20		MON	2.0%	.80*	0.0	5.0	310m%	0	70	K202	M294b	Tri-State Quad Buffer;tpd 23ns max.
97	DM74126N	20		MON	2.0%	.80*	0.0	5.0	310m%	0	70	K202	M344	Tri-State Quad Buffer;tpd 23ns max.
98▼#	FLH661-74125	20		MON	2.0%	.80*	0.0	5.0	270m§	0	70	K2010	M126p	3 State Bus Driver;tpd 25ns max;FO 10 max
99▼#	FLH661-74126	20		MON	2.0%	.80*	0.0	5.0	310m§	0	70	K2011	M126p	3 State Bus Driver;tpd 25ns max;FO 10 max
100▼#	FLH665-84125	20		MON	2.0%	.80*	0.0	5.0	270m§	-25	85	K2010	M126p	3 State Bus Driver;tpd 25ns max;FO 10 max
101▼#	FLH665-84126	20		MON	2.0%	.80*	0.0	5.0	310m§	-25	85	K2011	M126p	3 State Bus Driver;tpd 25ns max;FO 10 max
102▼#	M53325P	20		MON	2.0%	.80*	0.0	5.0	270m†	0	75	K2010	M105j	TTL 3-State Bus Buffer (H).
103▼#	M53326P	20		MON	2.0%	.80*	0.0	5.0	310m†	0	75	K2011	M105j	TTL 3-State Bus Buffer (L).
104	N8T95B	20		MON	2.0%§	.80*	0.0	5.0	490mΔ	0	75	K2012	M317	TRI-STATE Hex Buffer;tpd 25ns max.
105	N8T95F	20		MON	2.0%§	.80*	0.0	5.0	490mΔ	0	75	K2012	M200v	TRI-STATE Hex Buffer;tpd 25ns max.
106	N8T97B	20		MON	2.0%§	.80*	0.0	5.0	490mΔ	0	75	K2013	M317	TRI-STATE Hex Buffer;tpd 25ns max.
107	N8T97F	20		MON	2.0%§	.80*	0.0	5.0	490mΔ	0	75	K2013	M200v	TRI-STATE Hex Buffer;tpd 25ns max.
108▼	N74125A	20		MON	2.0%	.80*	0.0	5.0	270m§	0	70	K2010	M318	Quad Bus Buffer Gates;tpd 18ns max.
109▼	N74125F	20		MON	2.0%	.80*	0.0	5.0	270m§	0	70	K2010	M257f	Quad Bus Buffer Gates;tpd 18ns max.
110▼	N74125W	20		MON	2.0%	.80*	0.0	5.0	270m§	0	70	K2010	FP39e	Quad Bus Biffer Gates;tpd 18ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	N74126A	20		MON	2.0%	.80*	0.0	5.0	310m§	0	70	K2011	M318	Quad Bus Buffer Gates;tpd 18ns max.
2▼	N74126F	20		MON	2.0%	.80*	0.0	5.0	310m§	0	70	K2011	M257f	Quad Bus Buffer Gates;tpd 18ns max.
3▼	N74126W	20		MON	2.0%	.80*	0.0	5.0	310m§	0	70	K2011	FP39e	Quad Bus Buffer Gates;tpd 18ns max.
4▼	S54125A	20		MON	2.0%	.80*	0.0	5.0	270m§	-55	125	K2010	M318	Quad Bus Buffer Gates;tpd 18ns max.
5▼	S54125F	20		MON	2.0%	.80*	0.0	5.0	270m§	-55	125	K2010	M257f	Quad Bus Buffer Gates;tpd 18ns max.
6▼	S54125W	20		MON	2.0%	.80*	0.0	5.0	270m§	-55	125	K2010	FP39e	Quad Bus Buffer Gates;tpd 18ns max.
7▼	S54126A	20		MON	2.0%	.80*	0.0	5.0	310m§	-55	125	K2011	M318	Quad Bus Buffer Gates;tpd 18ns max.
8▼	S54126F	20		MON	2.0%	.80*	0.0	5.0	310m§	-55	125	K2011	M257f	Quad Bus Buffer Gates;tpd 18ns max.
9▼	S54126W	20		MON	2.0%	.80*	0.0	5.0	310m§	-55	125	K2011	FP39e	Quad Bus Buffer Gates;tpd 18ns max.
10▼	SN74LS125J	20		MON	2.0%§	.80*	0.0	5.0	110m	0	70	K2010	M157b	3-State Quad Bus Driver;tpd 18ns max.
11▼	SN74LS125N	20		MON	2.0%§	.80*	0.0	5.0	110m	0	70	K2010	M126e	3-State Quad Bus Driver;tpd 18ns max.
12▼	SN74LS126J	20		MON	2.0%§	.80*	0.0	5.0	121m	0	70	K2011	M157b	3-State Quad Bus Driver;tpd 18ns max.
13▼	SN74LS126N	20		MON	2.0%§	.80*	0.0	5.0	121m	0	70	K2011	M126e	3-State Quad Bus Driver;tpd 18ns max.
14▼	SN74LS365J	20		MON	2.0%§	.80*	0.0	5.0	132m	0	70	K206	M153d	3-State Hex Bus Driver;16mA Sink.
15▼	SN74LS365N	20		MON	2.0%§	.80*	0.0	5.0	132m	0	70	K206	M117x	3-State Hex Bus Driver;16mA Sink.
16▼	SN74LS366J	20		MON	2.0%§	.80*	0.0	5.0	115m	0	70	K207	M153d	3-State Hex Bus Driver;16mA Sink.
17▼	SN74LS366N	20		MON	2.0%§	.80*	0.0	5.0	115m	0	70	K207	M117x	3-State Hex Bus Driver;16mA Sink.
18▼	SN74LS367J	20		MON	2.0%§	.80*	0.0	5.0	132m	0	70	K208	M153d	3-State Hex Bus Driver;16mA Sink.
19▼	SN74LS367N	20		MON	2.0%§	.80*	0.0	5.0	132m	0	70	K208	M117x	3-State Hex Bus Driver;16mA Sink.
20▼	SN74LS368J	20		MON	2.0%§	.80*	0.0	5.0	115m	0	70	K209	M153d	3-State Hex Bus Driver;16mA Sink.
21▼	SN74LS368N	20		MON	2.0%§	.80*	0.0	5.0	115m	0	70	K209	M117x	3-State Hex Bus Driver;16mA Sink.
22	SN54125J	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K2010	Δ001AA	TTL 3-State Bus Driver, 16mA Sink.
23	SN54125W	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K2010	Δ004AA	TTL 3-State Bus Driver, 16mA Sink.
24	SN54126J	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K2011	Δ001AA	TTL 3-State Bus Driver, 16mA Sink.
25	SN54126W	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K2011	Δ004AA	TTL 3-State Bus Driver, 16mA Sink.
26	SN54265J	20		MON	2.0%	.80*	0.0	5.0	170m§	-55	125	K2014	M153d	Quad Comp-Outp Element;tpd 18ns max.
27	SN54265W	20		MON	2.0%	.80*	0.0	5.0	170m§	-55	125	K2014	Δ004AG	Quad Comp-Outp Element;tpd 18ns max.
28	SN54365J	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K206	M153d	TTL 3-State Hex Bus Driver;32mA Sink.
29	SN54365W	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K206	Δ004AG	TTL 3-State Hex Bus Driver;32mA Sink.
30	SN54366J	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K207	M153d	TTL 3-State Hex Bus Driver;32mA Sink.
31	SN54366W	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K207	Δ004AG	TTL 3-State Hex Bus Driver;32mA Sink.
32	SN54367J	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K208	M153d	TTL 3-State Hex Bus Driver;32mA Sink.
33	SN54367W	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K208	Δ004AG	TTL 3-State Hex Bus Driver;32mA Sink.
34	SN54368J	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K209	M153d	TTL 3-State Hex Bus Driver;32mA Sink.
35	SN54368W	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K209	Δ004AG	TTL 3-State Hex Bus Driver;32mA Sink.
36▼	SN54425J	20		MON	2.0%§	.80*	0.0	5.0	270m	-55	125	K2010	M157b	Quad Gates w/3-State Totem Pole Output.
37▼	SN54425W	20		MON	2.0%§	.80*	0.0	5.0	270m	-55	125	K2010	FP97a	Quad Gates w/3-State Totem Pole Output.
38▼	SN54426J	20		MON	2.0%§	.80*	0.0	5.0	310m	-55	125	K2011	M157b	Quad Gates w/3-State Totem Pole Output.
39▼	SN54426W	20		MON	2.0%§	.80*	0.0	5.0	310m	-55	125	K2011	FP97a	Quad Gates w/3-State Totem Pole Output.
40	SN74125J	20		TTL	2.0%	.80*	0.0	5.0		0	70	K2010	Δ001AA	TTL 3-State Bus Driver, 16mA Sink.
41	SN74125N	20		TTL	2.0%	.80*	0.0	5.0		0	70	K2010	Δ004AA	TTL 3-State Bus Driver, 16mA Sink.
42	SN74126J	20		TTL	2.0%	.80*	0.0	5.0		0	70	K2011	Δ001AA	TTL 3-State Bus Driver, 16mA Sink.
43	SN74126N	20		TTL	2.0%	.80*	0.0	5.0		0	70	K2011	Δ004AA	TTL 3-State Bus Driver, 16mA Sink.
44	SN74265J	20		MON	2.0%	.80*	0.0	5.0	170m§	0	70	K2014	M153d	Quad Comp-Outp Element;tpd 18ns max.
45	SN74265N	20		MON	2.0%	.80*	0.0	5.0	170m§	0	70	K2014	M117x	Quad Comp-Outp Element;tpd 18ns max.
46	SN74365J	20		TTL	2.0%	.80*	0.0	5.0		0	70	K206	M153d	TTL 3-State Hex Bus Driver;32mA Sink.
47	SN74365N	20		TTL	2.0%	.80*	0.0	5.0		0	70	K206	M117x	TTL 3-State Hex Bus Driver;32mA Sink.
48	SN74366J	20		TTL	2.0%	.80*	0.0	5.0		0	70	K207	M153d	TTL 3-State Hex Bus Driver;32mA Sink.
49	SN74366N	20		TTL	2.0%	.80*	0.0	5.0		0	70	K207	M117x	TTL 3-State Hex Bus Driver;32mA Sink.
50	SN74367J	20		TTL	2.0%	.80*	0.0	5.0		0	70	K208	M153d	TTL 3-State Hex Bus Driver;32mA Sink.
51	SN74367N	20		TTL	2.0%	.80*	0.0	5.0		0	70	K208	M117x	TTL 3-State Hex Bus Driver;32mA Sink.
52	SN74368J	20		TTL	2.0%	.80*	0.0	5.0		0	70	K209	M153d	TTL 3-State Hex Bus Driver;32mA Sink.
53	SN74368N	20		TTL	2.0%	.80*	0.0	5.0		0	70	K209	M117x	TTL 3-State Hex Bus Driver;32mA Sink.
54▼	SN74425J	20		MON	2.0%§	.80*	0.0	5.0	270m	0	70	K2010	M157b	Quad Gates w/3-State Totem Pole Output.
55▼	SN74425N	20		MON	2.0%§	.80*	0.0	5.0	270m	0	70	K2010	M126e	Quad Gates w/3-State Totem Pole Output.
56▼	SN74426J	20		MON	2.0%§	.80*	0.0	5.0	310m	0	70	K2011	M157b	Quad Gates w/3-State Totem Pole Output.
57▼	SN74426N	20		MON	2.0%§	.80*	0.0	5.0	310m	0	70	K2011	M126e	Quad Gates w/3-State Totem Pole Output.
58	JANM38510/05501AEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06119	M393	Inverting Hex Buffer;tpd 390ns max.
59	JANM38510/05501AFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06119	FP117	Inverting Hex Buffer;tpd 390ns max.
60	JANM38510/05501BEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06119	M393	Inverting Hex Buffer;tpd 390ns max.
61	JANM38510/05501BFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06119	FP117	Inverting Hex Buffer;tpd 390ns max.
62	JANM38510/05501CEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06119	M393	Inverting Hex Buffer;tpd 390ns max.
63	JANM38510/05501CFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06119	FP117	Inverting Hex Buffer;tpd 390ns max.
64	JANM38510/05502AEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K205	M393	Non Inverting Hex Buffer;tpd 390ns max.
65	JANM38510/05502AFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K205	FP117	Non Inverting Hex Buffer;tpd 390ns max.
66	JANM38510/05502BEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K205	M393	Non Inverting Hex Buffer;tpd 390ns max.
67	JANM38510/05502BFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K205	FP117	Non Inverting Hex Buffer;tpd 390ns max.
68	JANM38510/05502CEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K205	M393	Non Inverting Hex Buffer;tpd 390ns max.
69	JANM38510/05502CFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K205	FP117	Non Inverting Hex Buffer;tpd 390ns max.
70	JANM38510/05503AEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06144	M393	Inverting Hex Buffer;tpd 390ns max.
71	JANM38510/05503AFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06144	FP117	Inverting Hex Buffer;tpd 390ns max.
72	JANM38510/05503BEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06144	M393	Inverting Hex Buffer;tpd 390ns max.
73	JANM38510/05503BFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06144	FP117	Inverting Hex Buffer;tpd 390ns max.
74	JANM38510/05503CEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06144	M393	Inverting Hex Buffer;tpd 390ns max.
75	JANM38510/05503CFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06144	FP117	Inverting Hex Buffer;tpd 390ns max.
76	JANM38510/05504AEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06145	M393	Non Inverting Hex Buffer;tpd 390ns max.
77	JANM38510/05504AFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06145	FP117	Non Inverting Hex Buffer;tpd 390ns max.
78	JANM38510/05504BEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06145	M393	Non Inverting Hex Buffer;tpd 390ns max.
79	JANM38510/05504BFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06145	FP117	Non Inverting Hex Buffer;tpd 390ns max.
80	JANM38510/05504CEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06145	M393	Non Inverting Hex Buffer;tpd 390ns max.
81	JANM38510/05504CFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06145	FP117	Non-Inverting Hex Buffer;tpd 390ns max.
82▼	TF4010AJ	20		MOS	7.1%	2.9*	0.0	10	300u%	-55	125	K205	M153d	Non Inv Hex Buffer;8mA Sink.
83▼	TP4010AJ	20		MOS	7.1%	2.9*	0.0	10	700u%	-40	85	K205	M153d	Non Inv Hex Buffer;8mA Sink.
84	SCL4041AC	20		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K203	M475a	Quad True/Comp Buffer;tpd 70ns max.
85	SCL4041AD	20		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K203	M475b	Quad True/Comp Buffer;tpd 70ns max.
86	SCL4041AE	20		MOS	9.99%	.01*†	0.0	10	20u%	-40	85	K203	M475c	Quad True/Comp Buffer;tpd 70ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SCL4041AF	20		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K203	FP110	Quad True/Comp Buffer;tpd 70ns max.
2	SCL4041AH	20		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K203	FC☑	Quad True/Comp Buffer;tpd 70ns max.
3	SCL4441AC	20		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K204	M475a	Quad High Current Buffer;tpd 60ns max.
4	SCL4441AD	20		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K204	M475b	Quad High Current Buffer;tpd 60ns max.
5	SCL4441AE	20		MOS	9.99%	.01*†	0.0	10	20u%	-40	85	K204	M475c	Quad High Current Buffer;tpd 60ns max.
6	SCL4441AF	20		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K204	FP110	Quad High Current Buffer;tpd 60ns max.
7	SCL4441AH	20		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K204	FC☑	Quad High Current Buffer;tpd 60ns max.
8	CD4041AD	20		MON	10	0.0†	0.0	10	200m	-55	125	K203	Δ001AD	COS/MOS Quad True/Complement Buffer.
9	CD4041AE	20		MON	10	0.0†	0.0	10	200m	-40	85	K203	Δ001AB	COS/MOS Quad True/Complement Buffer.
10	CD4041AK	20		MON	10	0.0†	0.0	10	200m	-55	125	K203	Δ004AF	COS/MOS Quad True/Complement Buffer.
11#	HBC4041AD	20		MOS	10	0.0†	0.0	10	20u%	-55	125	K203	Δ001AD	CMS Quad True/Complement Buffer.
12#	HBC4041AF	20		MOS	10	0.0†	0.0	10	20u%	-55	125	K203	Δ001AD	CMS Quad True/Complement Buffer.
13#	HBC4041AK	20		MOS	10	0.0†	0.0	10	20u%	-55	125	K203	Δ004AF	CMS Quad True/Complement Buffer.
14#	HBF4041AE	20		MOS	10	0.0†	0.0	10	200u%	-40	85	K203	Δ001AB	CMS Quad True/Complement Buffer.
15#	HBF4041AF	20		MOS	10	0.0†	0.0	10	200u%	-40	85	K203	Δ001AD	CMS Quad True/Complement Buffer.
16▼	9634DC	21		MON	§		0.0	5.0	300m	0	70	K2174	M200j	Dual Diff Line Driver.
17▼	9634DM	21		MON	§		0.0	5.0	300m	-55	125	K2174	M200j	Dual Diff Line Driver.
18▼	9634FM	21		MON	§		0.0	5.0	300m	-55	125	K2174	FP93c	Dual Diff Line Driver.
19▼	9634PC	21		MON	§		0.0	5.0	300m	0	70	K2174	M532	Dual Diff Line Driver.
20▼	9636RC	21		MON			12	12	150m	0	70	K2172	M531	Dual Single Ended Line Driver.
21▼	9636RM	21		MON			12	12	150m	-55	125	K2172	M531	Dual Single Ended Line Driver.
22▼	9636TC	21		MON			12	12	150m	0	70	K2172	M530	Dual Single Ended Line Driver
23▼	9638RC	21		MON			0.0	5.0	150m	0	70	K2173	M531	Dual High Speed Diff Line Driver.
24▼	9638RM	21		MON			0.0	5.0	150m	-55	125	K2173	M531	Dual High Speed Diff Line Driver.
25▼	9638TC	21		MON			0.0	5.0	150m	0	70	K2173	M530	Dual High Speed Diff Line Driver.
26	ECDX-H1	21		3DM			15	15	2.1 §	-55	85	K2135	M332	14 Bit Diff.Transmitter;Vi90Vrms at 400Hz.
27	ECDX-H3	21		3DM			15	15	2.1 §	0	70	K2135	M332	14 Bit Diff.Transmitter;Vi90Vrms at 400Hz.
28	ECDX-L1	21		3DM			15	15	2.1 §	-55	85	K2135	M332	14 Bit Diff.Transmitter;Vi11.8Vrms at400Hz
29	ECDX-L3	21		3DM			15	15	2.1 §	0	70	K2135	M332	14 Bit Diff.Transmitter;Vi11.8Vrms at400Hz
30	N8T34A	21		MON	§		0.0	5.0		0	75	K2160		Quad Bus Transceiver (TRCVR).
31	S8T34A	21		MON	§		0.0	5.0		-55	125	K2160		Quad Bus Transceiver (TRCVR).
32▼	STX2603	21	1.7kΔØ	PCB			0.0	5.0				K2169	CB☑	Translates Parallel to Asynchron Ser ASCII
33♦	MES4A	21	1.0M	PCM			0.0	0.0				K15337		Line Driver;Receiver;Level Converter.
34▼	MC10523F	21		MON	-.93%	-1.6*†	5.2	0.0	310m	-55	125	K2167	FP85	Triple 4-3-3 Input Bus Driver;ECT.
35	MC10194L#1	21		MON	-.96%	-1.6*†	5.2	0.0	405m	-30	85	K2159	M200w	Dual Simult Bus Transceiver;Driver.
36	MC10123L	21		MON	-.96%	-2.0*†	5.2	0.0	310m†	-30	85	K2133	M191	Triple 4-3-3 Input Bus Driver.
37	MC10123P	21		MON	-.96%	-2.0*†	5.2	0.0	310m†	-30	85	K2133	M278	Triple 4-3-3 Input Bus Driver.
38	SN10112J	21		MON	-.98%	-1.6*	5.2	0.0	171m†	0	85	K2162	M153d	Dual;tpd 3.5ns.
39	SN10112N	21		MON	-.98%	-1.6*	5.2	0.0	171m†	0	85	K2162	M117x	Dual;tpd 3.5ns.
40	SN10123J	21		ECT	-.98%	-1.6*	5.2	0.0	75m†	0	85	K2133	M153d	Triple Nor Bus Driver.
41	SN10123N	21		ECT	-.98%	-1.6*	5.2	0.0	75m†	0	85	K2133	M117x	Triple Nor Bus Driver.
42	ITT9614-1	21		MON	1.5	1.3	0.0	5.0	243m§	-55	125	K2153		Dual Differential;tpd 20ns max.
43	ITT9614-5	21		MON	1.5	1.3	0.0	5.0	243m§	0	75	K2153		Dual Differential;tpd 30ns max.
44	9614FM	21		MON	1.7%	.90*	0.0	5.0	328m%	-55	125	K2145	FP79b	Line Driver;Io 200mA max;tpd 20ns max.
45	AM2614DM	21		MON	1.7%	.90*	0.0	5.0	328m%	-55	125	K2144	M224c	Line Driver;Io 200mA max;tpd 20ns max.
46	AM2614FM	21		MON	1.7%	.90*	0.0	5.0	328m%	-55	125	K2144	FP79b	Line Driver;Io 200mA max;tpd 20ns max.
47	TG160F	21		MON	1.7%	1.1*	0.0	5.0	54m†	-55	125	K2139	TO86	2 Inp Bus Driver;tpd 70ns max.
48	TG160J	21		MON	1.7%	1.1*	0.0	5.0	54m†	-55	125	K2139	M157c	2 Inp Bus Driver;tpd 70ns max.
49	TG161F	21		MON	1.7%	1.1*	0.0	5.0	54m†	-55	125	K2139	TO86	2 Inp Bus Driver;tpd 70ns max.
50	TG161J	21		MON	1.7%	1.1*	0.0	5.0	54m†	-55	125	K2139	M157c	2 Inp Bus Driver;tpd 70ns max.
51	9621FC	21		MON	1.7	1.5	0.0	12	100m†	0	75	K2118	FP28c	Dual;tpd 200ns max.
52	RC9621D	21		MON	1.7	1.5	0.0	5.0	154m§	0	70	K2118	M312	Dual Line Driver;tpd 200ns max.
53	RM9621D	21		MON	1.7	1.5	0.0	5.0	154m§	-55	125	K2118	M312	Dual Line Driver;tpd 150ns max.
54	RM9621J	21		MON	1.7	1.5	0.0	5.0	154m§	0	70	K2118	FP28f	Dual Line Driver;tpd 200ns max.
55	MC75113L	21		MON	1.78	1.08	0.0	5.0	1.0	0	75	K2129	TO116	Differential Party-Line Driver.
56	9614DC	21		MON	1.8%	.85*	0.0	5.0	350m%	0	75	K2145	M224c	Line Driver;Io 200mA max;tpd 30ns max.
57	9614PC	21		MON	1.8%	.85*	0.0	5.0	350m%	0	75	K2145	M357	Line Driver;Io 200mA max;tpd 30ns max.
58	AM2614DC	21		MON	1.8%	.85*	0.0	5.0	350m%	0	75	K2144	M224c	Line Driver;Io 200mA max;tpd 30ns max.
59	AM2614PC	21		MON	1.8%	.85*	0.0	5.0	350m%	0	75	K2144	M357	Line Driver;Io 200mA max;tpd 30ns max.
60	TG162F	21		MON	1.8%	1.1*	0.0	5.0	54m†	0	70	K2139	TO86	2 Inp Bus Driver;tpd 70ns max.
61	TG162J	21		MON	1.8%	1.1*	0.0	5.0	54m†	0	70	K2139	M157c	2 Inp Bus Driver;tpd 70ns max.
62	TG163F	21		MON	1.8%	1.1*	0.0	5.0	54m†	0	70	K2139	TO86	2 Inp Bus Driver;tpd 70ns max.
63	TG163J	21		MON	1.8%	1.1*	0.0	5.0	54m†	0	70	K2139	M157c	2 Inp Bus Driver;tpd 70ns max.
64	SN75188J	21		MON	1.9%	.80*	9.0	9.0	333m	0	70	K2151	M157b	Quad;tpd 375ns max.
65	SN75188N	21		MON	1.9%	.80*	9.0	9.0	333m	0	70	K2151	M126e	Quad;tpd 375ns max.
66	5550	21		PCB	2.0%	.45*	0.0	5.0	750m†	0	70		CB62	Diff Line Driver;tpd 18ns max.
67▼	6605CJ	21		MON	2.0%	.80*	0.0	5.0	320m§	0	85	K2168	M319	TTL Quad Bus Driver/Receiver;tpd 35ns.
68▼	6605CL	21		MON	2.0%	.80*	0.0	5.0	320m§	0	85	K2168	M200j	TTL Quad Bus Driver/Receiver;tpd 35ns.
69▼	9612ERC	21		MON	2.0%	.80*	0.0	5.0	350m§	0	75	K2170	M531	Dual Diff Line Driver;tpd 30ns max.
70▼	9612ERM	21		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K2170	M531	Dual Diff Line Driver;tpd 20ns max.
71▼	9612ETC	21		MON	2.0%	.80*	0.0	5.0	350m§	0	75	K2170	M530	Dual Diff Line Driver;tpd 20ns max.
72▼	9612RC	21		MON	2.0%	.80*	0.0	5.0	350m§	0	75	K2170	M531	Dual Diff Line Driver;tpd 30ns max.
73▼	9612RM	21		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K2170	M531	Dual Diff Line Driver;tpd 30ns max.
74▼	9612TC	21		MON	2.0%	.80*	0.0	5.0	350m§	0	75	K2170	M530	Dual Diff Line Driver;tpd 20ns max.
75♦	9614DM	21		MON	2.0%	.80*	0.0	5.0	325m§	-55	125	K2171	M200j	
76	9616CDC	21		MON	2.0*	.80%	12	12	630m	0	75	K2123	TO116	tpd 320ns,Slew Rate 15V/us typ.
77♦	9616DC	21		MON	2.0%	.80*	12	12	360m§	0	75	K2133	M200j	Triple Line Driver;tpd 320ns.
78♦	9616DM	21		MON	2.0%	.80*	12	12	360m§	-55	125	K2133	M200j	Triple Line Driver;tpd 320ns.
79♦	9616EDC	21		MON	2.0%	.80*	12	12	360m§	0	75	K2133	M200j	Triple Line Driver;tpd 320ns.
80▼	9616EPC	21		MON	2.0%	.80*	12	12	360m§	0	75	K2133	M126w	Triple Line Driver;tpd 320ns.
81▼	9616FM	21		MON	2.0%	.80*	12	12	360m§	-55	125	K2133	FP52	Triple Line Driver;tpd 320ns.
82▼	9616PC	21		MON	2.0%	.80*	12	12	360m§	0	75	K2133	M126w	Triple Line Driver;tpd 320ns.
83	AM26S12ADC#1	21		MON	2.0%	.80*	0.0	5.0	350m%	0	75	K2142	M356	Schottky Quad Bus Transceiver;tpd 26ns max
84	AM26S12ADM#1	21		MON	2.0%	.80*	0.0	5.0	350m%	-55	125	K2142	M224c	Schottky Quad Bus Transceiver;tpd 26ns max
85	AM26S12AFM#1	21		MON	2.0%	.80*	0.0	5.0	350m%	-55	125	K2142	FP79b	Schottky Quad Bus Transceiver;tpd 26ns max
86	AM26S12APC#1	21		MON	2.0%	.80*	0.0	5.0	350m%	0	75	K2142	M357	Schottky Quad Bus Transceiver;tpd 26ns max
87	AM26S12DC#1	21		MON	2.0%	.80*	0.0	5.0	350m%	0	75	K2142	M356	Schottky Quad Bus Transceiver;tpd 26ns max
88	AM26S12DM#1	21		MON	2.0%	.80*	0.0	5.0	350m%	-55	125	K2142	M224c	Schottky Quad Bus Transceiver;tpd 26ns max
89	AM26S12FM#1	21		MON	2.0%	.80*	0.0	5.0	350m%	-55	125	K2142	FP79b	Schottky Quad Bus Transceiver;tpd 26ns max
90	AM26S12PC#1	21		MON	2.0%	.80*	0.0	5.0	350m%	0	75	K2142	M357	Schottky Quad Bus Transceiver;tpd 26ns max
91	DM7830J	21		MON	2.0%	.80*	0.0	5.0	180m§	-55	125	K2143	M297d	Dual Diff Line Driver;tpd 18ns max.
92	DM7830W	21		MON	2.0%	.80*	0.0	5.0	180m§	-55	125	K2143	FP106	Dual Diff Line Driver;tpd 18ns max.
93	DM7831J	21		MON	2.0%	.80*	0.0	5.0	450m§	-55	125	K2137	M200k	Line Driver;tpd 27ns max;Vi 5.5V.
94	DM7831W	21		MON	2.0%	.80*	0.0	5.0	450m§	-55	125	K2137	FP98	Line Driver;tpd 27ns max;Vi 5.5V.
95	DM7832J	21		MON	2.0%	.80*	0.0	5.0	450m§	-55	125	K2137	M200k	Line Driver;tpd 27ns max;Vi 5.5V.
96	DM7832W	21		MON	2.0%	.80*	0.0	5.0	450m§	-55	125	K2137	FP98	Line Driver;tpd 27ns max;Vi 5.5V.
97	DM7838J#1	21		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K2138	M200k	Quad Unified Bus Transceiver;tpd 30ns max.
98	DM7838W#1	21		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K2138	FP98	Quad Unified Bus Transceiver;tpd 30ns max.
99	DM8830J	21		MON	2.0%	.80*	0.0	5.0	180m§	0	70	K2143	M105aw	Dual Diff Line Driver;tpd 18ns max.
100	DM8830N	21		MON	2.0%	.80*	0.0	5.0	180m§	0	70	K2143	M344a	Dual Diff Line Driver;tpd 18ns max.
101	DM8830W	21		MON	2.0%	.80*	0.0	5.0	180m§	0	70	K15161	FP97	Dual Diff Line Driver;tpd 18ns max.
102	DM8831J	21		MON	2.0%	.80*	0.0	5.0	450m§	0	70	K2137	M200k	Line Driver;tpd 27ns max;Vi 5.5V.
103	DM8831N	21		MON	2.0%	.80*	0.0	5.0	450m§	0	70	K2137	M345	Line Driver;tpd 27ns max;Vi 5.5V.
104	DM8831W	21		MON	2.0%	.80*	0.0	5.0	450m§	0	70	K2137	FP98	Line Driver;tpd 27ns max;Vi 5.5V.
105	DM8832J	21		MON	2.0%	.80*	0.0	5.0	450m§	0	70	K2137	M200k	Line Driver;tpd 27ns max;Vi 5.5V.
106	DM8832N	21		MON	2.0%	.80*	0.0	5.0	450m§	0	70	K2137	M345	Line Driver;tpd 27ns max;Vi 5.5V.
107	DM8832W	21		MON	2.0%	.80*	0.0	5.0	450m§	0	70	K2137	FP98	Line Driver;tpd 27ns max;Vi 5.5V.
108	DM8838J#1	21		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2138	M200k	Quad Unified Bus Transceiver;tpd 30ns max.
109	DM8838N#1	21		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2138	M345	Quad Unified Bus Transceiver;tpd 30ns max.
110	DM8838W#1	21		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2138	FP98	Quad Unified Bus Transceiver;tpd 30ns max.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	DS1688J	21		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K2176	M200k	Quad;Tri-State Diff Line Driver.
2▼	DS3688J	21		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2176	M200k	Quad;Tri-State Diff Line Driver.
3▼	DS3688N	21		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2176	M345	Quad;Tri-State Diff Line Driver.
4▼	DS7830J	21		MON	2.0%	.80*	0.0	5.0	90m	-55	125	K2175	M257c	Dual Differential 4-Input Driver.
5▼	DS7830W	21		MON	2.0%	.80*	0.0	5.0	90m	-55	125	K2175	FP97c	Dual Differential 4-Input Driver.
6▼	DS7831J	21		MON	2.0%	.80*	0.0	5.0	450m	-55	125	K2137	M200k	Tri-State;tpd 25ns max.
7▼	DS7831W	21		MON	2.0%	.80*	0.0	5.0	450m	-55	125	K2137	FP98b	Tri-State;tpd 25ns max.
8▼	DS7832J	21		MON	2.0%	.80*	0.0	5.0	450m	-55	125	K2137	M200k	Tri-State;tpd 25ns max.
9▼	DS7832W	21		MON	2.0%	.80*	0.0	5.0	450m	-55	125	K2137	FP98b	Tri-State;tpd 25ns max.
10▼	DS8830J	21		MON	2.0%	.80*	0.0	5.0	90m	0	70	K2175	M257c	Dual Differential 4-Input Driver.
11▼	DS8830N	21		MON	2.0%	.80*	0.0	5.0	90m	0	70	K2175	M344	Dual Differential 4-Input Driver.
12▼	DS8830W	21		MON	2.0%	.80*	0.0	5.0	90m	0	70	K2175	FP97c	Dual Differential 4-Input Driver.
13▼	DS8831J	21		MON	2.0%	.80*	0.0	5.0	450m	0	70	K2137	M200k	Tri-State;tpd 25ns max.
14▼	DS8831N	21		MON	2.0%	.80*	0.0	5.0	450m	0	70	K2137	M345	Tri-State;tpd 25ns max.
15▼	DS8832J	21		MON	2.0%	.80*	0.0	5.0	450m	0	70	K2137	M200k	Tri-State;tpd 25ns max.
16▼	DS8832N	21		MON	2.0%	.80*	0.0	5.0	450m	0	70	K2137	M345	Tri-State;tpd 25ns max.
17▼	DS55121J	21		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K2115	M200k	Dual;tpd 50ns max.
18▼	DS55121W	21		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K2115	FP98b	Dual;tpd 50ns max.
19▼	DS75121J	21		MON	2.0%	.80*	0.0	5.0	600m	0	75	K2115	M200k	Dual;tpd 50ns max.
20▼	DS75121N	21		MON	2.0%	.80*	0.0	5.0	600m	0	75	K2115	M345	Dual;tpd 50ns max.
21▼	DS75123J	21		MON	2.0%	.80*	0.0	5.0	600m		75	K2115	M200k	Dual;tpd 35ns max.
22▼	DS75123N	21		MON	2.0%	.80*	0.0	5.0	600m		75	K2115	M345	Dual;tpd 35ns max.
23▼	DS75150J	21		MON	2.0%	.80*	13.2	13.2	475m	0	70	K2149	M344	Dual;tpd 60ns typ.
24▼	DS75150N	21		MON	2.0%	.80*	13.2	13.2	475m	0	70	K2149	M239a	Dual;tpd 60ns typ.
25	ITT55138	21		MON	2.0%	.80*	0.0	5.0	325m§	-55	125	K2242		Quad Bus Transceivers;tpd 32ns max.
26	ITT75138	21		MON	2.0%	.80*	0.0	5.0	325m§	0	70	K2242		Quad Bus Transceivers;tpd 32ns max.
27▼	JANM38510/10403BEA	21		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2153	M323	Dual Diff Line Driver;tpd 32ns max.
28	JANM38510/10403BEB	21		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2153	M323	Dual Diff.Line Driver;tpd 32ns max.
29▼	JANM38510/10403BEC	21		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2153	M323	Dual Diff Line Driver;tpd 32ns max.
30▼	JANM38510/10403CEA	21		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2153	M323	Dual Diff Line Driver;tpd 32ns max.
31	JANM38510/10403CEB	21		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2153	M323	Dual Diff.Line Driver;tpd 32ns max.
32▼	JANM38510/10403CEC	21		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2153	M323	Dual Diff Line Driver;tpd 32ns max.
33▼	JANM38510/10405BEB	21		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2166	M323	Dual Diff Line Driver;tpd 40ns max.
34▼	JANM38510/10405CEB	21		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2166	M323	Dual Diff Line Driver;tpd 40ns max.
35#	M54501Y	21		MON	2.0%	.80*	0.0	7.0	3.3 †	0	75	K2119	CN74	Dual Current Driver
36#	M54502P	21		MON	2.0%	.80*	0.0	7.0	800mt	0	75	K2111	M105j	Dual AND Gate with Drive Transistor.
37#	M54503P	21		MON	2.0%	.80*	0.0	7.0	800mt	0	75	K2120	M105j	Quadruple Current Driver
38#	M54504P	21		MON	2.0%	.80*	0.0	7.0	800mt	0	75	K2121	M105j	Dual NAND Gate with Drive Transistor.
39#	M54650P	21		MON	2.0%	.80*	12	12	422m%	0	75	G0414	M105j	Transition Time 2.0us max;tpd 60ns max.
40	MC8T13L	21		MON	2.0%	.80*	0.0	7.0	1.0	0	75			Dual;tpd 50ns.
41	MC8T13P	21		MON	2.0%	.80*	0.0	7.0	1.0	0	75			Dual;tpd 50ns.
42	MC8T23L	21		MON	2.0%	.80*	0.0	7.0	1.0	0	75			Dual;tpd 35ns.
43	MC8T23P	21		MON	2.0%	.80*	0.0	7.0	1.0	0	75			Dual;tpd 35ns.
44	MC3438L#1	21		MON	2.0%	.80*	0.0	5.0	625m	0	70	K2138	M200w	Quad Bus Transceiver;Driver.
45	MC3438P#1	21		MON	2.0%	.80*	0.0	5.0	625m	0	70	K2138	M117y	Quad Bus Transceiver;Driver.
46	MC3453L	21		MON	2.0%	.80*	5.0	5.0	1.0	0	70	K2141	M191	Quad;w/Common Inhibit Input.
47	MC3453P	21		MON	2.0%	.80*	5.0	5.0	1.0	0	70	K2141	M278	Quad;w/Common Inhibit Input.
48	MC3459L,P%	21		MON	2.0%	.80*	5.0	5.0	830m	0	70	K2154	TO116	Quad NMOS Address.
49	MC75109L,P%	21		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2128	TO116	Dual Line Drivers;tpd 25ns max.
50	MC75110L,P%	21		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2128	TO116	Dual Line Drivers;tpd 25ns mx.
51	RC75109D	21		MON	2.0%	.80*	5.0	5.0	300m§	0	70	K2212	M313	Dual Line Driver;tpd 25ns max.
52	RC75109DP	21		MON	2.0%	.80*	5.0	5.0	300m§	0	70	K2212	M312	Dual Line Driver;tpd 25ns max.
53	RC75110D	21		MON	2.0%	.80*	5.0	5.0	425m§	0	70	K2212	M313	Dual Line Driver;tpd 25ns max.
54	RC75110DP	21		MON	2.0%	.80*	5.0	5.0	425m§	0	70	K2212	M312	Dual Line Driver;tpd 25ns max.
55	RM55109D	21		MON	2.0%	.80*	5.0	5.0	300m§	-55	125	K2212	M313	Dual Line Driver;tpd 25ns max.
56	RM55110D	21		MON	2.0%	.80*	5.0	5.0	425m§	-55	125	K2212	M313	Dual Line Driver;tpd 25ns max.
57▼	SN54S240J	21		MON	2.0%	.80*	0.0	5.0	725m	-55	125	K2178		Octal Buffers/Line Drivers.
58▼	SN54S241J	21		MON	2.0%	.80*	0.0	5.0	725m	-55	125	K2179		Octal Buffers/Line Drivers.
59▼	SN55112J	21		MON	2.0%	.80*	5.0	5.0	450m	-55	125	K2112	TO116	Dual Driver High Current.
60▼	SN55112W	21		MON	2.0%	.80*	5.0	5.0	450m	-55	125	K2112	FP52	Dual Driver High Current.
61	SN55113J	21		MON	2.0%	.80*	0.0	5.0	325m%	-55	125	K2146	M153d	Dual Differential w/3-State Outputs.
62	SN55113SB	21		MON	2.0%	.80*	0.0	5.0	325m%	-55	125	K2146	FP98a	Dual Differential w/3-State Outputs.
63	SN55114J	21		MON	2.0%	.80*	0.0	5.0	235m%	-55	125	K2147	M153d	Dual Differential;tpd 20ns max.
64	SN55114SB	21		MON	2.0%	.80*	0.0	5.0	235m%	-55	125	K2147	FP98a	Dual Differential;tpd 20ns max.
65	SN55121J	21		MON	2.0%	.80*	0.0	5.0	300m%	-55	125	K2148	M153d	Dual;tpd 50ns max.
66▼	SN55121W	21		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K2148	FP93c	Dual;tpd 50ns max.
67	SN55183J	21		MON	2.0%	.80*	0.0	5.0	50m%	-55	125	K2150	M157b	Dual Differential;tpd 18ns max.
68	SN75112J	21		MON	2.0%	.80*	5.0	5.0	450mt	0	70	K2112	M157b	Dual;tpd 12ns typ.
69	SN75112N	21		MON	2.0%	.80*	5.0	5.0	450mt	0	70	K2112	M126e	Dual;tpd 12ns typ.
70	SN75113J	21		MON	2.0%	.80*	0.0	5.0	325m%	0	70	K2146	M153d	Dual Differential w/3-State Outputs.
71	SN75113N	21		MON	2.0%	.80*	0.0	5.0	325m%	0	70	K2146	M117x	Dual Differential w/3-State Outputs.
72	SN75113SB	21		MON	2.0%	.80*	0.0	5.0	325m%	0	70	K2146	FP98a	Dual Differential w/3-State Outputs.
73	SN75114J	21		MON	2.0%	.80*	0.0	5.0	235m%	0	70	K2147	M153d	Dual Differential;tpd 30ns max.
74	SN75114N	21		MON	2.0%	.80*	0.0	5.0	235m%	0	70	K2147	M117x	Dual Differential;tpd 30ns max.
75	SN75114SB	21		MON	2.0%	.80*	0.0	5.0	235m%	0	70	K2147	FP98a	Dual Differential;tpd 30ns max.
76	SN75121J	21		MON	2.0%	.80*	0.0	5.0	300m%	-55	125	K2148	M153d	Dual;tpd 50ns max.
77	SN75121N	21		MON	2.0%	.80*	0.0	5.0	300m%	-55	125	K2148	M117x	Dual;tpd 50ns max.
78	SN75123J	21		MON	2.0%	.80*	0.0	5.0	800m	0	75	K2148	M153d	Dual;tpd 35ns max.
79	SN75123N	21		MON	2.0%	.80*	0.0	5.0	800m	0	75	K2148	M117x	Dual;tpd 35ns max.
80	SN75150J	21		MON	2.0%	.80*	12	12	180m%	0	70	K2149	M157b	Dual;tpd 60ns typ.
81▼	SN75150JP	21		MON	2.0%	.80*	12	12	180m%	0	70	K2149	M531	Dual;tpd 60ns.
82	SN75150N	21		MON	2.0%	.80*	12	12	180m%	0	70	K2149	M126e	Dual;tpd 60ns typ.
83	SN75150P	21		MON	2.0%	.80*	12	12	180m%	0	70	K2149	M226	Dual;tpd 60ns typ.
84	SN75183J	21		MON	2.0%	.80*	0.0	5.0	50m%	0	70	K2150	M157b	Dual Differential;tpd 18ns max.
85	SN75183N	21		MON	2.0%	.80*	0.0	5.0	50m%	0	70	K2150	M126e	Dual Differential;tpd 18ns max.
86#	SP721BE	21			2.0%	.80*	5.0	5.0	260m	0	70	K0542	M54b	TTL to Balanced Line Driver.
87#	SP721BF	21			2.0%	.80*	5.0	5.0	260m	0	70	K0542	FP2	TTL to Balanced Line Driver.
88#	SP721BT	21			2.0%	.80*	5.0	5.0	260m	0	70	K0542	CN58a	TTL to Balanced Line Driver.
89#	T175D1	21		MON	2.0%	.80*	0.0	5.0	250m§	0	75	K2156	M200m	Dual Line Driver;tpd 20ns max.
90#	T75109B1	21		MON	2.0%	.80*	5.0	5.0	300m§	0	70	K2212	M126s	Dual Line Driver;tpd 25ns max.
91#	T75109D1	21		MON	2.0%	.80*	5.0	5.0	300m§	0	70	K2212	M294d	Dual Line Driver;tpd 25ns max.
92#	T75109D2	21		MON	2.0%	.80*	5.0	5.0	300m§	-55	125	K2212	M294d	Dual Line Driver;tpd 25ns max.
93#	T75110B1	21		MON	2.0%	.80*	5.0	5.0	500m§	0	70	K2212	M126s	Dual Line Driver;tpd 25ns max.
94#	T75110D1	21		MON	2.0%	.80*	5.0	5.0	500m§	0	70	K2212	M294d	Dual Line Driver;tpd 25ns max.
95#	T75110D2	21		MON	2.0%	.80*	5.0	5.0	500m§	-55	125	K2212	M294d	Dual Line Driver;tpd 25ns max.
96	TG350F	21		MON	2.0%	.80*	0.0	5.0	92mt	-55	125	K219	TO86	Lamp/Line Driver;tpd 50ns max.
97	TG350J	21		MON	2.0%	.80*	0.0	5.0	92mt	-55	125	K219	M117c	Lamp/Line Driver;tpd 50ns max.
98	TG351F	21		MON	2.0%	.80*	0.0	5.0	92mt	-55	125	K219	TO86	Lamp/Line Driver;tpd 50ns max.
99	TG351J	21		MON	2.0%	.80*	0.0	5.0	92mt	-55	125	K219	M117c	Lamp/Line Driver;tpd 50ns max.
100	TG352F	21		MON	2.0%	.80*	0.0	5.0	92mt	0	70	K219	TO86	Lamp/Line Driver;tpd 50ns max.
101	TG352J	21		MON	2.0%	.80*	0.0	5.0	92mt	0	70	K219	M117c	Lamp/Line Driver;tpd 50ns max.
102	TG353F	21		MON	2.0%	.80*	0.0	5.0	92mt	0	70	K219	TO86	Lamp/Line Driver;tpd 50ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	TG353J	21		MON	2.0%	.80*	0.0	5.0	92m†	0	70	K219	M117c	Lamp/Line Driver;tpd 50ns max.
2	N8T26B	21		MOS	2.0*§	.85%	0.0	5.0	457m†	0	75	K2132	M317	Quad Bus Transceiver.
3	N8T26F	21		MOS	2.0*§	.85%	0.0	5.0	457m†	0	75	K2132	M200v	Quad Bus Transceiver.
4#	ZN1004E	21		MON	2.0%	.90*	12	7.0	700m	0	70	K2163	TO116	MSI Line Driver;tpd 21ns max.
5	9621DC	21		MON	2.0%	1.0*	0.0	5.0	154m%	0	75	K2118	M297d	Dual Line Driver;tpd 200ns max.
6	9621DM	21		MON	2.0%	1.0*	0.0	5.0	154m%	-55	125	K2118	M297d	Dual Line Driver;tpd 150ns max.
7	9621FM	21		MON	2.0%	1.0*	0.0	5.0	154m%	-55	125	K2118	FP106	Dual Line Driver;tpd 150ns max.
8	9621PC	21		MON	2.0%	1.0*	0.0	5.0	154m%	0	75	K2118	M344a	Dual Line Driver;tpd 200ns max.
9	N8T13B	21		MON	2.4%	†	0.0	5.0	315m†	0	75	K2115	M317	Dual;ton and toff 20ns max.
10	N8T13F	21		MON	2.4%	†	0.0	5.0	315m†	0	75	K2115	M200v	Dual;ton and toff 20ns max.
11	N8T13W	21		MON	2.4%	†	0.0	5.0	315m†	0	75	K2115	FP47g	Dual;ton and toff 20ns max.
12	S8T13B	21		MON	2.4%	†	0.0	5.0	315m†	-55	125	K2115	M317	Dual;ton and toff 20ns max.
13	S8T13F	21		MON	2.4%	†	0.0	5.0	315m†	-55	125	K2115	M200v	Dual;ton and toff 20ns max.
14	S8T13W	21		MON	2.4%	†	0.0	5.0	315m†	-55	125	K2115	FP47g	Dual;ton and toff 20ns max.
15▼	DS55109J	21		MON	2.4%	.40*	0.0	5.0	600m	-55	125	K2212	M257c	Dual;tpd 25ns max.
16▼	DS55110J	21		MON	2.4%	.40*	0.0	5.0	600m	-55	125	K2212	M257c	Dual;tpd 25ns max.
17▼	DS75109J	21		MON	2.4%	.40*	0.0	5.0	600m	0	70	K2212	M257c	Dual;tpd 25ns max.
18▼	DS75109N	21		MON	2.4%	.40*	0.0	5.0	600m	0	70	K2212	M344	Dual;tpd 25ns max.
19▼	DS75110J	21		MON	2.4%	.40*	0.0	5.0	600m	0	70	K2212	M257c	Dual;tpd 25ns max.
20▼	DS75110N	21		MON	2.4%	.40*	0.0	5.0	600m	0	70	K2212	M344	Dual;tpd 25ns max.
21	N8T09A	21		MON	2.4%	.40†*	0.0	5.0	340m	0	75	K2117	TO116	Quad Buss Driver;FO 25;tpd 10ns max.
22	N8T09F	21		MON	2.4%	.40†*	0.0	5.0	340m	0	75	K2117	M157	Quad Buss Driver;FO 25;tpD 10ns max.
23	N8T09W	21		MON	2.4%§	.40*†	0.0	5.0	340m†	0	75	K2117	FP39e	Quad Buss Driver;FO 25;tpd 10ns max.
24	S8T09A	21		MON	2.4%	.40†*	0.0	5.0	340m	-55	125	K2117	TO116	Quad Buss Driver;FO 25;tpd 10ns max.
25	S8T09F	21		MON	2.4%	.40†*	0.0	5.0	340m	-55	125	K2117	M157	Quad Buss Driver;FO 25;tpd 10ns max.
26	S8T09W	21		MON	2.4%§	.40*†	0.0	5.0	340m†	-55	125	K2117	FP39e	Quad Buss Driver;FO 25;tpd 10ns max.
27	STX1003	21		3DM	2.4%	.40*	15	15	2.2 †	0	70		M378	Serial Transmitter;Up to 8BCB.
28	DM7830D	21	10M	MON	2.4%	.40*	0.0	5.0	100mΔ	-55	125	K15161	M75f	Line Driver.
29	MC419F	21		MON	2.4%	.45*†	0.0	5.0	54m	0	75	K213	TO86	Buss Driver;Vo 400mV;Io 250uA;Tpd 20ns.
30	MC419L,P%	21		MON	2.4%	.45*†	0.0	5.0	54m	0	75	K213	TO116	Buss Driver;Vo 400mV;Io 250uA;Tpd 20ns.
31	MC469F	21		MON	2.4%	.45*†	0.0	5.0	54m	0	75	K213	TO86	Buss Driver;Vo 400mV;Io 250uA;Tpd 20ns.
32	MC469L,P%	21		MON	2.4%	.45*†	0.0	5.0	54m	0	75	K213	TO116	Buss Driver;Vo 400mV;Io 250uA;Tpd 20ns.
33	MC519F	21		MON	2.4%	.45*†	0.0	5.0	54m	-55	125	K213	TO86	Buss Driver;Vo 400mV;Io 250uA;Tpd 20ns.
34	MC519L	21		MON	2.4%	.45*†	0.0	5.0	54m	-55	125	K213	TO116	Buss Driver;Vo 400mV;Io 250uA;Tpd 20ns.
35	MC569F	21		MON	2.4%	.45*†	0.0	5.0	54m	-55	125	K213	TO86	Buss Driver;Vo 400mV;Io 250uA;Tpd 20ns.
36	MC569L	21		MON	2.4%	.45*†	0.0	5.0	54m	-55	125	K213	TO116	Buss Driver;Vo 400mV;Io 250uA;Tpd 20ns.
37	N8T38B	21		MON	2.4	.70*†	0.0	5.0	315m†	0	75	K2138	M317	Quad Bus Transceiver(Open Collector).
38	N8T38F	21		MON	2.4	.70*†	0.0	5.0	315m†	0	75	K2138	M200v	Quad Bus Transceiver(Open Collector).
39	S8T38B	21		MON	2.4	.70*†	0.0	5.0	315m†	-55	125	K2138	M317	Quad Bus Transceiver(Open Collector).
40	S8T38F	21		MON	2.4%	.70*†	0.0	5.0	315m†	-55	125	K2138	M200v	Quad Bus Transceiver(Open Collector).
41	HD1S245	21		MON	2.5%	.45*†	0.0	5.0	3.0m%	-55	125	K212a	M75k	3 ckts;tpd 14ns.
42	HD1S545	21		MON	2.5%	.45*†	0.0	5.0	3.0m%	0	75	K212a	M75k	3 ckts;tpd 14ns.
43	HD9V245	21		MON	2.5%	.45*†	0.0	5.0	3.0m%	-55	125	K212a	TO86	3 Ckts;tpd 14ns.
44	HD9V545	21		MON	2.5%	.45*†	0.0	5.0	3.0m%	0	75	K212a	TO86	3 ckts;tpd 14ns.
45	MC10128L	21		MON	2.5%	.50*†	5.2	0.0		-30	85	K2131	M191	Bus Driver
46	SN54S226J	21		MON	2.5	.50	0.0	5.0	625m†	-55	125	K2157	M153d	Bus Transceiver w/Storage;tpd 10ns.
47	SN54S226W	21		MON	2.5	.50	0.0	5.0	625m†	-55	125	K2157	Δ004AG	Bus Transceiver w/Storage;tpd 10ns.
48	54R140	21			2.7	.40	0.0	5.0	155m	-55	125			Tpd 8.0ns;FO 30;Fan In 4 Leads.
49	SN74S226J	21		MON	2.7	.50	0.0	5.0	625m†	0	70	K2157	M153d	Bus Transceiver w/Storage;tpd 10ns.
50	SN74S226N	21		MON	2.7	.50	0.0	5.0	625m†	0	70	K2157	M117x	Bus Transceiver w/Storage;tpd 10ns.
51	RC8T13M	21		MON	2.8%	†	0.0	5.0	315m§	0	70	K2115	M495	Dual Line Driver;tpd 20ns max.
52	RC8T13MP	21		MON	2.8%	†	0.0	5.0	315m§	0	70	K2115	M267a	Dual Line Driver;tpd 20ns max.
53	RM8T13L	21		MON	2.8%	†	0.0	5.0	315m§	-55	125	K2115	FP47f	Dual Line Driver;tpd 20ns max.
54	RM8T13M	21		MON	2.8%	†	0.0	5.0	315m§	-55	125	K2115	M495	Dual Line Driver;tpd 20ns max.
55	TNG5512F	21		MON	3.1	.45	0.0	5.0	60m†	0	75	K2152	FP21c	Dual;tpd 14ns typ.
56	TNG5512J	21		MON	3.1	.45	0.0	5.0	60m†	0	75	K2152	TO116	Dual;tpd 14ns typ.
57	TNG5514F	21		MON	3.1	.45	0.0	5.0	60m†	0	75	K2152	FP21c	Dual;tpd 14ns typ.
58	TNG5514J	21		MON	3.1	.45	0.0	5.0	60m†	0	75	K2152	TO116	Dual;tpd 14ns typ.
59	N8T23B	21		MON	3.11%	.15*†	0.0	5.0	315m†	0	75	K2115	M317	Dual Line Driver.
60	N8T23F	21		MON	3.11%	.15*†	0.0	5.0	315m†	0	75	K2115	M200v	Dual Line Driver.
61	N8T23W	21		MON	3.11%	.15*†	0.0	5.0	315m†	0	75	K2115	FP47g	Dual Line Driver.
62	RC8T23M	21		MON	3.11%	.15†*	0.0	5.0	315m§	0	70	K2115	M495	Dual Line Driver;tpd 50ns max.
63	RC8T23MP	21		MON	3.11%	.15†*	0.0	5.0	315m§	0	70	K2115	M267a	Dual Line Driver;tpd 50ns max.
64	RM8T23M	21		MON	3.11%	.15†*	0.0	5.0	315m§	-55	125	K2115	M495	Dual Line Driver;tpd 50ns max.
65	TNG5511F	21		MON	3.2	.45	0.0	5.0	60m†	-55	125	K2152	FP21c	Dual;tpd 14ns typ.
66	TNG5511J	21		MON	3.2	.45	0.0	5.0	60m†	-55	125	K2152	TO116	Dual;tpd 14ns typ.
67	TNG5513F	21		MON	3.2	.45	0.0	5.0	60m†	-55	125	K2152	FP21c	Dual;tpd 14ns typ.
68	TNG5513J	21		MON	3.2	.45	0.0	5.0	60m†	-55	125	K2152	TO116	Dual;tpd 14ns typ.
69	TRWG160#1	21		MON	3.3	.26	0.0	5.0	55m	-55	125		M157	Buss Driver.
70	TRWG160#2	21		MON	3.3	.26	0.0	5.0	55m	-55	125		M126	Buss Driver.
71	TRWG350#1	21		MON	3.3	.26	0.0	5.0	92m	-55	125		M157	Line Driver.
72	TRWG350#2	21		MON	3.3	.26	0.0	5.0	92m	-55	125		M126	Line Driver.
73	TRWG390#1	21		MON	3.3	.26	0.0	5.0		-55	125		M157	Dual 4 Input Line Driver.
74	TRWG390#2	21		MON	3.3	.26	0.0	5.0		-55	125		M126	Dual 4 Input Line Driver.
75	RG160D	21		MON	3.4	.20	0.0	5.0	45m	-55	125	K15191	M105m	Buss Drivers;BVo 8.0V;Io 100uA;ton 20ns.
76	RG160K	21		MON	3.4	.20	0.0	5.0	45m	-55	125	K15191	FP21b	Buss Drivers;BVo 8.0;Io 100uA;ton 20ns.
77	RG161D	21		MON	3.4	.20	0.0	5.0	45m	-55	125	K15191	M105m	Buss Drivers;BVo 8.0;Io 100uA;ton 20ns.
78	RG161K	21		MON	3.4	.20	0.0	5.0	45m	-55	125	K15191	FP21b	Buss Drivers;BVo 8.0;Io 100uA;ton 20ns.
79	RG162D	21		MON	3.4	.20	0.0	5.0	45m	0	75	K15191	M105m	Buss Drivers;BVo 7.0V;Io 100uA;ton 20ns.
80	RG162K	21		MON	3.4	.20	0.0	5.0	45m	0	75	K15191	FP21b	Buss Drivers;BVo 7.0V;Io 100uA;ton 20ns.
81	RG163D	21		MON	3.4	.20	0.0	5.0	45m	0	75	K15191	M105m	Buss Drivers;BVo 7.0V;Io 100uA;ton 20ns.
82	RG163K	21		MON	3.4	.20	0.0	5.0	45m	0	75	K15191	FP21b	Buss Drivers;BVo 7.0V;Io 100uA;ton 20ns.
83	TR1602A#2	21	320k	MOS	3.5%	.80*	12	5.0		0	70	K2248	M454	Asynchronous Receiver/Transmitter.
84	TR1602B#2	21	320k	MOS	3.5%	.80*	12	5.0		0	70	K2248	M454	Asynchronous Receiver/Transmitter.
85	PT1482B	21	640k	MOS	3.5%	.80*	12	5		0	70	K2155	M454	Programmable Syn/Asynchronous Transmitter.
86	S1757#1	21	160kΔ	MOS	4.0%	.50*	12	5.0		0	70	K2116	M268	Univ.Asynchronous Receiver/Transmitter.
87	S1883#1	21		MOS	4.0%	.80*	12	5.0		0	70	K2165	M504	Univ. Asynchronous Receiver Transmitter.
88	N8T30A	21		MON	4.25*	.40†%	0.0	5.0	370m†	0	75	K2161	M318	Dual TTL/DTL to MOS TRCVR/Port Controller.
89	N8T30F	21		MON	4.25*	.40†%	0.0	5.0	370m†	0	75	K2161	M200x	Dual TTL/DTL to MOS TRCVR/Port Controller.
90	S8T30A	21		MON	4.25*	.40%†	0.0	5.0	370m†	-55	125	K2161	M318	Dual TTL/DTL to MOS TRCVR/Port Controller
91	S8T30F	21		MON	4.25*	.40†%	0.0	5.0	370m†	-55	125	K2161	M200x	Dual TTL/DTL to MOS TRCVR/Port Controller.
92	I775	21		PCB	5.0	0.0	0.0	5.0	1.3	0	70		CB☑	High Power Drivers.
93	I414	21	5.0M	PCB	5.0	0.0	4.8	5.2	720m	0	70		CB☑	Differential Line Drivers.
94	AY5-1012	21	480k†		5.3*	12%	0.0	5.0		0	70	K15385	M193	Asynchronous Receiver/Transmitter.
95	MC2065F	21		MON	5.5%	.75*†	0.0	5.0	105m†	0	75	K219	TO86	Quad 2-Input Lamp/Line Driver.
96	MC2065L,P%	21		MON	5.5%	.75*†	0.0	5.0	105m†	0	75	K219	TO116	Quad 2-Input Lamp/Line Driver.
97	MC2165F	21		MON	5.5%	.75*†	0.0	5.0	105m†	-55	125	K219	TO86	Quad 2-Input Lamp/Line Driver.
98	MC2165L	21		MON	5.5%	.75*†	0.0	5.0	105m†	-55	125	K219	TO116	Quad 2-Input Lamp/Line Driver.
99	MC1488L	21		MON	6.0%	-.70†	9.0	9.0	1.0	0	75	K217	TO116	Quad MDTL Line Driver.
100	N8T15A	21			6.0	-6.0†	12	12	580m	0	75	K2114	M105ak	Tr 4.0us max;Tf 4.0us max;Inp V. 5.5V.
101	N8T15F	21		MON	6.0	-6.0†	12	12	275m	0	75	K2114	M157	tr and tf 4.0us max;Vi 5.5V.
102▼	DS1488J	21		MON	6.0%	-6.8†	9.0	9.0	33m	0	75	K217	M257c	Quad;tpd 350ns max;tr 100ns;tf 75ns max.
103	MC1488F	21		MON	6.0%	-6.8†	9.0	9.0	333m†	0	75	K217	M200x	Quad DTL/TTL Line Driver.
104	HD1A1488	21		MON	6.0%	-7.0*†	9.0	9.0	333m§	0	75	K217	TO116	Quad Line Driver;tpd 300ns max.
105▼	XR1488N	21		MON	6.0%	-7.0†	9.0	9.0	1.0	0	75	K2158	M294e	Quad;tr 100ns max;tf 75us max.
106▼	XR1488P	21		MON	6.0%	-7.0†	9.0	9.0	650m	0	75	K2158	M294e	Quad;tr 100ns max;tf 75ns max.
107	ITT1488	21		MON	7.0	-7.0†	9.0	9.0	1.0	0	75	K2158		Quad Line Driver;tpd 350ns max.
108	RC1488D	21		MON	7.0	-7.0†	9.0	9.0	333m§	0	75	K217	M312	Quad;tpd 200ns max;tr 100ns max.
109	SG1488J	21		MON	7.0†	-7.0	9.0	9.0	333m†	0	70	K217	M105ap	Tpd 200nS max;Quad Line Driver.
110▼	CD40107AD	21		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K2177	Δ001AD	Dual 2 Input NAND Buffer/Driver.

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	CD40107AE	21		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K2177	Δ001AB	Dual 2 Input NAND Buffer/Driver.
2▼	CD40107AF	21		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K2177	Δ001AB	Dual 2 Input NAND Buffer/Driver.
3▼	CD40107AK	21		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K2177	Δ004AF	Dual 2 Input NAND Buffer/Driver.
4▼	CD40107AY	21		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K2177	Δ001AB	Dual 2 Input NAND Buffer/Driver.
5	MC2257L	21	640kΔ	MOS	-1.5%	-4.1*	12	0.0	500m	0	75	K2130	M292	Terminal Transmitter.
6	MC2260L	21	640kΔ	MOS	-1.5%	-4.1*	12	5.0		0	75	K2140	M316a	Terminal Transmitter (P-Channel).
7▼	CM1151	21	5.0M%	MON	-5.0%	7.0*†	12	12	800m	0	70		TO116	tr 70ns;tf 25ns;td 20ns.
8	CM4041AD	21		MOS	10	0.0†	0.0	10	200m	-55	125	K203	M105av	Quad True/Complement Buffer;tpd 75ns max.
9	CM4041AE	21		MOS	10	0.0†	0.0	10	200m	-40	85	K203	M105av	Quad True/Complement Buffer;tpd 100ns max.
10	HEPC0900P-RT	21		MON	12.5%	1.5*†	0.0	15	180m†	-30	75	K2122	TO116	FO 30;DTL;tpd 140ns typ.
11	MC696L	21		MON	13%	1.5†*	0.0	15	225m	-30	75	K2134	M191	Dual Interface Element/Receiver.
12	MC696P	21		MON	13%	1.5†*	0.0	15	225m	-30	75	K2134	M278	Dual Interface Element/Receiver.
13▼	CD40107BD	21		MOS	15%	.05*†	0.0	15	200m	-55	125	K2177	Δ001AD	Dual 2-Input NAND Buffer/Driver.
14▼	CD40107BE	21		MOS	15%	.05*†	0.0	15	200m	-55	125	K2177	Δ001AB	Dual 2-Input NAND Buffer/Driver.
15▼	CD40107BF	21		MOS	15%	.05*†	0.0	15	200m	-55	125	K2177	Δ001AB	Dual 2-Input NAND Buffer/Driver.
16▼	CD40107BK	21		MOS	15%	.05*†	0.0	15	200m	-55	125	K2177	Δ004AF	Dual 2-Input NAND Buffer/Driver.
17▼	CD40107BY	21		MOS	15%	.05*†	0.0	15	200m	-55	125	K2177	Δ001AB	Dual 2-Input NAND Buffer/Driver.
18▼	9635DC	22		MON			0.0	5.0	300m	0	70	K2273	M200j	Dual Diff Line Receiver.
19▼	9635DM	22		MON			0.0	5.0	300m	-55	125	K2273	M200j	Dual Diff Line Receiver.
20▼	9635FM	22		MON			0.0	5.0	300m	-55	125	K2273	FP93c	Dual Diff Line Receiver.
21▼	9635PC	22		MON			0.0	5.0	300m	0	70	K2273	M532	Dual Diff Line Receiver.
22▼	9637RC	22		MON			0.0	5.0	150m	0	70	K2274	M531	Dual Diff Line Receiver.
23▼	9637RM	22		MON			0.0	5.0	150m	-55	125	K2274	M531	Dual Diff Line Receiver.
24▼	9637TC	22		MON			0.0	5.0	150m	0	70	K2274	M530	Dual Diff Line Receiver.
25▼	9640DC	22		MON			0.0	5.0	300m	0	70	K2257	M200j	Quad Bus Transceiver.
26▼	9640DM	22		MON			0.0	5.0	300m	-55	125	K2257	M200j	Quad Bus Transceiver.
27▼	9640FM	22		MON			0.0	5.0	300m	-55	125	K2257	FP93c	Quad Bus Transceiver.
28▼	9640PC	22		MON			0.0	5.0	300m	0	70	K2257	M532	Quad Bus Transceiver.
29▼	9641DC	22		MON			0.0	5.0	300m	0	70		M200j	Quad Bus Transceiver.
30▼	9641DM	22		MON			0.0	5.0	300m	-55	125		M200j	Dual Transceiver with Hysteresis.
31▼	9641FM	22		MON			0.0	5.0	300m	-55	125		FP93c	Dual Transceiver with Hysteresis.
32▼	9641PC	22		MON			0.0	5.0	300m	0	70		M532	Dual Transceiver with Hysteresis.
33▼	SRX2605	22	1.7kΔØ	PCB			0.0	5.0				K2269	CB☑	Translates ASCII to Parallel Data.
34▼	DS3652J	22		MON		.40*†	5.0	5.0	1.3	0	70	K2278a	M200k	Quad;TTL;tpd 10ns typ.
35▼	DS3652N	22		MON		.40*†	5.0	5.0	1.3	0	70	K2278a	M345	Quad;TTL;tpd 10ns typ.
36	SN55108AJ	22		MON		.40*†	5.0	5.0	132m†	-55	125	K2254a	M157b	Dual;tpd 25ns max.
37	SN55108BJ	22		MON		.40*†	5.0	5.0	132m†	-55	125	K2254c	M157b	Dual;tpd 25ns max.
38	SN75108AJ	22		MON		.40*†	5.0	5.0	132m†	0	70	K2254a	M157b	Dual;tpd 25ns max.
39	SN75108AN	22		MON		.40*†	5.0	5.0	132m†	0	70	K2254a	M126e	Dual;tpd 25ns max.
40	SN75108BJ	22		MON		.40*†	5.0	5.0	132m†	0	70	K2254c	M157b	Dual;tpd 25ns max.
41	SN75108BN	22		MON		.40*†	5.0	5.0	132m†	0	70	K2254c	M126e	Dual;tpd 25ns max.
42▼	N75S108A	22	35M%	MON		.50*†	5.0	5.0	600m	0	70	K2211	M318	High Speed Dual;tpd 17ns max;Gv 5.0V/mV.
43▼	N75S108F	22	35M%	MON		.50*†	5.0	5.0	600m	0	70	K2211	M257f	High Speed Dual;tpd 17ns max;Gv 5.0V/mV.
44▼	XR1489AN	22		MON	.75%	2.25*	0.0	5.0	1.0	0	75	K2251	M294e	Quad;tr 175ns max;tf 20ns max.
45▼	XR1489AP	22		MON	.75%	2.25*	0.0	5.0	650m	0	75	K2251	M294e	Quad;tr 175ns max;tf 20ns max.
46	MC1065P	22		MON	-.75%	-1.6*	5.2	0.0	300m†	0	75	K2216	M154	Triple Schmitt Trigger/Diff. Amp.
47	MC1066P	22		MON	-.75*	-1.6*	5.2	0.0	300m†	0	75	K2217	TO116	Triple Schmitt Trigger/Diff. Amp.
48	MC1266F	22		MON	-.75%	-1.6*	5.2	0.0	300m†	-55	125	K2217	TO86	Triple Schmitt Trigger/Diff. Amp.
49	MC1266L	22		MON	-.75%	-1.6*	5.2	0.0	300m†	-55	125	K2217	TO116	Triple Schmitt Trigger/Diff. Amp.
50♦#	SP1020	22		MON	-.75	-1.6†	5.2	0.0	115m†	0	75	K2270	M257a	Quad Line Receiver;Fan Out 25.
51♦#	SP1035	22		MON	-.75	-1.6†	5.2	0.0	140m†	0	75	K2271	M257a	Triple Line Receiver;tpd 5.0ns typ.
52♦#	SP1220	22		MON	-.75	-1.6†	5.2	0.0	115m†	-55	125	K2270	M257a	Quad Line Receiver;Fan Out 25.
53#	SP1235	22		MON	-.75	-1.6†	5.2	0.0	140m†	-55	125	K2227	M257a	Triple;tpd 5.0ns typ.
54	MC1020P	22	80M	MON	-.75%	-1.6*	5.2	0.0	115m†	0	75	K15125	TO116	Quad;tpd 4.0ns;Fan Out 25.
55	MC1220F	22	80M	MON	-.75%	-1.6*	5.2	0.0	115m†	-55	125	K15125	TO86	Quad;tpd 4.0ns;Fan Out 25.
56	MC1220L	22	80M	MON	-.75%	-1.6*	5.2	0.0	115m†	-55	125	K15125	TO116	Quad;tpd 4.0ns;Fan Out 25.
57#	GXB10115	22		MON	-.88	-1.7†	5.2	0.0	95m†	0	75	K2213	M200n	ECL,Quad;tpd 2.0ns typ;tr and tf 2.0ns typ
58	MC10514F	22		MON	-.93%	-1.6*†	5.2	0.0	145m†	-55	125	K2224	FP85	Triple Line Receiver;(High Common Mode).
59	MC10514L	22		MON	-.93%	-1.6*†	5.2	0.0	145m†	-55	125	K2224	M191	Triple Line Receiver(High Common Mode).
60	MC10515F	22		MON	-.93%	-1.6*†	5.2	0.0	110m†	-55	125	K2213	FP85	Quad Line Receiver.
61	MC10515L	22		MON	-.93%	-1.6*†	5.2	0.0	110m†	-55	125	K2213	M191	Quad Line Receiver.
62	MC10516F	22		MON	-.93%	-1.6*†	5.2	0.0	85m†	-55	125	K2218	FP85	Triple Line Receiver.
63	MC10516L	22		MON	-.93%	-1.6*†	5.2	0.0	85m†	-55	125	K2218	M191	Triple Line Receiver.
64	MC10616F	22		MON	-.93%	-1.6*†	5.2	0.0	100m†	-55	125	K2218	FP85	High Speed Triple;tpd 1.8ns†.
65	MC10616L	22		MON	-.93%	-1.6*†	5.2	0.0	100m†	-55	125	K2218	M191	High Speed Triple;tpd 1.8ns†.
66	10129F	22		MON	-.96%	-1.6*†	5.2	0.0		-30	85	K2253	M153e	Quad TTL/IBM Bus Rcvr/Latch.
67	10190F#1	22		MON	-.96%	-1.6*†	5.2	0.0	104m%	-30	85	K2252	M153e	Quad Diff Rcvr/MST-ECL Translator.
68	10216B	22		MON	-.96%	-1.6*†	5.2	0.0	100m†	-30	85	K2224	M256	Triple Diff OR/NOR;tpd 1.5ns typ.
69	10216F	22		MON	-.96%	-1.6*†	5.2	0.0	100m†	-30	85	K2224	M153e	Triple Diff OR/NOR;tpd 1.5ns typ.
70	DM10115J	22		MON	-.96%	-1.6†*	5.2	0.0	135m%	-30	85	K2213	M200r	Quad Diff.Amp;tpd 2.0ns;tr,tf 2.0ns.
71	DM10116J	22		MON	-.96%	-1.6†*	5.2	0.0	72m%	-30	85	K2218	M200r	Triple Diff;tpd 2.0ns;tr,tf 2.0ns.
72	MC1692F	22		MON	-.96%	-1.6*†	5.2	0.0	220m†	-30	85	K227	FP85	4 ckts;tpd 1.1ns;F.O. 70.
73	MC1692L	22		MON	-.96%	-1.6*	5.2	0.0	220m†	-30	85	K227	M191	4 Ckt;tpd 1.1ns;FO 7
74	MC10114L	22		MON	-.96%	-1.6*†	5.2	0.0	146m†	-30	85	K2224	M191	Triple Line Receiver.
75	MC10114P	22		MON	-.96%	-1.6*†	5.2	0.0	145m†	-30	85	K2224	M278	Triple Line Receiver.
76	MC10115L	22		MON	-.96%	-1.6*†	5.2	0.0	110m†	-30	85	K2213	M191	Quad;tpd 2.0ns typ.
77	MC10115P	22		MON	-.96%	-1.6*†	5.2	0.0	110m†	-30	85	K2213	M278	Quad;tpd 2.0ns typ.
78	MC10116L	22		MON	-.96%	-1.6*†	5.2	0.0	80m†	-30	85	K2218	M191	Triple;tpd 2.0ns typ.
79	MC10116P	22		MON	-.96%	-1.6*†	5.2	0.0	80m†	-30	85	K2218	M278	Triple;tpd 2.0ns typ.
80	MC10129L	22		MON	-.96%	-1.6*†	5.2	0.0		-30	85	K2230	M191	Bus Receiver.
81	MC10194L#2	22		MON	-.96%	-1.6*†	5.2	0.0	405m	-30	85	K2159	M200w	Dual Simult Bus Transceiver;Receiver.
82	MC10216L	22		MON	-.96%	-1.6*†	5.2	0.0	100m†	-30	85	K2218	M191	Triple Line Receiver;tpd 1.8ns typ.
83	MC10216P	22		MON	-.96%	-1.6*†	5.2	0.0	100m†	-30	85	K2218	M278	Triple Line Receiver;tpd 1.8ns typ.
84▼	MC1604F	22	500M☑%	MON	-.96%	-1.6*†	5.2	0.0	460m	-30	85	K2266	FP85	High BW Triple;tpd .75ns typ.
85	10114F	22	150M	MON	-.96%	-1.7*†	5.2	0.0	175m	-30	85	K2224	M153a	Triple Differential OR/NOR Line Receiver.
86	10115B	22	150M	MON	-.96%	-1.7*†	5.2	0.0	100m%	-30	85	K2223	M256	Quad Differentail Line Receiver.
87	10115F	22	150M	MON	-.96%	-1.7*†	5.2	0.0	100m%	-30	85	K2223	M153a	Quad Differential Line Receiver.
88	10116B	22	150M	MON	-.96%	-1.7*†	5.2	0.0	83m%	-30	85	K2224	M256	Triple Differential OR/NOR Line Receiver.
89	10116F	22	150M	MON	-.96%	-1.7*†	5.2	0.0	83m%	-30	85	K2224	M153a	Triple Differential OR/NOR Line Receiver.
90	SN10114J	22		MON	-.98%	-1.6*	5.2	0.0	182m†	0	85	K2258	M153d	Triple(Complementary Outputs,±1 Volt CMR).
91	SN10114N	22		MON	-.98%	-1.6*	5.2	0.0	182m†	0	85	K2258	M117x	Triple(Complementary Outputs,±1 Volt CMR).
92	SN10115J	22		MON	-.98%	-1.6*	5.2	0.0	93m†	0	85	K2223	M153d	Quad;tpd 2.0ns typ.
93	SN10115N	22		MON	-.98%	-1.6*	5.2	0.0	93m†	0	85	K2223	M117x	Quad;tpd 2.0ns typ.
94	SN10116J	22		MON	-.98%	-1.6*	5.2	0.0	72m†	0	85	K2224	M153d	Triple;tpd 2.0ns typ.
95	SN10116N	22		MON	-.98%	-1.6*	5.2	0.0	72m†	0	85	K2224	M117x	Triple;tpd 2.0ns typ.
96▼	DS1489J	22		MON	1.0%	1.25*	0.0	5.0	130m	0	75	K223	M257c	Quad;tpd 85ns;tr 175ns;tf 20ns.
97	HD1A1489	22		MON	1.0%	1.25*	0.0	5.0	130m§	0	75	K223	TO116	Quad;tpd 60ns,tr 90ns,tf 8.0ns typ.
98	ITT1489	22		MON	1.0%	1.25*	0.0	5.0	1.0	0	75	K223		Quad;tpd 85ns max;tr 120ns;tf 10ns.
99	MC1489B	22		MON	1.0%	1.25*	0.0	5.0	130m	0	75	K223	M344a	Quad;Io 30mA max;tpd 175ns max.
100	MC1489L	22		MON	1.0%	1.25*	0.0	5.0	130m	0	75	K223	TO116	Quad Line Receiver.
101	CM1160	22	3.0M%	MON	1.5%	1.5*	12	5.0	270m	0	70	K225	TO116	Tr 50ns;tf 50ns; td 200ns.
102▼	CM1161	22	3.0M%	MON	1.5%	1.5*	12	5.0	270m	0	70		TO116	tr 50ns;tf 50ns;td 200ns.
103▼	DS7836J	22		MON	1.65%	1.63*	0.0	5.0	600m	-55	125	K2232	M257c	Quad NOR Unified Bus Transceiver.
104▼	DS7836W	22		MON	1.65%	1.63*	0.0	5.0	600m	-55	125	K2232	FP97c	Quad NOR Unified Bus Transceiver.
105▼	DS7837J	22		MON	1.65%	1.63*	0.0	5.0	600m	-55	125	K2233	M200k	Hex Unified Bus Receiver.
106▼	DS7837W	22		MON	1.65%	1.63*	0.0	5.0	600m	-55	125	K2233	FP98b	Hex Unified Bus Receiver.
107▼	DS8640J	22		MON	1.7%	1.3*	0.0	5.0	600m	0	70	K2232	M257c	Quad NOR Unified Bus Rcvr.
108▼	DS8640N	22		MON	1.7%	1.3*	0.0	5.0	600m	0	70	K2232	M344	Quad NOR Unified Bus Rcvr.
109▼	DS1489AJ	22		MON	1.75%	1.25*	0.0	5.0	130m	0	75	K223	M257c	Quad;tpd 85ns;tr 175ns;tf 20ns.
110	HD1A1489A	22		MON	1.75%	1.25*	0.0	5.0	130m§	0	75	K223	TO116	Quad;tpd 85ns,tr 175ns,tf 20ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MC1489AB	22		MON	1.75%	1.25*	0.0	5.0	130m	0	75	K223	M344a	Quad;Io 30mA max;tpd 175ns max.
2	MC1489AL	22		MON	1.75%	1.25*	0.0	5.0	130m	0	75	K223	TO116	Quad Line Receiver.
3▼	DS7640J	22		MON	1.8%	1.2*	0.0	5.0	600m	-55	125	K2232	M257c	Quad NOR Unified Bus Rcvr.
4▼	DS7640W	22		MON	1.8%	1.2*	0.0	5.0	600m	-55	125	K2232	FP97c	Quad NOR Unified Bus Rcvr.
5▼	DS8836J	22		MON	1.80%	1.55*	0.0	5.0	600m	0	70	K2232	M257c	Quad NOR Unified Bus Transceiver.
6▼	DS8836N	22		MON	1.80%	1.55*	0.0	5.0	600m	0	70	K2232	M344	Quad NOR Unified Bus Transceiver.
7▼	DS8837J	22		MON	1.80%	1.55*	0.0	5.0	600m	0	70	K2233	M200k	Hex Unified Bus Receiver.
8▼	DS8837N	22		MON	1.80%	1.55*	0.0	5.0	600m	0	70	K2233	M345	Hex Unified Bus Receiver.
9	AM26S12DC#2	22		MON	1.8%	1.6*	0.0	5.0	350m%	0	75	K2142	M356	Schottky Quad Bus Transceiver;tpd 26ns max
10	AM26S12DM#2	22		MON	1.8%	1.6*	0.0	5.0	350m%	-55	125	K2142	M224c	Schottky Quad Bus Transceiver;tpd 26ns max
11	AM26S12FM#2	22		MON	1.8%	1.6*	0.0	5.0	350m%	-55	125	K2142	FP79b	Schottky Quad Bus Transceiver;tpd 26ns max
12	AM26S12PC#2	22		MON	1.8%	1.6*	0.0	5.0	350m%	0	75	K2142	M357	Schottky Quad Bus Transceiver;tpd 26ns max
13	ITT1489A	22		MON	1.95	.80	0.0	5.0	1.0	0	75	K223		Quad;tpd 85ns max;tr 120ns;tf 10ns.
14	5551	22		PCB	2.0%	.45*	0.0	5.0	600m§	0	70		CB62	Diff;Ri 5.0kΩ;Strobe Current 1.4mA max.
15	5551A	22		PCB	2.0%	.45*	0.0	5.0	600m§	0	70		CB62	Diff;Ri 5.0kΩ;Strobe Current 1.4mA max.
16	5551B	22		PCB	2.0%	.45*	0.0	5.0	600m§	0	70		CB62	Diff;Ri 5.0kΩ;Strobe Current 1.4mA max.
17	5551C	22		PCB	2.0%	.45*	0.0	5.0	600m§	0	70		CB62	Diff;Ri 5.0kΩ;Strobe Current 1.4mA max.
18	9627CDC	22		MON	2.0%	.80%	12	12	730m	0	75	K2234	M200j	Dual;tpd 250ns max.
19▼	9627DC	22		MON	2.0%	.80*	12	12	256m§	0	75	K2234	M200j	Dual Line Receiver;tpd 250ns max.
20♦	9627DM	22		MON	2.0%	.80*	12	12	256m§	-55	125	K2234	M200j	Dual Line Receiver;tpd 250ns max.
21▼	9627FM	22		MON	2.0%	.80*	12	12	256m§	-55	125	K2234	FP93c	Dual Line Receiver;tpd 250ns max.
22▼	9627PC	22		MON	2.0%	.80*	12	12	256m§	0	75	K2234	M532	Dual Line Receiver;tpd 250ns max.
23▼	AM26S10DC	22		MON	2.0%	.80*	0.0	5.0	350m	0	70	K2267	M356	Quad Bus Transceiver.
24▼	AM26S10DM	22		MON	2.0%	.80*	0.0	5.0	350m	-55	125	K2267	M356	Quad Bus Transceiver.
25▼	AM26S10FM	22		MON	2.0%	.80*	0.0	5.0	350m	-55	125	K2267	FP79b	Quad Bus Transceiver.
26▼	AM26S10PC	22		MON	2.0%	.80*	0.0	5.0	350m	0	70	K2267	M357	Quad Bus Transceiver.
27▼	AM26S11DC	22		MON	2.0%	.80*	0.0	5.0	400m	0	70	K2268	M356	Quad Bus Transceiver.
28▼	AM26S11DM	22		MON	2.0%	.80*	0.0	5.0	400m	-55	125	K2268	M356	Quad Bus Transceiver.
29▼	AM26S11FM	22		MON	2.0%	.80*	0.0	5.0	400m	-55	125	K2268	FP79b	Quad Bus Transceiver.
30▼	AM26S11PC	22		MON	2.0%	.80*	0.0	5.0	400m	0	70	K2268	M357	Quad Bus Transceiver.
31	DM7838W#2	22		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K2138	FP98	Quad Unified Bus Transceiver;tpd 30ns max.
32	DM8838J#2	22		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2138	M200k	Quad Unified Bus Transceiver;tpd 30ns max.
33	DM8838W#2	22		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2138	FP98	Quad Unified Bus Transceiver;tpd 30ns max.
34▼	DS1689J	22		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K2276	M200k	Quad;Differential;tpd 30ns.
35▼	DS1690J	22		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K2277	M499	Quad;Differential;tpd 30ns.
36▼	DS3689J	22		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2276	M200k	Quad;Differential;tpd 30ns.
37▼	DS3689N	22		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2276	M345	Quad;Differential;tpd 30ns.
38▼	DS3690J	22		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2277	M499	Quad;Differential;tpd 30ns.
39▼	DS3690N	22		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2277	M347	Quad;Differential;tpd 30ns.
40▼	DS7641J	22		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K2279	M200k	Quad Unified Bus Transceiver.
41▼	DS7833J	22		MON	2.0%	.80*	0.0	5.0	475m	-55	125	K2261	M200k	Quad Tri-State Party Line Transceiver.
42▼	DS7833W	22		MON	2.0%	.80*	0.0	5.0	475m	-55	125	K2261	FP98b	Quad Tri-State Party Line Transceiver.
43▼	DS7834J	22		MON	2.0%	.80*	0.0	5.0	475m	-55	125	K2262	M200k	Quad Tri-State Party Line Transceivers.
44▼	DS7834W	22		MON	2.0%	.80*	0.0	5.0	475m	-55	125	K2262	FP98b	Quad Tri-State Party Line Transceivers.
45▼	DS7835J	22		MON	2.0%	.80*	0.0	5.0	475m	-55	125	K2263	M200k	Quad tri-State Party Line Transceiver.
46▼	DS7835W	22		MON	2.0%	.80*	0.0	5.0	475m	-55	125	K2263	FP98b	Quad tri-State Party Line Transceiver.
47▼	DS7838J	22		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K2138	M200k	Quad Unified Bus Transceiver.
48▼	DS7838W	22		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K2138	FP98b	Quad Unified Bus Transceiver.
49▼	DS7839J	22		MON	2.0%	.80*	0.0	5.0	475m	-55	125	K2264	M200k	Quad Tri-State Party Line Transceivers.
50▼	DS7839W	22		MON	2.0%	.80*	0.0	5.0	475m	-55	125	K2264	FP98b	Quad Tri-State Party Line Transceivers.
51▼	DS8641J	22		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2279	M200k	Quad Unified Bus Transceiver.
52▼	DS8641N	22		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2279	M345	Quad Unified Bus Transceiver.
53▼	DS8642J	22		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2275	M200k	Quad Transceiver.
54▼	DS8642N	22		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2275	M345	Quad Transceiver.
55▼	DS8833J	22		MON	2.0%	.80*	0.0	5.0	475m	0	70	K2261	M200k	Quad Tri-State Party Line Transceiver.
56▼	DS8833N	22		MON	2.0%	.80*	0.0	5.0	475m	0	70	K2261	M345	Quad Tri-State Party Line Transceiver.
57▼	DS8834J	22		MON	2.0%	.80*	0.0	5.0	475m	0	70	K2262	M200k	Quad Tri-State Party Line Transceivers.
58▼	DS8834N	22		MON	2.0%	.80*	0.0	5.0	475m	0	70	K2262	M345	Quad Tri-State Party Line Transceivers.
59▼	DS8835J	22		MON	2.0%	.80*	0.0	5.0	475m	0	70	K2263	M200k	Quad tri-State Party Line Transceiver.
60▼	DS8835N	22		MON	2.0%	.80*	0.0	5.0	475m	0	70	K2263	M345	Quad tri-State Party Line Transceiver.
61▼	DS8838J	22		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2138	M200k	Quad Unified Bus Transceiver.
62▼	DS8838N	22		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2138	M345	Quad Unified Bus Transceiver.
63▼	DS8839J	22		MON	2.0%	.80*	0.0	5.0	475m	0	70	K2264	M200k	Quad Tri-State Party Line Transceivers.
64▼	DS8839N	22		MON	2.0%	.80*	0.0	5.0	475m	0	70	K2264	M345	Quad Tri-State Party Line Transceivers.
65▼	DS55122J	22		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K2260	M200k	Triple;tpd 30ns max.
66▼	DS55122W	22		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K2260	FP98b	Triple;tpd 30ns max.
67▼	DS75122J	22		MON	2.0%	.80*	0.0	5.0	600m	0	75	K2260	M200k	Triple;tpd 30ns max.
68▼	DS75122N	22		MON	2.0%	.80*	0.0	5.0	600m	0	75	K2260	M345	Triple;tpd 30ns max.
69▼	DS75124J	22		MON	2.0%	.80*	0.0	5.0	600m	0	75	K2260	M200k	Triple;tpd 30ns max.
70▼	DS75124N	22		MON	2.0%	.80*	0.0	5.0	600m	0	75	K2260	M345	Triple;tpd 30ns max.
71▼	JANM38510/10404BEA	22		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2243	M323	Dual Diff;Vi 20V max;tpd 75ns max.
72	JANM38510/10404BEB	22		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2243	M323	Dual Diff;Vi 20V max;tpd 75ns max.
73▼	JANM38510/10404BEC	22		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2243	M323	Dual Diff;Vi 20V max;tpd 75ns max.
74	JANM38510/10404BFA	22		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2243	FP117	Dual Diff;Vi 20V max;tpd 75ns max.
75	JANM38510/10404BFB	22		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2243	FP117	Dual Diff;Vi 20V max;tpd 75ns max.
76	JANM38510/10404BFC	22		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2243	FP117	Dual Diff;Vi 20V max;tpd 75ns max.
77▼	JANM38510/10404CEA	22		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2243	M323	Dual Diff;Vi 20V max;tpd 75ns max.
78	JANM38510/10404CEB	22		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2243	M323	Dual Diff;Vi 20V max;tpd 75ns max.
79▼	JANM38510/10404CEC	22		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2243	M323	Dual Diff;Vi 20V max;tpd 75ns max.
80	JANM38510/10404CFA	22		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2243	FP117	Dual Diff;Vi 20V max;tpd 75ns max.
81	JANM38510/10404CFB	22		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2243	FP117	Dual Diff;Vi 20V max;tpd 75ns max.
82	JANM38510/10404CFC	22		MON	2.0%	.80*	0.0	5.5	400m	-55	125	K2243	FP117	Dual Diff;Vi 20V max;tpd 75ns max.
83▼	MC8T14L	22		MON	2.0%	.80*	0.0	5.0	1.0	0	75	K2265	M200aa	Triple w/Hysteresis;tpd 30ns max.
84▼	MC8T14P	22		MON	2.0%	.80*	0.0	5.0	830m	0	75	K2265	M278	Triple w/Hysteresis;tpd 30ns max.
85▼	MC8T24L	22		MON	2.0%	.80*	0.0	5.0	1.0	0	75	K2265	M200aa	Triple w/Hysteresis;tpd 30ns max.
86▼	MC8T24P	22		MON	2.0%	.80*	0.0	5.0	830m	0	75	K2265	M278	Triple w/Hysteresis;tpd 30ns max.
87	MC3440P	22		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2244	M278	Quad Interface Bus Transceiver.
88	MC3441P	22		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2245	M278	Quad Interface Bus Transceiver.
89	MC3443P	22		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2246	M278	Quad Interface Bus Tranceiver.
90	MC55107L	22		MON	2.0%	.80*	0.0	5.0	625m	-55	125	K2211	TO116	Dual;tpd 25ns max.
91	MC55108L	22		MON	2.0%	.80*	0.0	5.0	625m	-55	125	K2211	TO116	Dual;tpd 25ns max.
92	MC75107L,P%	22		MON	2.0%	.80*	0.0	5.0	625m	0	70	K2211	TO116	Dual;tpd 25ns max.
93	MC75108L,P%	22		MON	2.0%	.80*	0.0	5.0	625m	0	70	K2211	TO116	Dual;tpd 25ns max.
94	RC75107AD	22		MON	2.0%	.80*	5.0	5.0	225m§	0	70	K2211	M312	Dual;tpd 25ns max;Vi ±5.0V.
95	RC75107ADP	22		MON	2.0%	.80*	5.0	5.0	225m§	0	70	K2211	M313	Dual;tpd 25ns max;Vi ±5.0V.
96	RC75108AD	22		MON	2.0%	.80*	5.0	5.0	225m§	0	70	K2211	M312	Dual;tpd 25ns max;Vi ±5.0V.
97	RC75108ADP	22		MON	2.0%	.80*	5.0	5.0	225m§	0	70	K2211	M313	Dual;tpd 25ns max;Vi ±5.0V.
98	RM55107AD	22		MON	2.0%	.80*	5.0	5.0	225m§	-55	125	K2211	M312	Dual;tpd 25ns max;Vi ±5.0V.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	RM55108AD	22		MON	2.0%	.80*	5.0	5.0	225m§	-55	125	K2211	M312	Dual;tpd 25ns max;Vi ±5.0V.
2#	SFC5107AE	22		MON	2.0%	.80*	5.0	5.0		0	70	K2211	TO116	Dual Line Receiver.
3#	SFC5107AEM	22		MON	2.0%	.80*	5.0	5.0		-55	125	K2211	TO116	Dual Line Receiver.
4#	SFC5108AE	22		MON	2.0%	.80*	5.0	5.0		0	70	K2211	TO116	Dual Line Receiver.
5#	SFC5108AEM	22		MON	2.0%	.80*	5.0	5.0		-55	125	K2211	TO116	Dual Line Receiver.
6#	SFC5109E	22		MON	2.0%	.80*	5.0	5.0		0	70	K2212	TO116	Dual Line Driver.
7#	SFC5109EM	22		MON	2.0%	.80*	7.0	7.0		-55	125	K2212	TO116	Dual Line Driver.
8#	SFC5110E	22		MON	2.0%	.80*	7.0	7.0		0	70	K2212	TO116	Dual Line Driver.
9#	SFC5110EM	22		MON	2.0%	.80*	7.0	7.0		-55	125	K2212	TO116	Dual Line Driver.
10	SN55107J	22		MON	2.0%	.80*	5.0	5.0	248m	-55	125	K2211	M157b	Also use 21;tpd 25ns max.
11	SN55108J	22		MON	2.0%	.80*	5.0	5.0	248m	-55	125	K2211	M157b	Also use 21;tpd 25ns max.
12	SN55109J	22		MON	2.0%	.80*	7.0	7.0	248m†	-55	125	K2212	M157b	Also use 21;tpd 25ns max.
13	SN55109W	22		MON	2.0%	.80*	7.0	7.0	248m†	-55	125	K2212	FP106	Also use 21;tpd 25ns max.
14	SN55110J	22		MON	2.0%	.80*	7.0	7.0	248m†	-55	125	K2212	M157b	Also use 21;tpd 25ns max.
15	SN55110W	22		MON	2.0%	.80*	7.0	7.0	248m†	-55	125	K2212	FP106	Also use 21;tpd 25ns max.
16	SN55116J	22		MON	2.0%	.80*	0.0	5.0	210m†	-55	125	K2256	M153d	Differential Line Tranceivers.
17	SN55117JP	22		MON	2.0%	.80*	0.0	5.0	210m†	-55	125	K2255	M360	Differential Line Transceivers.
18	SN55122J	22		MON	2.0%	.80*	0.0	5.0	360m%	0	70	K2238	M153d	Dual;tpd 30ns max.
19▼	SN55122W	22		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K2238	FP93c	Dual;tpd 30ns max.
20▼	SN55207J	22		MON	2.0%	.80*	5.0	5.0	132m	-55	125	K2254	TO116	Dual MOS Sense Amp.
21▼	SN55208J	22		MON	2.0%	.80*	5.0	5.0	132m	-55	125	K2254	TO116	Dual MOS Sense Amp.
22	SN75107J	22		MON	2.0%	.80*	5.0	5.0	237m	0	70	K2211	M157b	Also use 21;Also in Plastic DIL Package.
23	SN75107N	22		MON	2.0%	.80*	5.0	5.0	237m	0	70	K2211	M126e	Also use 21;Also in Plastic DIL Package.
24	SN75108J	22		MON	2.0%	.80*	5.0	5.0	237m	0	70	K2211	M157b	Also use 21;Also in Plastic DIL Package.
25	SN75108N	22		MON	2.0%	.80*	5.0	5.0	237m	0	70	K2211	M126e	Also use 21;Also in Plastic DIL Package.
26	SN75109J	22		MON	2.0%	.80*	7.0	7.0	248m†	0	70	K2212	M157b	Also use 21;Also in Plastic DIL Package.
27	SN75109N	22		MON	2.0%	.80*	7.0	7.0	248m†	0	70	K2212	M126e	Also use 21;Also in Plastic DIL Package.
28	SN75110J	22		MON	2.0%	.80*	7.0	7.0	248m†	0	70	K2212	M157b	Also use 21;Also in Plastic DIL Package.
29	SN75110N	22		MON	2.0%	.80*	7.0	7.0	248m†	0	70	K2212	M126e	Also use 21;Also in Plastic DIL Package.
30	SN75116J	22		MON	2.0%	.80*	0.0	5.0	210m†	0	70	K2256	M153d	Differential Line Transceivers.
31	SN75116N	22		MON	2.0%	.80*	0.0	5.0	210m†	0	70	K2256	M117x	Differential Line Transceivers.
32	SN75117P	22		MON	2.0%	.80*	0.0	5.0	210m†	0	70	K2255	M239e	Differential Line Tranceivers.
33	SN75122J	22		MON	2.0%	.80*	0.0	5.0	360m%	0	70	K2238	M153d	Dual;tpd 30ns max.
34	SN75122N	22		MON	2.0%	.80*	0.0	5.0	360m%	0	70	K2238	M117x	Dual;tpd 30ns max.
35	SN75124J	22		MON	2.0%	.80*	0.0	5.0	800m	0	75	K2238	M153d	Triple;tpd 30ns max.
36	SN75124N	22		MON	2.0%	.80*	0.0	5.0	800m	0	75	K2238	M117x	Triple;tpd 30ns max.
37	SN75140P	22		MON	2.0%	.80*	0.0	5.0	100m%	0	70	K2239	M226	Dual;tpd 35ns max.
38	SN75152J	22		MON	2.0%	.80*	12	12	85m%	0	70	K2240	M153d	Dual;tpd 60ns typ.
39	SN75152N	22		MON	2.0%	.80*	12	12	85m%	0	70	K2240	M117x	Dual;tpd 60ns typ.
40	SN75207BJ	22		MON	2.0%	.80*	5.0	5.0	132m†	0	70	K2254b	M157b	Dual;tpd 35ns max.
41	SN75207BN	22		MON	2.0%	.80*	5.0	5.0	132m†	0	70	K2254b	M126e	Dual;tpd 35ns max.
42	SN75207J	22		MON	2.0%	.80*	5.0	5.0	132m†	0	70	K2254	M157b	Dual;tpd 35ns max.
43	SN75207N	22		MON	2.0%	.80*	5.0	5.0	132m†	0	70	K2254	M126e	Dual;tpd 35ns max.
44	SN75208BJ	22		MON	2.0%	.80*	5.0	5.0	132m†	0	70	K2254c	M157b	Dual;tpd 35ns max.
45	SN75208BN	22		MON	2.0%	.80*	5.0	5.0	132m†	0	70	K2254c	M126e	Dual;tpd 35ns max.
46	SN75208J	22		MON	2.0%	.80*	5.0	5.0	132m†	0	70	K2254a	M157b	Dual;tpd 35ns max.
47	SN75208N	22		MON	2.0%	.80*	5.0	5.0	132m†	0	70	K2254a	M126e	Dual;tpd 35ns max.
48#	T75107AB1	22		MON	2.0%	.80*	5.0	5.0	225m§	0	70	K2211	M126s	Dual;tpd 25ns max.
49#	T75107AD1	22		MON	2.0%	.80*	5.0	5.0	225m§	0	70	K2211	M294d	Dual;tpd 25ns max.
50#	T75107AD2	22		MON	2.0%	.80*	5.0	5.0	225m§	-55	125	K2211	M294d	Dual;tpd 25ns max.
51#	T75108AB1	22		MON	2.0%	.80*	5.0	5.0	225m§	0	70	K2211	M126s	Dual;tpd 25ns max.
52#	T75108AD1	22		MON	2.0%	.80*	5.0	5.0	225m§	0	70	K2211	M294d	Dual;tpd 25ns max.
53#	T75108AD2	22		MON	2.0%	.80*	5.0	5.0	225m§	-55	125	K2211	M294d	Dual;tpd 25ns max.
54#	T75207AB1	22		MON	2.0%	.80*	5.0	5.0	225m§	0	75	K2211	M126s	Dual MOS Sense Amp/Line Rec;tpd 25ns max.
55#	T75207AD1	22		MON	2.0%	.80*	5.0	5.0	225m§	0	75	K2211	M294d	Dual MOS Sense Amp/Line Rec;tpd 25ns max.
56#	T75207AD2	22		MON	2.0%	.80*	5.0	5.0	225m§	-55	125	K2211	M294d	Dual MOS Sense Amp/Line Rec;tpd 25ns max.
57#	T75208AB1	22		MON	2.0%	.80*	5.0	5.0	225m§	0	70	K2211	M126s	Dual MOS Sense Amp/Line Rec;tpd 25ns max.
58#	T75208AD1	22		MON	2.0%	.80*	5.0	5.0	225m§	0	70	K2211	M294d	Dual MOS Sense Amp/Line Rec;tpd 25ns max.
59#	T75208AD2	22		MON	2.0%	.80*	5.0	5.0	225m§	-55	125	K2211	M294d	Dual MOS Sense Amp/Line Rec;tpd 25ns max.
60#	ZN1005E	22		MON	2.0%	.90*	12	7.0	700m	0	70	K2259	TO116	MSI Line Receiver;tpd 19ns max.
61	AM26S12ADC#2	22		MON	2.05%	1.4%	0.0	5.0	350m%	0	75	K2142	M356	Schottky Quad Bus Transceiver;tpd 26ns max
62	AM26S12ADM#2	22		MON	2.05%	1.4%	0.0	5.0	350m%	-55	125	K2142	M224c	Schottky Quad Bus Transceiver;tpd 26ns max
63	AM26S12AFM#2	22		MON	2.05%	1.4%	0.0	5.0	350m%	-55	125	K2142	FP79b	Schottky Quad Bus Transceiver;tpd 26ns max
64	AM26S12APC#2	22		MON	2.05%	1.4%	0.0	5.0	350m%	0	75	K2142	M357	Schottky Quad Bus Transceiver;tpd 26ns max
65	DM7820AD	22			2.1%	.90*	0.0	5.0	600m	-55	125	K0533	M105aq	Dual;tpd 45ns max;Strobe I 1.4mA Max
66	DM7820AJ	22		MON	2.1%	.90*	0.0	5.0	600m	-55	125	K0533	M297d	Dual;tpd 45ns max;Strobe I-1.4mA max.
67	DM7820AW	22		MON	2.1%	.90*	0.0	5.0	600m	-55	125	K0533	FP106	Dual;tpd 45ns max;Strobe I-1.4mA max.
68	DM8820AJ	22		MON	2.1%	.90*	0.0	5.0	600m	0	75	K0533	M297d	Dual;tpd 45ns max;Strobe I-1.4mA max.
69	DM8820AN	22		MON	2.1%	.90*	0.0	5.0	600m	0	70	K0533	M344a	Dual;tpd 45ns max;Strobe I-1.4mA max.
70	DM8820AW	22		MON	2.1%	.90*	0.0	5.0	600m	0	70	K0533	FP97	Dual;tpd 45ns max;Strobe I-1.4mA max.
71▼	DS7820AJ	22		MON	2.1%	.90*	0.0	5.0	600m	-55	125	K2242	M257c	Dual;tpd 45ns max.
72▼	DS7820AW	22		MON	2.1%	.90*	0.0	5.0	600m	-55	125	K2242	FP97c	Dual;tpd 45ns max.
73▼	DS8820AJ	22		MON	2.1%	.90*	0.0	5.0	600m	0	70	K2242	M257c	Dual;tpd 45ns max.
74▼	DS8820AN	22		MON	2.1%	.90*	0.0	5.0	600m	0	70	K2242	M344	Dual;tpd 45ns max.
75▼	DS8820AW	22		MON	2.1%	.90*	0.0	5.0	600m	0	70	K2242	FP97c	Dual;tpd 45ns max.
76	SN55182J	22		MON	2.1%	.90*	0.0	5.0	47m%	-55	125	K2242	M157b	Dual Differential;tpd 45ns max.
77	SN75182J	22		MON	2.1%	.90*	0.0	5.0	47m%	0	70	K2242	M157b	Dual Differential;tpd 45ns max.
78	SN75182N	22		MON	2.1%	.90*	0.0	5.0	47m%	0	70	K2242	M126e	Dual Differential;tpd 45ns max.
79	DM7836J	22		MON	2.25	1.3	0.0	5.0	600m	-55	125	K2232	M257c	Quad NOR Unified Bus Receiver;tpd 30ns max
80	DM7836W	22		MON	2.25	1.3	0.0	5.0	600m	-55	125	K2232	FP97	Quad NOR Unified Bus Receiver.
81	DM7837J	22		MON	2.25	1.3	0.0	5.0	600m	-55	125	K2233	M200k	Hex Unified Bus Receiver;tpd 30ns max.
82	DM7837W	22		MON	2.25	1.3	0.0	5.0	600m	-55	125	K2233	FP98	Hex Unified Bus Receiver;tpd 30ns max.
83	DM7838J#2	22		MON	2.25	1.3	0.0	5.0	600m	-55	125	K2138	M200k	Quad Unified Bus Transceiver;tpd 30ns max.
84	DM8836J	22		MON	2.25	1.3	0.0	5.0	600m	0	70	K2232	M294f	Quad NOR Unified Bus Receiver.
85	DM8836N	22		MON	2.25	1.3	0.0	5.0	600m	0	70	K2232	M344	Quad NOR Unified Bus Receiver;tpd 30ns max
86	DM8836W	22		MON	2.25	1.3	0.0	5.0	600m	0	70	K2232	FP97	Quad NOR Unified Bus Receiver.
87	DM8837J	22		MON	2.25	1.3	0.0	5.0	600m	0	70	K2233	M200k	Hex Unified Bus Receiver;tpd 30ns max.
88	DM8837N	22		MON	2.25	1.3	0.0	5.0	600m	0	70	K2233	M345	Hex Unified Bus Receiver;tpd 30ns max.
89	DM8837W	22		MON	2.25	1.3	0.0	5.0	600m	0	70	K2233	FP98	Hex Unified Bus Receiver;tpd 30ns max.
90	DM8838N#2	22		MON	2.25	1.3	0.0	5.0	600m	0	70	K2138	M345	Quad Unified Bus Transceiver;tpd 30ns max.
91	MC75140P1	22		MON	2.4%	.04*†	0.0	5.0	830m§	0	70		M293a	Dual;tpd 35ns typ.
92▼	9613RC	22		MON	2.4%	.40†*	0.0	5.0	350m§	0	75	K2272	M531	Dual Diff;tpd 40ns max.
93▼	9613RM	22		MON	2.4%	.40†*	0.0	5.0	350m§	-55	125	K2272	M531	Dual Diff;tpd 40ns max.
94▼	9613TC	22		MON	2.4%	.40†*	0.0	5.0	350m§	0	75	K2272	M530	Dual Diff;tpd 40ns max.
95	9615DM	22		MON	2.4%	.40†*	0.0	5.0	250m%	-55	125	K2236	M224c	Dual Diff;lo 30mA max;tpd 50ns max.
96	9615FM	22		MON	2.4%	.40†*	0.0	5.0	250m%	-55	125	K2236	FP79b	Dual Diff;lo 30mA max;tpd 50ns max.
97♦	9617DC	22		MON	2.4%	.40*†	0.0	5.0	60m†	0	75	K2220	M200j	Triple Line Receiver;tpd 60ns.
98▼	9617PC	22		MON	2.4%	.40†*	0.0	5.0	60m†	0	75	K2220	M126w	Triple Line Receiver;tpd 60ns.
99	AM2615DC	22		MON	2.4	.40†*	0.0	5.0	250m%	0	75	K2236a	M224c	Dual Diff;lo 30mA max;tpd 75ns max.
100	AM2615PC	22		MON	2.4	.40†*	0.0	5.0	250m%	0	75	K2236a	M357	Dual Diff;lo 30mA max;tpd 75ns max.
101	DM7833	22		MON	2.4%§	.40*				-55	125	K2261		Quad Transceivers.
102	DM7834	22		MON	2.4%§	.40*				-55	125	K2262		Quad Transceivers.
103	DM7835	22		MON	2.4%§	.40*				-55	125	K2263		Quad Transceivers.
104	DM7839	22		MON	2.4%§	.40*				-55	125	K2264		Quad Transceivers.
105	DM8833	22		MON	2.4%§	.40*				0	70	K2261		Quad Transceivers.
106	DM8834	22		MON	2.4%§	.40*				0	70	K2262		Quad Transceivers.
107	DM8835	22		MON	2.4%§	.40*				0	70	K2263		Quad Transceivers.
108	DM8839	22		MON	2.4%§	.40*				0	70	K2264		Quad Transceivers.
109▼	DS1603J	22		MON	2.4%	.40*	5.0	5.0	600m	-55	125	K2280	M257c	Dual;tpd 25ns max.
110▼	DS1603W	22		MON	2.4%	.40*	5.0	5.0	600m	-55	125	K2280	FP97c	Dual;tpd 25ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	DS3603J	22		MON	2.4%	.40*	5.0	5.0	600m	0	70	K2280	M257c	Dual;tpd 25ns max.
2▼	DS3603N	22		MON	2.4%	.40*	5.0	5.0	600m	0	70	K2280	M344	Dual;tpd 25ns max.
3▼	DS3604J	22		MON	2.4%	.40*	5.0	5.0	600m	0	70	K2280	M257c	Dual;tpd 35ns max.
4▼	DS3604N	22		MON	2.4%	.40*	5.0	5.0	600m	0	70	K2280	M344	Dual;tpd 35ns max.
5▼	DS3650J	22		MON	2.4%	.40*†	5.0	5.0	1.3	0	70	K2278	M200k	Quad;TTL;Tri-State;tpd 10ns.
6▼	DS3650N	22		MON	2.4%	.40*†	5.0	5.0	1.3	0	70	K2278	M345	Quad;TTL;Tri-State;tpd 10ns.
7▼	DS55107J	22		MON	2.4%	.40*†	5.0	5.0	600m	-55	125	K2211	M257c	Dual;tpd 25ns max.
8▼	DS55107W	22		MON	2.4%	.40*†	5.0	5.0	600m	-55	125	K2211	FP97c	Dual;tpd 25ns max.
9▼	DS55108J	22		MON	2.4%	.40*†	5.0	5.0	600m	-55	125	K2211	M257c	Dual;tpd 25ns max.
10▼	DS55108W	22		MON	2.4%	.40*†	5.0	5.0	600m	-55	125	K2211	FP97c	Dual;tpd 25ns max.
11▼	DS75107J	22		MON	2.4%	.40*†	5.0	5.0	600m	0	70	K2211	M257c	Dual;tpd 25ns max.
12▼	DS75107N	22		MON	2.4%	.40*†	5.0	5.0	600m	0	70	K2211	M344	Dual;tpd 25ns max.
13▼	DS75108J	22		MON	2.4%	.40*†	5.0	5.0	600m	0	70	K2211	M257c	Dual;tpd 25ns max.
14▼	DS75108N	22		MON	2.4%	.40*†	5.0	5.0	600m	0	70	K2211	M344	Dual;tpd 25ns max.
15▼	DS75207J	22		MON	2.4%	.40*†	5.0	5.0	600m	0	70	K2211	M257c	Dual;tpd 35ns max.
16▼	DS75207N	22		MON	2.4%	.40*†	5.0	5.0	600m	0	70	K2211	M344	Dual;tpd 35ns max.
17▼	DS75208J	22		MON	2.4%	.40*†	5.0	5.0	600m	0	70	K2211	M257c	Dual;tpd 35ns max.
18▼	DS75208N	22		MON	2.4%	.40*†	5.0	5.0	600m	0	70	K2211	M344	Dual;tpd 35ns max.
19	LM163J	22		MOS	2.4%	.40*†	5.0	5.0	600m	-55	125	K1939	M294f	Dual;tpd 30ns max.
20	LM163N	22		MOS	2.4%	.40*†	5.0	5.0	600m	-55	125	K1939	M344	Dual;tpd 30ns max.
21	LM363J	22		MOS	2.4%	.40†*	5.0	5.0	600m	0	70	K1939	M294f	Dual;tpd 30ns max;Vi ±5.0V.
22	LM363N	22		MOS	2.4%	.40†*	5.0	5.0	600m	0	70	K1939	M344	Dual;tpd 30ns max;Vi ±5.0V.
23	JANM38510/10401BCB	22		MON	2.4%	.40*†	5.5	5.5	495m%	-55	125	K2211	M314	Dual Line Receiver;tpd 40ns max.
24	JANM38510/10401CCB	22		MON	2.4%	.40*†	5.5	5.5	495m%	-55	125	K2211	M314	Dual Line Receiver;tpd 40ns max.
25	JANM38510/10402BCB	22		MON	2.4%	.40*†	5.5	5.5	495m%	-55	125	K2211	M314	Dual Line Receiver;tpd 40ns max.
26	JANM38510/10402CCB	22		MON	2.4%	.40*†	5.5	5.5	495m%	-55	125	K2211	M314	Dual Line Receiver;tpd 40ns max.
27	MC3437L	22		MON	2.4%	.40*†	0.0	5.0	625m	0	70	K2233	M200w	Hex Bus Receiver;Tpd 20ns typ.
28	MC3437P	22		MON	2.4%	.40*†	0.0	5.0	625m	0	70	K2233	M117y	Hex Bus Receiver;Tpd 20ns typ.
29	MC3438L#2	22		MON	2.4%	.40*†	0.0	5.0	625m	0	70	K2138	M200w	Quad Bus Transceiver;Receiver.
30	MC3438P#2	22		MON	2.4%	.40*†	0.0	5.0	625m	0	70	K2138	M117y	Quad Bus Transceiver;Receiver.
31	MC3450L	22		MON	2.4%	.40*†	5.0	5.0	1.0m	0	70	K2235	M191	Quad;w/Common Tri-State Strobe Input.
32	MC3450P	22		MON	2.4%	.40*†	5.0	5.0	1.0m	0	70	K2235	M278	Quad;w/Common Tri-State Strobe Input.
33	MC3452L	22		MON	2.4%	.40*†	5.0	5.0	1.0m	0	70	K2235	M191	Quad;w/Common Tri-State Strobe Input.
34	MC3452P	22		MON	2.4%	.40*†	5.0	5.0	1.0m	0	70	K2235	M278	Quad;w/Common Tri-State Strobe Input.
35	N8T37A	22		MON	2.4	.40*†	0.0	5.0	315m†	0	75	K2233		Hex Bus Rcvr w/Hysteresis-Schmitt Trigger.
36	N8T380A	22		MON	2.4%	.40*†	0.0	5.0	210m†	0	75	K2232	M318	Quad Bus w/Hysteresis-Schmitt Trigger.
37	S8T37A	22		MON	2.4	.40*†	0.0	5.0	315m†	-55	125	K2233		Hex Bus Rcvr w/Hysteresis-Schmitt Trigger.
38	S8T380A	22		MON	2.4%	.40*†	0.0	5.0	210m†	-55	125	K2232	M318	Quad Bus w/Hysteresis-Schmitt Trigger.
39	SN55107AJ	22		MON	2.4%	.40*†	5.0	5.0	132m†	-55	125	K2254	M157b	Dual;tpd 25ns max.
40	SN55107AW	22		MON	2.4%	.40†*	5.5	5.5	670m	-55	125	K2211	FP106	Dual;tpd 25ns max.
41	SN55107BJ	22		MON	2.4%	.40*†	5.0	5.0	132m†	-55	125	K2254b	M157b	Dual;tpd 25ns max.
42▼	SN55107BW	22		MON	2.4%	.40†*	5.0	5.0	132m†	-55	125	K2254b	FP52	Dual;tpd 25ns max.
43	SN55108AW	22		MON	2.4%	.40†*	5.5	5.5	670m	-55	125	K2211	FP106	Dual;tpd 25ns max.
44▼	SN55108BW	22		MON	2.4%	.40†*	5.0	5.0	132m†	-55	125	K2254c	FP52	Dual;tpd 25ns max.
45	SN55115J	22		MON	2.4%	.40*†	0.0	5.0	160m%	-55	125	K2237	M153d	Dual Differential;tpd 50ns max.
46	SN55115SB	22		MON	2.4%	.40*†	0.0	5.0	160m%	-55	125	K2237	FP98a	Dual Differentail;tpd 50ns max.
47	SN75107AJ	22		MON	2.4%	.40*†	5.0	5.0	132m†	0	70	K2254	M157b	Dual;tpd 25ns max.
48	SN75107AN	22		MON	2.4%	.40*†	5.0	5.0	132m†	0	70	K2254	M126e	Dual;tpd 25ns max.
49	SN75107BJ	22		MON	2.4%	.40*†	5.0	5.0	132m†	0	70	K2254b	M157b	Dual;tpd 25ns max.
50	SN75107BN	22		MON	2.4%	.40*†	5.0	5.0	132m†	0	70	K2254b	M126e	Dual;tpd 25ns max.
51	SN75115J	22		MON	2.4%	.40*†	0.0	5.0	160m%	0	70	K2237	M153d	Dual Differential;tpd 75ns max.
52	SN75115N	22		MON	2.4%	.40*†	0.0	5.0	160m%	0	70	K2237	M117x	Dual Differential;tpd 75ns max.
53	SN75115SB	22		MON	2.4%	.40*†	0.0	5.0	160m%	0	70	K2237	FP98a	Dual Differential;tpd 75ns max.
54	SRX1005	22		3DM	2.4%	.40*	15	15	2.0 †	0	70		M378	Serial;Up to 8BCD or Octal Digits.
55#	T174B1	22		MON	2.4%	.40†*	0.0	5.0	360m§	0	75	K2250	M267c	Triple Line Receiver;tpd 30ns max.
56	9615DC	22		MON	2.4%	.45†*	0.0	5.0	250m%	0	75	K2236	M224c	Dual Diff;lo 30mA max;tpd 75ns max.
57	9615PC	22		MON	2.4%	.45†*	0.0	5.0	250m%	0	75	K2236	M357	Dual Diff;lo 30mA max;tpd 75ns max.
58	AM2615DM	22		MON	2.4	.45†*	0.0	5.0	250m%	-55	125	K2236a	M224c	Dual Diff;lo 30mA max;tpd 50ns max.
59	AM2615FM	22		MON	2.4	.45†*	0.0	5.0	250m%	-55	125	K2236a	FP79b	Dual Diff;lo 30mA max;tpd 50ns max.
60	DM7820D	22		MON	2.51%	.40*†	0.0	5.0	600m	-55	125	K0533	M75f	Line Receiver.
61	DM7820J	22		MON	2.5%	.40*†	15	15	600m	-55	125	K0533	M294f	Dual Line Receiver;Response time 40ns.
62	DM7820W	22		MON	2.5%	.40†*	15	15	600m	-55	125	K0533	FP97	Dual Line Receiver;Response time 40ns.
63	DM7822D	22		MON	2.5%	.40†*	0.0	5.0	600m	-55	125	K2231	M75f	Dual;Response time 125ns max;Vi ±30V.
64	DM7822J	22		MON	2.5%	.40†*	0.0	5.0	600m	-55	125	K2231	M257c	Dual;Response time 125ns max;Vi ±30V.
65	DM8820J	22		MON	2.5%	.40†*	15	15	600m	0	70	K0533	M294f	Dual Line Receiver;Response time 40ns.
66	DM8820N	22		MON	2.51%	.40*†	15	15	600m	0	70	K0533	M344	Dual line receiver; Response time 40ns.
67	DM8820W	22		MON	2.5%	.40†*	15	15	600m	0	70	K0533	FP97	Dual Line Receiver;Response time 40ns.
68	DM8822N	22		MON	2.5%	.40†*	0.0	5.0	600m	0	70	K2231	M344	Dual;Response time 125ns max;Vi ±30V.
69▼	DS78LS20J	22		MON	2.5%	.40*†	0.0	5.0	600m	-55	125	K2242	M257c	Dual Differential.
70▼	DS78LS20W	22		MON	2.5%	.40*†	0.0	5.0	600m	-55	125	K2242	FP97c	Dual Differential.
71▼	DS88LS20J	22		MON	2.5%	.40*†	0.0	5.0	600m	0	70	K2242	M257c	Dual Differential.
72▼	DS88LS20N	22		MON	2.5%	.40*†	0.0	5.0	600m	0	70	K2242	M344	Dual Differential.
73▼	DS7820J	22		MON	2.5%	.40*†	0.0	5.0	600m	-55	125	K2242	M257c	Dual;tr 40ns;tf 150ns.
74▼	DS7820W	22		MON	2.5%	.40*†	0.0	5.0	600m	-55	125	K2242	FP97c	Dual;tr 40ns;tf 150ns.
75▼	DS8820J	22		MON	2.5%	.40*†	0.0	5.0	600m	0	70	K2242	M257c	Dual;tr 40ns;tf 150ns.
76▼	DS8820N	22		MON	2.5%	.40*†	0.0	5.0	600m	0	70	K2242	M344	Dual;tr 40ns;tf 150ns.
77▼	DS8820W	22		MON	2.5%	.40*†	0.0	5.0	600m	0	70	K2242	FP97c	Dual;tr 40ns;tf 150ns.
78	HD1S246	22		MON	2.5%	.45*†	5.0	5.0	63m§	-55	125	K2225a	M75k	Triple;tpd 30ns.
79	HD1S248	22		MON	2.5%	.45*†	5.0	5.0	69 §	-55	125	K2225b	M75k	Triple Party Line Rcvr;tpd 30ns.
80	HD1S249	22		MON	2.5%	.45*†	5.0	5.0	69m§	-55	125	K2225	M75k	Triple Line RCVR;tpd 30ns.
81	HD1S546	22		MON	2.5%	.45*†	5.0	5.0	69m§	0	75	K2225a	M75k	Triple;tpd 30ns.
82	HD1S548	22		MON	2.5%	.45*†	5.0	5.0	75m§	0	75	K2225b	M75k	Triple Party Line RCVR;tpd 30ns.
83	HD1S549	22		MON	2.5%	.45*†	5.0	5.0	75m§	0	75	K2225	M75k	Triple Line RCVR;tpd 30ns.
84	HD9V246	22		MON	2.5%	.45*†	5.0	5.0	63m§	-55	125	K2225a	T086	Triple;tpd 30ns.
85	HD9V248	22		MON	2.5%	.45*†	5.0	5.0	69m§	-55	125	K2225b	T086	Triple Party Line RCVR;tpd 30ns.
86	HD9V249	22		MON	2.5%	.45*†	5.0	5.0	69m§	-55	125	K2225	T086	Triple Line RCVR;tpd 30ns.
87	HD9V546	22		MON	2.5%	.45*†	5.0	5.0	69m§	0	75	K2225a	T086	Triple Line RCVR;tpd 30ns.
88	HD9V548	22		MON	2.5%	.45*†	5.0	5.0	75m§	0	75	K2225b	T086	Triple Party Line RCVR;tpd 30ns.
89	HD9V549	22		MON	2.5%	.45*†	5.0	5.0	75m§	0	75	K2225	T086	Triple Line RCVR;tpd 30ns.
90	N8T14B	22		MON	2.6%	.40*†	0.0	5.0	380m†	0	75	K2215	M317	Triple;FO 10;ton and toff 20ns typ.
91	N8T14F	22		MON	2.6%	.40*†	0.0	5.0	380m†	0	75	K2215	M200v	Triple;FO 10;ton and toff 20ns typ.
92	N8T14W	22		MON	2.6%	.40*†	0.0	5.0	380m†	0	75	K2215	FP47g	Triple;FO 10;ton and toff 20ns typ.
93	N8T16A	22			2.6%	.40*†	5.0	5.0	150m	0	75	K2214	M105ak	Vth 1.1V;Tpd 150ns max;Inp V ±25V.
94	N8T16F	22		MON	2.6%	.40†*	0.0	5.0	150m	0	75	K2214	M157	Vth 1.1V;tpd 150ns max;Vi ±25V.
95▼	N8T24F	22		MON	2.6%	.40†*	0.0	5.0	380m§	0	75	K2215	M200j	Triple Line Receiver;tpd 30ns max.
96	S8T14B	22		MON	2.6%	.40*†	0.0	5.0	380m†	-55	125	K2215	M317	Triple;FO 10;ton and toff 20ns typ.
97	S8T14F	22		MON	2.6%	.40*†	0.0	5.0	380m†	-55	125	K2215	M200v	Triple;FO 10;ton and toff 20ns typ.
98	S8T14W	22		MON	2.6%	.40*†	0.0	5.0	380m†	-55	125	K2215	FP47g	Triple;FO 10;ton and toff 20ns typ.
99	MC1489AF	22		MON	2.6%	.45*†	0.0	5.0	130m†	0	75	K223	M200x	Quad;tpd 85ns;tr 175ns,tf 20ns,max.
100	MC1489F	22		MON	2.6%	.45*†	0.0	5.0	130m†	0	75	K223	M200x	Quad;tpd 85ns;tr 175ns,tf 20ns,max.
101	SG1489AJ	22		MON	2.6%†	.45*	0.0	5.0	130m†	0	75	K223	M105ap	Tpd 85nS max;Quad Line Rec.
102	SG1489J	22		MON	2.6%	.45*	0.0	5.0	130m†	0	75	K223	M105ap	Tpd 85nS max;Quad Line Rec.
103	SN75189AJ	22		MON	2.6%	.45*	0.0	5.0	1.0	0	75	K223	M157b	Quad;tpd 175ns max.
104	SN75189AN	22		MON	2.6%	.45*	0.0	5.0	1.0	0	75	K223	M126e	Quad;tpd 175ns max.
105	SN75189J	22		MON	2.6%	.45*	0.0	5.0	1.0	0	75	K223	M157b	Quad;tpd 175ns max.
106	SN75189N	22		MON	2.6%	.45*	0.0	5.0	1.0	0	75	K223	M126e	Quad;tpd 175ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1#	T172B1	22		MON	2.6%	1.5*	0.0	5.0	150m†	0	75	K2249	M126s	Quad Line Receiver;tpd 12ns max.
2▼	N75S107A	22	55M%	MON	2.7%	.50*†	5.0	5.0	600m	0	70	K2211	M318	High Speed Dual;tpd 17ns max;Gv 5.0V/mV.
3▼	N75S107F	22	55M%	MON	2.7%	.50*†	5.0	5.0	600m	0	70	K2211	M257f	High Speed Dual;tpd 17ns max;Gv 5.0V/mV.
4	RC8T14M	22		MON	2.8%	.40†*	0.0	5.0	380m§	0	75	K2215	M495	Triple;tpd 30ns max;tf 50ns max.
5	RC8T14MP	22		MON	2.8%	.40†*	0.0	5.0	380m§	0	75	K2215	M267a	Triple;tpd 30ns max;tf 50ns max.
6	RM8T14L	22		MON	2.8%	.40†*	0.0	5.0	380m§	-55	125	K2215	FP47f	Triple;tpd 30ns max;tf 50ns max.
7	RM8T14M	22		MON	2.8%	.40†*	0.0	5.0	380m§	-55	125	K2215	M495	Triple;tpd 30ns max;tf 50ns max.
8	RM8T14MP	22		MON	2.8%	.40†*	0.0	5.0	380m	-55	125	K2215	M267a	Triple;tpd 30ns max;Inp.Latch Volt 5.5Vmin
9	SN75138J	22		MON	2.9%	.80*	0.0	5.0	250m†	0	70	K2257	M153d	Quad Bus Transceiver.
10	SN75138N	22		MON	2.9%	.80*	0.0	5.0	250m†	0	70	K2257	M117x	Quad Bus Transceiver.
11	9620DM	22		MON	3.0%	.40†*	0.0	5.0	105m%	-55	125	K15144	M297d	Dual Diff;lo 30mA max;tpd 50ns max.
12	9620FM	22		MON	3.0%	.40†*	0.0	5.0	105m%	-55	125	K15144	FP106	Dual Diff;lo 30mA max;tpd 50ns max.
13	9620DC	22		MON	3.0%	.45†*	0.0	5.0	110m%	0	75	K15144	M297d	Dual Diff;lo 30mA max;tpd 75ns max.
14	9620PC	22		MON	3.0%	.45†*	0.0	5.0	110m%	0	75	K15144	M344a	Dual Diff;lo 30mA max;tpd 75ns max.
15▼	DS75154J	22		MON	3.0%	-3.0*	0.0	5.0	175m	0	70	K2241	M200k	Quadruple;tpd 22ns typ.
16▼	DS75154N	22		MON	3.0%	-3.0*	0.0	5.0	175m	0	70	K2241	M345	Quadruple;tpd 22ns typ.
17#	M54654P	22		MON	3.0%	-3.0*	0.0	5.0	720m%	0	75	F0229	M153b	Transition Time 9.0ns max;tpd 22ns max.
18	SN75154J	22		MON	3.0%	-3.0*	0.0	5.0	100m%	0	70	K2241	M153d	Quad;tpd 22ns typ.
19	SN75154N	22		MON	3.0%	-3.0*	0.0	5.0	100m%	0	70	K2241	M117x	Quad;tpd 22ns typ.
20	ITT9615-1	22		MON	3.2	.18	0.0	5.0	250m§	-55	125	K2243		Dual Differential;tpd 50ns max.
21	SN55138J	22		MON	3.2%	.80*	0.0	5.0	250m†	-55	125	K2257	M153d	Quad Bus Transceiver.
22	9620FC	22		MON	3.3	.25†	0.0	12	110m†	0	75	K15144	FP28c	Dual Differential;tpd 75ns max.
23	9622DC	22		MON	3.3	.25†	10	5.0	125m%	0	75	K15185	M157	Dual;tpd 50ns max.
24	9622DM	22		MON	3.3	.25†	10	5.0	125m%	-55	125	K15185	M157	Dual;tpd 50ns max.
25	9622FC	22		MON	3.3	.25†	10	5.0	125m%	0	75	K15185	FP28c	Dual;tpd 100ns max.
26	9622FM	22		MON	3.3	.25†	10	5.0	125m%	-55	125	K15185	FP28c	Dual;tpd 50ns max.
27	ITT9615-5	22		MON	3.3	.25	0.0	5.0	250m§	0	75	K2243		Dual Differentail;tpd 75ns max.
28	RC9622D	22		MON	3.3	.25†	10	5.0	225m§	0	70	K2228	M312	Dual;tpd 100ns max;Vth 2.0V max.
29	RM9622D	22		MON	3.3	.25†	10	5.0	225m§	0	70	K2228	M312	Dual;tpd 50ns max;Vth 2.0V max.
30	RM9622J	22		MON	3.3	.25†	10	5.0	225m§	-55	125	K2228	FP28f	Dual;tpd 50ns max;Vth 2.0V max.
31	N8T24B	22		MON	3.4	.20†	0.0	5.0	380m†	0	75	K2215	M317	Triple Line Receiver.
32	N8T24W	22		MON	3.4	.20†	0.0	5.0	380m†	0	75	K2215	FP47g	Triple Line Receiver.
33	RC8T24M	22		MON	3.4%	.20†	0.0	5.0	380m§	0	70	K2215	M495	Triple;tpd 30ns max;Vi Latch 5.5V min.
34	RC8T24MP	22		MON	3.4%	.20†	0.0	5.0	380m§	0	70	K2215	M267a	Triple;tpd 30ns max;Vi Latch 5.5V min.
35	RM8T24M	22		MON	3.4%	.20†	0.0	5.0	380m§	-55	125	K2215	M495	Triple;tpd 30ns max;Vi Latch 5.5V min.
36	TR1602A#1	22	320k	MOS	3.5%	.80*	12	5.0		0	70	K2248	M454	Asynchronous Receiver/Transmitter.
37	TR1602B#1	22	320k	MOS	3.5%	.80*	12	5.0		0	70	K2248	M454	Asynchronous Receiver/Transmitter.
38	PR1472B	22	640k	MOS	3.5%	.80*	12	5		0	70	K2247	M454	Programmable Syn/Asynchronous Receiver.
39	RC1489AD	22		MON	4.0	.20†	0.0	5.0	130m§	0	75	K223	M312	Quad;tpd 85ns max;tr 175ns max.
40	RC1489D	22		MON	4.0	.20†	0.0	5.0	130m§	0	75	K223	M312	Quad;tpd 85ns max;tr 175ns max.
41	S1757#2	22	160kΔ	MOS	4.0%	.50*	12	5.0		0	70	K2116	M268	Univ.Asynchronous Receiver/Transmitter.
42	S1883#2	22		MOS	4.0%	.80*	12	5.0		0	70	K2165	M504	Univ. Asynchronous Receiver Transmitter.
43	I415	22	5.0M	PCB	5.0	0.0	4.8	5.2	205m	0	70		CB☑	Differential Line Receivers.
44	MC2259L	22	640kΔ	MOS	-1.5%	-4.1*	12	0.0	500m	0	75	K2229	M316	Terminal Receiver.
45▼	DS7822J	22		MON	-2.0%	2.0*	0.0	5.0	600m	-55	125	K2231	M257c	Dual Inverting;tr 125ns max.
46▼	DS8822N	22		MON	-2.0%	2.0*	0.0	5.0	600m	0	70	K2231	M344	Dual Inverting;tr 125ns max.
47▼	DH3468CN	23		MON					2.5	0	85			Quad PNP Core Driver;tr 30ns;tf 30ns.
48▼	DH3724CD	23		MON					1.0	0	85			Quad NPN Core Driver;ton 35ns;toff 60ns.
49▼	DH3724CN	23		MON					1.0	0	85			Quad NPN Core Driver;ton 35ns;toff 60ns.
50▼	DH6376CD	23		MON					1.0	0	85			Quad NPN Core Driver;ton 20ns;toff 40ns.
51	MH0009CG	23		MOS			0.0	5.0	1.5	0	85	K233	CN18	2 Phase;High rep rate 2MHz.
52	MH0009G	23		MOS			0.0	5.0	1.5	-55	125	K233	CN18	2 Phase;High rep rate 2MHz.
53	MH7807N	23		MON						-55	125	K2326	M239a	2-Phase Oscillator/Clock Driver.
54	MH8807N	23		MON						0	70	K2326	M239a	2-Phase Oscillator/Clock Driver.
55	NC0009	23	2.0M	MOH			20	0.0	1.8	-55	125	K233	CN48f	Dual phase MTOS;Ton 20ns; Toff 40ns.
56	NC0009C	23	2.0M	MOH			20	0.0	1.8	0	70	K233	CN48f	Dual phase MTOS;Ton 20ns; Toff 40ns.
57	MC1023P	23		MON	-.75%	-1.6*	5.2	0.0	250m†	0	75	K235	TO116	Dual 4-Input OR/NOR;tpd 2.0ns†.
58	MC1223F	23		MON	-.75%	-1.6*	5.2	0.0	250m†	-55	125	K235	TO86	Dual 4-Input OR/NOR;tpd 2.0ns†.
59	MC1223L	23		MON	-.75%	-1.6*	5.2	0.0	250m†	-55	125	K235	TO116	Dual 4-Input OR/NOR;tpd 2.0ns†.
60#	SP1023	23		MON	-.75	-1.6†	5.2	0.0	250m†	0	75	K235	M257a	Dual 4 Input Or/Nor.
61♦#	SP1026	23		MON	-.75	-1.6†	5.2	0.0	140m†	0	75	K2330	M257a	Dual 3-4 Input Trans Line and Clock Dr.
62#	SP1223	23		MON	-.75	-1.6†	5.2	0.0	250m†	-55	125	K235	M257a	Dual 4 Input Or/Nor.
63♦#	SP1226	23		MON	-.75	-1.6†	5.2	0.0	140m†	-55	125	K2330	M257a	Dual 3-4 Input Trans Line and Clock Dr.
64	MC1026P	23		MON	-.85%	-1.5*	5.2	0.0	140m†	0	75	K235a	TO116	Dual 3-4Input Transmission Line Driver.
65	MC1226F	23		MON	-.85%	-1.5*	5.2	0.0	140m†	-55	125	K235a	TO86	Dual 3-4Input Transmission Line Driver.
66	MC1226L	23		MON	-.85%	-1.5*	5.2	0.0	140m†	-55	125	K235a	TO116	Dual 3-4 Input Transmission Line Driver.
67	MH0026CF	23		MOS	1.5	.60	20	20		0	85	K2315	FP2e	2 Phase;High rep rate 5MHz.
68	MH0026CG	23		MOS	1.5	.60	20	20	1.5	0	85	K2315a	CN48t	Vi 5.5V;tpd 15ns max;tr 12ns;tf 10ns.
69	MH0026CH	23		MOS	1.5	.60	20	20	600m	0	85	K2315	CN13	Vi 5.5V;tpd 15ns max;tr 12ns;tf 10ns.
70	MH0026CJ	23		MOS	1.5	.60	20	20		0	85	K2315	M294f	2 Phase;High rep rate 5MHz.
71	MH0026CN	23		MOS	1.5	.60	20	20	1.5	0	85	K2315	M239a	Vi 5.5V;tpd 15ns max;tr 12ns;tf 10ns.
72	MH0026F	23		MOS	1.5	.60	20	20		-55	125	K2315	FP2e	2 Phase;High rep rate 5MHz.
73	MH0026G	23		MOS	1.5	.60	20	20	1.5	-55	125	K2315a	CN48t	Vi 5.5V;tpd 15ns max;tr 12ns;tf 10ns.
74	MH0026H	23		MOS	1.5	.60	20	20	600m	-55	125	K2315	CN13	Vi 5.5V;tpd 15ns max;tr 12ns;tf 10ns.
75	MH0026J	23		MOS	1.5	.60	20	20		-55	125	K2315	M294f	2 Phase;High rep rate 5MHz.
76	IM5003CDD	23		MOS	1.5	18.5†	0.0	20	1.0	0	75	K257	M247	Quad driver;tr 55ns max;tf 90ns max.
77	IM5003CPD	23		MOS	1.5	18.5†	0.0	20	800m	0	75	K257	M223b	Quad driver;tr 55ns max;tf 90ns max.
78	IM5003CTC	23		MOS	1.5	18.5†	0.0	20	1.5	0	75	K257a	CN48j	Quad driver;tr 55ns max;tf 90ns max.
79	IM5003MDD	23		MOS	1.5	18.5†	0.0	20	1.0	-55	125	K257	M247	Quad driver;tr 55ns max;tf 90ns max.
80	IM5003MTC	23		MOS	1.5	18.5†	0.0	20	1.5	-55	125	K257a	CN48j	Quad driver;tr 55ns max;tf 90ns max.
81	IM5013CDD	23		MOS	1.5	18.5†	0.0	20	1.0	0	75	K257b	M247a	Tpd 7.0ns;tr 17ns;tf 20ns.
82	IM5013CTC	23		MOS	1.5	18.5†	0.0	20	1.5	0	75	K257c	CN48j	Dual driver;tr 40ns max;tf 55ns max.
83	IM5013MDD	23		MOS	1.5	18.5†	0.0	20	1.0	-55	125	K257b	M247a	Tpd 7.0ns;tr 17ns;tf 20ns.
84	IM5013MTC	23		MOS	1.5	18.5†	0.0	20	1.5	-55	125	K257c	CN48j	Dual driver;tr 40ns max;tf 55ns max.
85	ICH7201CDD	23	3.0M	MOS	1.7	.90	0.0	5.0	1.0	0	70	K2311	TO116	2 Phase;Ton 40ns;Toff 40ns;Tpd 40ns.
86	ICH7201CGC	23	3.0M	MOS	1.7	.90	0.0	5.0	1.5	0	70	K2311a	CN48q	2 Phase;Ton 40ns;Toff 40ns;Tpd 40ns.
87	ICH7201MDD	23	3.0M	MOS	1.8	.90	0.0	5.0	1.0	-55	125	K2311	TO116	2 Phase;Ton 40ns;Toff 40ns;Tpd 40ns.
88	ICH7201MGC	23	3.0M	MOS	1.8	.90	0.0	5.0	1.5	-55	125	K2311a	CN48q	2 Phase;Ton 40ns;Toff 40ns;Tpd 40ns.
89▼	DS1671H	23		MOS	2.0%	.40*	0.0	20	525m	-55	125	K2335a	CN13	Bootstrapped 2 Phase;tpd12ns;tr31ns;tf38ns
90▼	DS1671J	23		MOS	2.0%	.40*	0.0	20	1.1	-55	125	K2335a	M257c	Bootstrapped 2 Phase;tpd12ns;tr31ns;tf38ns
91▼	DS3671H	23		MOS	2.0%	.40*	0.0	20	525m	0	70	K2335a	CN13	Bootstrapped 2 Phase;tpd12ns;tr31ns;tf38ns
92▼	DS3671J	23		MOS	2.0%	.40*	0.0	20	1.1	0	70	K2335a	M257c	Bootstrapped 2 Phase;tpd12ns;tr31ns;tf38ns
93▼	DS3671N	23		MOS	2.0%	.40*	0.0	20	890m	0	70	K2335a	M239a	Bootstrapped 2 Phase;tpd12ns;tr31ns;tf38ns
94	MH0012CG	23		MOS	2.0*	.40%	0.0	5.0	1.5	0	85	K2321	CN18	High Rep rate 10MHz at 18V,100pF.
95	MH0012G	23		MOS	2.0*	.40%	0.0	5.0	1.5	-55	125	K2321	CN18	High Rep rate 10MHz at 18V,100pF.
96▼	DS0026CG	23	5.0M	MOS	2.0%	.40*			2.0m	0	70	K2334	CN48u	2 Phase MOS;tr 50ns max;tf 40ns max.
97▼	DS0026CH	23	5.0M	MOS	2.0%	.40*			2.0m	0	70	K2334	CN13	2 Phase MOS;tr 50ns max;tf 40ns max.
98▼	DS0026CJ	23	5.0M	MOS	2.0%	.40*			2.0m	0	70	K2334	M257c	2 Phase MOS;tr 50ns max;tf 40ns max.
99▼	DS0026CN	23	5.0M	MOS	2.0%	.40*			2.0m	0	70	K2334	FP97c	2 Phase MOS;tr 50ns max;tf 40ns max.
100▼	DS0026G	23	5.0M	MOS	2.0%	.40*			2.0m	-55	125	K2334	CN48u	2 Phase MOS;tr 50ns max;tf 40ns max.
101▼	DS0026H	23	5.0M	MOS	2.0%	.40*			2.0m	-55	125	K2334	CN13	2 Phase MOS;tr 50ns max;tf 40ns max.
102▼	DS0026J	23	5.0M	MOS	2.0%	.40*			2.0m	-55	125	K2334	M257c	2 Phase MOS;tr 50ns max;tf 40ns max.
103▼	DS0026N	23	5.0M	MOS	2.0%	.40*			2.0m	-55	125	K2334	M239a	2 Phase MOS;tr 50ns max;tf 40ns max.
104▼	DS0026W	23	5.0M	MOS	2.0%	.40*			2.0m	-55	125	K2334	FP97c	2 Phase MOS;tr 50ns max;tf 40ns max.
105▼	DS0056CG	23	5.0M	MOS	2.0%	.40*			2.0m	0	70	K2335	CN48u	2 Phase MOS;tr 50ns max;tf 40ns max.
106▼	DS0056CH	23	5.0M	MOS	2.0%	.40*			2.0m	0	70	K2335	CN13	2 Phase MOS;tr 50ns max;tf 40ns max.
107▼	DS0056CJ	23	5.0M	MOS	2.0%	.40*			2.0m	0	70	K2335	M257c	2 Phase MOS;tr 50ns max;tf 40ns max.
108▼	DS0056CN	23	5.0M	MOS	2.0%	.40*			2.0m	0	70	K2335	M239a	2 Phase MOS;tr 50ns max;tf 40ns max.
109▼	DS0056G	23	5.0M	MOS	2.0%	.40*			2.0m	-55	125	K2335	CN48u	2 Phase MOS;tr 50ns max;tf 40ns max.
110▼	DS0056H	23	5.0M	MOS	2.0%	.40*			2.0m	-55	125	K2335	CN13	2 Phase MOS;tr 50ns max;tf 40ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	DS0056J	23	5.0M	MOS	2.0%	.40*			2.0m	-55	125	K2335	M257c	2 Phase MOS;tr 50ns max;tf 40ns max.
2▼	DS0056N	23	5.0M	MOS	2.0%	.40*			2.0m	-55	125	K2335	M239a	2 Phase MOS;tr 50ns max;tf 40ns max.
3▼	uPB246D	23		MOS	2.0%	.60*	0.0	12.6		0	70	K2319	M512a	Quad;tpd 50ns.
4▼	DS1642H	23		MOS	2.0%	.80*	0.0	12	525m	-55	125	K2332a	CN13	Dual Bootstrapped MOS;tpd 30ns max.
5▼	DS1642J	23		MOS	2.0%	.80*	0.0	12	1.1	-55	125	K2332a	M257c	Dual Bootstrapped MOS;tpd 30ns max.
6▼	DS1645J	23		MOS	2.0%	.80*	0.0	5.0	1.1	-55	125	K2336	M200k	Hex Tri-State MOS Latch/Drivers.
7▼	DS1646J	23		MOS	2.0%	.80*	0.0	5.0	1.1	-55	125	K2337	M200k	6-Bit Tri-State Refresh Counter/Driver.
8▼	DS1649J	23		MOS	2.0%	.80*	0.0	5.0	1.1	-55	125	K2333	M200k	Hex Tri-State MOS Drivers.
9▼	DS1672H	23		MOS	2.0%	.80*	0.0	12	525m	-55	125	K2332	CN13	Dual Bootstrapped MOS;tpd 30ns max.
10▼	DS1672J	23		MOS	2.0%	.80*	0.0	12	1.1	-55	125	K2332	M257c	Dual Bootstrapped MOS;tpd 30ns max.
11▼	DS1675J	23		MOS	2.0%	.80*	0.0	5.0	1.1	-55	125	K2336	M200k	Hex Tri-State MOS Latch/Drivers.
12▼	DS1676J	23		MOS	2.0%	.80*	0.0	5.0	1.1	-55	125	K2337	M200k	6-Bit Tri-State Refresh Counter/Driver.
13▼	DS1679J	23		MOS	2.0%	.80*	0.0	5.0	1.1	-55	125	K2333a	M200k	Hex Tri-State MOS Drivers.
14▼	DS3642H	23		MOS	2.0%	.80*	0.0	12	525m	0	70	K2332a	CN13	Dual Bootstrapped MOS;tpd 30ns max.
15▼	DS3642J	23		MOS	2.0%	.80*	0.0	12	1.1	0	70	K2332a	M257c	Dual Bootstrapped MOS;tpd 30ns max.
16▼	DS3642N	23		MOS	2.0%	.80*	0.0	12	890m	0	70	K2332a	M239a	Dual Bootstrapped MOS;tpd 30ns max.
17▼	DS3643J	23		MOS	2.0%	.80*	0.0	12	1.1	0	70	K2339	M257c	Decoded Quad MOS;tpd 25ns max.
18▼	DS3643N	23		MOS	2.0%	.80*	0.0	12	1.0	0	70	K2339	M344	Decoded Quad MOS;tpd 25ns max.
19▼	DS3644J	23		MOS	2.0%	.80*	0.0	12	1.1	0	70	K2338a	M200k	Quad MOS;tpd 20ns max.
20▼	DS3644N	23		MOS	2.0%	.80*	0.0	12	1.0	0	70	K2338a	M345	Quad MOS;tpd 20ns max.
21▼	DS3645J	23		MOS	2.0%	.80*	0.0	5.0	1.1	0	70	K2336	M200k	Hex Tri-State MOS Latch/Drivers.
22▼	DS3645N	23		MOS	2.0%	.80*	0.0	5.0	1.0	0	70	K2336	M345	Hex Tri-State MOS Latch/Drivers.
23▼	DS3646J	23		MOS	2.0%	.80*	0.0	5.0	1.1	0	70	K2337	M200k	6-Bit Tri-State Refresh Counter/Driver.
24▼	DS3646N	23		MOS	2.0%	.80*	0.0	5.0	1.0	0	70	K2337	M345	6-Bit Tri-State Refresh Counter/Driver.
25▼	DS3649J	23		MOS	2.0%	.80*	0.0	5.0	1.1	0	70	K2333	M200k	Hex Tri-State MOS Drivers.
26▼	DS3649N	23		MOS	2.0%	.80*	0.0	5.0	1.0	0	70	K2333	M345	Hex Tri-State MOS Drivers.
27▼	DS3672H	23		MOS	2.0%	.80*	0.0	12	525m	0	70	K2332	CN13	Dual Bootstrapped MOS;tpd 30ns max.
28▼	DS3672J	23		MOS	2.0%	.80*	0.0	12	1.1	0	70	K2332	M257c	Dual Bootstrapped MOS;tpd 30ns max.
29▼	DS3672N	23		MOS	2.0%	.80*	0.0	12	890m	0	70	K2332	M239a	Dual Bootstrapped MOS;tpd 30ns max.
30▼	DS3673J	23		MOS	2.0%	.80*	0.0	12	1.1	0	70	K2339	M257c	Decoded Quad MOS;tpd 25ns max.
31▼	DS3673N	23		MOS	2.0%	.80*	0.0	12	1.0	0	70	K2339	M344	Decoded Quad MOS;tpd 25ns max.
32▼	DS3674J	23		MOS	2.0%	.80*	0.0	12	1.1	0	70	K2338	M200k	Quad MOS;tpd 20ns max.
33▼	DS3674N	23		MOS	2.0%	.80*	0.0	12	1.0	0	70	K2338	M345	Quad MOS;tpd 20ns max.
34▼	DS3675J	23		MOS	2.0%	.80*	0.0	5.0	1.1	0	70	K2336	M200k	Hex Tri-State MOS Latch/Drivers.
35▼	DS3675N	23		MOS	2.0%	.80*	0.0	5.0	1.0	0	70	K2336	M345	Hex Tri-State MOS Latch/Drivers.
36▼	DS3676J	23		MOS	2.0%	.80*	0.0	5.0	1.1	0	70	K2337	M200k	6-Bit Tri-State Refresh Counter/Driver.
37▼	DS3676N	23		MOS	2.0%	.80*	0.0	5.0	1.0	0	70	K2337	M345	6-Bit Tri-State Refresh Counter/Driver.
38▼	DS3679J	23		MOS	2.0%	.80*	0.0	5.0	1.1	0	70	K2333a	M200k	Hex Tri-State MOS Drivers.
39▼	DS3679N	23		MOS	2.0%	.80*	0.0	5.0	1.0	0	70	K2333a	M345	Hex Tri-State MOS Drivers.
40▼	DS16149J	23		MOS	2.0%	.80*	0.0	5.0	1.1	-55	125	K2333	M200k	Hex MOS Driver;tpd 25ns max.
41▼	DS16179J	23		MOS	2.0%	.80*	0.0	5.0	1.1	-55	125	K2333a	M200k	Hex MOS Driver;tpd 25ns max.
42▼	DS36149J	23		MOS	2.0%	.80*	0.0	5.0	1.1	0	70	K2333	M200k	Hex MOS Driver;tpd 25ns max.
43▼	DS36149N	23		MOS	2.0%	.80*	0.0	5.0	1.0	0	70	K2333	M345	Hex MOS Driver;tpd 25ns max.
44▼	DS36179J	23		MOS	2.0%	.80*	0.0	5.0	1.1	0	70	K2333a	M200k	Hex MOS Driver;tpd 25ns max.
45▼	DS36179N	23		MOS	2.0%	.80*	0.0	5.0	1.0	0	70	K2333a	M345	Hex MOS Driver;tpd 25ns max.
46▼#	FLY181-74120	23		MON	2.0%	.80*	0.0	5.0	450m§	0	70	K2312	M117w	Dual Pulse Synchronizer;tpd 25ns max.
47▼#	FLY185-84120	23		MON	2.0%	.80*	0.0	5.0	450m§	-25	85	K2312	M117w	Dual Pulse Synchroniz;tpd 25ns max.
48	MC3460L	23		MON	2.0	.80	0.0	17	1.0	0	70	K2318	M200w	Gate Controlled 4 Ch MOS Clock Drivers.
49	MC3460P	23		MON	2.0	.80	0.0	17	830m	0	70	K2318	M117y	Gate Controlled 4 Ch MOS Clock Drivers.
50	MC3466L	23		MON	2.0	.80	0.0	17	1.0m	0	70	K2318	M200w	Gate Controlled 4 Ch MOS Clock Drivers.
51	MC3466P	23		MON	2.0	.80	0.0	17	830m§	0	70	K2318	M117y	Gate Controlled 4 Ch MOS Clock Drivers.
52	MC75365L	23		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2319	M200w	Quad MOS Clock Driver;tpd 31ns typ.
53	MC75365P	23		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2319	M117y	Quad MOS Clock Driver;tpd 31ns typ.
54	SN54120J	23		MON	2.0%	.80*	0.0	5.0	255m%	-55	125	K2312	M153d	Dual Pulse SYNC/Driver.
55	SN54120W	23		MON	2.0%	.80*	0.0	5.0	255m%	-55	125	K2312	Δ004AG	Dual Pulse Sync/Driver.
56	SN74120J	23		MON	2.0%	.80*	0.0	5.0	255m%	0	70	K2312	M153d	Dual Pulse SYNC/Driver.
57	SN74120N	23		MON	2.0%	.80*	0.0	5.0	255m%	0	70	K2312	M117x	Dual Pulse Sync/Driver.
58▼	ATF474	23	3.0M	TFH	2.0%	.80*	12	5.0	457m	0	100	k2327	M524	Dual MOS;tr and tf 40ns.
59	SH0013HC	23		MOS	2.0*	-3.0%†	12	5.0	1.5	0	85	K2317	CN48s	2-Phase MOS Clock Drivers.
60	SH0013HM	23		MOS	2.0*	-3.0%†	12	5.0	1.5	-55	125	K2317	CN48s	2-Phase MOS Clock Drivers.
61	MH0007CH	23		MOS	2.2%	.80*	0.0	5.0	800m	0	85	K232	CN38	Transition Time 75ns typ;High Spd 5MHz.
62	MH0007H	23		MOS	2.2%	.80*	0.0	5.0	800m	-55	125	K232	CN38	Transition Time 75ns typ;High Spd 5MHz.
63	NH0009	23	2.0M	MOH	2.2%	.80*	3.0	5.0	1.0	-55	125	K15230	CN48a	Ton 10nsec;tr 40nsec;tf 120nsec.
64	NH0009C	23	2.0M	MOH	2.2%	.80*	3.0	5.0	1.0	0	70	K15230	CN48a	Ton 10nsec;tr 40nsec;tf 120nsec.
65	NC0007	23	5.0M	MOH	2.2%	.80*	25	5.0		-55	125	K232	CN43b	TTL to MTOS;VOH 2.0min;VOL4.0min;Ton75ns.
66	NC0007C	23	5.0M	MOH	2.2%	.80*	25	5.0		0	70	K232	CN43b	TTL to MTOS;VOH 2.0min;VOL4.0min;Ton75ns.
67	NH0007	23	5.0M	MOH	2.2%	.80*	0.0	5.0		-55	125	K0534	CN☑	TTL or DTL Voltage level;VOh-4.0V;Vol 2.0V
68	NH0007C	23	5.0M	MOH	2.2%	.80*	0.0	5.0		0	70	K0534	CN☑	TTL or DTL Voltage level;VOh-4.0V;Vol 2.0V
69	NH0012	23	10M	MOH	2.2%	.80*	17	1.5	1.0	-55	125	K231	CN48a	Ton 10nsec;tr 10nsec;tf 15nsec.
70	NH0012C	23	10M	MOH	2.2%	.80*	17	1.5	1.0	0	70	K231	CN48a	Ton 10nsec;tr 10nsec;tf 15nsec.
71▼	DS7803J	23	600k	MON	2.4%	.30*†	0.0	17	18m	-55	125	K2323	M257c	2 Phase Oscillator/Clock Driver;TTL.
72	MH7803J	23	600k	MOS	2.4%	.30*†	0.0	7.0	1.4	-55	125	K2323	M294f	2 Phase Oscillator/Clock Driver.
73	MH7803N	23	600k	MOS	2.4%	.30*†	0.0	7.0	800m	-55	125	K2323	M344	2 Phase Oscillator/Clock Driver.
74▼	DS7807J	23	2.0M%	MON	2.4%	.30*†	0.0	17	18m	-55	125	K2323	M257c	2 Phase Oscillator/Clock Driver;TTL.
75▼	DS8803J	23	600k	MON	2.4%	.40*†	0.0	17	18m	0	70	K2323	M257c	2 Phase Oscillator/Clock Driver;TTL.
76▼	DS8803N	23	600k	MON	2.4%	.40*†	0.0	17	18m	0	70	K2323	M344	2 Phase Oscillator/Clock Driver;TTL.
77▼	DS8813N	23	600k	MON	2.4%	.40*†	0.0	17	18m	0	70	K2331	M239a	2 Phase Oscillator/Clock Driver;TTL.
78	MH8803J	23	600k	MOS	2.4%	.40*†	0.0	7.0	1.4	0	70	K2323	M294f	2 Phase Oscillator/Clock Driver.
79	MH8803N	23	600k	MOS	2.4%	.40*†	0.0	7.0	800m	0	70	K2323	M344	2 Phase Oscillator/Clock Driver.
80▼	DS8807J	23	2.0M%	MON	2.4%	.40*†	0.0	17	18m	0	70	K2323	M257c	2 Phase Oscillator/Clock Driver;TTL.
81▼	DS8807N	23	2.0M%	MON	2.4%	.40*†	0.0	17	18m	0	70	K2323	M344	2 Phase Oscillator/Clock Driver;TTL.
82▼	DS8817N	23	2.0M%	MON	2.4%	.40*†	0.0	17	18m	0	70	K2331	M239a	2 Phase Oscillator/Clock Driver;TTL.
83	MMH0026CG	23	10M	MOS	2.5%	.40*	0.0	20	680m	-55	125	K2316	TO99	Dual MOS Clock Driver.
84	MMH0026CL	23	10M	MOS	2.5%	.40*	0.0	20	1.0	-55	125	K2316	TO116	Dual MOS Clock Driver.
85	MMH0026CP1	23	10M	MOS	2.5%	.40*	0.0	20	830m	0	85	K2316	M293	Dual MOS Clock Driver.
86	MMH0026G	23	10M	MOS	2.5%	.40*	0.0	20	680m	-55	125	K2316	TO99	Dual MOS Clock Driver.
87	MMH0026L	23	10M	MOS	2.5%	.40*	0.0	20	1.0	-55	125	K2316	TO116	Dual MOS Clock Driver.
88	NC611	23	10M	MOH	2.8%	.70*	27	5.0	1.8	-55	125	K234	CN48f	Single phase; Ton 15ns; Toff 20ns.
89	MH8808J	23		MOS	3.0%	.50*†	15	7.0	1.0	0	70	K2324	M200	Dual;18ns typ delay and 20ns typ tr,tf.
90	MH8808N	23		MOS	3.0%	.50*†	15	7.0	1.0	0	70	K2324	M345	Dual;18ns typ delay and 20ns typ tr,tf.
91	MC1585L	23		MOS	3.7%	-13*†	0.0	5.0	1.0	-55	125	K2313	TO116	Dual 2Input;tr 75ns;tf 50ns.
92♦	CH1037	23		MOS	4.0%	-11*†	12	5.0	650m	-25	85	K239	M219	Quad Clock Line Driver Extender.
93♦	CH1032	23	8.0MΔ	MOS	4.0%	-11*†	12	5.0	500m	-25	85	K236a	M158a	tr 60ns;tf 60ns.
94♦	CH1036	23	8.0MΔ	MOH	4.0%	-11*†	12	5.0	275m	-25	85	K238	M219	Dual;tr 35ns;tf 35ns.
95▼	CH1033#2	23	10MΔ	MOH	4.0%	-15*†	15	5.0	500m	-25	85	K236	M219	Universal;tr 30ns;tf 30ns.
96▼	DS0025CH	23		MOS	-1.0%	1.5*†				0	85	K2322	CN13	2 Phase MOS;tr 50ns max;tf 250ns max.
97▼	DS0025CN	23		MOS	-1.0%	1.5*†				0	85	K2322	M239a	2 Phase MOS;tr 50ns max;tf 250ns max.
98▼	DS0025H	23		MOS	-1.0%	1.5*†				-55	125	K2322	CN13	2 Phase MOS;tr 50ns max;tf 250ns max.
99	MH0025CH	23		MOS	-1.0%	1.5*†	0.0	5.0	800m	0	85	K2322	CN71b	2 phase;Rep rate 1.0MHz,1000pF.
100	MH0025CN	23		MOS	-1.0%	1.5*†	0.0	5.0	1.0	0	85	K2322	M239b	2 phase;Rep rate 1.0MHz,1000pF.
101	MH0025H	23		MOS	-1.0%	1.5*†	0.0	5.0	800m	-55	125	K2322	CN71b	2 phase;Rep rate 1.0MHz,1000pF.
102▼	CH1033#1	23	10MΔ	MOH	-1.0%	-28*†	28	0.0	750m	-25	85	K236	M219	Universal;tr 30ns;tf 30ns.
103	NH0013	23	5.0M	MOH	-1.5	1.5†	20	30	15	-55	125	K15230a	CN48a	DTL,TTL Driven;VOH 1.5V;VOL-1.5V.
104	NH0013C	23	5.0M	MOH	-1.5	1.5†	20	30	15	0	70	K15230a	CN48a	DTL,TTL Driven;VOH 1.5V;VOL-1.5V.
105	MH0013CG	23		MOS	-3.0%	2.0*†	0.0	5.0	1.5	0	85	K2317	CN18	2 phase;High rep rate 5MHz.
106	MH0013G	23		MOS	-3.0%	2.0*†	0.0	5.0	1.5	-55	125	K2317	CN18	2 phase;High rep rate 5MHz.
107#	M002T1	23		MOS	-9.0%	2.0*	27	0.0	500m	0	70	K2320	TO100	4 Phase P-Chan;tr 100ns max;tf 200ns max.
108♦	CH1034	23	3.0MΔ	MOS	11.5%	-12*†	12	12	120m	-25	70	K237	M219	Two Phase;tr 25ns;tf 30ns.
109▼	CH1041M	23		MOH	14.5	.70†	0.0	15	1.0	-55	125	K2329	M219	Dual;tr 30ns;tf 30ns.
110▼	CH1041P	23		MOH	14.5	.70†	0.0	15	500m	-25	85	K2329	M219	Dual;tr 30ns;tf 30ns.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	CH1044M	23		MOH	14.5	.70†	0.0	15	1.0	-55	125	K2329a	M219	Dual;tr 25ns;tf 25ns.
2▼	CH1044P	23		MOH	14.5	.70†	0.0	15	500m	-25	85	K2329a	M219	Dual;tr 25ns;tf 25ns.
3▼	CH1038	23	2.0MΔ	MOS	17%	2.7*†	0.0	20	500m	-25	85	K2328	M219	tr 50ns;tf 45ns.
4	DH3467CD	23		MON	40☑%	.55#			2.5	0	85	K2325	M297a	Quad PNP Core Driver;ton 18ns;toff 45ns.
5	DH3467CN	23		MON	40☑%	.55#			2.5	0	85	K2325	M344	Quad PNP Core Driver;ton 18ns;toff 45ns.
6	DH3725CD	23		MON	50☑%	.55#			600m	0	85	K271	M297a	Quad NPN Core Driver;ton 18ns;toff 45ns.
7	DH3725CN	23			50☑%	.55#			600m	0	85	K271	M344	Quad NPN Core Driver;ton 18ns;toff 45ns.
8	D125MDD	24		MON		.19*%	20	0.0	750m	-55	125	K247	TO116	6 Channel; Ton 250ns max; Toff 920ns max.
9	D125IDD	24		MON		.40*%	20	0.0	500m	-20	85	K247	TO116	6 Channel; Ton 500ns max; Toff 1.5us max.
10	D125IFD	24		MON		.40*%	20	0.0	500m	-20	85	K247	TO86	6 Channel; Ton 500ns max; Toff 1.5us max.
11	D123MDD	24		MON		-19*%	20	0.0	750m	-55	125	K248	TO116	6 Channel; Ton 250ns max; Toff 920ns max.
12	D123MFD	24		MON		-19*%	20	0.0	750m	-55	125	K248	TO86	6 Channel; Ton 250ns max; Toff 800ns max
13	D125MFD	24		MON		-19*%	20	0.0	750m	-55	125	K247	TO86	6 Channel; Ton 250ns max; Toff 800ns max.
14	D125AL	24		MON	.50	4.6	20	0.0	750m	-55	125	K247	TO86	6 Channel FET;ton 500ns;toff 1.2us.
15♦	D125AP	24		MON	.50	4.6	20	0.0	750m	-55	125	K247	M535	6 Channel FET;ton 500ns;toff 1.2us.
16	D125BL	24		MON	.50	4.6	20	0.0	750m	-20	85	K247	TO86	6 Channel FET;ton 500ns;toff 1.5us.
17▼	D125BP	24		MON	.50	4.6	20	0.0	500m	-20	85	K247	M535	6 Channel FET;ton 500ns;toff 1.5us.
18	D130AA	24	5.0M	MOS	1.4	.70	0.0	10	750M	-55	125	K15237	TO100	Dual FET Driver;Ton 150ns;Toff 150ns.
19	D130AL	24	5.0M	MOS	1.4	.70	0.0	10	450M	-55	125	K15237	TO91	Dual FET Driver;Ton 150ns;Toff 150ns
20	D130BA	24	5.0M	MOS	1.4	.70	0.0	10	750M	-20	85	K15237	TO100	Dual FET Driver;Ton 150ns;Toff 150ns
21	D130BL	24	5.0M	MOS	1.4	.70	0.0	10	450M	-20	85	K15237	TO91	Dual FET Driver;Ton 150ns;Toff 150ns
22	CDR125AL	24	500k	MOS	2.4	.50	20	5.5	500m	-55	125	K247	TO86	6 Channel FET Driver.
23	CDR125AP	24	500k	MOS	2.4	.50	20	5.5	500m	-55	125	K247	TO116	6 Channel FET Switch Driver;ton 500ns max.
24▼	ATF456	24		TFH	2.4%	.80*	12	5.0	260m	-55	125	K2410	FP39f	PIN Diode Driver For Switch Microwave.
25▼	ATF466#1	24		TFH	3.5	.40	12	12	350m	-55	125	K2411	FP123	Inverting Microwave Pin Diode Driver.
26▼	ATF466#2	24		TFH	3.5	.40	12	5.0	200m	-55	125	K2411	FP123	Inverting Microwave Pin Diode Driver.
27▼	ATF468	24		TFH	4.3%	.40%	12	12	700m	-55	125	K2413	FP39g	Dual Driver for Pin Diode Switch.
28▼	ATF467#1	24		TFH	4.7	.40	12	12	350m	-55	125	K2412	FP123	Non-Inverting Microwave Pin Diode Driver.
29▼	ATF467#2	24		TFH	4.7	.40	12	5.0	200m	-55	125	K2412	FP123	Non-Inverting Microwave Pin Diode Driver.
30	D129AL	24		MOS	5.0	0.0	30	5.0	750m	-55	125	K15192	TO86	4 Channel FET;tpd 800ns max;Is 3.0mA max.
31♦	D129AP	24		MOS	5.0	0.0	30	5.0	750m	-55	125	K15192	M535	4 Channel FET;tpd 800ns max;Is 3.0mA max.
32	D129BL	24		MOS	5.0	0.0	20	5.0	500m	-20	85	K15192	TO86	4 Channel MOS FET;tpd 1.0us max.
33▼	D129BP	24		MOS	5.0	0.0	20	5.0	500m	-20	85	K15192	M535	4 Channel MOSFET;tpd 1.0us max.
34	D139AL	24		MON	5.0	0.0	0.0	5.0	750m	-55	125	K249a	TO86	2-Channel FET Switch Driver.
35▼	D139AP	24		MON	5.0	0.0	20	5.0	450m	-55	125	K249	M535	2 Channel FET Switch Driver.
36	D139BL	24		MON	5.0	0.0	0.0	5.0	750m	-20	85	K249a	TO86	2-Channel FET Switch Driver.
37▼	D139BP	24		MON	5.0	0.0	20	5.0	750m	-20	85	K249a	M535	2 Channel FET Switch Driver.
38	D139CJ	24		MON	5.0	0.0	0.0	5.0	470m	0	70	K249	TO116	2-Channel FET Switch Driver.
39	D112MDD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K242	TO116	2 channel; Ton 250ns max; Toff 1.5us max.
40	D112MFD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K242	TO86	2 channel; Ton 250ns max; Toff 1.5us max.
41	D113MDD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K243	TO116	2 channel; Ton 250ns max; Toff 1.5us max.
42	D113MFD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K243	TO86	2 channel; Ton 250ns max; Toff 1.5us max.
43	D120MDD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K242	TO116	2 Channel; Ton 250ns max; Toff 600ns max.
44	D120MFD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K242	TO86	2 Channel; Ton 250ns max; Toff 600ns max.
45	D121MDD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K243	TO116	2 Channel; Ton 250ns max; Toff 600ns max.
46	D121MFD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K243	TO86	2 Channel; Ton 250ns max; Toff 600ns max.
47	G116CDD	24		MOS	-2.0%		20	0.0	750m	0	70	K3813a	TO116	5 Channel;Rds(on)125Ω max;Id(off)-5.0nAmax
48	G116CFD	24		MOS	-2.0%		20	0.0	750m	0	70	K3813a	TO86	5 Channel;Rds(on)125Ω max;Id(off)-5.0nAmax
49	G116MFD	24		MOS	-2.0%		20	0.0	750m	-55	125	K3813a	TO86	5 Channel;Rds(on)100Ω max;Id(off)-2.5nA mx
50	G117CDD	24		MOS	-2.0%		20	0.0	750m	0	70	K3813	TO116	5 Channel;Rds(on)125Ω max;Id(off)-500nAmax
51	G117CFD	24		MOS	-2.0%		20	0.0	750m	0	70	K3813	TO86	5 Channel;Rds(on)125Ω max;Id(off)-500nAmax
52	G117MDD	24		MOS	-2.0%		20	0.0	750m	-55	125	K3813	TO116	5 Channel;Rds(on)100Ω max;Id(off)-.50nAmax
53	G117MFD	24		MOS	-2.0%		20	0.0	750m	-55	125	K3813	TO86	5 Channel;Rds(on)100Ω max;Id(off)-.50nAmax
54	G118CDD	24		MOS	-2.0%		20	0.0	750m	0	70	K3814	TO116	6 Channel;Rds(on)125Ω max;Id(off)-6.0nAmax
55	G118CFD	24		MOS	-2.0%		20	0.0	750m	0	70	K3814	TO86	6 Channel;Rds(on)125Ω max;Id(off)-6.0nAmax
56	G118MDD	24		MOS	-2.0%		20	0.0	750m	-55	125	K3814	TO116	6 Channel;Rds(on)100Ω max;Id(off)-3.0nAmax
57	G118MFD	24		MOS	-2.0%		20	0.0	750m	-55	125	K3814	TO86	6 Channel;Rds(on)100Ω max;Id(off)-3.0nAmax
58	G119CDD	24		MOS	-2.0%		20	0.0	750m	0	70	K3815	TO116	6 Channel;Rds(on)125Ω max;Id(off)-3.0nAmax
59	G119CFD	24		MOS	-2.0%		20	0.0	750m	0	70	K3815	TO86	6 Channel;Rds(on)125Ω max;Id(off)-3.0nAmax
60	G119MDD	24		MOS	-2.0%		20	0.0	750m	-55	125	K3815	TO116	6 Channel;Rds(on)100Ω max;Id(off)-1.5nAmax
61	G119MFD	24		MOS	-2.0%		20	0.0	750m	-55	125	K3815	TO86	6 Channel;Rds(on)100Ω max;Id(off)-1.5nAmax
62	D123AL	24		MON	10	.40	20	0.0	750m	-55	125	K248	TO86	6 Channel FET;ton 500ns;toff 1.0us.
63	D123AP	24		MON	10	.40	20	0.0	750m	-55	125	K248	TO116	6 Channel FET;ton 500ns;toff 1.0us.
64	D123BL	24		MON	10	.40	20	0.0	750m	-20	85	K248	TO86	6 Channel FET;ton 500ns;toff 1.0us.
65	D123BP	24		MON	10	.40	20	0.0	750m	-20	85	K248	TO116	6 Channel FET;ton 500ns;toff 1.0us.
66	G116MDD	24			-20%		20	0.0	750m	-55	125	K3813a	TO116	5 Channel;Rds(on)100Ω max;Id(off)-2.5nAmax
67	60088	25		TTL			12	12		-55	70	K2517	M☑	Current Driver;Input Signals 0-4V.
68	MH8804N	25		MOS						0	70	K2546	M345	Quad MOS Memory Driver.
69	MH8805N	25		MOS						0	70	K2547	M239a	Dual MOS Memory Driver.
70	MM54C908D	25		MOS						-55	125	K2541	M496	Dual High Voltage CMOS Driver.
71	MM74C908N	25		MOS						0	70	K2541	M239b	Dual High Voltage CMOS Driver.
72	SN55329RA	25		MON			0.0	12	30m†	-55	110	K2539	FP112	MSI 8-Channel Core Memory Driver.
73	MN204	25		MOH	.20*		0.0	6.0	400m	-55	125	K1038	FP62	Quad Power Driver;Vo 40V;Io 300mA.
74	NH0016CN	25		MOH	.85	1.9	0	5.0	455m	0	70	K251	M150	Current driver;VOH1.8V;VOL.45V;IO 8.0mA.
75	NH0018CN	25		MOH	.85	1.9	0	5.0	455m	0	70	K251	M150	Current driver;VOH1.8V;VOL.45V;IO 8.0mA.
76	SH2200P	25		MOH	.85	1.9	0	5.0	455m	0	70	K251	M150	Current driver;VOH1.8V;VOL.45V;IO 8.0mA.
77	SH2001	25		MOH	1.1	1.9	0	5.5	800m	-55	125	K251	TO100	Current driver;VOH5.5V;VOL4.5V;IO 8.0mA.
78	SH2002	25		MOH	1.1	1.9	0	5.0	800m	0	70	K251	TO100	Current driver;VOH5.0V;VOL5.0V;IO 8.0mA.
79	SH2002P	25		MOH	1.1	1.9	0.0	5.0	800m	0	70	K251	M150	Current driver;Volt 5.0;Vol 4.5V;Io 8.0mA.
80▼	MC8505P	25		MON	1.4%	1.0*	0.0	5.0	280m	0	70	K15586	M278	MOS Dyn Memory Address Refresh Logic Ckt.
81	DH0035CG	25		MON	1.5%	.40*	10	10	1.5	0	85	K2544	CN48t	PIN Diode Switch Driver.
82	DH0035G	25		MON	1.5%	.40*	10	10	1.5	-55	125	K2544	CN48t	PIN Diode Switch Driver.
83	SH2200FM	25		MON	1.7	.90	0.0	5.0	575m	-55	125	K251	FP26h	High Voltage,High Current Driver.
84	SH2200HM	25		MON	1.7	.90	0.0	5.0	680m	-55	125	K251	TO100	High Voltage,High Current Driver.
85	9644DC	25		MON	1.7%	1.1*	0.0	5.0	150m	0	75	K1264	M200	Dual High Voltage,High Current Driver.
86	9644DM	25		MON	1.7%	1.1*	0.0	5.0	150m	-55	125	K1264	M200	Dual High Voltage,High Current Driver.
87	DH0016CN	25		MON	1.8	.85	0.0	5.0	455m	0	70	K251	M498	Hi Volt-Hi Current Lamp Driver.
88	DH0017CN	25		MON	1.8	.85	0.0	5.0	455m	0	70	K251	M498	Hi Volt-Hi Current Lamp Driver.
89	DH0018CN	25		MON	1.8	.85	0.0	5.0	455m	0	70	K251	M498	Hi Volt-Hi Current Lamp Driver.
90	SH2200FC	25		MON	1.8	.85	0.0	5.0	575m	-55	125	K251	FP26h	High Voltage,High Current Driver.
91	SH2200HC	25		MON	1.8	.85	0.0	5.0	680m	-55	125	K251	TO100	High Voltage,High Current Driver.
92	SH2200PC	25		MON	1.8	.85	0.0	5.0	455m	0	70	K251	M150	High Voltage,High Current Driver.
93	DH0011CH	25		MON	1.9	1.1	0.0	5.0	800m	0	70	K251	CN63	Hi Volt-Hi Current Lamp Driver.
94	DH0011CN	25		MON	1.9	1.1	0.0	5.0	800m	0	70	K251	M344	Hi Volt-Hi Current Lamp Driver.
95	DH0011H	25		MON	1.9	1.1	0.0	5.0	800m	-55	125	K251	CN63	Hi Volt-Hi Current Lamp Driver.
96	SH2001FC	25		MON	1.95%	.45*†	0.0	5.0	570m	0	70	K251	FP26h	High Voltage,High Current Driver.
97	SH2001HC	25		MON	1.95%	.45*†	0.0	5.0	680m	0	70	K251	TO100	High Voltage,High Current Driver.
98	SH2002FC	25		MON	1.95%	.45*†	0.0	5.0	800m	0	70	K251	FP26h	DTL;High Power Driver.
99	SH2002HC	25		MON	1.95%	.45*†	0.0	5.0	800m	0	70	K251	TO100	DTL;High Power Driver.
100	SH2002PC	25		MON	1.95%	.45*†	0.0	5.0	800m	0	70	K251	M150	DTL;High Power Driver.
101	SH2002FM	25		MON	2.0%	.40*†	0.0	5.0	800m	-55	125	K251	FP26h	DTL;High Power Driver.
102	SH2002HM	25		MON	2.0%	.40*†	0.0	5.0	800m	-55	125	K251	TO100	DTL;High Power Driver.
103	SH2001FM	25		MON	2.0%	.45*†	0.0	5.0	570m	-55	125	K251	FP26h	High Voltage,High Current Driver.
104	SH2001HM	25		MON	2.0%	.45*†	0.0	5.0	680m	-55	125	K251	TO100	High Voltage,High Current Driver.
105▼	75450BJ	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2550	M157f	Dual Peripheral Driver;Positive AND.
106▼	75450J	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2550	M157f	Dual Peripheral Driver;Positive AND.
107▼	75451BP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2551	M391a	Dual Peripheral Driver;Positive AND.
108▼	75451P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2551	M391a	Dual Peripheral Driver;Positive AND.
109▼	75452BP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2552	M391a	Dual Peripheral Driver;Positive NAND.
110▼	75452P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2552	M391a	Dual Peripheral Driver;Positive NAND.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	75453BP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2553	M391a	Dual Peripheral Driver;Positive OR.
2▼	75453P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2553	M391a	Dual Peripheral Driver;Positive OR.
3▼	75454BP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2554	M391a	Dual Peripheral Driver;Positive NOR.
4▼	75454P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2554	M391a	Dual Peripheral Driver;Positive NOR.
5▼	75460J	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2550	M157f	Dual Peripheral Driver;Positive AND.
6▼	75461P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2551	M391a	Dual Peripheral Driver;Positive AND.
7▼	75462P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2552	M391a	Dual Peripheral Driver;Positive NAND.
8▼	75463P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2553	M391a	Dual Peripheral Driver;Positive OR.
9▼	75464P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2554	M391a	Dual Peripheral Driver;Positive NOR.
10	BHB0007	25			2.0%	.80*	0.0	5.25		0	70	K258		Power Driver Module;Output Current 5.0A.
11	BHB0007A	25			2.0%	.80*	0.0	5.25		0	70	K258		Power Driver Module;Output Current 5.0A
12	BHB0008	25			2.0%	.80*	0.0	5.25		0	70	K258		Power Driver Module;Output Current 10A.
13	BHB0008A	25			2.0%	.80*	0.0	5.25		0	70	K258		Power Driver Module;Output Current 10A.
14	DH0006CH	25		MON	2.0%	.80*	0.0	28	35m	0	70	K2548	CN63a	Relay/Lamp Driver.
15	DH0006CN	25		MON	2.0%	.80*	0.0	28	35m	0	70	K2548	M498	Relay/Lamp Driver.
16	DH0006H	25		MON	2.0%	.80*	0.0	28	35m	-55	125	K2548	CN63a	Relay/Lamp Driver.
17	DH0008CH	25		MON	2.0%	.80*	0.0	28	35m	0	70	K2542	CN63a	Hi Current(Incandescent Lamp)Driver.
18	DH0008CN	25		MON	2.0%	.80*	0.0	28	35m	0	70	K2542	M498	Hi Current(Incandescent Lamp)Driver.
19	DH0008H	25		MON	2.0%	.80*	0.0	28	35m	-55	125	K2542	CN63a	Hi Current(Incandescent Lamp)Driver.
20	DH0028CH	25		MON	2.0%	.80*	0.0	28	35m	0	70	K2543	CN63a	Hi Current Hammer Driver.
21	DH0028CN	25		MON	2.0%	.80*	0.0	28	35m	0	70	K2543	M498	Hi Current Hammer Driver.
22▼	DS1611H	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2521	CN13	Dual Peripheral Driver.
23▼	DS1612H	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2522	CN13	Dual Peripheral Driver.
24▼	DS1613H	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2523	CN13	Dual Peripheral Driver.
25▼	DS1614H	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2524	CN13	Dual Peripheral Driver.
26▼	DS1640J	25		MOS	2.0%	.80*	0.0	5.0	1.1	-55	125	K2559	M257c	Quad MOS Tri-Share Port Drivers.
27▼	DS1670J	25		MOS	2.0%	.80*	0.0	5.0	1.1	-55	125	K2559	M257c	Quad MOS Tri-Share Port Drivers.
28▼	DS3611H	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2521	CN13	Dual Peripheral Driver.
29▼	DS3611N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2521	M239a	Dual Peripheral Driver.
30▼	DS3612H	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2522	CN13	Dual Peripheral Driver.
31▼	DS3612N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2522	M239a	Dual Peripheral Driver.
32▼	DS3613H	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2523	CN13	Dual Peripheral Driver.
33▼	DS3613N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2523	M239a	Dual Peripheral Driver.
34▼	DS3614H	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2524	CN13	Dual Peripheral Driver.
35▼	DS3614N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2524	M239a	Dual Peripheral Driver.
36▼	DS3640J	25		MOS	2.0%	.80*	0.0	5.0	1.1	0	70	K2559	M257c	Quad MOS Tri-Share Port Drivers.
37▼	DS3640N	25		MOS	2.0%	.80*	0.0	5.0	1.0	0	70	K2559	M344	Quad MOS Tri-Share Port Drivers.
38▼	DS3670J	25		MOS	2.0%	.80*	0.0	5.0	1.1	0	70	K2559	M257c	Quad MOS Tri-Share Port Drivers.
39▼	DS3670N	25		MOS	2.0%	.80*	0.0	5.0	1.0	0	70	K2559	M344	Quad MOS Tri-Share Port Drivers.
40▼	DS55325J	25		MON	2.0%	.80*	0.0	15	1.0	-55	125	K2519	M200k	Memory Driver;tpd 50ns max.
41▼	DS55325W	25		MON	2.0%	.80*	0.0	15	1.0	-55	125	K2519	FP98b	Memory Driver;tpd 50ns max.
42▼	DS55450J	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2529	M257c	Dual Peripheral Driver.
43▼	DS55451H	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2530	CN13	Dual Peripheral Driver.
44▼	DS55452H	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2531	CN13	Dual Peripheral Driver.
45▼	DS55453H	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2532	CN13	Dual Peripheral Driver.
46▼	DS55454H	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2533	CN13	Dual Peripheral Driver.
47▼	DS55460J	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2529	M257c	Dual Peripheral Driver.
48▼	DS55461H	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2530	CN13	Dual Peripheral Driver.
49▼	DS55462H	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2531	CN13	Dual Peripheral Driver.
50▼	DS55463H	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2532	CN13	Dual Peripheral Driver.
51▼	DS55464H	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2533	CN13	Dual Peripheral Driver.
52▼	DS75325J	25		MON	2.0%	.80*	0.0	15	1.0	0	70	K2519	M200k	Memory Driver;tpd 50ns max.
53▼	DS75325N	25		MON	2.0%	.80*	0.0	15	1.0	0	70	K2519	M345	Memory Driver;tpd 50ns max.
54▼	DS75450J	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2529	M257c	Dual Peripheral Driver.
55▼	DS75450N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2529	M344	Dual Peripheral Driver.
56▼	DS75451H	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	CN13	Dual Peripheral Driver.
57▼	DS75451N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	M239a	Dual Peripheral Driver.
58▼	DS75452H	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	CN13	Dual Peripheral Driver.
59▼	DS75452N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	M239a	Dual Peripheral Driver.
60▼	DS75453H	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	CN13	Dual Peripheral Driver.
61▼	DS75453N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	M239a	Dual Peripheral Driver.
62▼	DS75454H	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	CN13	Dual Peripheral Driver.
63▼	DS75454N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	M239a	Dual Peripheral Driver.
64▼	DS75460J	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2529	M257c	Dual Peripheral Driver.
65▼	DS75460N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2529	M344	Dual Peripheral Driver.
66▼	DS75461H	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	CN13	Dual Peripheral Driver.
67▼	DS75461N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	M239a	Dual Peripheral Driver.
68▼	DS75462H	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	CN13	Dual Peripheral Driver.
69▼	DS75462N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	M239a	Dual Peripheral Driver.
70▼	DS75463H	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	CN13	Dual Peripheral Driver.
71▼	DS75463N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	M239a	Dual Peripheral Driver.
72▼	DS75464H	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	CN13	Dual Peripheral Driver.
73▼	DS75464N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	M239a	Dual Peripheral Driver.
74▼#	FLL141T49701S1	25		MON	2.0%	.80*	0.0	5.0	300m§	0	70	K2513	M117w	Quad Power Driver;Vo 60V/130mA.
75▼#	FLL145T49801S1	25		MON	2.0%	.80*	0.0	5.0	300m§	-25	85	K2513	M117w	Quad Power Driver;Vo 60V/130mA.
76	HD1A6600-2	25		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K2528	TO116	Quad Power Strobe;tpd 75ns max.
77	HD1A6600-5	25		MON	2.0%	.80*	0.0	5.0	1.0	0	75	K2528	TO116	Quad Power Strobe;tpd 75ns max.
78	HD1A6605-2	25		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K2528	TO116	Quad Logic Strobe;tpd 75ns max.
79	HD1A6605-5	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2528	TO116	Quad Logic Strobe;tpd 75ns max.
80	IM5001MDD	25			2.0%	.80*	0.0	5.0	375m%	-55	125	K256	M236	Quad Driver;IF 1.5mA;IR 100uA;tpd 25ns max
81	IM5011MDD	25			2.0%	.80*	0.0	5.0	375m%	-55	125	K256	M236	Quad Driver;IF 1.5mA;IR 100uA;tpd 25ns max
82	ITT55325	25		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K2519		Memory Driver;tpd 50ns max.
83	ITT75325	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2519		Memory Driver;tpd 50ns max.
84	ITT75450	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2527	M266a	Dual Peripheral Driver;tpd 30ns max.
85	ITT75451	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2521	M266b	Dual Peripheral Driver;tpd 25ns max.
86	ITT75452	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	M266b	Dual Peripheral Driver;tpd 35ns max.
87	ITT75453	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	M266b	Dual Peripheral Driver;tpd 25ns max.
88	ITT75454	25		MON	2.0%	.80*	0.0	5.0	820m	0	70	K2533	M266a	Dual Peripheral Driver;tpd 35ns max.
89	LM350N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2527	M344	Dual Peripheral Driver;tpd 22ns max.
90	LM351N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2523	M239a	Dual Peripheral Driver;tpd 25ns max.
91▼#	M54600P	25		MON	2.0%	.80*	0.0	5.0	800m	0	75	K2529	M105j	Dual Peripheral Positive And Driver.
92#	M54601P	25		MON	2.0%	.80*	0.0	5.0	500m	0	75	K2112	M226b	Dual Peripheral and Driver.
93#	M54602P	25		MON	2.0%	.80*	0.0	5.0	500m	0	75	K2522	M226b	Dual Peripheral NAND Driver
94#	M54603P	25		MON	2.0%	.80*	0.0	5.0	500m	0	75	K2523	M226b	Dual Peripheral OR Driver
95#	M54604P	25		MON	2.0%	.80*	0.0	5.0	500m	0	75	K2524	M226b	Dual Peripheral NOR Driver.
96▼#	M54605P	25		MON	2.0%	.80*	0.0	5.0	800m	0	75	K2534	M105j	Dual Periph Pos NAND Driver w/Sep Trans.
97	MC55325F	25		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K2519	FP85	Dual Memory Driver.
98	MC55325L	25		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K2519	M191	Dual Memory Driver.
99	MC75325F	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2519	FP85	Dual Memory Driver.
100	MC75325L	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2519	M191	Dual Memory Driver.
101	MC75325P	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2519	M278	Dual Memory Driver.
102	MC75451P	25		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2530	M293	Dual Peripheral Drivers.
103	MC75452P	25		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2531	M293	Dual Peripheral Drivers.
104	MC75453P	25		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2532	M293	Dual Peripheral Drivers.
105	MC75454P	25		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2533	M293	Dual Peripheral Drivers.
106	MC75461P	25		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2530	M293	Dual Hi-Volt Peripheral Drivers.
107	MC75462P	25		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2531	M293	Dual Hi-Volt Peripheral Drivers.
108	MC75463P	25		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2532	M293	Dual Hi-Volt Peripheral Drivers.
109	MC75464P	25		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2533	M293	Dual Hi-Volt Peripheral Drivers.
110#	SFC5450AE	25		MON	2.0%	.80*	0.0	5.0		0	70	K2111	TO116	Dual Peripheral Driver.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1#	SFC5451AD	25		MON	2.0%	.80*	0.0	5.0		0	70	K2112	M148	Dual Peripheral Driver.
2#	SFC5452D	25		MON	2.0%	.80*	0.0	5.0		0	70	K2522		Dual interface positive NAND Driver.
3	SN55325J	25		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K2519	M153d	Dual Memory Driver;tpd 50ns.
4	SN55325JB	25		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K2519	M359	Dual Memory Driver;tpd 50ns.
5	SN55325SB	25		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K2519	FP98a	Dual Memory Driver;tpd 50ns.
6▼	SN55325W	25		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K2519	FP93c	Dual Memory Driver;tpd 50ns.
7	SN55326J	25		MON	2.0%	.80*	0.0	7.0	1.0	-55	125	K15423	M153d	Memory Drivers.
8	SN55326JB	25		MON	2.0%	.80*	0.0	7.0	1.0	-55	125	K15423	M359	Memory Drivers.
9	SN55326SB	25		MON	2.0%	.80*	0.0	7.0	1.0	-55	125	K15423	FP98a	Memory Drivers.
10▼	SN55326W	25		MON	2.0%	.80*	0.0	7.0	1.0	-55	125	K15423	FP93c	Memory Driver.
11	SN55327J	25		MON	2.0%	.80*	0.0	7.0	1.0	-55	125	K15424	M153d	Memory Drivers.
12	SN55327JB	25		MON	2.0%	.80*	0.0	7.0	1.0	-55	125	K15424	M359	Memory Drivers.
13	SN55327SB	25		MON	2.0%	.80*	0.0	7.0	1.0	-55	125	K15424	FP98a	Memory Drivers.
14▼	SN55327W	25		MON	2.0%	.80*	0.0	7.0	1.0	-55	125	K15424	FP93c	Memory Driver.
15▼	SN55430J	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2529	TO116	Dual Peripheral Driver 15V;tpd 15ms.
16▼	SN55430W	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2529	FP52	Dual Peripheral Driver 15V;tpd 15ms.
17▼	SN55431JP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2530	M531	Dual Peripheral Driver 15V;tpd 15ms.
18▼	SN55431L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2530	CN46	Dual Peripheral Driver 15V;tpd 15ms.
19▼	SN55432JP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2531	M531	Dual Peripheral Driver 15V;tpd 15ms.
20▼	SN55432L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2531	CN46	Dual Peripheral Driver 15V;tpd 15ms.
21▼	SN55433JP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2542	M531	Dual Peripheral Driver 15V;tpd 15ms.
22▼	SN55433L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2542	CN46	Dual Peripheral Driver 15V;tpd 15ms.
23▼	SN55434JP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2533	M531	Dual Peripheral Driver 15V;tpd 15ms.
24▼	SN55434L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2533	CN46	Dual Peripheral Driver 15V;tpd 15ms.
25▼	SN55450AJ	25		MON	2.0%	.80*	0.0	5.0	55m§	-55	125	K2527	TO116	Dual Peripheral Driver;tpd 22ns max.
26▼	SN55450AW	25		MON	2.0%	.80*	0.0	5.0	55m§	-55	125	K2527	FP52	Dual Peripheral Driver;tpd 22ns max.
27	SN55450BJ	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		M157b	Dual Peripheral Positive-And Driver.
28	SN55450BJB	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		M358	Dual Peripheral Positive-And Driver.
29▼	SN55450BW	25		MON	2.0%	.80*	0.0	5.0	55m§	-55	125	K2527	FP52	Dual Peripheral Driver;tpd 22ns max.
30▼	SN55451AJP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2530	M531	Dual Peripheral Driver 30V.
31▼	SN55451AL	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2530	CN46	Dual Peripheral Driver 30V.
32	SN55451BJP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		M360	Dual Peripheral Positive-And Driver.
33	SN55451BL	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		Δ002AK	Dual Peripheral Positive-And Driver.
34▼	SN55452AJP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2531	M531	Dual Peripheral Driver 30V.
35▼	SN55452AL	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2531	CN46	Dual Peripheral Driver 30V.
36	SN55452BJP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		M360	Dual Peripheral Positive-Nand Driver.
37	SN55452BL	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		Δ002AK	Dual Peripheral Positive-Nand Driver.
38▼	SN55453AJP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2532	M531	Dual Peripheral Driver 30V.
39▼	SN55453AL	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2532	CN46	Dual Peripheral Driver 30V.
40	SN55453BJP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		M360	Dual Peripheral Positive-Or Driver.
41	SN55453BL	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		Δ002AK	Dual Peripheral Positive-Or Driver
42▼	SN55454AJP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2533	M531	Dual Peripheral Driver 30V;Hi Speed.
43▼	SN55454AL	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2533	CN46	Dual Peripheral Driver 30V;Hi Speed.
44	SN55454BJP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		M360	Dual Peripheral Positive-Nor Driver.
45	SN55454BL	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		Δ002AK	Dual Peripheral Positive-Nor Driver.
46▼	SN55460DM	25		MON	2.0%	.80*	0.0	5.0	55m§	-55	125	K2529	TO116	Dual High Volt/Cur Periph Dvr;tpd 65ns max
47▼	SN55460FM	25		MON	2.0%	.80*	0.0	5.0	55m§	-55	125	K2529	FP52	Dual High Volt/Cur Periph Dvr;tpd 65ns max
48	SN55460J	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2529	M157b	Dual Peripheral Positive-And Driver.
49	SN55460JB	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2529	M358	Dual Peripheral Positive-And Driver.
50▼	SN55460W	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2529	FP52	Dual Peripheral Driver 40V.
51▼	SN55461HM	25		MON	2.0%	.80*	0.0	5.0	380m§	-55	125	K2530	TO99	Dual High Volt/Cur Periph Dvr;tpd 55ns max
52	SN55461JP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2530	M360	Dual Peripheral Positive-And Driver.
53	SN55461L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2530	Δ002AK	Dual Peripheral Positive-And Driver.
54▼	SN55461RM	25		MON	2.0%	.80*	0.0	5.0	380m§	-55	125	K2530	M531	Dual High Volt/Cur Periph Dvr;tpd 55ns max
55▼	SN55462HM	25		MON	2.0%	.80*	0.0	5.0	380m§	-55	125	K2531	TO99	Dual Pos NAND Periph Driver;tpd 55ns max.
56	SN55462JP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2531	M360	Dual Peripheral Positive-Nand Driver.
57	SN55462L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2531	Δ002AK	Dual Peripheral Positive-Nand Driver.
58▼	SN55463HM	25		MON	2.0%	.80*	0.0	5.0	380m§	-55	125	K2532	TO99	Dual Pos OR Periph Driver;tpd 55ns max.
59	SN55463JP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2532	M360	Dual Peripheral Positive-Or Driver.
60	SN55463L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2532	Δ002AK	Dual Peripheral Positive-Or Driver.
61▼	SN55463RM	25		MON	2.0%	.80*	0.0	5.0	380m§	-55	125	K2532	M531	Dual Pos OR Periph Driver;tpd 55ns max.
62▼	SN55464HM	25		MON	2.0%	.80*	0.0	5.0	425m§	-55	125	K2533	TO99	Dual Pos NOR Periph Driver;tpd 65ns max.
63	SN55464JP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2533	M360	Dual Peripheral Positive-Nor Driver.
64	SN55464L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2533	Δ002AK	Dual Peripheral Positive-Nor Driver.
65▼	SN55464RM	25		MON	2.0%	.80*	0.0	5.0	425m§	-55	125	K2533	M531	Dual Pos NOR Periph Driver;tpd 65ns max.
66▼	SN55470J	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2529	TO116	Dual Peripheral Driver 50V.
67▼	SN55470W	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2529	FP52	Dual Peripheral Driver 50V.
68▼	SN55471JP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2530	M531	Dual Peripheral Driver 50V.
69▼	SN55471L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2530	CN46	Dual Peripheral Driver 50V.
70▼	SN55472JP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2531	M531	Dual Peripheral Driver 50V.
71▼	SN55472L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2531	CN46	Dual Peripheral Driver 50V.
72▼	SN55473JP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2532	M531	Dual Peripheral Driver 50V.
73▼	SN55473L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2532	CN46	Dual Peripheral Driver 50V.
74▼	SN55474JP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2533	M531	Dual Peripheral Driver 50V.
75▼	SN55474L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2533	CN46	Dual Peripheral Driver 50V.
76	SN75325J	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2519	M153d	Dual Memory Driver;tpd 50ns.
77	SN75325N	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2519	M117x	Dual Memory Driver;tpd 50ns.
78	SN75325SB	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2519	FP98a	Dual Memory Driver;tpd 50ns.
79	SN75326J	25		MON	2.0%	.80*	0.0	7.0	1.0	0	70	K15423	M153a	Memory Driver.
80	SN75326N	25		MON	2.0%	.80*	0.0	7.0	1.0	0	70	K15423	M117	Memory Driver.
81	SN75326SB	25		MON	2.0%	.80*	0.0	7.0	1.0	0	70	K15423	FP98a	Memory Driver.
82	SN75327J	25		MON	2.0%	.80*	0.0	7.0	1.0	0	70	K15424	M153a	Memory Driver.
83	SN75327N	25		MON	2.0%	.80*	0.0	7.0	1.0	0	70	K15424	M117	Memory Driver.
84	SN75327SB	25		MON	2.0%	.80*	0.0	7.0	1.0	0	70	K15424	FP98a	Memory Driver.
85	SN75401ND	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2540	M476	Dual Peripheral Driver.
86	SN75402ND	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2540	M476	Dual Peripheral Driver.
87	SN75403ND	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2540	M476	Dual Peripheral Driver.
88	SN75404ND	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2540	M476	Dual Peripheral Driver.
89▼	SN75430J	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2529	TO116	Dual Peripheral Driver 15V;tpd 15ms.
90▼	SN75430N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2529	M126w	Dual Peripheral Driver 15V;tpd 15ms.
91▼	SN75431JP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	M531	Dual Peripheral Driver 15V;tpd 15ms.
92▼	SN75431L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	CN46	Dual Peripheral Driver 15V;tpd 15ms.
93▼	SN75431P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	M530	Dual Peripheral Driver 15V;tpd 15ms.
94▼	SN75432JP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	M531	Dual Peripheral Driver 15V;tpd 15ms.
95▼	SN75432L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	CN46	Dual Peripheral Driver 15V;tpd 15ms.
96▼	SN75432P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	M530	Dual Peripheral Driver 15V;tpd 15ms.
97▼	SN75433JP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2542	M531	Dual Peripheral Driver 15V;tpd 15ms.
98▼	SN75433L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2542	CN46	Dual Peripheral Driver 15V;tpd 15ms.
99▼	SN75433P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2542	M530	Dual Peripheral Driver 15V;tpd 15ms.
100▼	SN75434JP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	M531	Dual Peripheral Driver 15V;tpd 15ms.
101▼	SN75434L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	CN46	Dual Peripheral Driver 15V;tpd 15ms.
102▼	SN75434P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	M531	Dual Peripheral Driver 15V;tpd 15ms.
103	SN75450AJ	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2111	TO116	Dual Positive-And Peripheral Driver.
104	SN75450AN	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2111	TO116	Dual Positive-And Peripheral Driver.
105	SN75450BJ	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2529	M157b	Dual Peripheral Positive-And Driver.
106	SN75450BN	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2529	M126e	Dual Peripheral Positive-And Driver.
107	SN75450J	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2111	M157	Dual Peripheral Driver;tpd 17ns.
108	SN75450N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2111	M126e	Dual Peripheral Driver;tpd 22ns max.
109▼	SN75451AJP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	M531	Dual Peripheral Driver 30V.
110▼	SN75451AL	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	CN46	Dual Peripheral Driver 30V.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SN75451AP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2112	M248	Dual Peripheral Driver;tpd 45ns max.
2▼	SN75451BJP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	M531	Dual Peripheral Driver 30V.
3	SN75451BL	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2530	Δ002AK	Dual Peripheral Positive-And Driver.
4	SN75451BP	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2530	M226	Dual Peripheral Positive-And Driver.
5	SN75451P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2112	M248	Dual Peripheral Driver;tpd 20ns max.
6▼	SN75452AJP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	M531	Dual Peripheral Driver 30V.
7▼	SN75452AL	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	CN46	Dual Peripheral Driver 30V.
8▼	SN75452AP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	M530	Dual Peripheral Driver 30V.
9▼	SN75452BJP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	M531	Dual Peripheral Driver 30V.
10	SN75452BL	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2531	Δ002AK	Dual Peripheral Positive-Nand Driver.
11	SN75452BP	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2531	M226	Dual Peripheral Positive-Nand Driver.
12	SN75452P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2522	M248	Dual Positive-Nand Peripheral Driver.
13▼	SN75453AJP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	M531	Dual Peripheral Driver 30V.
14▼	SN75453AL	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	CN46	Dual Peripheral Driver 30V.
15▼	SN75453AP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	M530	Dual Peripheral Driver 30V.
16▼	SN75453BJP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	M531	Dual Peripheral Driver 30V.
17	SN75453BL	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2532	Δ002AK	Dual Peripheral Positive-Or Driver.
18	SN75453BP	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2532	M226	Dual Peripheral Positive-Or Driver.
19	SN75453P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2523	M248	Dual Positive-Or Peripheral Driver.
20▼	SN75454AJP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	M531	Dual Peripheral Driver 30V.
21▼	SN75454AL	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	CN46	Dual Peripheral Driver 30V.
22▼	SN75454AP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	M530	Dual Peripheral Driver 30V.
23▼	SN75454BJP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	M531	Dual Peripheral Driver 30V.
24	SN75454BL	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2533	Δ002AK	Dual Peripheral Positive-Nor Driver.
25	SN75454BP	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2533	M226	Dual Peripheral Positive-Nor Driver.
26	SN75454P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2524	M248	Dual Positive-Nor Peripheral Driver.
27	SN75460AJ	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2121	TO116	Dual Positive-And Peripheral Driver.
28	SN75460AN	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2121	TO116	Dual Positive-And Peripheral Driver.
29▼	SN75460DC	25		MON	2.0%	.80*	0.0	5.0	55m§	0	70	K2529	TO116	Dual High Volt/Cur Periph Dvr;tpd 65ns max
30	SN75460J	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2529	M157b	Dual Peripheral Positive-And Driver.
31	SN75460N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2529	M126e	Dual Peripheral Positive-And Driver.
32▼	SN75460PC	25		MON	2.0%	.80*	0.0	5.0	55m§	0	70	K2529	M530	Dual High Volt/Cur Periph Dvr;tpd 65ns max
33	SN75461AP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2521	M248	Dual Positive-And Peripheral Driver.
34▼	SN75461HC	25		MON	2.0%	.80*	0.0	5.0	380m§	0	70	K2530	TO99	Dual High Volt/Cur Periph Dvr;tpd 55ns max
35▼	SN75461JP	25		MON	2.0%	.80*	0.0	5.0	380m§	0	70	K2530	M531	Dual High Volt/Cur Periph Dvr;tpd 55ns max
36	SN75461L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	Δ002AK	Dual Peripheral Positive-And Driver.
37	SN75461P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	M226	Dual Peripheral Positive-And Driver.
38▼	SN75461RC	25		MON	2.0%	.80*	0.0	5.0	380m§	0	70	K2530	M531	Dual Pos AND Periph Driver;tpd 55ns max.
39▼	SN75461TC	25		MON	2.0%	.80*	0.0	5.0	380m§	0	70	K2530	M530	Dual Pos AND Periph Driver;tpd 55ns max.
40	SN75462AP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2522	M248	Dual Positive-Nand Peripheral Driver.
41▼	SN75462HC	25		MON	2.0%	.80*	0.0	5.0	380m§	0	70	K2531	TO99	Dual Pos NAND Periph Driver;tpd 55ns max.
42▼	SN75462JP	25		MON	2.0%	.80*	0.0	5.0	380m§	0	70	K2531	M531	Dual Pos NAND Periph Driver;tpd 55ns max.
43	SN75462L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	Δ002AK	Dual Peripheral Positive-Nand Driver.
44	SN75462P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	M226	Dual Peripheral Positive-Nand Driver.
45▼	SN75462RC	25		MON	2.0%	.80*	0.0	5.0	380m§	0	70	K2531	M531	Dual Pos NAND Periph Driver;tpd 55ns max.
46▼	SN75462RM	25		MON	2.0%	.80*	0.0	5.0	380m§	0	70	K2531	M531	Dual Pos NAND Periph Driver;tpd 55ns max.
47▼	SN75462TC	25		MON	2.0%	.80*	0.0	5.0	380m§	0	70	K2531	M530	Dual Pos NAND Periph Driver;tpd 55ns max.
48	SN75463AP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2523	M248	Dual Positive-Or Peripheral Driver.
49▼	SN75463HC	25		MON	2.0%	.80*	0.0	5.0	380m§	0	70	K2532	TO99	Dual Pos OR Periph Driver;tpd 55ns max.
50▼	SN75463JP	25		MON	2.0%	.80*	0.0	5.0	380m§	0	70	K2532	M531	Dual Pos OR Periph Driver;tpd 55ns max.
51	SN75463L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	Δ002AK	Dual Peripheral Positive-Or Driver.
52	SN75463P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	M226	Dual Peripheral Positive-Or Driver.
53▼	SN75463RC	25		MON	2.0%	.80*	0.0	5.0	380m§	0	70	K2532	M531	Dual Pos OR Periph Driver;tpd 55ns max.
54▼	SN75463TC	25		MON	2.0%	.80*	0.0	5.0	380m§	0	70	K2532	M530	Dual Pos OR Periph Driver;tpd 55ns max.
55	SN75464AP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2524	M248	Dual Positive-Nor Peripheral Driver.
56▼	SN75464HC	25		MON	2.0%	.80*	0.0	5.0	425m§	0	70	K2533	TO99	Dual Pos NOR Periph Driver;tpd 65ns max.
57▼	SN75464JP	25		MON	2.0%	.80*	0.0	5.0	425m§	0	70	K2533	M531	Dual Pos NOR Periph Driver;tpd 65ns max.
58	SN75464L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	Δ002AK	Dual Peripheral Positive-Nor Driver.
59	SN75464P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	M226	Dual Peripheral Positive-Nor Driver.
60▼	SN75464RC	25		MON	2.0%	.80*	0.0	5.0	425m§	0	70	K2533	M531	Dual Pos NOR Periph Driver;tpd 65ns max.
61▼	SN75464TC	25		MON	2.0%	.80*	0.0	5.0	425m§	0	70	K2533	M530	Dual Pos NOR Periph Driver;tpd 65ns max.
62▼	SN75470J	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2529	TO116	Dual Peripheral Driver 50V.
63▼	SN75470N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2529	M126w	Dual Peripheral Driver 50V.
64▼	SN75471JP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	M531	Dual Peripheral Driver 50V.
65▼	SN75471L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	CN46	Dual Peripheral Driver 50V.
66▼	SN75471P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	M530	Dual Peripheral Driver 50V.
67▼	SN75472JP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	M531	Dual Peripheral Driver 50V.
68▼	SN75472L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	CN46	Dual Peripheral Driver 50V.
69▼	SN75472P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	M530	Dual Peripheral Driver 50V.
70▼	SN75473JP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	M531	Dual Peripheral Driver 50V.
71▼	SN75473L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	CN46	Dual Peripheral Driver 50V.
72▼	SN75473P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	M530	Dual Peripheral Driver 50V.
73▼	SN75474JP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	M531	Dual Peripheral Driver 50V.
74▼	SN75474L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	CN46	Dual Peripheral Driver 50V.
75▼	SN75474P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	M530	Dual Peripheral Driver 50V.
76▼#	SP1404	25		MON	2.0	.80	0.0	5.0	450m†	0	70	K2557	M257a	High Voltage Interface Circuit.
77#	T75451AB1	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2521	M456	Dual Peripheral and Driver;tpd 45ns.
78▼	UHC400	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K252a	FP39h	Quad Power Driver;Vo 40V;Io 500mA.
79▼	UHC400-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K252a	FP39h	Quad Power Driver;VO 70V;IO 500mA.
80▼	UHC402	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2516	FP39h	Quad Power Driver;Vo 40V;Io 500mA.
81▼	UHC402-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2516	FP39h	Quad Power Driver;Vo 70V;Io 500mA.
82▼	UHC403	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2526	FP39h	Quad Power Driver;Vo 40V;Io 500mA.
83▼	UHC403-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2526	FP39h	Quad Power Driver;VO 70V;IO 500mA.
84▼	UHC406	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K252f	FP39h	Quad Power Driver;Vo 40V;Io 500mA.
85▼	UHC406-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K252f	FP39h	Quad Power Driver;VO 70V;IO 500mA.
86▼	UHC407	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2514	FP39h	Quad Power Driver;Vo 40V;Io 500mA.
87▼	UHC407-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2514	FP39h	Quad Power Driver;VO 70V;IO 500mA.
88▼	UHC408	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2514b	FP39h	Quad Power Driver;Vo 40V;Io 500mA.
89▼	UHC408-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2514b	FP39h	Quad Power Driver;VO 70V;IO 500mA.
90▼	UHC432	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2515	FP39h	Quad Power Driver;Vo 40V;Io 500mA.
91▼	UHC432-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2515	FP39h	Quad Power Driver;VO 70V;IO 500mA.
92▼	UHC433	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2525	FP39h	Quad Power Driver;Vo 40V;Io 500mA.
93▼	UHC433-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2525	FP39h	Quad Power Driver;VO 70V;IO 500mA.
94▼	UHC500	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K252a	FP39h	Quad Power Driver;Vo 100V;Io 500mA.
95▼	UHC502	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2516	FP39h	Quad Power Driver;Vo 100V;Io 500mA.
96▼	UHC503	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2526	FP39h	Quad Power Driver;Vo 100V;Io 500mA.
97▼	UHC506	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K252f	FP39h	Quad Power Driver;Vo 100V;Io 500mA.
98▼	UHC507	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2514	FP39h	Quad Power Driver;Vo 100V;Io 500mA.
99▼	UHC508	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2514b	FP39h	Quad Power Driver;Vo 100V;Io 500mA.
100▼	UHC532	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2515	FP39h	Quad Power Driver;Vo 100V;Io 500mA.
101▼	UHC533	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2525	FP39h	Quad Power Driver;Vo 100V;Io 500mA.
102▼	UHD400	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K252b	M294h	Quad Power Driver;Vo 40V;Io 500mA.
103▼	UHD400-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K252b	M294	Quad Power Driver;VO 70V;IO 500mA.
104▼	UHD402	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2516a	M294h	Quad Power Driver;Vo 40V;Io 500mA.
105♦	UHD402-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2516a	M294h	Quad Power Driver;Vo 70V;Io 500mA.
106▼	UHD403	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2526a	M294h	Quad Power Driver;Vo 40V;Io 500mA.
107♦	UHD403-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2526a	M294h	Quad Power Driver;VO 70V;IO 500mA.
108▼	UHD406	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K252g	M294h	Quad Power Driver;Vo 40V;Io 500mA.
109♦	UHD406-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K252g	M294h	Quad Power Driver;VO 70V;IO 500mA.
110▼	UHD407	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2514a	M294h	Quad Power Driver;Vo 40V;Io 500mA.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	UHD407-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2514a	M294h	Quad Power Driver;VO 70V;IO 500mA.
2▼	UHD408	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2514c	M294h	Quad Power Driver;Vo 40V;Io 500mA.
3♦	UHD408-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2514c	M294h	Quad Power Driver;VO 70V;IO 500mA.
4▼	UHD432	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2515a	M294h	Quad Power Driver;Vo 40V;Io 500mA.
5♦	UHD432-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2515a	M294h	Quad Power Driver;VO 70V;IO 500mA.
6▼	UHD433	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2525a	M294h	Quad Power Driver;Vo 40V;Io 500mA.
7♦	UHD433-1	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2525a	M294h	Quad Power Driver;VO 70V;IO 500mA.
8▼	UHD500	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K252b	M294h	Quad Power Driver;Vo 100V;Io 500mA.
9▼	UHD502	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2516a	M294h	Quad Power Driver;Vo 100V;Io 500mA.
10▼	UHD503	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2526a	M294h	Quad Power Driver;Vo 100V;Io 500mA.
11▼	UHD506	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K252g	M294h	Quad Power Driver;Vo 100V;Io 500mA.
12▼	UHD507	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2514a	M294h	Quad Power Driver;Vo 100V;Io 500mA.
13▼	UHD508	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2514c	M294h	Quad Power Driver;Vo 100V;Io 500mA.
14▼	UHD532	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2515a	M294h	Quad Power Driver;Vo 100V;Io 500mA.
15▼	UHD533	25		MON	2.0%	.80*	0.0	5.0	145m§	-55	125	K2525a	M294h	Quad Power Driver;Vo 100V;Io 500mA.
16	UHP400	25		MON	2.0%	.80*	0.0	5.0	53m†	0	70	K252b	M126k	Quad Power Driver;Vo 40V;Io 15mA
17	UHP400-1	25		MON	2.0%	.80*	0.0	5.0	53m†	0	70	K252b	M126k	Quad Power Driver;Vo 70V;Io 500mA.
18	UHP402	25		MON	2.0%	.80*	0.0	5.0	55m†	0	70	K2516a	M126k	Dual Power Driver;Vo 40V;Io 500mA
19	UHP402-1	25		MON	2.0%	.80*	0.0	5.0	55m†	0	70	K2516a	M126k	Dual Power Driver;Vo 70V;Io 500mA.
20	UHP403	25		MON	2.0%	.80*	0.0	5.0	55m†	0	70	K2526a	M126k	Quad Power Driver;Vo 40V;Io 500mA.
21	UHP403-1	25		MON	2.0%	.80*	0.0	5.0	55m†	0	70	K2526a	M126k	Quad Power Driver;Vo 70V;Io 500mA.
22	UHP406	25		MON	2.0%	.80*	0.0	5.0	53m†	0	70	K252g	M126k	Quad Power Driver;Vo 40V;Io 500mA
23	UHP406-1	25		MON	2.0%	.80*	0.0	5.0	53m†	0	70	K252g	M126k	Quad Power Driver;Vo 70V;Io 500mA.
24	UHP407	25		MON	2.0%	.80*	0.0	5.0	65m†	0	70	K2514a	M126k	Quad Power Driver;Vo 40V;Io 500mA.
25	UHP407-1	25		MON	2.0%	.80*	0.0	5.0	65m†	0	70	K2514a	M126k	Quad Power Driver;Vo 70V;Io 500mA.
26	UHP408	25		MON	2.0%	.80*	0.0	5.0	65m†	0	70	K2514c	M126k	Quad Power Driver;Vo 40V;Io 500mA.
27	UHP408-1	25		MON	2.0%	.80*	0.0	5.0	65m†	0	70	K2514c	M126k	Quad Power Driver;Vo 70V;Io 500mA.
28	UHP432	25		MON	2.0%	.80*	0.0	5.0	65m†	0	70	K2515a	M126k	Quad Power Driver;Vo 40V;Io 500mA
29	UHP432-1	25		MON	2.0%	.80*	0.0	5.0	65m†	0	70	K2515a	M126k	Quad Power Driver;Vo 70V;Io 500mA.
30	UHP433	25		MON	2.0%	.80*	0.0	5.0	65m†	0	70	K2525a	M126k	Quad Power Driver;Vo 40V;Io 500mA.
31	UHP433-1	25		MON	2.0%	.80*	0.0	5.0	65m†	0	70	K2525a	M126k	Quad Power Driver;Vo 70V;Io 500mA.
32	UHP500	25		MON	2.0%	.80*	0.0	5.0	53m†	0	70	K252b	M126k	Quad Power Driver;Vo 100V;Io 500mA
33	UHP502	25		MON	2.0%	.80*	0.0	5.0	55m†	0	70	K2516a	M126k	Quad Power Driver;Vo 100V;Io 500mA
34	UHP503	25		MON	2.0%	.80*	0.0	5.0	55m†	0	70	K2526a	M126k	Quad Power Driver;Vo 100V;Io 500mA.
35	UHP506	25		MON	2.0%	.80*	0.0	5.0	53m†	0	70	K252g	M126k	Quad Power Driver;Vo 100V;Io 500mA
36	UHP507	25		MON	2.0%	.80*	0.0	5.0	65m†	0	70	K2514a	M126k	Quad Power Driver;Vo 100V;Io 500mA
37	UHP508	25		MON	2.0%	.80*	0.0	5.0	65m†	0	70	K2514c	M126k	Quad Power Driver;Vo 100V;Io 500mA.
38	UHP532	25		MON	2.0%	.80*	0.0	5.0	65m†	0	70	K2515a	M126k	Quad Power Driver;Vo 100V;Io 500mA
39	UHP533	25		MON	2.0%	.80*	0.0	5.0	65m†	-25	85	K2525a	M126k	Quad Power Driver;Vo 100V;Io 500mA.
40#	FLL131-49700	25	1.0M	MON	2.0%	.80*	0.0	5.0	425m§	0	70	K2512	M117w	Dual Gated Power Driver;Vo 30V/400mA.
41#	FLL131T49700S1	25	1.0M	MON	2.0%	.80*	0.0	5.0	425m§	0	70	K2512	M117w	Dual Gated Power Driver;Vo 65V/400mA.
42#	FLL135-49800	25	1.0M	MON	2.0%	.80*	0.0	5.0	425m§	-25	85	K2512	M117w	Dual Gated Power Driver;Vo 30V/400mA.
43#	FLL135T49800S1	25	1.0M	MON	2.0%	.80*	0.0	5.0	425m§	-25	85	K2512	M117w	Dual Gated Power Driver;Vo 65V/400mA.
44#	FLL141-49701	25	1.0M	MON	2.0%	.80*	0.0	5.0	300m§	0	70	K2513	M117w	Quadruple Power Driver;Vo 30V/130mA.
45#	FLL145-49801	25	1.0M	MON	2.0%	.80*	0.0	5.0	300m§	-25	85	K2513	M117w	Quadruple Power Driver;Vo 30V/130mA.
46	IM5001CDD	25			2.0%	.85*	0.0	5.0	375m%	0	75	K256	M236	Quad Driver;IF 1.5mA;IR60uA;tpd 25ns max.
47	IM5011CDD	25			2.0%	.85*	0.0	5.0	375m%	0	75	K256	M236	Quad Driver;IF 1.5mA;IR 60uA;tpd 25ns max
48	NH0008	25		MOH	2.1%	.80*	0.0	28	600m	-55	125	K15167	CN59	High Voltage,High Current Driver.
49	NH0008C	25		MOH	2.1%	.80*	0.0	28	600m	0	70	K15167	CN59	High Voltage,High Current Driver.
50	MN304	25		TFH	2.4	.40	0.0	5.0	750m	0	70	K1038	M244	Quad Power Driver 200mA Load.
51	SG55450BJ	25		MON	2.4%	.40*	0.0	5.0	1.0	-55	125	K2534	TO116	Dual Peripheral Driver,35V,300mA.
52	SG55460J	25		MON	2.4%	.40*	0.0	5.0	1.0	-55	125	K2534	TO116	Dual Peripheral Driver,40V,300mA.
53	SG75450BJ	25		MON	2.4%	.40*	0.0	5.0	1.0	0	70	K2534	TO116	Dual Peripheral Driver,35V,300mA.
54	SG75450BN	25		MON	2.4%	.40*	0.0	5.0	600m	0	70	K2534	M126r	Dual Peripheral Driver,35V,300mA.
55	SG75460J	25		MON	2.4%	.40*	0.0	5.0	1.0	0	70	K2534	TO116	Dual Peripheral Driver,40V,300mA.
56	SG75460N	25		MON	2.4%	.40*	0.0	5.0	600m	0	70	K2534	M126r	Dual Peripheral Driver,40V,300mA.
57▼#	SP762B	25		MON	2.7%	1.0*	0.0	5.0	50m%	0	70	K2555	M257a	5V Power Interface Circuit.
58▼#	SP765B	25		MON	2.7%	1.0*	0.0	5.0	60mΔ	0	70	K2556a	M197e	5V Power Interface Circuit.
59	SN75324J	25		MON	3.5%		0.0	14	800m	0	70	K15277	M153d	Memory Driver.
60▼	DS3629J	25		MOS	3.5%	.80*	0.0	14	600m	0	70	K2560	M200k	Memory Driver with Decode Inputs.
61▼	DS3629N	25		MOS	3.5%	.80*	0.0	14	600m	0	70	K2560a	M344	Memory Driver with Decode Inputs.
62▼	DS75324J	25		MON	3.5%	.80*	0.0	14	800m	0	70	K2560	M200k	Memory Driver w/Decoder Inputs.
63▼	DS75324N	25		MON	3.5%	.80*	0.0	14	800m	0	70	K2560a	M344	Memory Driver w/Decoder Inputs.
64	ITT75324	25		MON	3.5%	.80*	0.0	14	800m	0	70	K2549		Memory Driver w/Decode Inp;tpd 110ns max.
65▼	N75324A	25		MON	3.5%	.80*	0.0	14	800m	0	70	K2549a	M318	Memory Driver w/Decode Inp;tpd 110ns max.
66▼	N75324F	25		MON	3.5%	.80*	0.0	14	800m	0	70	K2549	M257f	Memory Driver w/Decode Inp;tpd 110ns max.
67	SN75324N	25		MON	3.5%	.80*	0.0	14	800m	0	70	K15277	M126e	Memory Driver.
68	US75324A	25		MON	3.5%	.80*	0.0	14	800m	0	70	K15277	M105af	Memory Driver,Vi5.5V;Is 40mA max.
69	US75324G	25		MON	3.5%	.80*	0.0	14	800m	0	70	K15277	FP39b	Memory Driver,Vi5.5V;Is 40mA max.
70	US75324H	25		MON	3.5%	.80*	0.0	14	800m	0	70	K15277	TO116	Memory Driver,Vi5.5V;Is 40mA max.
71	US75324J	25		MON	3.5%	.80*	0.0	14	800m	0	70	K15277	TO88	Memory Driver,Vi5.5V;Is 40mA max.
72♦#	FZL121	25	500	MON	8.0%	6.0*	0.0	20	800m	0	70	K2535	M117aa	Driver w/S.Ckt Protection for Pwr Trans.
73♦#	FZL125	25	500	MON	8.0%	6.0*	0.0	20	800m§	-25	85	K2535	M117aa	Driver w/S.Ckt Protection for Pwr Trans.
74♦#	FZL131	25	500	MON	8.0%	6.0*	0.0	20	800m	0	70	K2536	M117aa	Driver w/S.Ckt Protection for Pwr Trans.
75♦#	FZL135	25	500	MON	8.0%	6.0*	0.0	20	800m§	-25	85	K2536	M117aa	Driver w/S.Ckt Protection for Pwr Trans.
76♦#	FZL141	25	500	MON	8.0%	6.0*	0.0	20	200m§	0	70	K2537	M☑	Driver w/S.Ckt Protection for Pwr Trans.
77♦#	FZL145	25	500	MON	8.0%	6.0*	0.0	20	200m§	-25	85	K2537	M☑	Driver w/S.Ckt Protection for Pwr Trans.
78	W042	25	1.0k	PCB	-3.0	0.0	15	10	20	-20	55		CB31a	Four 10 Amp. Stepping Motors Drivers.
79▼#	SP763B	25		MON	12%	1.2*	0.0	12	60mΔ	0	70	K2556	M197e	12V Power Interface Circuit.
80▼	DS1631H	25		MON	12.5%	2.5*	0.0	15	210m	-55	125	K2558	CN13	CMOS;Dual Peripheral Driver.
81▼	DS1631J	25		MON	12.5%	2.5*	0.0	15	210m	-55	125	K2558	M257c	CMOS;Dual Peripheral Driver.
82▼	DS1632H	25		MON	12.5%	2.5*	0.0	15	270m	-55	125	K2558b	CN13	CMOS;Dual Peripheral Driver.
83▼	DS1632J	25		MON	12.5%	2.5*	0.0	15	270m	-55	125	K2558b	M257c	CMOS;Dual Peripheral Driver.
84▼	DS1633H	25		MON	12.5%	2.5*	0.0	15	240m	-55	125	K2558a	CN13	CMOS;Dual Peripheral Driver.
85▼	DS1633J	25		MON	12.5%	2.5*	0.0	15	240m	-55	125	K2558a	M257c	CMOS;Dual Peripheral Driver.
86▼	DS1634H	25		MON	12.5%	2.5*	0.0	15	270m	-55	125	K2558c	CN13	CMOS;Dual Peripheral Driver.
87▼	DS1634J	25		MON	12.5%	2.5*	0.0	15	270m	-55	125	K2558c	M257c	CMOS;Dual Peripheral Driver.
88▼	DS3631H	25		MON	12.5%	2.5*	0.0	15	210m	0	70	K2558	CN13	CMOS;Dual Peripheral Driver.
89▼	DS3631J	25		MON	12.5%	2.5*	0.0	15	210m	0	70	K2558	M257c	CMOS;Dual Peripheral Driver.
90▼	DS3631N	25		MON	12.5%	2.5*	0.0	15	210m	0	70	K2558	M239a	CMOS;Dual Peripheral Driver.
91▼	DS3632H	25		MON	12.5%	2.5*	0.0	15	270m	0	70	K2558b	CN13	CMOS;Dual Peripheral Driver.
92▼	DS3632J	25		MON	12.5%	2.5*	0.0	15	270m	0	70	K2558b	M257c	CMOS;Dual Peripheral Driver.
93▼	DS3632N	25		MON	12.5%	2.5*	0.0	15	270m	0	70	K2558b	M239a	CMOS;Dual Peripheral Driver.
94▼	DS3633H	25		MON	12.5%	2.5*	0.0	15	240m	0	70	K2558a	CN13	CMOS;Dual Peripheral Driver.
95▼	DS3633J	25		MON	12.5%	2.5*	0.0	15	240m	0	70	K2558a	M257c	CMOS;Dual Peripheral Driver.
96▼	DS3633N	25		MON	12.5%	2.5*	0.0	15	240m	0	70	K2558a	M239a	CMOS;Dual Peripheral Driver.
97▼	DS3634H	25		MON	12.5%	2.5*	0.0	15	270m	0	70	K2558c	CN13	CMOS;Dual Peripheral Driver.
98▼	DS3634J	25		MON	12.5%	2.5*	0.0	15	270m	0	70	K2558c	M257c	CMOS;Dual Peripheral Driver.
99▼	DS3634N	25		MON	12.5%	2.5*	0.0	15	270m	0	70	K2558c	M239a	CMOS;Dual Peripheral Driver.
100▼#	SP761B	25		MON	26*	1.2*†	0.0	12	96m%	0	70	K2555	M257a	12V Power Interface Circuit.
101♦#	SP764B	25		MON	26%	1.2*	0.0	12	144mΔ	0	70	K2556a	M197e	12V Power Interface Ckt.
102	UHD060	25		MON	40☑%	1.5#*				0	70	K2520	M297	Dual Darlington Switch;tpd 150ns max.
103	UHP060	25		MON	40☑%	1.5#*				0	70	K2520	M298	Dual Darlington Switch;tpd 150ns max.
104	UHC060	25		MON	50☑%	1.5#*				0	70	K2520	CN48r	Dual Darlington Switch;tpd 150ns max.
105#	BAT21	26		MON					600m				TO116	16 Coredriver;VR 60V;trr 20ns;IF(av)400mA.
106#	BAT22	26		MON					600m				TO116	16 Coredriver;VR 40V;trr 20ns;IF(av)400mA.
107#	BAT23	26		MON					500m				TO91	16 Coredriver;VR 60V;trr 20ns;IF(av)300mA.
108#	BAT24	26		MON					500m				TO91	16 Coredriver;VR 40V;trr 20ns;IF(av)300mA.
109#	BAT25	26		MON					600m				TO116	Dual 8 Coredriver;VR 60V;IF(av)400mA.
110#	BAT26	26		MON					600m				TO116	Dual 8 Coredriver;VR 40V;IF(av)400mA.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1#	BAT27	26		MON					500m				FP52g	Dual 8 Coredriver;VR 60V;IF(av)300mA.
2#	BAT28	26		MON					500m				FP52g	Dual 8 Coredriver;VR 40V;IF(av)300mA.
3#	M54510P	26		MON						0	75	K267	M186a	18x5 Bit Diode Matrix
4	MC1103F	26		MON					500m	-55	150	K263a	TO91	Diode Array;16 Diodes;Rev Trec 20ns.
5	MC1103L	26		MON					600m	-55	150	K263a	TO116	Diode Array;16 Diodes;Rev Trec 20ns.
6	MC1103P	26		MON					600m	-55	125	K263a	M157d	Diode Array;16 Diodes;Rev Trec 20ns.
7	MC1105F	26		MON					500m	-55	150	K261k	TO91	8 Diode Array;Rev Trec 20ns.
8	MC1105L	26		MON					600m	-55	150	K261k	TO116	8 Diode Array;Rev Trec 20ns.
9	MC1105P	26		MON					600m	-55	125	K261k	M157d	8 Diode Array;Rev Trec 20ns.
10	MC1106F	26		MON					500m	-55	150	K262k	TO91	8 Diode Array;Rev Trec 20ns.
11	MC1106L	26		MON					600m	-55	150	K262k	TO116	8 Diode Array;Rev Trec 20ns.
12	MC1106P	26		MON					600m	-55	125	K262k	M157d	8 Diode Array;Rev Trec 20ns.
13	MC1107F	26		MON					500m	-55	150	K2613	TO91	Dual 8 Diode Array;Rev Trec 20ns.
14	MC1107L	26		MON					600m	-55	150	K2513	TO116	Dual 8 Diode Array;Rev Trec 20ns.
15	MC1107P	26		MON					600m	-55	125	K2613	M157d	Dual 8 Diode Array;Rev Trec 20ns.
16	RM227D	26		MON			0	6.0		-55	125		M105k	Diode Arrays.
17	RM227P	26		MON			0	6.0		-55	125		M105m	Diode Arrays.
18	RM217G	26		MON	15Ø					-55	125	K265c	FP28e	And gate; Trr is 4.0ns max at 2.0mA IR,IF
19	RM217T	26		MON	15Ø					-55	125	K265a	CN18	And gate; Trr is 4.0ns max at 2.0mA IR,IF.
20	RM227G	26		MON	15Ø					-55	125	K265	FP28e	And gate;Trr is 4.0ns max at 2.0mA IR,IF.
21	HM1A0104	26		MON	20Ø				450m	0	70	K15108i	TO116	10x4 Matrix;VF 1.5V max;trr 100ns max.
22	HM1A0110	26		MON	20Ø				450m	0	70	K15108i	TO116	4x10 Matrix;VF 1.8V max;trr 100ns max.
23	HM1A0168	26		MON	20Ø				450m	0	70	K15108i	TO116	6x8 Matrix;VF 1.5V max;trr 100ns max.
24	HM1A0186	26		MON	20Ø				450m	0	70	K15108i	TO116	8x6 Matrix;VF 1.5V max;trr 100ns max.
25	1N5769	26		MON	25Ø				500m	-65	150	K261	FP26h	IF 300mA;VF at 100mA IF 1.1Vmax;trr20nsmax
26	1N5771	26		MON	25Ø				500m	-65	150	K262	FP26h	IF 300mA;VF at 100mA IF 1.1Vmax;trr20nsmax
27	1N5773	26		MON	25Ø				500m	-65	150	K263	FP26h	IF 300mA;VF at 100mA IF 1.1Vmax;trr20nsmax
28	1N5775	26		MON	25Ø				500m	-65	150	K2613	FP26h	Dual;IF 300mA;trr 20ns max;CT 8pf max.
29	MCE7005F	26			25☐				20m	0	100	K2612	FP92	Diode-Resistor Network.
30	TIDM155F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268	FP52f	5x5 Matrix;trr 10ns max at IF,IRM 10mA.
31	TIDM155J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268	M157b	5x5 Matrix;trr 10ns max at IF,IRM 10mA.
32	TIDM166F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268a	FP52f	6x6 Matrix;trr 10ns max at IF,IRM 10mA.
33	TIDM166J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268a	M157b	6x6 Matrix;trr 10ns max at IF,IRM 10mA.
34	TIDM168F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268b	FP52f	6x8 Matrix;trr 10ns max at IF,IRM 10mA.
35	TIDM168J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268b	M157b	6x8 Matrix;trr 10ns max at IF,IRM 10mA.
36	TIDM185F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268c	FP52f	8x5 Matrix;trr 10ns max at IF,IRM 10mA.
37	TIDM185J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268c	M157b	8x5 Matrix;trr 10ns max at IF,IRM 10mA.
38	TIDM186F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268d	FP52f	8x6 Matrix;trr 10ns max at IF,IRM 10mA.
39	TIDM186J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268d	M157b	8x6 Matrix;trr 10ns max at IF,IRM 10mA.
40	TIDM255F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268	FP52f	5x5 Matrix;trr 25ns max at IF,IRM 10mA.
41	TIDM255J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268	M157b	5x5 Matrix;trr 25ns max at IF,IRM 10mA.
42	TIDM266F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268a	FP52f	6x6 Matrix;trr 25ns max at IF,IRM 10mA.
43	TIDM266J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268a	M157b	6x6 Matrix;trr 25ns max at IF,IRM 10mA.
44	TIDM268F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268b	FP52f	6x8 Matrix;trr 25ns max at IF,IRM 10mA.
45	TIDM268J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268b	M157b	6x8 Matrix;trr 25ns max at IF,IRM 10mA.
46	TIDM285F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268c	FP52f	8x5 Matrix;trr 25ns max at IF,IRM 10mA.
47	TIDM285J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268c	M157b	8x5 Matrix;trr 25ns max at IF,IRM 10mA.
48	TIDM286F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268d	FP52f	8x6 Matrix;trr 25ns max at IF,IRM 10mA.
49	TIDM286J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268d	M157b	8x6 Matrix;trr 25ns max at IF,IRM 10mA.
50	1N5984	26		MON	30Ø				750m	-65	150	K263a	TO116	16 Diode Array;VF 0.9V at IF 25mA.
51	FJT2000	26		MON	35Ø				125m	-55	125	K2614	CN☐	IF(DC)100mA max;trr 250us max.
52	HM1A013	26		MON	35Ø				450m	-55	125	K15108i	TO116	5x8 Matrix;VF 1.5V max;trr 50ns max.
53	HM1A034	26		MON	35Ø				450m	-55	125	K15108i	TO116	6x8 Matrix;VF 1.5V max;trr 50ns max.
54	HM1A044	26		MON	35Ø				450m	-55	125	K15108i	TO116	8x6 Matrix;VF 1.5V max;trr 50ns max.
55	HM1A055	26		MON	35Ø				450m	-55	125	K15108i	TO116	10x4 Matrix;VF 1.5V max;trr 50ns max.
56	HM1A077	26		MON	35Ø				450m	-55	125	K15108i	TO116	5x5 Matrix;VF 1.5V max;trr 50ns max.
57	HM1A084	26		MON	35Ø				450m	-55	125	K15108i	TO116	8x5 Matrix;VF 1.5V max;trr 50ns max.
58	HM1A093	26		MON	35Ø				450m	-55	125	K15108i	TO116	4x10 Matrix;VF 1.5V max;trr 50ns max.
59	HM9H013	26		MON	35Ø				450m	-55	125	K15108i	TO86	5x8 Matrix;VF 1.5V max;trr 50ns max.
60	HM9H034	26		MON	35Ø				450m	-55	125	K15108i	TO86	6x8 Matrix;VF 1.5V max;trr 50ns max.
61	HM9H044	26		MON	35Ø				450m	-55	125	K15108i	TO86	8x6 Matrix;VF 1.5V max;trr 50ns max.
62	HM9H055	26		MON	35Ø				450m	-55	125	K15108i	TO86	10x4 Matrix;VF 1.5V max;trr 50ns max.
63	HM9H077	26		MON	35Ø				450m	-55	125	K15108i	TO86	5x5 Matrix;VF 1.5V max;trr 50ns max.
64	HM9H084	26		MON	35Ø				450m	-55	125	K15108i	TO86	8x5 Matrix;VF 1.5V max;trr 50ns max.
65	HM9H093	26		MON	35Ø				450m	-55	125	K15108i	TO86	4x10 Matrix;VF 1.5V max;trr 50ns max.
66	1N5768	26		MON	40Ø				500m	-65	150	K261	FP26h	IF 300mA;VF at 100mA IF 1.0Vmax;trr20nsmax
67	1N5770	26		MON	40Ø				500m	-65	150	K262	FP26h	IF 300mA;VF at 100mA IF 1.0Vmax;trr20nsmax
68	1N5772	26		MON	40Ø				500m	-65	150	K263	FP26h	IF 300mA;VF at 100mA IF 1.0Vmax;trr20nsmax
69	1N5774	26		MON	40Ø				500m	-65	150	K2613	FP26h	Dual;IF 300mA;trr 20ns max;CT 8pf max.
70	1N5983	26		MON	40Ø				750m	-65	150	K263a	TO116	16 Diode Array;VF 0.9V at IF 25mA.
71	HM1A012	26		MON	40Ø				450m	-55	125	K15108i	TO116	5x8 Matrix;VF 1.7V max;trr 25ns max.
72	HM1A031	26		MON	40Ø				450m	-55	125	K15108i	TO116	6x8 Matrix;VF 1.5V max;trr 10ns max.
73	HM1A041	26		MON	40Ø				450m	-55	125	K15108i	TO116	8x6 Matrix;VF 1.5V max;trr 10ns max.
74	HM1A051	26		MON	40Ø				450m	-55	125	K15108i	TO116	10x4 Matrix;VF 1.7V max;trr 25ns max.
75	HM1A075	26		MON	40Ø				450m	-55	125	K15108i	TO116	5x5 Matrix;VF 1.7V max;trr 25ns max.
76	HM1A081	26		MON	40Ø				450m	-55	125	K15108i	TO116	8x5 Matrix;VF 1.5V max;trr 10ns max.
77	HM1A091	26		MON	40Ø				450m	-55	125	K15108i	TO116	4x10 Matrix;VF 1.7V max;trr 10ns max.
78	HM9H012	26		MON	40Ø				450m	-55	125	K15108i	TO86	5x8 Matrix;VF 1.7V max;trr 25ns max.
79	HM9H031	26		MON	40Ø				450m	-55	125	K15108i	TO86	6x8 Matrix;VF 1.5V max;trr 10ns max.
80	HM9H041	26		MON	40Ø				450m	-55	125	K15108i	TO86	8x6 Matrix;VF 1.5V max;trr 10ns max.
81	HM9H051	26		MON	40Ø				450m	-55	125	K15108i	TO86	10x4 Matrix;VF 1.7V max;trr 25ns max.
82	HM9H075	26		MON	40Ø				450m	-55	125	K15108i	TO86	5x5 Matrix;VF 1.7V max;trr 25ns max.
83	HM9H081	26		MON	40Ø				450m	-55	125	K15108i	TO86	8x5 Matrix;VF 1.5V max;trr 10ns max.
84	HM9H091	26		MON	40Ø				450m	-55	125	K15108i	TO86	4x10 Matrix;VF 1.7V max;trr 25ns max.
85	MCE7003F	26			40☐					0	100	K2611	TO86	Seven Diode Array.
86	MCE7006F	26			40☐					0	100	K263	FP92	16-Diode Array.
87	TID22A	26		DCM	40Ø				500mt	-65	150	K261	TO89	8 arrays;tfREC 40ns;trREC 20ns.
88	TID24A	26		DCM	40Ø				500mt	-65	150	K262	TO89	8 arrays;tfREC 40ns;trREC 20ns.
89	TID26A	26		DCM	40Ø				500mt	-65	150	K263	TO89	16 arrays;tfREC 40ns;trREC 20ns.
90	TID30A	26		DCM	40Ø				500mt	-65	150	K263m	TO84	Dual-10 arrays;tfREC 40ns;trREC 20ns.
91	TID122	26		DCM	40Ø				600mt	-65	125	K261k	M117m	8 arrays;tfREC 40ns;trREC 20ns.
92	TID124	26		DCM	40Ø				600mt	-65	125	K262k	M117m	8 arrays;tfREC 40ns;trREC 20ns.
93	TID126	26		DCM	40Ø				600mt	-65	125	K263a	M117m	16 arrays;tfREC 40ns;trREC 20ns.
94	TID130	26		DCM	40Ø				600mt	-65	125	K263m	M117m	Dual-10 arrays;tfREC 40ns;trREC 20ns.
95	TID132	26		DCM	40Ø				500mt	-65	150	K263m	TO84	Dual-8 arrays;tfREC 40ns;trREC 20ns.
96	TID134	26		DCM	40Ø				600mt	-65	125	K263n	M117m	Dual-8 arrays;tfREC 40ns;trREC 20ns.
97	TID136N	26		MON	40Ø				600m	-65	125	K263p	M126e	16-Diode Array.
98	TID140F	26		MON	40Ø				500m	-65	150	K2611	FP52f	7 Independent Diodes.
99	TID140N	26		MON	40Ø				600m	-65	125	K2611	M126e	7 Independent Diodes.
100	TID142F	26		MON	40Ø				500m	-65	150	K269a	TO89	Dual 4-Diode Array(Common Cathode).
101	TID142N	26		MON	40Ø				600m	-65	125	K269b	M126e	Dual 4-Diode Array(Common Cathode).
102	TID144F	26		MON	40Ø				500m	-65	150	K2610a	TO89	Dual 4-Diode Array(Common Anode).
103	TID144N	26		MON	40Ø				600m	-65	125	K2610b	M126e	Dual 4-Diode Array(Common Anode).
104#	DN804	26		MON	40Ø	.70			500m	-55	125	K269	M257d	Dual 4 arrays,tREC 5.0ns typ.
105#	DN806	26		MON	40Ø	.70			500m	-55	125	K2610	M257d	Dual 4 arrays,tREC 5.0ns typ.
106	HM1A010	26		MON	45Ø				450m	-55	125	K15108i	TO116	5x8 Matrix;VF 1.5V max;trr 10ns max.
107	HM1A030	26		MON	45Ø				450m	-55	125	K15108i	TO116	6x8 Matrix;VF 1.5V max;trr 10ns max.
108	HM1A040	26		MON	45Ø				450m	-55	125	K15108i	TO116	8x6 Matrix;VF 1.5V max;trr 10ns max.
109	HM1A050	26		MON	45Ø				450m	-55	125	K15108i	TO116	10x4 Matrix;VF 1.5V max;trr 10ns max.
110	HM1A074	26		MON	45Ø				450m	-55	125	K15108i	TO116	5x5 Matrix;VF 1.5V max;trr 10ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	HM1A080	26		MON	45Ø				450m	-55	125	K15108i	TO116	8x5 Matrix;VF 1.5V max;trr 10ns max.
2	HM1A090	26		MON	45Ø				450m	-55	125	K15108i	TO116	4x10 Matrix;VF 1.5V max;trr 10ns max.
3	HM9H010	26		MON	45Ø				450m	-55	125	K15108i	TO86	5x8 Matrix;VF 1.5V max;trr 10ns max.
4	HM9H030	26		MON	45Ø				450m	-55	125	K15108i	TO86	6x8 Matrix;VF 1.5V max;trr 10ns max.
5	HM9H040	26		MON	45Ø				450m	-55	125	K15108i	TO86	8x6 Matrix;VF 1.5V max;trr 10ns max.
6	HM9H050	26		MON	45Ø				450m	-55	125	K15108i	TO86	10x4 Matrix;VF 1.5V max;trr 10ns max.
7	HM9H074	26		MON	45Ø				450m	-55	125	K15108i	TO86	5x5 Matrix;VF 1.5V max;trr 10ns max.
8	HM9H080	26		MON	45Ø				450m	-55	125	K15108i	TO86	8x5 Matrix;VF 1.5V max;trr 10ns max.
9	HM9H090	26		MON	45Ø				450m	-55	125	K15108i	TO86	4x10 Matrix;VF 1.5V max;trr 10ns max.
10	1N5982	26		MON	50Ø				750m	-65	150	K263a	TO116	16 Diode Array;VF 0.9V at IF 25mA.
11#	DN803T	26		MON	50Ø	.70			500m	-55	125	K263a	M257d	16 arrays,tREC 5.0ns typ for Core Driver.
12	FSA2500M	26		MON	55Ø				400m	-55	150	K263	FP26f	16 Core Driver;Trr 10ns max at 200mA IF,IR
13	FSA2501M	26		MON	55Ø				400m	-55	150	K263a	M157	16 Core Driver;Trr10ns max at 200mA IF,IR
14	FSA2502M	26		MON	55Ø				400m	-55	150	K263b	TO100	16 Core Driver;Trr 10ns max at 200mA IF,IR
15	FSA2503M	26		MON	55Ø				400m	-55	150	K263j	M157	8 Core Driver;Trr 10ns max at 200mA IF,IR
16	FSA2504M	26		MON	55Ø				400m	-55	150	K263k	FP21h	8 Core Driver;Trr 10ns max at 200mA IF,IR
17	1N5981	26		MON	60Ø				750m	-65	150	K263a	TO116	16 Diode Array;VF 0.9V at IF 25mA.
18#	BAX45	26		MON	60Ø				400m		175	K263h	CN6d	Core Driver;Trr 25ns max at 200mA IR,IF.
19#	BAX46	26		MON	60Ø				400m		175	K263g	CN70	Core Driver;Trr 25ns max at 200mA IR,IF.
20#	BAX47	26		MON	60Ø				400m		175	K263f	CN6d	Core Driver;Trr 25ns max at 200mA IR,IF.
21#	BAX48	26		MON	60Ø				400m		175	K263e	CN70	Core Driver;Trr 25ns max at 200mA IR,IF.
22#	BAX49	26		MON	60Ø				400m		175	K263d	CN57b	Core Driver;Trr 25ns max at 200mA IR,IF.
23#	BAX50	26		MON	60Ø				400m		175	K263c	CN57b	Core Driver; Trr 25ns max at 200mA IR,IF.
24#	BAX51	26		MON	60Ø				400m		175	K263b	CN57b	Core Driver;Trr 25ns max at 200mA IR,IF.
25#	BAX52	26		MON	60Ø				400m		175	K266	CN71	Bridge; Trr 25ns max at 200mA IR,IF.
26#	BAX53	26		MON	60Ø				400m		175	K266	CN70	Bridge;Trr 25ns max at 200mA IR,IF.
27#	BAX54	26		MON	60Ø				400m		175	K266	CN71	Ring Modulator;Trr 25ns max, 200mA IR,IF.
28#	BAX55	26		MON	60Ø				400m		175	K266	CN70	Ring Modulator;Trr 25ns max, 200mA IR,IF.
29#	BAX56	26		MON	60Ø				400m		175	K261j	CN6d	2 Diode,Com-Cath;Trr4ns max;200mA IR,IF.
30#	BAX57	26		MON	60Ø				400m		175	K262j	CN6d	2 Diode;Com-Anode;Trr4ns max; 200mA IR,IF
31#	BAX58	26		MON	60Ø				400m		175	K261h	CN70	2 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
32#	BAX59	26		MON	60Ø				400m		175	K262h	CN70	2 Diode;Com-Anode;Trr4ns max;200mA IR,IF.
33#	BAX60	26		MON	60Ø				400m		175	K261g	CN6d	3 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
34#	BAX61	26		MON	60Ø				400m		175	K262g	CN6d	3 Diode;Com-Anode;Trr4ns max;200mA IR,IF.
35#	BAX62	26		MON	60Ø				400m		175	K261f	CN70	3 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
36#	BAX63	26		MON	60Ø				400m		175	K262f	CN70	3 Diode;Com-Anode;Trr4ns max;200mA IR,IF.
37#	BAX64	26		MON	60Ø				400m		175	K262e	CN6d	4 Diode;Com-Anode;Trr4ns max;200mA IR,IF.
38#	BAX65	26		MON	60Ø				400m		175	K261e	CN6d	4 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
39#	BAX66	26		MON	60Ø				400m		175	K262d	CN6d	5 Diode;Com-Anode;Trr4ns max;200mA IR,IF.
40#	BAX67	26		MON	60Ø				400m		175	K261d	CN6d	5 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
41#	BAX68	26		MON	60Ø				400m		175	K262c	CN6d	6 Diode;Com-Anode;Trr4ns max;200mA IR,IF.
42#	BAX69	26		MON	60Ø				400m		175	K261c	CN6d	6 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
43#	BAX70	26		MON	60Ø				400m		175	K262b	CN6d	7 Diode;Com-Anode;Trr4ns max; 200mA IR,IF.
44#	BAX71	26		MON	60Ø				400m		175	K261b	CN6d	7 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
45#	BAX72	26		MON	60Ø				400m		175	K262a	CN57b	8 Diode;Com-Anode;Trr4ns max;200mA IR,IF.
46#	BAX73	26		MON	60Ø				400m		175	K261a	CN57b	8 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
47	TID21A	26		DCM	60Ø				500m†	-65	150	K261	TO89	8 arrays;tfREC 40ns;trREC 20ns.
48	TID23A	26		DCM	60Ø				500m†	-65	150	K262	TO89	8 arrays;tfREC 40ns;trREC 20ns.
49	TID25A	26		DCM	60Ø				500m†	-65	150	K263	TO89	16 arrays;tfREC 40ns;trREC 20ns.
50	TID29A	26		DCM	60Ø				500m†	-65	150	K263m	TO84	Dual-10 arrays;tfREC 40ns;trREC 20ns.
51	TID121	26		DCM	60Ø				600m†	-65	125	K261k	M117m	8 arrays;tfREC 40ns;trREC 20ns.
52	TID123	26		DCM	60Ø				600m†	-65	125	K262k	M117m	8 arrays;tfREC 40ns;trREC 20ns.
53	TID125	26		DCM	60Ø				600m†	-65	125	K263a	M117m	16 arrays;tfREC 40ns;trREC 20ns.
54	TID129	26		DCM	60Ø				600m†	-65	125	K263m	M117m	Dual-10 arrays;tfREC 40ns;trREC 20ns.
55	TID131	26		DCM	60Ø				500m†	-65	150	K263n	TO84	Dual-8 arrays;tfREC 40ns;trREC 20ns.
56	TID133	26		DCM	60Ø				600m†	-65	125	K263n	M117m	Dual-8 arrays;tfREC 40ns;trREC 20ns.
57	TID135N	26		MON	60Ø				600m	-65	125	K263p	M126e	16-Diode Array.
58	TID139F	26		MON	60Ø				500m	-65	150	K2611	FP52f	7 Independent Diodes.
59	TID139N	26		MON	60Ø				600m	-65	125	K2611	M126e	7 Independent Diodes.
60	TID141F	26		MON	60Ø				500m	-65	150	K269a	TO89	Dual 4-Diode Array(Common Cathode).
61	TID141N	26		MON	60Ø				600m	-65	125	K269a	M126e	Dual 4-Diode Array(Common Cathode).
62	TID143F	26		MON	60Ø				500m	-65	150	K2610a	TO89	Dual 4-Diode Array(Common Anode).
63	TID143N	26		MON	60Ø				600m	-65	125	K2610b	M126e	Dual 4-Diode Array(Common Anode).
64	SN75308N	27		MON					800m	0	70	K274	M117x	2 by 4;tr 20ns;tf 10ns;td 16ns.
65	SN75308J	27		MON		.80*#			800m	0	70	K274	M153d	2 by 4;tr 20ns;tf 10ns;td 16ns.
66♦	JANM38510/05301ACA	27		MOS	3.95%	.85*	0.0	5.0	200m	-55	125	K15198	M392	CMS Dual Compl Pair w/Invt;tpd 230ns max.
67♦	JANM38510/05301ADA	27		MOS	3.95%	.85*	0.0	5.0	200m	-55	125	K15198	FP117	CMS Dual Compl Pair w/Invt;tpd 230ns max.
68♦	JANM38510/05301BCA	27		MOS	3.95%	.85*	0.0	5.0	200m	-55	125	K15198	M392	CMS Dual Compl Pair w/Invt;tpd 230ns max.
69♦	JANM38510/05301BDA	27		MOS	3.95%	.85*	0.0	5.0	200m	-55	125	K15198	FP117	CMS Dual Compl Pair w/Invt;tpd 230ns max.
70♦	JANM38510/05301CCA	27		MOS	3.95%	.85*	0.0	5.0	200m	-55	125	K15198	M392	CMS Dual Compl Pair w/Invt;tpd 230ns max.
71♦	JANM38510/05301CDA	27		MOS	3.95%	.85*	0.0	5.0	200m	-55	125	K15198	FP116	CMS Dual Compl Pair w/Invt;tpd 230ns max.
72	MM4607AD	27		MOS	4.99%	.01*	0.0	5.0	500m	-55	125	K2714	M297a	Dual Complementary Pair plus Inverter.
73	MM5607AN	27		MOS	4.99%	.01*	0.0	5.0	500m	-40	85	K2714	M344	Dual Complementary Pair plus Inverter.
74▼	TF4007AJ	27		MOS	7.1%	2.9*	0.0	10	60u%	-55	125	K15198	M157b	Dual Comp Pair and Inverter;tpd 90ns max.
75▼	TF4007AN	27		MOS	7.1%	2.9*	0.0	10	60u%	-55	125	K15198	M126e	Dual Comp Pair and Inverter;tpd 90ns max.
76▼	TP4007AJ	27		MOS	7.1%	2.9*	0.0	10	300u%	-40	85	K15198	M157b	Dual Comp Pair and Inverter;tpd 125ns max
77▼	TP4007AN	27		MOS	7.1%	2.9*	0.0	10	300u%	-40	85	K15198	M126e	Dual Comp Pair and Inverter;tpd 125ns max
78▼#	SL362C	27	1.6G	MON	8.0Ø§				300m	-55	150	K2725	CN6a	Matched Pair;VBE(1-2)5mV Typ.
79	CD4007AF	27		MOS	9.99%	.01*†	0.0	10	1.0u%	-55	125	K15198	Δ001AB	Dual Comp Pair and Inverter;tpd 40ns max.
80	HD1-4007A2	27		MOS	9.99%	.01*†	0.0	10	1.0u%	-55	125	K2714	M126v	Dual Complementary Pair Plus Inverter.
81	HD1-4007A9	27		MOS	9.99%	.01*†	0.0	10	10u%	-40	85	K2714	M126v	Dual Complementary Pair Plus Inverter.
82	HD9-4007A2	27		MOS	9.99%	.01*†	0.0	10	1.0u%	-55	125	K2714	TO86	Dual Complementary Pair Plus Inverter.
83	HD9-4007A9	27		MOS	9.99%	.01*†	0.0	10	10u%	-40	85	K2714	TO86	Dual Complementary Pair Plus Inverter.
84	SCL4007AC	27		MOS	9.99%	.01*†	0.0	10	1.0u%	-55	125	K15198	M475a	Dual Compl Pair and Inverter.
85	SCL4007AD	27		MOS	9.99%	.01*†	0.0	10	1.0u%	-55	125	K15198	M475b	Dual Compl Pair and Inverter.
86	SCL4007AE	27		MOS	9.99%	.01*†	0.0	10	1.0u%	-40	85	K15198	M475c	Dual Compl Pair and Inverter.
87	SCL4007AF	27		MOS	9.99%	.01*†	0.0	10	1.0u%	-55	125	K15198	FP110	Dual Compl Pair and Inverter.
88	SCL4007AH	27		MOS	9.99%	.01*†	0.0	10	1.0u%	-55	125	K15198	FC☑	Dual Compl Pair and Inverter.
89	CD4007AD	27		MOS	10	0.0†	0.0	10	1.0u%	-55	125	K15198	Δ001AD	Dual Comp Pair and Inverter;tpd 40ns max.
90	CD4007AE	27		MOS	10	0.0†	0.0	10	10u%	-40	85	K15198	Δ001AB	Dual Comp Pair and Inverter;tpd 50ns max.
91	CD4007AK	27		MOS	10	0.0†	0.0	10	1.0u%	-55	125	K15198	Δ004AF	Dual Comp Pair and Inverter;tpd 40ns max.
92	CM4007AD	27		MOS	10	0.0†	0.0	10	200m	-55	125	K15198	M105av	Dual Compl.Pair plus inv;tpd 40ns max.
93	CM4007AE	27		MOS	10	0.0†	0.0	10	200m	-40	85	K15198	M105av	Dual Compl.Pair plus inv;tpd 50ns max.
94#	HBC4007AD	27		MOS	10	0.0†	0.0	10	1.0u%	-55	125	K15198	Δ001AD	CMS Dual Comp Pair Plus Inv;tpd 40ns max.
95#	HBC4007AF	27		MOS	10	0.0†	0.0	10	1.0u%	-55	125	K15198	Δ001AD	CMS Dual Comp Pair Plus Inv;tpd 40ns max.
96#	HBC4007AK	27		MOS	10	0.0†	0.0	10	1.0u%	-55	125	K15198	Δ004AF	CMS Dual Comp Pair Plus Inv;tpd 40ns max.
97#	HBF4007AE	27		MOS	10	0.0†	0.0	10	10u%	-40	85	K15198	Δ001AB	CMS Dual Comp Pair Plus Inv;tpd 50ns max.
98#	HBF4007AF	27		MOS	10	0.0†	0.0	10	10u%	-40	85	K15198	Δ001AD	CMS Dual Comp Pair Plus Inv;tpd 50ns max.
99▼#	SL301CE	27		MON	10☑%	0.6#*	0.0	5.0	600m	-55	175	K2725	M105z	Dual;hFE 20 min at IC 1mA,VCE 5V.
100▼#	SL301CT	27		MON	10☑%	0.6#*	0.0	5.0	600m	-55	175	K2725	CN6a	Dual;hFE 20 min at IC 1mA,VCE 5V.
101▼#	BFV91N	27		MON	12☑%	.15#*				-65	175	K2730	M126e	PNP;Quad;ton 60nS max;toff 100nS max.
102▼#	BFV91	27		MON	12☑%	0.2#*			400m		175	K2730	TO84	Quad;hFE 30-120,VCE .5V,IC 30mA.
103	MPQ3546	27	600M☑Ø	MON	12☑	.25#*			1.5	-55	125	K272	TO116	Quad;PNP;ton 15ns typ;toff 25ns typ.
104	MHQ3546	27	1.0G☑%	MON	12☑	.25#			1.5	-65	200	K272	TO116	Quad;PNP Switching Trans.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MPQ3303	27	400MØØ	MON	12Ø%	.52#			1.2	-55	150	K271	TO116	Quad DILNPN Si Lo Volt Hi Curr Sw Trans.
2▼#	SL301EE	27		MON	12Ø%	0.6#*	0.0	5.0	600m	-55	175	K2725	M105z	Dual;hFE(1-2)0.8V min;ΔVBE 5mV max.
3▼#	SL301ET	27		MON	12Ø%	0.6#*	0.0	5.0	600m	-55	175	K2725	CN6a	Dual;hFE(1-2)0.8V min;ΔVBE 5mV max.
4▼#	SL301BE	27		MON	12Ø%	1.0#*	0.0	5.0	600m	-55	175	K2725	M105z	Dual;hFE(1-2)0.5V min;ΔVBE 12mV max.
5▼#	SL301BT	27		MON	12Ø%	1.0#*	0.0	5.0	600m	-55	175	K2725	CN6a	Dual;hFE(1-2)0.5V min;ΔVBE 12mV max.
6▼#	SL303BE	27		MON	12Ø%	1.0#*	0.0	5.0	600m	-55	175	K2723	M105z	3 Matched;hFE(1-2)0.5 min;ΔVBE 12mV max.
7▼#	SL303BT	27		MON	12Ø%	1.0#*	0.0	5.0	600m	-55	175	K2723	CN58a	3 Matched;hFE(1-2)0.5 min;ΔVBE 12mV max.
8▼#	SL354BE	27		MON	12Ø%	1.0#*	0.0	5.0	600m	-55	175	K2724	M105z	Matched Quad;hFE(1-2)0.5 min;ΔVBE 12mVmax
9▼#	SL354BF	27		MON	12Ø%	1.0#*	0.0	5.0	600m	-55	175	K2724	FP94	Matched Quad;hFE(1-2)0.5 min;ΔVBE 12mVmax
10▼#	BFV97N	27		MON	15Ø%				400m	-65	175	K2730a	M126e	NPN;Quad.
11▼#	BFV92	27		MON	15Ø%	0.18#*			400m		175	K2730a	TO84	Quad;hFE 30-150,VCE 1V,IC 30mA.
12▼#	BFV92N	27		MON	15Ø%	.18#*			400m	-65	175	K2730a	M126e	NPN;Quad;ton 16nS max;toff 35nS max.
13	MPQ2369	27	450MØØ	MON	15Ø	.25#*			1.5	-55	125	K271	TO116	Quad;NPN;ton 9.0ns typ;toff 15ns typ.
14	MHQ2369	27	550MØ%	MON	15Ø	.25#			1.5	-65	200	K272a	TO116	Quad;NPN Switching Trans.
15▼	MQ2369	27	800MØ%	MON	15Ø	.25#			600m	-65	200		FP52h	Quad NPN;VCB 40Vdc;IC 500mAdc.
16▼#	SL301AE	27		MON	16Ø%	0.6#*	0.0	5.0	600m	-55	175	K2725	M105z	Dual;hFE(1-2)0.9V min;ΔVBE 3mV max.
17▼#	SL301AT	27		MON	16Ø%	0.6#*	0.0	5.0	600m	-55	175	K2725	CN6a	Dual;hFE(1-2)0.9V min;ΔVBE 3mV max.
18▼#	SL303AE	27		MON	16Ø%	0.6#*	0.0	5.0	600m	-55	175	K2723	M105z	3 Matched;hFE(1-2)0.9 min;ΔVBE 3mV max.
19▼#	SL303AT	27		MON	16Ø%	0.6#*	0.0	5.0	600m	-55	175	K2723	CN58a	3 Matched;hFE(1-2)0.9 min;ΔVBE 3mV max.
20	SG3081J	27			16Ø	.70#			750m	-40	85	K2715	M105ap	7 NPN Trans w/Common Emitter.
21	SG3081N	27			16Ø	.70#			750m	-40	85	K2715	M117	7 NPN Trans w/Common Emitter.
22	SG3082J	27			16Ø	.70#			750m	-40	85	K2715a	M105ap	7 NPN Trans w/Common Collector.
23	SG3082N	27			16Ø	.70#			750m	-40	85	K2715a	M117	7 NPN Trans w/Common Collector.
24	ULN2031A	27		MON	16Ø	1.5#	0.0	2.0	750m	0	85	K2712	M328	7 Darl Pairs;hFE 500 min at IC 20mA.
25	ULN2032A	27		MON	16Ø	1.5#	0.0	2.0	750m	0	85	K2718	M328	7 Darl Pairs;hFE 500 min at IC 20mA.
26	ULN2033A	27		MON	16Ø	1.5#	0.0	2.0	750m	0	85	K2718	M328	7 Darl Pairs;hFE 50 min at IC 20mA.
27	HT1A6502	27		MON	20Ø	.60#*			800m		200	K271	TO116	Quad 1 Amp NPN Core Drivers.
28	TDA0470	27		MON	22Ø	.40#*			250m	-10	60	K2719	TO116	Gate for Electronic Organ.
29▼	MEM550C	27		MON	25$*				85m	-50	100	K2729	TO77	Dual P Channel MOSFET.
30▼#	BFV96N	27		MON	25Ø%	.70#*			400m	-65	175	K2730a	M126e	NPN;Quad;tr 30nS;td 15nS;ts 60nS;tf 30nS.
31	SN75303N	27		MON	25%Ø	.75*#	0.0	5.0	250m	0	70	K273	M117x	2 by 4;BVCBO 25V;trans.time 12ns max.
32▼	3N151	27		MON	30Ø*				325m	-60	150	K2726	TO77	Matched Pair w/Shunt Diode;VGS(1-2)250mV.
33▼	M106	27		MON	30$*				500m	-55	125	K2727	TO99	Dual P Channel MOSFET.
34▼	M107	27		MON	30$*				500m	-55	125	K2728	TO99	Dual P Channel MOSFET.
35▼	MEM550	27		MON	30$*				112m	-50	125	K2729	TO77	Dual P Channel MOSFET.
36▼	MEM550F	27		MON	30$*				112m	-50	125		TO89	Dual P Channel MOSFET.
37▼	MEM954	27		MON	30$*				112m	-50	125	K2729	TO77	Dual P Channel MOSFET.
38▼	MEM954A	27		MON	30$*				112m	-50	125	K2729	TO77	Dual P Channel MOSFET.
39▼	MEM954B	27		MON	30$*				112m	-50	125	K2729	TO77	Dual P Channel MOSFET.
40▼	MPQ6842	27	350MØ%	MON	30Ø	.15#			900m	-55	150	K2720	TO116	MPU Clock Buffer.
41▼#	BFV93N	27		MON	30Ø%	.40#*			400m	-65	175	K2731	M126e	NPN;Quad;ton 25nS;toff 200nS.
42▼#	BFV94N	27		MON	30Ø%	.40#*			400m	-65	175	K2730a	M126e	NPN;Quad;ton 25nS;toff 200nS.
43▼#	BFV95N	27		MON	30Ø%	.40#*				-65	175	K2730	M126e	PNP;Quad;ton 25nS;toff 200nS.
44	Q2T2222	27	250MØØ		30Ø	.40#	0.0	60	2.5	-55	150	K271	Δ001AA	Quad;BVCBO 60V;tr 12ns;tf 30ns.
45▼	MPQ1050	27	200MØØ	MON	30Ø	.45#			1.7	-55	150	K271	TO116	Quad NPN Hi-Current Switching.
46#	DN807	27		MON	30Ø	1.3			600m	0	75	K271	M257d	4 arrays,tpd 30ns for Core Driver.
47	MFE5000	27		MOS	40$				450m	-65	175		M157e	MOS FE Quad Transistor;P-Channel.
48▼#	UPA38A	27		MON	40Ø*								TO78	Matched;NPN;VIO 1.0mV max;ΔVIO/ΔT 3uV/°C.
49▼#	UPA39A	27		MON	40Ø*								TO78	Matched;NPN;VIO 5.0mV max;ΔVIO/ΔT 20uV/°C
50	MPQ3467	27	125MØØ	MON	40Ø%	.23#			1.7	-55	150	K271a	TO116	Quad DILPNP Silicon Memory Driver Trans.
51	MHQ3467	27	190MØ%	MOS	40Ø	.23#			2.7	-55	200	K271a	TO116	Quad DIL PNP Si Memory Driver Trans.
52	MHQ4001A	27	200MØØ	MON	40Ø%	.23#			2.5	-55	200	K271	TO116	Quad DIL NPN Silicon Memory Driver Trans.
53	MHQ4013	27	200MØØ	MON	40Ø%	.23#			2.5	-55	200	K271	TO116	Quad DIL NPN Silicon Memory Driver Trans.
54	MPQ3725	27		MON	40ØØ	.32#			2.5	-55	150	K271	TO116	Quad DIL NPN Si Core Driver Trans.
55	MPQ4003	27		MON	40ØØ	.32#			2.5	-55	150	K271	TO116	Quad DIL NPN Si Core Driver Trans.
56	MHQ2221	27	200MØØ	MON	40Ø	.40#			1.9	-65	200	K271	TO116	Quad;NPN;ton 25ns typ;toff 250ns typ.
57	MHQ2222	27	200MØØ	MON	40Ø	.40#			1.9	-65	200	K271	TO116	Quad;NPN;ton 25ns typ;toff 250ns typ.
58	MHQ2906	27	200MØØ	MON	40Ø	.40#			1.9	-65	200	K272	TO116	Quad;PNP;ton 30ns typ;toff 100ns typ.
59	MHQ2907	27	200MØØ	MON	40Ø	.40#			1.9	-65	200	K272	M157a	Quad;PNP;ton 30ns typ;toff 100ns typ.
60	Q2T3725	27		MON	40Ø	.52#			2.5	-55	150	K271	M126e	Quad NPN;hfe 2.5 min.
61▼	MPQ3762	27	275MØ%	MON	40Ø	.55#			1.7	-55	150	K271a	TO116	Quad PNP Memory Driver.
62	HT1A6501	27		MON	40Ø	.90#*			800m		200	K271	TO116	Quad 1 Amp NPN Core Drivers.
63▼	2N5146	27	150MØ	MON	40Ø*	1.0#*			500m	-65	200	K271a	TO86	Quad Trans;PNP;tr 30nS;tf 30nS.
64▼	2N6501	27	250MØØ	MON	40Ø*	1.0#*			600m	-65	200	K2722	FP52h	Quad;NPN;ton 35ns;toff 60ns.
65▼#	BFX16	27		MON	45Ø%		0.0	5.0	500m	-65	200			3 Trans;hFE1/2 0.8 min;VBE1/2 5mV max.
66▼	MQ6100	27	30MØØ	MON	45Ø	.20#			600m	-65	200		FP52h	Quad NPN/PNP;VCB 60Vdc;IC 50mAdc.
67	MHQ4002A	27	200MØØ	MON	45Ø%	.23#			2.5	-55	200	K271	TO116	Quad DIL NPN Silicon Memory Driver Trans.
68	MHQ4014	27	200MØØ	MON	45Ø%	.23#			2.5	-55	200	K271	TO116	Quad DIL NPN Silicon Memory Driver Trans.
69▼#	BFV98	27		MON	45Ø%	1.0#*			400m		200	K2730a	TO84	Quad;hFE 100-300,VCE 5,IC 0.01mA.
70▼#	BFV98N	27		MON	45Ø%	1.0#*			400m	-65	200	K2730a	M126e	NPN;Quad.
71	MPQ3725A	27		MON	50ØØ	.32#			2.5	-55	150	K271	TO116	Quad DIL NPN Si Core Driver Trans.
72	MPQ4004	27		MON	50ØØ	.32#			2.5	-55	150	K271	TO116	Quad DIL NPN Si Core Driver Trans.
73▼	MQ982	27	320MØ%	MON	50Ø	.50#			600m	-65	200		FP52h	Quad PNP;VCB 60Vdc;IC 600mAdc.
74	HT1A6500	27		MON	50Ø	1.0#*			800m		200	K271	TO116	Quad 1 Amp NPN Core Drivers.
75	ULN2064A	27		MON	50	1.4			2.5	-25	85	K2716	M328	4 Darl Pairs w/Common Emitter;Ic 1.5A.
76	ULN2074A	27		MON	50	1.4			2.5	-25	85	K2717	M328	4 Darl Pairs,Isolated;IE 1.5A.
77♦	ULN2001A	27		MON	50	1.6#			2.0	0	85	K2721	M328	7 Darl Pairs;Genl Purpose;Ic 500mA.
78♦	ULN2002A	27		MON	50	1.6#			2.0	0	85	K2721	M328	7 Darl Pairs;PMOS Input;Ic 500mA.
79♦	ULN2003A	27		MON	50	1.6#			2.0	0	85	K2721	M328	7 Darl Pairs;CMOS/TTL Input;Ic 500mA.
80	Q2T3244	27	175MØØ		-40Ø	-.30#	40	0.0	2.5	-55	150	K271a	Δ001AA	Quad;BVCBO -40V;tr 35na,tf 45ns.
81	Q2T2905	27	200MØØ		-40Ø	-.40#	6.0	0.0	2.5	-55	150	K271a	Δ001AA	Quad;BVCBO -60V;tr 40ns,tf 30ns.
82	MC10183L	28		MON	-.96%	-1.6*†	5.2	0.0	760m	-30	85	K2814	M291	4 By 2 Bit Multiplier;tpd 50ns typ.
83	MC10287L	28		MON	-.96%	-1.6*†	5.2	0.0	400m†	-30	85	K2812	M191	Hi-Speed 2x1 Bit Array Multiplexer Block.
84	AM25L05DC	28		MOS	2.0%	.70*	0.0	5.0	225m%	0	75	K285	M246	4 bit x 2 bit Complement Multiplier.
85	AM25L05DM	28		MOS	2.0%	.70*	0.0	5.0	225m%	-55	125	K285	M246	4 bit x 2 bit Complement Multiplier.
86	AM25L05FM	28		MOS	2.0%	.70*	0.0	5.0	225m%	-55	125	K285	FP105	4 bit x 2 bit Complement Multiplier.
87	AM25L05PC	28		MOS	2.0%	.70*	0.0	5.0	225m%	0	75	K285	M197a	4 bit x 2 bit Complement Multiplier.
88	SN54LS261J	28		MON	2.0%	.70*	0.0	5.0	110mt	-55	125	K2813	M153d	2 by 4 Bit Parallel Bin Mult;tpd 42ns max
89	SN54LS261W	28		MON	2.0%	.70*	0.0	5.0	110mt	-55	125	K2813	Δ004AG	2 by 4 Bit Parallel Bin Mult;tpd 42ns max.
90	9344DC	28			2.0%	.80*	0.0	5.0	750m%	0	75	K15448	M199	Binary 4 Bit by 2 Bit;tpd 52ns max.
91	9344DM	28			2.0%	.80*	0.0	5.0	750m%	-55	125	K15448	M199	Binary 4 Bit by 2 Bit;tpd 52ns max.
92	9344FC	28		MON	2.0%	.80*	0.0	5.0	750m§	0	75	K15448	FP66a	Binary 4 Bit by 2 Bit;tpd 52ns max.
93	9344FM	28			2.0%	.80*	0.0	5.0	750m%	-55	125	K15448	FP66a	Binary 4 Bit by 2 Bit;tpd 52ns max.
94▼	AM25LS14DC	28		MON	2.0%	.80*	0.0	5.0	775m	0	70	K2815	M356	8-Bit Serial/Parallel 2s Complement.
95▼	AM25LS14DM	28		MON	2.0%	.80*	0.0	5.0	775m	-55	125	K2815	M356	8-Bit Serial/Parallel 2s Complement.
96▼	AM25LS14FM	28		MON	2.0%	.80*	0.0	5.0	775m	-55	125	K2815	FP79b	8-Bit Serial/Parallel 2s Complement.
97▼	AM25LS14PC	28		MON	2.0%	.80*	0.0	5.0	775m	0	70	K2815	M357	8-Bit Serial/Parallel 2s Complement.
98	AM25S05DC	28		MOS	2.0%	.80*	0.0	5.0	935m%	0	75	K286	M246	4 bit x 2 bit Complement Multiplier.
99	AM25S05DM	28		MOS	2.0%	.80*	0.0	5.0	935m%	-55	125	K286	M246	4 bit x 2 bit Complement Multiplier.
100	AM25S05FM	28		MOS	2.0%	.80*	0.0	5.0	935m%	-55	125	K286	FP105	4 Bit x 2 Bit Complement Multiplier.
101	AM25S05PC	28		MOS	2.0%	.80*	0.0	5.0	935m%	0	75	K286	M197a	4 bit x 2 bit Complement Multiplier.
102	AM25S10DC	28		MOS	2.0%	.80*	0.0	5.0	425m%	0	75	K287	M356	4 bit Shifter w/3 State Outputs.
103	AM25S10DM	28		MOS	2.0%	.80*	0.0	5.0	425m%	-55	125	K287	M356	4 Bit Shifter w/3 State Outputs.
104	AM25S10FM	28		MOS	2.0%	.80*	0.0	5.0	425m%	-55	125	K287	FP79b	4 Bit Shifter w/3 State Outputs.
105	AM25S10PC	28		MOS	2.0%	.80*	0.0	5.0	425m%	0	75	K287	M357	4 bit Shifter w/3 State Outputs.
106	AM2505DC	28		MON	2.0%	.80*	0.0	5.0	650m%	0	70	K288	M246	4x2 bit 2s Complement Multiplier.
107	AM2505DM	28		MON	2.0%	.80*	0.0	5.0	725m%	-55	125	K288	M246	4x2 bit 2s Complement Multiplier.
108	AM2505FM	28		MON	2.0%	.80*	0.0	5.0	725m%	-55	125	K288	FP105	4x2 bit 2s Complement Multiplier.
109	AM2505PC	28		MON	2.0%	.80*	0.0	5.0	650m%	0	70	K288	M197a	4x2 bit 2s Complement Multiplier.
110	DM7875AD	28		MON	2.0%	.80*	0.0	5.0	375mt	-55	125	K15473	M346a	Tri-State 4 Bit Multiplier;tpd 60ns max.

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	DM7875BD	28		MON	2.0%	.80*	0.0	5.0	375mt	-55	125	K15473	M346a	Tri-State 4 Bit Multiplier;tpd 60ns max.
2	DM8875AJ	28		MON	2.0%	.80*	0.0	5.0	375mt	0	70	K15473	M200r	Tri-State 4 Bit Multiplier;tpd 60ns max.
3	DM8875AN	28		MON	2.0%	.80*	0.0	5.0	375mt	0	70	K15473	M345	Tri-State 4 Bit Multiplier;tpd 60ns max.
4	DM8875BJ	28		MON	2.0%	.80*	0.0	5.0	375mt	0	70	K15473	M200r	Tri-State 4 Bit Multiplier;tpd 60ns max.
5	DM8875BN	28		MON	2.0%	.80*	0.0	5.0	375mt	0	70	K15473	M345	Tri-State 4 Bit Multiplier;tpd 60ns max.
6▼#	FLY181-74284	28		MON	2.0%	.80*	0.0	5.0	650m§	0	70	K2810	M117w	4-Bit-by-4-Bit Par;tpd 60ns max;FO 10 max.
7▼#	FLY181-74285	28		MON	2.0%	.80*	0.0	5.0	650m§	0	70	K2810	M117w	4-Bit-by-4-Bit Par;tpd 60ns max;FO 10 max.
8▼#	FLY185-74284	28		MON	2.0%	.80*	0.0	5.0	650m§	-25	85	K2810a	M117w	4-Bit-by-4-Bit Par;tpd 60ns max;FO 10 max.
9▼#	FLY185-74285	28		MON	2.0%	.80*	0.0	5.0	650m§	-25	85	K2810a	M117w	4-Bit-by-4-Bit Par;tpd 60ns max;FO 10 max.
10	MM54284	28		MON	2.0%	.80*	0.0	5.0	625m%	-55	125	K2810a	M458	4 Bit-by-4 Bit Parallel Binary Multiplier.
11	MM54284J	28		MON	2.0%	.80*	0.0	5.0	625m%	-55	125	K2810a	M200	4 Bit-by-4 Bit Parallel Binary Multiplier.
12	MM54284N	28		MON	2.0%	.80*	0.0	5.0	625m%	-55	125	K2810a	M460	4 Bit-by-4 Bit Parallel Binary Multiplier.
13	MM54285	28		MON	2.0%	.80*	0.0	5.0	625m%	-55	125	K2810	M458	4 Bit-by-4 Bit Parallel Binary Multiplier.
14	MM54285J	28		MON	2.0%	.80*	0.0	5.0	625m%	-55	125	K2810	M200	4 Bit-by-4 Bit Parallel Binary Multiplier.
15	MM54285N	28		MON	2.0%	.80*	0.0	5.0	625m%	-55	125	K2810	M460	4 Bit-by-4 Bit Parallel Binary Multiplier.
16	MM74284	28		MON	2.0%	.80*	0.0	5.0	625m%	0	75	K2810a	M458	4 Bit-by-4 Bit Parallel Binary Multiplier.
17	MM74284J	28		MON	2.0%	.80*	0.0	5.0	625m%	0	75	K2810a	M200	4 Bit-by-4 Bit Parallel Binary Multiplier.
18	MM74284N	28		MON	2.0%	.80*	0.0	5.0	625m%	0	75	K2810a	M460	4 Bit-by-4 Bit Parallel Binary Multiplier.
19	MM74285	28		MON	2.0%	.80*	0.0	5.0	625m%	0	75	K2810	M458	4 Bit-by-4 Bit Parallel Binary Multiplier.
20	MM74285J	28		MON	2.0%	.80*	0.0	5.0	625m%	0	75	K2810	M200	4 Bit-by-4 Bit Parallel Binary Multiplier.
21	MM74285N	28		MON	2.0%	.80*	0.0	5.0	625m%	0	75	K2810	M460	4 Bit-by-4 Bit Parallel Binary Multiplier.
22	N74LS261B	28		MON	2.0%	.80*	0.0	5.0	110mt	0	70	K2813	M317	2 Bit by 4 Bit Parallel.
23	N74LS261F	28		MON	2.0%	.80*	0.0	5.0	110mt	0	70	K2813	M200v	2 Bit by 4 Bit Parallel.
24	S54LS261F	28		MON	2.0%	.80*	0.0	5.0	110mt	-55	125	K2813	M200v	2 Bit by 4 Bit Parallel.
25	S54LS261W	28		MON	2.0%	.80*	0.0	5.0	110mt	-55	125	K2813	Δ004AA	2 Bit by 4 Bit Parallel.
26	SN74LS261J	28		MON	2.0%	.80*	0.0	5.0	110mt	0	70	K2813	M153d	2 by 4 Bit Parallel Bin Mult;tpd 42ns max
27	SN74LS261N	28		MON	2.0%	.80*	0.0	5.0	110mt	0	70	K2813	M117x	2 by 4 Bit Parallel Bin Mult;tpd 42ns max
28	SN74S274N	28		MON	2.0%	.80*	0.0	5.0	525mt	0	70	K2811		4-Bit-By-4-Bit/w 3-State Output.
29	SN54284J	28		MON	2.0%	.80*	0.0	5.0	460m%	-55	125	K2810	M153d	4-Bit-by-4-Bit Parallel;tpd 60ns.
30	SN54284W	28		MON	2.0%	.80*	0.0	5.0	460m%	-55	125	K2810	Δ004AG	4-Bit-by-4-Bit Parallel;tpd 60ns.
31	SN54285J	28		MON	2.0%	.80*	0.0	5.0	460m%	-55	125	K2810a	M153d	4-Bit-by-4-Bit Parallel;tpd 60ns.
32	SN54285W	28		MON	2.0%	.80*	0.0	5.0	460m%	-55	125	K2810a	M117x	4-Bit-by-4-Bit Parallel;tpd 60ns.
33	SN74284J	28		MON	2.0%	.80*	0.0	5.0	460m%	0	70	K2810	M153d	4-Bit-by-4-Bit Parallel;tpd 60ns.
34	SN74284N	28		MON	2.0%	.80*	0.0	5.0	460m%	0	70	K2810	Δ004AG	4-Bit-by-4-Bit Parallel;tpd 60ns.
35	SN74285J	28		MON	2.0%	.80*	0.0	5.0	460m%	0	70	K2810a	M153d	4-Bit-by-4-Bit Parallel;tpd 60ns.
36	SN74285N	28		MON	2.0%	.80*	0.0	5.0	460m%	0	70	K2810a	M117x	4-Bit-by-4-Bit Parallel;tpd 60ns.
37	SN5497J	28	32MΔ%	MON	2.0%	.80*	0.0	5.0	400mt	-55	125		M153d	Synchronous 6 Bit;tpd 20ns typ.
38	SN5497W	28	32MΔ%	MON	2.0%	.80*	0.0	5.0	400mt	-55	125		Δ004AG	Synchronous 6 Bit;tpd 20ns typ.
39	SN7497J	28	32MΔ%	MON	2.0%	.80*	0.0	5.0	400mt	0	70		M153d	Synchronous 6 Bit;tpd 20ns typ.
40	SN7497N	28	32MΔ%	MON	2.0%	.80*	0.0	5.0	400mt	0	70		M117x	Synchronous 6 Bit;tpd 20ns typ.
41	MC14554AL	28		MOS	9.99%	.01*†	0.0	10	100m%	-55	125	K284	M191	2-Bitx2-Bit Parallel Binary Multiplier.
42	MC14554CL	28		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K284	M191	2-Bitx2-Bit Parallel Binary Multiplier.
43	MC14554CP	28		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K284	M278	2-Bitx2-Bit Parallel Binary Multiplier.
44	CD4089BE	29	4.5M%	MOS			0.0	10	200m§	-40	85	K292	Δ001AC	CMS Binary Rate Multiplier.
45#	FLJ331-7497	29	32M%Δ	MON	2.0%	.80*	0.0	5.0	600m§	0	70	E0277	M117w	Programmable 6-Bit;Max Rate 63;tpd39ns max
46#	FLJ471-74167	29	32M%Δ	MON	2.0%	.80*	0.0	5.0	495m§	0	70	K283	M117w	Programmable Decimal;tpd 39ns max.
47	SN54167J	29	32MΔ%	TTL	2.0%	.80*	0.0	5.0	325mt	-55	125		M153d	Synchronous Decade;tpd 32ns typ.
48	SN54167W	29	32MΔ%	TTL	2.0%	.80*	0.0	5.0	325mt	-55	125		Δ004AG	Synchronous Decade;tpd 32ns typ.
49	SN74167J	29	32MΔ%	TTL	2.0%	.80*	0.0	5.0	325mt	0	70		M153d	Synchronous Decade;tpd 32ns typ.
50	SN74167N	29	32MΔ%	TTL	2.0%	.80*	0.0	5.0	325mt	0	70		M117x	Synchronous Decade;tpd 32ns typ.
51#	TL7497N	29	32M†%	MON	2.0%	.80*	0.0	5.0	362mt	0	70	K282	M117u	6 Bit;tpd 39ns max.
52#	TL74167N	29	32M†%	MON	2.0%	.80*	0.0	5.0	283mt	0	75	K283	M117u	Decade Multiplier;tpd 39ns max.
53#	SP521B	29		MON	3.0%	.40*†	0.0	5.0		0	70	K294	M400	Binary Rate Multiplier.
54▼#	MSM5506	29		MOS	3.6%	.80*	0.0	5.0	250u§	-20	70	K295	M256a	BCD Rate Multiplier;tpd 1.0us max.
55▼	CD4527AD	29		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K293	Δ001AE	BCD;tpd 180ns max.
56▼	CD4527AE	29		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K293	Δ001AC	BCD;tpd 180ns max.
57▼	CD4527AF	29		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K293	Δ001AC	BCD;tpd 180ns max.
58▼	CD4527AK	29		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K293	Δ004AG	BCD;tpd 180ns max.
59▼	CD4527AY	29		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K293	Δ001AC	BCD;tpd 180ns max.
60	MC14527AL	29	4.5MΔ%	MOS	9.99%	.01*†	0.0	10	1.0u%	-55	125	K291	M191	BCD Rate Multiplier.
61	MC14527CL	29	4.5MΔ%	MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K291	M191	BCD Rate Multiplier.
62	MC14527CP	29	4.5MΔ%	MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K291	M278	BCD Rate Multiplier.
63▼	CD4527BD	29		MOS	15%	.05*†	0.0	15	200m	-55	125	K293	Δ001AE	BCD;tpd 220ns.
64♦	CD4527BE	29		MOS	15%	.05*†	0.0	15	200m	-55	125	K293	Δ001AC	BCD;tpd 220ns.
65▼	CD4527BF	29		MOS	15%	.05*†	0.0	15	200m	-55	125	K293	Δ001AC	BCD;tpd 220ns.
66▼	CD4527BK	29		MOS	15%	.05*†	0.0	15	200m	-55	125	K293	Δ004AG	BCD;tpd 220ns.
67▼	CD4527BY	29		MOS	15%	.05*†	0.0	15	200m	-55	125	K293	Δ001AC	BCD;tpd 220ns.
68	AD7501JD	30		MOS			15	15	30ut	0	75	K3015		8 Ch Multiplexer;Ron 300Ω.
69	AD7501JN	30		MOS			15	15	30ut	0	75	K3015		8 Ch Multiplexer;Ron 300Ω.
70	AD7501KD	30		MOS			15	15	30ut	0	75	K3015		8 Ch Multiplexer;Ron 300Ω.
71	AD7501KN	30		MOS			15	15	30ut	0	75	K3015		8 Ch Multiplexer;Ron 300Ω.
72	AD7501SD	30		MOS			15	15	30ut	-55	125	K3015		8 Ch Multiplexer;Ron 300Ω.
73	AD7502JD	30		MOS			15	15	30ut	0	75	K3016		4 and 8 Ch Differential Multiplexer.
74	AD7502JN	30		MOS			15	15	30ut	0	75	K3016		4 and 8 Ch Differential Multiplexer.
75	AD7502KD	30		MOS			15	15	30ut	0	75	K3016		4 and 8 Ch Differential Multiplexer.
76	AD7502KN	30		MOS			15	15	30ut	0	75	K3016		4 and 8 Ch Differential Multiplexer.
77	AD7502SD	30		MOS			15	15	30ut	-55	125	K3016		4 and 8 Ch Differential Multiplexer.
78	AD7503JN	30		MOS			15	15	30ut	0	75	K3015		8 Chan Multiplexer;Ron 300Ω.
79	AD7503KN	30		MOS			15	15	30ut	0	75	K3015		8 Chan Multiplexer;Ron 300Ω.
80	AD7506JN	30		MOS			15	15	1.5mt	0	75	K3017		16 Chan Multiplexer;Ron 450Ω.
81	AD7506KN	30		MOS			15	15	1.5mt	0	75	K3017		16 Chan Multiplexer;Ron 450Ω.
82	AD7507JN	30		MOS			15	15	1.5mt	0	75	K3018		4-8 Ch Differential Multiplexer.
83	AD7507KN	30		MOS			15	15	1.5mt	0	75	K3018		4-8 Ch Differential Multiplexer.
84	CD4067BD	30		MOS			5.0	5.0	200m§	-55	125	K305t	M351a	Single 16 Ch Multiplexer /Demultiplexer.
85	CD4097BD	30		MOS			5.0	5.0	200m§	-55	125	K30122	M351a	Diff 8-Ch Multiplexer/Demultiplexer.
86#	GTB74S151	30		MON			0.0	5.0	37mΔ	0	70	K3019		Multiplexer;tpd 3.0ns.
87#	GTB74S153	30		MON			0.0	5.0	37mΔ	0	70	K3023		Double Multiplexer;tpd 3.0ns.
88#	GTB74S157	30		MON			0.0	5.0	37mΔ	0	70	K3024		Quadruple Multiplexer;tpd 3.0ns.
89	MC1238L	30		MON			5.2	0.0	150m	-55	125	K3039	TO116	8 Channel Data Selector.
90	MC8267F	30		MON			0.0	5.0		-55	125	K3040	TO85	2-Input;4-Bit Data Sel.(Open Collector).
91	MC8267L	30		MON			0.0	5.0		-55	125	K3040	M191	2-Input;4-Bit Data Sel.(Open Collector).
92	MC9707P	30		MON			0.0	3.6	150m	0	75	K15285	TO116	Dual 4Channel Data Distributor
93	MC9807P	30		MON			0.0	3.6	150m	15	55	K15285	TO116	Dual 4Channel Data Distributor
94	MMUX1	30		3DM			15	15		-55	85		M175	8 channel multiplexer;Acc.01%;Gain .999.
95	MMUX3	30		3DM			15	15		0	50		M175	8 channel multiplexer;Acc.01%;Gain .999.
96	MU6-2281	30								-65	125	K3035	M171	MTNS 10 Channel Multiplexer.
97	MX02D	30		MOS			30	.30	200m	-55	125		TO87	6 Channel Multiplexer
98	MX03C	30		MOS			30	.30	200m	-55	125		FP34	10 Channel Multiplexer
99	MX52D	30		MOS			15	0.0	475m	-55	150	K3064	TO87	6 Channel Multiplexer;Vth -6.0V max.
100	MX53C	30		MOS			15	0.0	635m	-55	150	K3065	FP81	10 Channel Multiplexer;Vth -6.0V max.
101	VMUX	30		3DM			15	15	1.6 †	-55	85	K3070	FP95	Video Freq.Multiplexer;BW 15MHz min.
102▼	SMX2607	30	1.7kΔØ	PCB			0.0	5.0				K30132	CB☐	8 Channel Multiplexer Card.
103	770-731	30	200k	3DM			0.0	22		0	50		M☐	10 Channel Mx w/Level Converter.
104♦	MUX201	30	750k	3DM			15	15	95m%	0	70	K3073	M309	8 Channel Multiplexer;Settling Time 1.0us
105♦	MUX201MIL	30	750k	3DM			15	15	95m%	-55	125	K3073	M309	8 Channel Multiplexer;Settling Time 1.0us
106	MC9701P	30	18M%	MON			0.0	3.6	100mt	15	55	K3076	M278	Dual 4-Channel Data Selector;RTL;tpd 25ns
107	MC9801P	30	18M%	MON			0.0	3.6	100mt	0	75	K3076	M278	Dual 4-Channel Data Selector;RTL;tpd 25ns.
108	SCL4051AC	30	40M%	MOS			0.0	10	100u%	-55	125	K3053	M475d	Single 8 Ch Multiplexer;tpd 20ns max.
109	SCL4051AD	30	40M%	MOS			0.0	10	100u%	-55	125	K3053	M475e	Single 8 Ch Multiplexer;tpd 20ns max.
110	SCL4051AE	30	40M%	MOS			0.0	10	100u%	-40	85	K3053	M475f	Single 8 Ch Multiplexer;tpd 20ns max.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SCL4051AF	30	40M%	MOS			0.0	10	100u%	-55	125	K3053	FP111	Single 8 Ch Multiplexer;tpd 20ns max.
2	SCL4051AH	30	40M%	MOS			0.0	10	100u%	-55	125	K3053	FC☑	Single 8 Ch Multiplexer;tpd 20ns max.
3	SCL4052AC	30	40M%	MOS			0.0	10	100u%	-55	125	K3054	M475d	Diff 4 Ch Multiplexer;tpd 20ns max.
4	SCL4052AD	30	40M%	MOS			0.0	10	100u%	-55	125	K3054	M475e	Diff 4 Ch Multiplexer;tpd 20ns max.
5	SCL4052AE	30	40M%	MOS			0.0	10	100u%	-40	85	K3054	M475f	Diff 4 Ch Multiplexer;tpd 20ns max.
6	SCL4052AF	30	40M%	MOS			0.0	10	100u%	-55	125	K3054	FP111	Diff 4 Ch Multiplexer;tpd 20ns max.
7	SCL4052AH	30	40M%	MOS			0.0	10	100u%	-55	125	K3054	FC☑	Diff 4 Ch Multiplexer;tpd 20ns max.
8	SCL4053AC	30	40M%	MOS			0.0	10	100u%	-55	125	K3055	M475d	Triple 2-Ch Multiplexer;tpd 20ns max.
9	SCL4053AD	30	40M%	MOS			0.0	10	100u%	-55	125	K3055	M475e	Triple 2-Ch Multiplexer;tpd 20ns max.
10	SCL4053AE	30	40M%	MOS			0.0	10	100u%	-40	85	K3055	M475f	Triple 2-Ch Multiplexer;tpd 20ns max.
11	SCL4053AF	30	40M%	MOS			0.0	10	100u%	-55	125	K3055	FP111	Triple 2-Ch Multiplexer;tpd 20ns max.
12	SCL4053AH	30	40M%	MOS			0.0	10	100u%	-55	125	K3055	FC☑	Triple 2-Ch Multiplexer;tpd 20ns max.
13	N8234B	30		MON		.40†*	0.0	5.0	210m	0	75	K3046	M256	2 Input;4 bit Digital Multiplexer.
14	N8234E	30		MON		.40†*	0.0	5.0	210m	0	75	K3046	M153a	2 Input;4 bit Digital Multiplexer.
15	N8234R	30		MON		.40†*	0.0	5.0	210m	0	75	K3046	FP79a	2 Input;4 bit Digital Multiplexer.
16	N8235B	30		MON		.40†*	0.0	5.0	310m	0	75	K3047	M256	2 Input;4 bit Digital Multiplexer.
17	N8235E	30		MON		.40†*	0.0	5.0	310m	0	75	K3047	M153a	2 Input;4 bit Digital Multiplexer.
18	N8235R	30		MON		.40†*	0.0	5.0	310m	0	75	K3047	FP79a	2 Input;4 bit Digital Multiplexer.
19	S8234B	30		MON		.40†*	0.0	5.0	210m	-55	125	K3046	M256	2 Input;4 bit Digital Multiplexer.
20	S8234E	30		MON		.40†*	0.0	5.0	210m	-55	125	K3046	M153a	2 Input;4 bit Digital Multiplexer.
21	S8234R	30		MON		.40†*	0.0	5.0	210m	-55	125	K3046	FP79a	2 Input;4 Bit Digital Multiplexer.
22	S8235B	30		MON		.40†*	0.0	5.0	310m	-55	125	K3047	M256	2 Input;4 bit Digital Multiplexer.
23	S8235E	30		MON		.40†*	0.0	5.0	310m	-55	125	K3047	M153a	2 Input;4 bit Digital Multiplexer.
24	S8235R	30		MON		.40†*	0.0	5.0	310m	-55	125	K3047	FP79a	2 Input;4 bit Digital Multiplexer.
25	MC4043F	30				.50*†	0.0	5.0	70m†	0	75	K3032	TO86	Dual line selector.
26	MC4043L,P%	30				.50*†	0.0	5.0	70m†	0	75	K3032	TO116	Dual Line Selector.
27	SN54LS153W	30				.60*			31m†			K308	Δ004AG	Dual 4-Line-to-1-Line Data Sel/Multiplexer
28	MM454F	30		MOS	0.0	10	20	8.0	200m	-55	125	K3063	FP97b	Four channel analog commutator.
29	MM554F	30		MOS	0.0	10	20	8.0	200m	0	70	K3063	FP97b	Four channel analog commutator.
30#	M005T1	30		MOS	.30*$		10	0.0		0	70	K30127	TO100	4 Channel Mux;VDS 300mV max.
31#	M009T1	30		MOS	.30*$		10	0.0		0	70	K30128	TO99	2 Channel Mux;VDS 300mV max.
32	MC1028P	30		MON	-.85%	-1.5*†	5.2	0.0	170m†	0	75	K3038	M278	Dual 4Channel Data Selector.
33	MC1029P	30		MON	-.85%	-1.5*†	5.2	0.0	160m†	0	75	K15146	TO116	Data Distributor.
34	MC1038P	30		MON	-.85%	-1.5*†	5.2	0.0	150m†	0	75	K3039	TO116	8 Channel Data Selector.
35	MC1228F	30		MON	-.85%	-1.5*†	5.2	0.0	170m†	-55	125	K3038	FP85	Dual 4Channel Data Selector.
36	MC1228L	30		MON	-.85%	-1.5*†	5.2	0.0	170m†	-55	125	K3038	M191	Dual 4Channel Data Selector.
37	MC1229F	30		MON	-.85%	-1.5*†	5.2	0.0	160m†	-55	125	K15146	TO86	Data Distributor.
38	MC1229L	30		MON	-.85%	-1.5*†	5.2	0.0	160m	-55	125	K15146	TO116	Data Distributor.
39	MC1238F	30		MON	-.85%	-1.5*†	5.2	0.0	150m†	-55	125	K3039	TO86	8Channel Data Selector
40#	GXB10132	30		MON	-.88	-1.7†	5.2	0.0		0	75	K3042	M200f	Dual w/Latch and Common Reset;tpd 2.0ns.
41#	GXB10164	30		MON	-.88	-1.7†	5.2	0.0	310m†	0	75	K303	M200n	ECL,8 Input Multiplexer.
42#	GXB10174	30		MON	-.88	-1.7†	5.2	0.0		0	75	K3043	M200f	Dual 4 to 1;tpd 2.0ns average.
43	MC10564F	30		MON	-.93%	-1.6*†	5.2	0.0	310m†	-55	125	K303	FP85	8-Line Multiplexer;tpd 3.0ns†.
44	MC10564L	30		MON	-.93%	-1.6*†	5.2	0.0	310m†	-55	125	K303	M191	8-Line Multiplexer;tpd 3.0ns†.
45	MC10574F	30		MON	-.93%	-1.6*†	5.2	0.0	305m†	-55	125	K3043a	FP85	Dual 4 to 1 Multiplexer.
46	MC10574L	30		MON	-.93%	-1.6*†	5.2	0.0	305m†	-55	125	K3043	M191	Dual 4 to 1 Multiplexer.
47	10158F	30		MON	-.96%	-1.6*†	5.2	0.0	160m†	-30	85	K30115	M153e	Quad 2-to-1 Multiplexers.
48	10159F	30		MON	-.96%	-1.6*†	5.2	0.0	160m†	-30	85	K30115a	M153e	Quad 2-to-1 Multiplexers.
49	10164F	30		MON	-.96%	-1.6*†	5.2	0.0	290m†	-30	85	K30114	M153e	8 Line to 1 Line Multiplexer w/Enable.
50	10174F	30		MON	-.96%	-1.6*†	5.2	0.0	280m†	-30	85	K30113	M153e	Dual 4 Line to 1 Line Multiplexer w/Enable
51	MC10132L	30		MON	-.96%	-1.6*†	5.2	0.0	225m†	-30	85	K3042	M191	Dual Multiplexer w/Latch and Common Reset.
52	MC10132P	30		MON	-.96%	-1.6*†	5.2	0.0	225m†	-30	85	K3042	M278	Dual Multiplexer w/Latch and Common Reset.
53	MC10134L	30		MON	-.96%	-1.6*†	5.2	0.0	225m†	-30	85	K301	M191	Dual Multiplexer w/Latch.
54	MC10134P	30		MON	-.96%	-1.6*†	5.2	0.0	225m†	-30	85	K301	M278	Dual Multiplexer w/Latch.
55	MC10158L	30		MON	-.96%	-1.6*†	5.2	0.0	197m	-30	85	K30110	M200w	Quad 2-Input Multiplexer;tpd 3.2ns.
56	MC10159L	30		MON	-.96%	-1.6*†	5.2	0.0	218m	-30	85	K30111	M200w	Quad 2 Ch Multiplexer With Enable.
57	MC10164L	30		MON	-.96%	-1.6*†	5.2	0.0	310m†	-30	85	K303	M191	8-Line Multiplexer.
58	MC10164P	30		MON	-.96%	-1.6*†	5.2	0.0	310m†	-30	85	K303	M278	8-Line Multiplexer.
59	MC10173L	30		MON	-.96%	-1.6*†	5.2	0.0	275m†	-30	85	K302	M191	Quad 2 Input Multiplexer/Latch.
60	MC10173P	30		MON	-.96%	-1.6*†	5.2	0.0	275m†	-30	85	K302	M278	Quad 2 Input Multiplexer/Latch.
61	MC10174L	30		MON	-.96%	-1.6*†	5.2	0.0	305m†	-30	85	K3043	M191	Dual 4 to 1 Multiplexer.
62	MC10174P	30		MON	-.96%	-1.6*†	5.2	0.0	305m†	-30	85	K3043	M278	Dual 4 to 1 Multiplexer.
63	SN10158J	30		ECT	-.98%	-1.6*	5.2	0.0		0	85	K30116	M153d	Quad 2-Line-to-1-Line Multiplexer.
64	SN10158N	30		ECT	-.98%	-1.6*	5.2	0.0		0	85	K30116	M117x	Quad 2-Line-to-1-Line Multiplexer.
65	SN10159J	30		ECT	-.98%	-1.6*	5.2	0.0		0	85	K30118a	M153d	Quad 2-Line-to-1-Line Multiplexer(Inv Out)
66	SN10159N	30		ECT	-.98%	-1.6*	5.2	0.0		0	85	K30118a	M117x	Quad 2-Line-to-1-Line Multiplexer(Inv Out)
67	SN10164AJ	30		MON	-.98%	-1.6*	5.2	0.0	156m†	0	85	K30120	M153d	8-Line-to-1-Line Multiplexer.
68	SN10164AN	30		MON	-.98%	-1.6*	5.2	0.0	156m†	0	85	K30120	M117x	8-Line-to-1-Line Multiplexer.
69	SN10167J	30		ECT	-.98%	-1.6*	5.2	0.0		0	85	K30118	M153d	Quad 2-Line-to-1-Line Multiplexer.
70	SN10167N	30		ECT	-.98%	-1.6*	5.2	0.0		0	85	K30118	M117x	Quad 2-Line-to-1-Line Multiplexer.
71	SN10173J	30		ECT	-.98%	-1.6*	5.2	0.0		0	85	K30119	M153d	Quad 2-Line-to-1-Line Multiplexer/Latch.
72	SN10173N	30		ECT	-.98%	-1.6*	5.2	0.0		0	85	K30119	M117x	Quad 2-Line-to-1-Line Multiplexer/Latch.
73	SN10174AJ	30		MON	-.98%	-1.6*	5.2	0.0	187m†	0	85	K30121	M153d	Dual 4-Line-to-1-Line Multiplexer.
74	SN10174AN	30		MON	-.98%	-1.6*	5.2	0.0	187m†	0	85	K30121	M117x	Dual 4-Line-to-1-Line Multiplexer.
75#	T163D2	30		MON	1.4%	.90*	0.0	5.0	135m†	-55	125	K3013	M200m	8 Inp Multiplexer;tpd 36ns max.
76▼	N9309B	30		MON	1.6%	.85*	0.0	5.0	150m†	0	75	K3087	M317	Dual 4 Input;tpd 36ns max.
77▼	N9309F	30		MON	1.6%	.85*	0.0	5.0	150m†	0	75	K3087	M200v	Dual 4 Input;tpd 36ns max.
78▼	N9309W	30		MON	1.6%	.85*	0.0	5.0	150m†	0	75	K3087	FP47g	Dual 4 Input;tpd 36ns max.
79#	T163B1	30		MON	1.6%	.85*	0.0	5.0	135m†	0	75	K3013	M267	8 Inp Multiplexer;tpd 36ns max.
80#	T163D1	30		MON	1.6%	.85*	0.0	5.0	135m†	0	75	K3013	M200m	8 Inp Multiplexer;tpd 36ns max.
81#	MIC9322-1D	30		MON	1.7%	.90*	0.0	5.0	215m	-55	125	K3011	M153a	Quad Multiplexer.
82	T220	30	20M	PCB	1.7	.90	0.0	5.0	600m	0	70		CB☑	8 Input Multiplexer.
83	T222	30	20M	PCB	1.7	.90	0.0	5.0	645m	0	70		CB☑	Quad 2 Input Multiplexer.
84	93L09FC	30	5.0M%	MON	1.8%	.75*	0.0	5.0	55m	0	75	K3010	FP47b	Low Power;Dual 4 Input Multiplexer.
85	93L12FC	30	5.0M%	MON	1.8%	.75*	0.0	5.0	62m	0	75	K305k	FP47b	Low Power;8 Input Multiplexer.
86	93L22FC	30	5.0M%	MON	1.8%	.75*	0.0	5.0	62m	0	75	K3011	FP47b	Low Power;Quad 2 Input Multiplexer.
87#	MIC9322-5D	30		MON	1.8%	.85*	0.0	5.0	225m	0	75	K3011	M153a	Quad Multiplexer.
88	9309FC	30	20M%	MON	1.8%	.85*	0.0	5.0	200m	0	75	K3010	FP47a	Dual 4 Input Multiplexer.
89	9312FC	30	20M%	MON	1.8%	.85*	0.0	5.0	215m	0	75	K3013	FP47a	8 Input Multiplexer.
90	9322FC	30	20M%	MON	1.8%	.85*	0.0	5.0	225m	0	75	K3011	FP47b	Quad 2 Input Multiplexer.
91#	T164B1	30		MON	1.9%	.85*	0.0	5.0	215m$	0	75	K3010	M267	Dual 4 Inp Multiplexer;tpd 32ns max.
92#	T164D1	30		MON	1.9%	.85*	0.0	5.0	215m$	0	75	K3010	M200m	Dual 4 Inp Multiplexer;tpd 32ns max.
93	6470	30		PCB	2.0%	.45*	15	15	1.3	0	70	K3067	CB62	10 Channel Analog Multiplexer.
94	HS9P1000	30		MON	2.0%	.50*	15	5.0	200m†	-55	125	K3030	FP100	16 Chan Analog;R(on)500Ω;Access 500ns.
95	SN54LS151J	30		MON	2.0%	.60*	0.0	5.0	30m†	-55	125	K3079a	M153d	Data Selectors/Multiplexers.
96	SN54LS151W	30		MON	2.0%	.60*	0.0	5.0	30m†	-55	125	K3079a	Δ004AG	Data Selectors/Multiplexers.
97	SN54LS152W	30		MON	2.0%	.60*	0.0	5.0	28m†	-55	125	K3080a	Δ004AA	Data Selectors/Multiplexers.
98	SN54LS153J	30		MON	2.0%	.60*	0.0	5.0	31m†	-55	125	K308	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
99	SN54LS253J	30		MON	2.0%	.60*	0.0	5.0	35m†	-55	125	K3012	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
100	SN54LS253W	30		MON	2.0%	.60*	0.0	5.0	35m†	-55	125	K3012	Δ004AG	Dual 4-Line-to-1-Line Data Sel/Multiplexer
101	93L09PC	30		MON	2.0%	.70*	0.0	5.0	57m%	0	75	K3010	M357	Dual 4 Input;tpd 70ns max.
102	93L12PC	30		MON	2.0%	.70*	0.0	5.0	45m†	0	75	K3013	M357	8 Input;Io 30mA max;tpd 110ns max.
103	93L22PC	30		MON	2.0%	.70*	0.0	5.0	45m†	0	75	K3011	M357	Quad 2 Input;Io 30mA max;tpd 49ns max.
104▼	AM25LS151DM	30		MON	2.0%	.70*	0.0	5.0	50m	-55	125		M356	8 Input Multiplexer.
105▼	AM25LS151FM	30		MON	2.0%	.70*	0.0	5.0	50m	-55	125		FP79b	8 Input Multiplexer.
106▼	AM25LS153DM	30		MON	2.0%	.70*	0.0	5.0	50m	-55	125		M356	Dual 4-Line to 1-Line Data Sel/Mux.
107▼	AM25LS153FM	30		MON	2.0%	.70*	0.0	5.0	50m	-55	125		FP79b	Dual 4-Line to 1-Line Data Sel/Mux.
108▼	AM25LS157DM	30		MON	2.0%	.70*	0.0	5.0	80m	-55	125		M356	Quad 2-Line to 1-Line Data Sel/Mux.
109▼	AM25LS157FM	30		MON	2.0%	.70*	0.0	5.0	80m	-55	125		FP79b	Quad 2-Line to 1-Line Data Sel/Mux.
110▼	AM25LS158DM	30		MON	2.0%	.70*	0.0	5.0	40m	-55	125		M356	Quad 2-Line to 1-Line Data Sel/Mux.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	AM25LS158FM	30		MON	2.0%	.70*	0.0	5.0	40m	-55	125		FP79b	Quad 2-Line to 1-Line Data Sel/Mux.
2▼	AM25LS251DM	30		MON	2.0%	.70*	0.0	5.0	60m	-55	125		M356	8 Input Multiplexer.
3▼	AM25LS251FM	30		MON	2.0%	.70*	0.0	5.0	60m	-55	125		FP79b	8 Input Multiplexer.
4▼	AM25LS253DM	30		MON	2.0%	.70*	0.0	5.0	60m	-55	125		M356	Dual 4-Line to 1-Line Data Sel/Mux.
5▼	AM25LS253FM	30		MON	2.0%	.70*	0.0	5.0	60m	-55	125		FP79b	Dual 4-Line to 1-Line Data Sel/Mux.
6▼	AM25LS257DM	30		MON	2.0%	.70*	0.0	5.0	76m	-55	125		M356	Quad 2-to 1-Line Data Sel/Mux w/3-State.
7▼	AM25LS257FM	30		MON	2.0%	.70*	0.0	5.0	76m	-55	125		FP79b	Quad 2-to-1 Line Data Sel/Mux w/3-State.
8▼	AM25LS258DM	30		MON	2.0%	.70*	0.0	5.0	56m	-55	125		M356	Quad 2-to 1-Line Data Sel/Mux w/3-State.
9▼	AM25LS258FM	30		MON	2.0%	.70*	0.0	5.0	56m	-55	125		FP79b	Quad 2-to 1-Line Data Sel/Mux w/3-State.
10	DM71L22F	30		MON	2.0%	.70*	0.0	5.0	20m%	-55	125	K3011	FP88b	Quad Mux;FO 20;tpd 140ns max.
11	DM71L22J	30		MON	2.0%	.70*	0.0	5.0	20m%	-55	125	K3011	M200r	Quad Mux;FO 20;tpd 140ns max.
12	DM71L22N	30		MON	2.0%	.70*	0.0	5.0	20m%	-55	125	K3011	M345	Quad Mux;FO 20;tpd 140ns max.
13	DM71L23F	30		MON	2.0%	.70*	0.0	5.0	26m%	-55	125	K3044	FP88b	Tri-State Mux;FO 20;tpd 140ns max.
14	DM71L23J	30		MON	2.0%	.70*	0.0	5.0	26m%	-55	125	K3044	M200r	Tri-State Mux;FO 20;tpd 140ns max.
15	DM71L23N	30		MON	2.0%	.70*	0.0	5.0	26m%	-55	125	K3044	M345	Tri-State Mux;FO 20;tpd 140ns max.
16	DM81L22F	30		MON	2.0%	.70*	0.0	5.0	20m%	0	70	K3011	FP88b	Quad Mux;FO 20;tpd 140ns max.
17	DM81L22J	30		MON	2.0%	.70*	0.0	5.0	20m%	0	70	K3011	M200r	Quad Mux;FO 20;tpd 140ns max.
18	DM81L22N	30		MON	2.0%	.70*	0.0	5.0	20m%	0	70	K3011	M345	Quad Mux;FO 20;tpd 140ns max.
19	DM81L23F	30		MON	2.0%	.70*	0.0	5.0	26m%	0	70	K3044	FP88b	Tri-State Mux;FO 20;tpd 140ns max.
20	DM81L23J	30		MON	2.0%	.70*	0.0	5.0	26m%	0	70	K3044	M200r	Tri-State Mux;FO 20;tpd 140ns max.
21	DM81L23N	30		MON	2.0%	.70*	0.0	5.0	26m%	0	70	K3044	M345	Tri-State Mux;FO 20;tpd 140ns max.
22	SN54LS158J	30		MON	2.0%	.70*	0.0	5.0	24m†	-55	125	K30106	M153d	2 to 1 Line Data Selec/Mux;tpd 24ns max.
23	SN54LS158W	30		MON	2.0%	.70*	0.0	5.0	24m†	-55	125	K30106	Δ004AG	2 to 1 Line Data Selec/Mux;tpd 24ns max.
24	SN54LS251J	30		MON	2.0%	.70*	0.0	5.0	35m%	-55	125	K3019	M153d	Data Sel/Multiplexer w/3-State Output.
25	SN54LS251W	30		MON	2.0%	.70*	0.0	5.0	35m%	-55	125	K3019	Δ004AG	Data Sel/Multiplexer w/3-State Output.
26	SN54LS257J	30		MON	2.0%	.70*	0.0	5.0	50m†	-55	125	K309	M153d	2 to 1 Line Data Selec/Mux;tpd 30ns max.
27	SN54LS257W	30		MON	2.0%	.70*	0.0	5.0	50m†	-55	125	K309	Δ004AG	2 to 1 Line Data Selec/Mux;tpd 30ns max.
28	SN54LS258J	30		MON	2.0%	.70*	0.0	5.0	35m†	-55	125	K3014	M153d	2 to 1 Line Data Selec/Mux;tpd 30ns max.
29	SN54LS258W	30		MON	2.0%	.70*	0.0	5.0	35m†	-55	125	K3014	Δ004AG	2 to 1 Line Data Selec/Mux;tpd 30ns max.
30	SN54LS298J	30		MON	2.0%	.70*	0.0	5.0	65m†	-55	125	K3086	M153d	Quad Mux w/Storage;tpd 32ns max.
31	SN54LS298W	30		MON	2.0%	.70*	0.0	5.0	65m†	-55	125	K3086	Δ004AG	Quad Mux w/Storage;tpd 32ns max.
32▼	SN54LS352J	30		MON	2.0%	.70*	0.0	5.0	55m	-55	125	K308	M153d	Dual 4 to 1 Line Data Selector/Multiplexer
33▼	SN54LS352W	30		MON	2.0%	.70*	0.0	5.0	55m	-55	125	K308	FP98b	Dual 4 to 1 Line Data Selector/Multiplexer
34▼	SN54LS353J	30		MON	2.0%§	.70*	0.0	5.0	77m	-55	125	K308	M153d	Dual 4 to 1 Line Data Selector/Multiplexer
35▼	SN54LS353W	30		MON	2.0%§	.70*	0.0	5.0	77m	-55	125	K308	FP98b	Dual 4 to 1 Line Data Selector/Multiplexer
36	93L09DC	30	5.0M%	MON	2.0%	.70*	0.0	5.0	57m%	0	75	K3010	M224c	Dual 4 Input;tpd 70ns max.
37	93L12DC	30	5.0M%	MON	2.0%	.70*	0.0	5.0	45m†	0	75	K3013	M224c	8 Input;lo 30mA max;tpd 110ns max.
38	93L22DC	30	5.0M%	MON	2.0%	.70*	0.0	5.0	45m†	0	75	K3011	M224c	Quad 2 Input;lo 30mA max;tpd 49ns max.
39	93L09DM	30	7.0M%	MON	2.0%	.70*	0.0	5.0	57m%	-55	125	K3010	M224c	Dual 4 Input;tpd 70ns max.
40	93L09FM	30	7.0M%	MON	2.0%	.70*	0.0	5.0	57m%	-55	125	K3010	FP79b	Dual 4 Input;tpd 70ns max.
41	93L12DM	30	7.0M%	MON	2.0%	.70*	0.0	5.0	45m†	-55	125	K3013	M224c	8 Input;lo 30mA max;tpd 110ns max.
42	93L12FM	30	7.0M%	MON	2.0%	.70*	0.0	5.0	45m†	-55	125	K3013	FP79b	8 Input;lo 30mA max;tpd 110ns max.
43	93L22DM	30	7.0M%	MON	2.0%	.70*	0.0	5.0	45m†	-55	125	K3011	M224c	Quad 2 Input;lo 30mA max;tpd 49ns max.
44	93L22FM	30	7.0M%	MON	2.0%	.70*	0.0	5.0	45m†	-55	125	K3011	FP79b	Quad 2 Input;lo 30mA max;tpd 49ns max.
45	DM54L98F	30	12MΔ%	MON	2.0%	.70*	0.0	5.0	30m†	-55	125	K3026	FP88b	4 Bit Data Selector/Storage Register.
46	DM54L98J	30	12MΔ%	MON	2.0%	.70*	0.0	5.0	30m†	-55	125	K3026	M200r	4 Bit Data Selector/Storage Register.
47	DM54L98N	30	12MΔ%	MON	2.0%	.70*	0.0	5.0	30m†	-55	125	K3026	M345	4 Bit Data Selector/Storage Register.
48	DM74L98F	30	12MΔ%	MON	2.0%	.70*	0.0	5.0	30m†	0	70	K3026	FP88b	4 Bit Data Selector/Storage Register.
49	DM74L98J	30	12MΔ%	MON	2.0%	.70*	0.0	5.0	30m†	0	70	K3026	M200r	4 Bit Data Selector/Storage Register.
50	DM74L98N	30	12MΔ%	MON	2.0%	.70*	0.0	5.0	30m†	0	70	K3026	M345	4 Bit Data Selector/Storage Register.
51	SN54L98J	30	30MΔØ	MON	2.0%	.70*	0.0	5.0	25m†	-55	125	K3026	M153	4 Bit Data Selectors/Storage Registers.
52	SN74L98J	30	30MΔØ	MON	2.0%	.70*	0.0	5.0	25m†	0	70	K3026	M153d	4-Bit Data Selectors/Storage Registers.
53	SN74L98N	30	30MΔØ	MON	2.0%	.70*	0.0	5.0	25m†	0	70	K3026	M117x	4-Bit Data Selectors/Storage Registers.
54	9309PC	30		MON	2.0%	.80*	0.0	5.0	220m%	0	75	K3010	M357	Dual 4 Input;lo 30mA max;tpd 32ns max.
55	9312PC	30		MON	2.0%	.80*	0.0	5.0	220m%	0	75	K3013	M357	8 Input;lo 30mA max;tpd 34ns max.
56	9313DC	30			2.0%	.80*	0.0	5.0	235m%	0	75	K305k	M200	8 Input Multiplexer;tpd 45ns max.
57	9313DM	30			2.0%	.80*	0.0	5.0	235m%	-55	125	K305k	M200	8 Input Multiplexer;tpd 40ns max.
58	9313FC	30		MON	2.0%	.80*	0.0	5.0	235m§	0	75	K305k	FP47b	8 Input Multiplexer;tpd 45ns max.
59	9313FM	30			2.0%	.80*	0.0	5.0	235m%	-55	125	K305k	FP47b	8 Input Multiplexer;tpd 40ns max.
60	9322PC	30		MON	2.0%	.80*	0.0	5.0	235m%	0	75	K3011	M357	2 Input;lo 30mA max;tpd 31ns max.
61	93150DC	30		MON	2.0%	.80*	0.0	5.0	200m†	0	70	K307	M199	16 Input Multiplexer.
62	93150DM	30		MON	2.0%	.80*	0.0	5.0	200m†	-55	125	K307	M199	16 Input Multiplexer.
63	93150FC	30		MON	2.0%	.80*	0.0	5.0	200m†	0	70	K307	FP66a	16 Input Multiplexer.
64	93150FM	30		MON	2.0%	.80*	0.0	5.0	200m†	-55	125	K307	FP66a	16 Input Multiplexer.
65	93151DC	30		MON	2.0%	.80*	0.0	5.0	145m†	0	70	K3019	M200	8 Input Multiplexer.
66	93151DM	30		MON	2.0%	.80*	0.0	5.0	145m†	-55	125	K3019	M200	8 Input Multiplexer.
67	93151FC	30		MON	2.0%	.80*	0.0	5.0	145m†	0	70	K3019	FP47b	8 Input Multiplexer.
68	93151FM	30		MON	2.0%	.80*	0.0	5.0	145m†	-55	125	K3019	FP47b	8 Input Multiplexer.
69	93152DC	30		MON	2.0%	.80*	0.0	5.0	130m†	0	70	K3037	M105ad	8 Input Multiplexer.
70	93152DM	30		MON	2.0%	.80*	0.0	5.0	130m†	-55	125	K3037	M105ad	8 Input Multiplexer.
71	93152FC	30		MON	2.0%	.80*	0.0	5.0	130m†	0	70	K3037	FP115	8 Input Multiplexer.
72	93152FM	30		MON	2.0%	.80*	0.0	5.0	130m†	-55	125	K3037	FP115	8 Input Multiplexer.
73	93153DC	30		MON	2.0%	.80*	0.0	5.0	180m†	0	70	K308	M200	Dual 4 Input Data Selector/Multiplexer.
74	93153DM	30		MON	2.0%	.80*	0.0	5.0	180m†	-55	125	K308	M200	Dual 4 Input Data Selector/Multiplexer.
75	93153FC	30		MON	2.0%	.80*	0.0	5.0	180m†	0	70	K308	FP47b	Dual 4 Input Data Selector/Multiplexer.
76	93153FM	30		MON	2.0%	.80*	0.0	5.0	180m†	-55	125	K308	FP47b	Dual 4 Input Data Selector/Multiplexer.
77▼	AM25LS151DC	30		MON	2.0%	.80*	0.0	5.0	50m	0	70		M356	8 Input Multiplexer.
78▼	AM25LS151PC	30		MON	2.0%	.80*	0.0	5.0	50m	0	70		M357	8 Input Multiplexer.
79▼	AM25LS153DC	30		MON	2.0%	.80*	0.0	5.0	50m	0	70		M356	Dual 4-Line to 1-Line Data Sel/Mux.
80▼	AM25LS153PC	30		MON	2.0%	.80*	0.0	5.0	50m	0	70		M357	Dual 4-Line to 1-Line Data Sel/Mux.
81▼	AM25LS157DC	30		MON	2.0%	.80*	0.0	5.0	80m	0	70		M356	Quad 2-Line to 1-Line Data Sel/Mux.
82▼	AM25LS157PC	30		MON	2.0%	.80*	0.0	5.0	80m	0	70		M357	Quad 2-Line to 1-Line Data Sel/Mux.
83▼	AM25LS158DC	30		MON	2.0%	.80*	0.0	5.0	40m	0	70		M356	Quad 2-Line to 1-Line Data Sel/Mux.
84▼	AM25LS158PC	30		MON	2.0%	.80*	0.0	5.0	40m	0	70		M357	Quad 2-Line to 1-Line Data Sel/Mux.
85▼	AM25LS251DC	30		MON	2.0%	.80*	0.0	5.0	60m	0	70		M356	8 Input Multiplexer.
86▼	AM25LS251PC	30		MON	2.0%	.80*	0.0	5.0	60m	0	70		M357	8 Input Multiplexer.
87▼	AM25LS253DC	30		MON	2.0%	.80*	0.0	5.0	60m	0	70		M356	Dual 4-Line to 1-Line Data Sel/Mux.
88▼	AM25LS253PC	30		MON	2.0%	.80*	0.0	5.0	60m	0	70		M357	Dual 4-Line to 1-Line Data Sel/Mux.
89▼	AM25LS257DC	30		MON	2.0%	.80*	0.0	5.0	76m	0	70		M356	Quad 2-to 1-Line Data Sel/Mux w/3-State.
90▼	AM25LS257PC	30		MON	2.0%	.80*	0.0	5.0	76m	0	70		M357	Quad 2-to 1-Line Data Sel/Mux w/3-State.
91▼	AM25LS258DC	30		MON	2.0%	.80*	0.0	5.0	56m	0	70		M356	Quad 2-to 1-Line Data Sel/Mux w/3-State.
92▼	AM25LS258PC	30		MON	2.0%	.80*	0.0	5.0	56m	0	70		M357	Quad 2-to 1-Line Data Sel/Mux w/3-State.
93♦	DG506AR	30		MOS	2.0	.80	15	15	1.2	-55	125	K305c	M536	16-Chan.Mulitplexer;ton 1.5us;toff 1.0us.
94♦	DG506BR	30		MOS	2.0	.80	15	15	1.2	-20	85	K305c	M536	16-Chan.Multiplexer;ton 1.5us;toff 1.0us.
95▼	DG506CJ	30		MOS	2.0%	.80*	15	15	750m	0	70	K305c	M478a	16-Chan Multiplexer;ton 1.5us;toff 1.0us.
96♦	DG507AR	30		MOS	2.0	.80	15	15	1.2	-55	125	K305n	M536	8-Chan.Diff.Mux;ton 1.5us;toff 1.0us.
97♦	DG507BR	30		MOS	2.0	.80	15	15	1.2	-20	85	K305n	M536	8-Chan.Diff.Mux.;ton 1.5us;toff 1.0us.
98▼	DG507CJ	30		MOS	2.0%	.80*	15	15	750m	0	70	K305n	M478a	8-Chan Diff Mux;ton 1.5us;toff 1.0us.
99	DG508AP	30		MOS	2.0	.80	15	15	1.2	-55	125	K3057	TO116	CMS 8-Chan Multipl;ton1.5usmax;toff1.0us.
100	DG508BP	30		MOS	2.0	.80	15	15	1.2	-55	125	K3057	TO116	CMS 8-Chan Multipl;ton800ns;toff 300ns.
101	DG508CJ	30		MOS	2.0	.80	15	15	470m	0	70	K3057	TO116	CMS 8-Chan Multiplexer;ton800ns;toff300ns
102	DG509AP	30		MOS	2.0	.80	15	15	1.2	-55	125	K3058	TO116	CMS 4-Chan Diff.Multipl;ton1.5us max.
103	DG509BP	30		MOS	2.0	.80	15	15	1.2	-55	125	K3058	TO116	CMS 4-Chan.Diff Multipl;ton800ns;toff300ns
104	DG509CJ	30		MOS	2.0	.80	15	15	470m	0	70	K3058	TO116	CMS 4-Chan Diff.Multipl;ton800ns;toff300ns
105	DG511AP	30		MOS	2.0	.80	20	10	1.2	-55	125	K305p	TO116	4-Chan.Diff.Ana.Mux;ton 1.2us;toff 400ns.
106	DG511BP	30		MOS	2.0	.80	20	10	1.2	-20	85	K305p	TO116	4-Chan.Diff.Ana.Mux.;ton 1.4us;toff 400ns
107	DM74S151N	30		MON	2.0%	.80*	0.0	5.0	350m%	0	70	K3079a	M344	8 Channel Mux;tpd 18ns max.
108	DM74S153N	30		MON	2.0%	.80*	0.0	5.0	350m%	0	70	K308	M344	Dual 14:1 Multiplexer;tpd 18ns max.
109	DM74S157N	30		MON	2.0%	.80*	0.0	5.0	390m%	0	70	K309	M344	Quad 2:1 Mux;tpd 15ns max.
110	DM74S158N	30		MON	2.0%	.80*	0.0	5.0	305m%	0	70	K3014	M344	Quad 2:1 Mux;tpd 12ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	DM74S251N	30		MON	2.0%	.80*	0.0	5.0	425m%	0	70	K3097	M344	Tri-State 8 Chan Mux;tpd 19ns max.
2	DM74S253N	30		MON	2.0%	.80*	0.0	5.0	350m%	0	70	K3012	M344	Tri-State 14:1Mux;tpd 18ns max.
3	DM74S257N	30		MON	2.0%	.80*	0.0	5.0	495m%	0	70	K3085	M344	Tri-State Quad 2:1;tpd 15ns max.
4	DM74S258N	30		MON	2.0%	.80*	0.0	5.0	435m%	0	70	K3098	M344	Tri-State Quad 2:1 Mux;tpd 12ns max.
5	DM7121J	30		MON	2.0%	.80*	0.0	5.0	150mt	-55	125	K3019	M200r	Tri-State 8 Chan.Dig.Mux;tpd 36ns max.
6	DM7121W	30		MON	2.0%	.80*	0.0	5.0	150mt	-55	125	K3019	FP88a	Tri-State 8 Chan.Dig.Mux;tpd 36ns max.
7	DM7123J	30		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K309	M200r	Tri-State Quad Mux;tpd 24ns max.
8	DM7123W	30		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K309	FP88a	Tri-State Quad Mux;tpd 24ns max.
9	DM7214J	30		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K308	M200r	Tri-State 4:1 Mux;tpd 34ns max.
10	DM7214W	30		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K308	FP88a	Tri-State 4:1 Mux;tpd 34ns max.
11	DM7219D	30		MON	2.0%	.80*	0.0	5.0	225mt	-55	125	K307	M400	Tri-State 16 to 1 Line Mux;tpd 35ns max.
12	DM7219F	30		MON	2.0%	.80*	0.0	5.0	225mt	-55	125	K307	FP107a	Tri-State 16 to 1 Line Mux;tpd 35ns max.
13	DM7223J	30		MON	2.0%	.80*	0.0	5.0	205m%	-55	125	K3095	M200r	1 to 8 Line DeMux;tpd 35ns max.
14	DM7230J	30		MON	2.0%	.80*	0.0	5.0	375m%	-55	125	K3096	M200r	Tri-State DeMux;tpd 36ns max.
15	DM7230W	30		MON	2.0%	.80*	0.0	5.0	375m%	-55	125	K3096	FP88a	Tri-State DeMux;tpd 36ns max.
16	DM8121J	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K3019	M200r	Tri-State 8 Chan.Dig.Mux;tpd 36ns max.
17	DM8121N	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K3019	M345	Tri-State 8 Chan.Dig.Mux;tpd 36ns max.
18	DM8121W	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K3019	FP88a	Tri-State 8 Chan.Dig.Mux;tpd 36ns max.
19	DM8123F	30		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K309	FP88b	Tri-State Quad Mux;tpd 24ns max.
20	DM8123J	30		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K309	M200r	Tri-State Quad Mux;tpd 24ns max.
21	DM8123N	30		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K309	M345	Tri-State Quad Mux;tpd 24ns max.
22	DM8214N	30		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K308	M345	Tri-State 4:1 Mux;tpd 34ns max.
23	DM8214W	30		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K308	FP88a	Tri-State 4:1 Mux;tpd 34ns max.
24	DM8219D	30		MON	2.0%	.80*	0.0	5.0	225mt	0	70	K307	M400	Tri-State 16 to 1 Line Mux;tpd 35ns max.
25	DM8219F	30		MON	2.0%	.80*	0.0	5.0	225mt	0	70	K307	FP107a	Tri-State 16 to 1 Line Mux;tpd 35ns max.
26	DM8219N	30		MON	2.0%	.80*	0.0	5.0	225mt	0	70	K307	M396	Tri-State 16 to 1 Line Mux;tpd 35ns max.
27	DM8223J	30		MON	2.0%	.80*	0.0	5.0	205m%	0	70	K3095	M200r	1 to 8 Line DeMux;tpd 35ns max.
28	DM8223N	30		MON	2.0%	.80*	0.0	5.0	205m%	0	70	K3095	M345	1 to 8 Line DeMux;tpd 35ns max.
29	DM8230J	30		MON	2.0%	.80*	0.0	5.0	375m%	0	70	K3096	M200r	Tri-State DeMux;tpd 36ns max.
30	DM8230N	30		MON	2.0%	.80*	0.0	5.0	375m%	0	70	K3096	M345	Tri-State DeMux;tpd 36ns max.
31	DM8309J	30		MON	2.0%	.80*	0.0	5.0	220m%	0	70	K3010	M200r	4 Inp Mux;FO 10;tpd 35ns max.
32	DM8309N	30		MON	2.0%	.80*	0.0	5.0	220m%	0	70	K3010	M345	4 Inp Mux;FO 10;tpd 35ns max.
33	DM8309W	30		MON	2.0%	.80*	0.0	5.0	220m%	0	70	K3010	FP88a	4 Inp Mux;FO 10;tpd 35ns max.
34	DM8312J	30		MON	2.0%	.80*	0.0	5.0	220m%	0	70	K3019a	M200r	8 Inp Mux;FO 10;tpd 34ns max.
35	DM8312N	30		MON	2.0%	.80*	0.0	5.0	220m%	0	70	K3019a	M345	8 Inp Mux;FO 10;tpd 34ns max.
36	DM8312W	30		MON	2.0%	.80*	0.0	5.0	220m%	0	70	K3019a	FP88a	8 Inp Mux;FO 10;tpd 34ns max.
37	DM8322J	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K309	M200r	Quad 2 Inp Mux;tpd 27ns max.
38	DM8322N	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K309	M345	Quad 2 Inp Mux;tpd 27ns max.
39	DM8322W	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K309	FP88a	Quad 2 Inp Mux;tpd 27ns max.
40	DM9309J	30		MON	2.0%	.80*	0.0	5.0	220m%	-55	125	K3010	M200r	4 Inp Mux;FO 10;tpd 35ns max.
41	DM9309N	30		MON	2.0%	.80*	0.0	5.0	220m%	-55	125	K3010	M345	4 Inp Mux;FO 10;tpd 35ns max.
42	DM9309W	30		MON	2.0%	.80*	0.0	5.0	220m%	-55	125	K3010	FP88a	4 Inp Mux;FO 10;tpd 35ns max.
43	DM9312J	30		MON	2.0%	.80*	0.0	5.0	220m%	-55	125	K3019a	M200r	8 Inp Mux;FO 10;tpd 34ns max.
44	DM9312N	30		MON	2.0%	.80*	0.0	5.0	220m%	-55	125	K3019a	M345	8 Inp Mux;FO 10;tpd 34ns max.
45	DM9312W	30		MON	2.0%	.80*	0.0	5.0	220m%	-55	125	K3019a	FP88a	8 Inp Mux;FO 10;tpd 34ns max.
46	DM9322J	30		MON	2.0%	.80*	0.0	5.0	150mt	-55	125	K309	M200r	Quad 2 Inp Mux;tpd 27ns max.
47	DM9322N	30		MON	2.0%	.80*	0.0	5.0	150mt	-55	125	K309	M345	Quad 2 Inp Mux;tpd 27ns max.
48	DM9322W	30		MON	2.0%	.80*	0.0	5.0	150mt	-55	125	K309	FP88a	Quad 2 Inp Mux;tpd 27ns max.
49	DM54150F	30		MON	2.0%	.80*	0.0	5.0	225mt	-55	125	K307	FP107a	16 to 1 line Multiplexer;tpd 35ns max.
50	DM54150J	30		MON	2.0%	.80*	0.0	5.0	225mt	-55	125	K307	M397	16 to 1 line Multiplexer;tpd 35ns max.
51	DM54151J	30		MON	2.0%	.80*	0.0	5.0	135mt	-55	125	K3079a	M200r	8 Channel Mux;tpd 52ns max.
52	DM54151W	30		MON	2.0%	.80*	0.0	5.0	135mt	-55	125	K3079a	FP88a	8 Channel Mux;tpd 52ns max.
53	DM54153J	30		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K308	M200r	Dual 4:1 Multiplexer;tpd 34ns max.
54	DM54153W	30		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K308	FP88a	Dual 4:1 Multiplexer;tpd 34ns max.
55	DM54155J	30		MON	2.0%	.80*	0.0	5.0	125mt	-55	125	K3094	M200r	Dual 2:4 Demultiplexer;tpd 30ns max.
56	DM54155W	30		MON	2.0%	.80*	0.0	5.0	125mt	-55	125	K3094	FP88a	Dual 2:4 Demultiplexer;tpd 30ns max.
57	DM54156J	30		MON	2.0%	.80*	0.0	5.0	125mt	-55	125	K3094	M200r	Dual 2:4 Demultiplexer;tpd 30ns max.
58	DM54156W	30		MON	2.0%	.80*	0.0	5.0	125mt	-55	125	K3094	FP88a	Dual 2:4 Demultiplexer;tpd 30ns max.
59	DM54157J	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K309	M200r	Quad 2 Inp Mux;tpd 27ns max.
60	DM54157N	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K309	M345	Quad 2 Inp Mux;tpd 27ns max.
61	DM54157W	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K309	FP88a	Quad 2 Inp Mux;tpd 27ns max.
62	DM74150J	30		MON	2.0%	.80*	0.0	5.0	225mt	0	70	K307	M397	16 to 1 line Multiplexer;tpd 35ns max.
63	DM74150N	30		MON	2.0%	.80*	0.0	5.0	225mt	0	70	K307	M396	16 to 1 line Multiplexer;tpd 35ns max.
64	DM74151J	30		MON	2.0%	.80*	0.0	5.0	135mt	0	70	K3079a	M200r	8 Channel Mux;tpd 52ns max.
65	DM74151N	30		MON	2.0%	.80*	0.0	5.0	135mt	0	70	K3079a	M345	8 Channel Mux;tpd 52ns max.
66	DM74151W	30		MON	2.0%	.80*	0.0	5.0	135mt	0	70	K3079a	FP88a	8 Channel Mux;tpd 52ns max.
67	DM74153J	30		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K308	M200r	Dual 4:1 Multiplexer;tpd 34ns max.
68	DM74153N	30		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K308	M345	Dual 4:1 Multiplexer;tpd 34ns max.
69	DM74153W	30		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K308	FP88a	Dual 4:1 Multiplexer;tpd 34ns max.
70	DM74155J	30		MON	2.0%	.80*	0.0	5.0	125mt	0	70	K3094	M200r	Dual 2:4 Demultiplexer;tpd 30ns max.
71	DM74155N	30		MON	2.0%	.80*	0.0	5.0	125mt	0	70	K3094	M345	Dual 2:4 Demultiplexer;tpd 30ns max.
72	DM74155W	30		MON	2.0%	.80*	0.0	5.0	125mt	0	70	K3094	FP88a	Dual 2:4 Demultiplexer;tpd 30ns max.
73	DM74156J	30		MON	2.0%	.80*	0.0	5.0	125mt	0	70	K3094	M200r	Dual 2:4 Demultiplexer;tpd 30ns max.
74	DM74156N	30		MON	2.0%	.80*	0.0	5.0	125mt	0	70	K3094	M345	Dual 2:4 Demultiplexer;tpd 30ns max.
75	DM74156W	30		MON	2.0%	.80*	0.0	5.0	125mt	0	70	K3094	FP88a	Dual 2:4 Demultiplexer;tpd 30ns max.
76	DM74157J	30		MON	2.0%	.80*	0.0	5.0	150mt	-55	125	K309	M200r	Quad 2 Inp Mux;tpd 27ns max.
77	DM74157N	30		MON	2.0%	.80*	0.0	5.0	150mt	-55	125	K309	M345	Quad 2 Inp Mux;tpd 27ns max.
78	DM74157W	30		MON	2.0%	.80*	0.0	5.0	150mt	-55	125	K309	FP88a	Quad 2 Inp Mux;tpd 27ns max.
79▼	DS1648J	30		MOS	2.0%	.80*	0.0	5.0	1.1	-55	125	K3098	M200k	Quad 2-Input Mux w/Tri-State Output.
80▼	DS1678J	30		MOS	2.0%	.80*	0.0	5.0	1.1	-55	125	K3098	M200k	Quad 2-Input Mux w/Tri-State Output.
81▼	DS3648J	30		MOS	2.0%	.80*	0.0	5.0	1.1	0	70	K3098	M200k	Quad 2-Input Mux w/Tri-State Output.
82▼	DS3648N	30		MOS	2.0%	.80*	0.0	5.0	1.0	0	70	K3098	M345	Quad 2-Input Mux w/Tri-State Output.
83▼	DS3678J	30		MOS	2.0%	.80*	0.0	5.0	1.1	0	70	K3098	M200k	Quad 2-Input Mux w/Tri-State Output.
84▼	DS3678N	30		MOS	2.0%	.80*	0.0	5.0	1.0	0	70	K3098	M345	Quad 2-Input Mux w/Tri-State Output.
85♦#	FJB9309	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K3020	M117v	Multiplexer;tpd 32ns;Noise Rej 400mV min.
86♦#	FJB9312	30		MON	2.0%	.80*	0.0	5.0	135mt	0	75	K3022	M117v	Multiplexer;tpd 36ns max.
87♦#	FJB9322	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K3011	M117v	Multiplexer;tpd 20ns;Noise Rej 400mV min.
88▼#	FLJ561-74298	30		MON	2.0%	.80*	0.0	5.0	325mŝ	0	70	K3086	M117w	Quad Mux w/Storage;tpd 32ns max.
89▼#	FLJ565-84298	30		MON	2.0%	.80*	0.0	5.0	325mŝ	-25	85	K3086	M117w	Quad Mux w/Storage;tpd 32ns max.
90#	FLY111-74150	30		MON	2.0%	.80*	0.0	5.0	340mŝ	0	70	K307	M186	16 Line to 1 Line Multiplexer.
91#	FLY115-84150	30		MON	2.0%	.80*	0.0	5.0	340mŝ	-25	85	K307	M186	16 Line to 1 Line Multiplexer.
92♦#	FLY121-74151	30		MON	2.0%	.80*	0.0	5.0	240mŝ	0	70	K305h	M117w	8 Line to 1 Line Multiplexer.
93♦#	FLY125-84151	30		MON	2.0%	.80*	0.0	5.0	240mŝ	-25	85	K305h	M117w	8 Line to 1 Line Multiplexer.
94♦#	FLY131-74153	30		MON	2.0%	.80*	0.0	5.0	300mŝ	0	70	K308	M117w	Dual 4 Line to 1 Line Multiplexer.
95♦#	FLY135-84153	30		MON	2.0%	.80*	0.0	5.0	300mŝ	-25	85	K308	M117w	Dual 4 Line to 1 Line Multiplexer.
96♦#	FLY171-74157	30		MON	2.0%	.80*	0.0	5.0	240mŝ	0	70	K309	M117w	Quadruple 2 Line to 1 Line Multiplexer.
97♦#	FLY175-84157	30		MON	2.0%	.80*	0.0	5.0	240mŝ	-25	85	K309	M117w	Quadruple 2 Lint to 1 Line Multiplexer.
98▼#	GFB74150	30		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K307	M200f	16 Line to 1 Line Multiplexer.
99▼#	GFB74151	30		MON	2.0%	.80*	0.0	5.0	10mΔ	0	75	K3019		Multiplexer;tpd 13ns.
100▼#	GFB74153	30		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K308	M200f	Dual 4 Line to 1 Line Data Selector/Mux.
101▼#	GFB74155	30		MON	2.0%	.80*	0.0	5.0	125mt	0	70	K3094	M117u	Dual Demultiplexer;tpd 32ns max;FO 20 max.
102▼#	GFB74157	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K309	M200f	Quad 2 Line to 1 Line Data Selector/Mux.
103	HRA16-4	30			2.0%	.80*	0.0	5.0	150mŝ	0	70	K3031	M342	16 to 4 Line Multiplexer Unit;tpd 200ns.
104#	M5S151P	30		MON	2.0%	.80*	0.0	5.0	225m%	0	75	K3079a	M153b	8-Line to 1-Line Data Sel/Multiplexer.
105▼#	M5S157P	30		MON	2.0%	.80*	0.0	5.0	250mt	0	75	K30105	M153b	2 to 1 Line Data Selec/Mux (H).
106▼#	M5S158P	30		MON	2.0%	.80*	0.0	5.0	195mt	0	75	K30106	M153b	2 to 1 Line Data Selec/Mux (L).
107	JANM38510/01401BJC	30		MON	2.0%	.80*	0.0	5.5	375m	-55	125	K307	M477	TTL DATA Selector/Multiplexer;tpd 43ns max
108	JANM38510/01401BLB	30		MON	2.0%	.80*	0.0	5.5	375m	-55	125	K307	FP113	TTL Data Selector/Multiplexer;tpd 43ns max

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	JANM38510/01401BZC	30		MON	2.0%	.80*	0.0	5.5	375m	-55	125	K307	FP114	TTL Data Selector/Multiplexer;tpd 43ns max
2	JANM38510/01401CJC													
3	JANM38510/01401CLB	30		MON	2.0%	.80*	0.0	5.5	375m	-55	125	K307	M477	TTL DATA Selector/Multiplexer;tpd 43ns max
4	JANM38510/01401CZC	30		MON	2.0%	.80*	0.0	5.5	375m	-55	125	K307	FP113	TTL Data Selector/Multiplexer;tpd 43ns max
5▼	JANM38510/01402BEA	30		MON	2.0%	.80*	0.0	5.5	375m	-55	125	K307	FP114	TTL Data Selector/Multiplexer;tpd 43ns max
6▼	JANM38510/01402BEB	30		MON	2.0%	.80*	0.0	5.5	268m	-55	125	K3019	M323	TTL DATA Selector/Multiplexer;tpd 49ns max
7♦	JANM38510/01402BEC	30		MON	2.0%	.80*	0.0	5.5	268m	-55	125	K3019	M323	TTL DATA Selector/Multiplexer;tpd 49ns max
8▼	JANM38510/01402BFB	30		MON	2.0%	.80*	0.0	5.5	268m	-55	125	K3019	FP117	TTL DATA Selector/Multiplexer;tpd 49ns max
9♦	JANM38510/01402BFC	30		MON	2.0%	.80*	0.0	5.5	268m	-55	125	K3019	FP117	TTL DATA Selector/Multiplexer;tpd 49ns max
10▼	JANM38510/01402CEA	30		MON	2.0%	.80*	0.0	5.5	268m	-55	125	K3019	M323	TTL DATA Selector/Multiplexer;tpd 49ns max
11▼	JANM38510/01402CEB	30		MON	2.0%	.80*	0.0	5.5	268m	-55	125	K3019	M323	TTL DATA Selector/Multiplexer;tpd 49ns max
12♦	JANM38510/01402CEC	30		MON	2.0%	.80*	0.0	5.5	268m	-55	125	K3019	FP117	TTL DATA Selector/Multiplexer;tpd 49ns max
13▼	JANM38510/01402CFB	30		MON	2.0%	.80*	0.0	5.5	268m	-55	125	K3019	FP117	TTL DATA Selector/Multiplexer;tpd 49ns max
14♦	JANM38510/01402CFC	30		MON	2.0%	.80*	0.0	5.5	268m	-55	125	K3019	FP117	TTL DATA Selector/Multiplexer;tpd 49ns max
15▼	JANM38510/01403BEA	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	M323	TTL DATA Selector/Multiplexer;tpd 44ns max
16	JANM38510/01403BEB	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	M323	TTL DATA Selector/Multiplexer;tpd 44ns max
17	JANM38510/01403BFB	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	FP117	TTL DATA Selector/Multiplexer;tpd 44ns max
18▼	JANM38510/01403CEA	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	M323	TTL DATA Selector/Multiplexer;tpd 44ns max
19	JANM38510/01403CEB	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	M323	TTL DATA Selector/Multiplexer;tpd 44ns max
20	JANM38510/01403CFB													
21▼	JANM38510/01404BEA	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	FP117	TTL DATA Selector/Multiplexer;tpd 44ns max
22♦	JANM38510/01404BEB	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3010	M323	TTL DATA Selector/Multiplexer;tpd 51ns max
23♦	JANM38510/01404BEC	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3010	M323	TTL DATA Selector/Multiplexer;tpd 51ns max
24♦	JANM38510/01404BFB	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3010	M323	TTL DATA Selector/Multiplexer;tpd 51ns max
25♦	JANM38510/01404BFC	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3010	FP117	TTL DATA Selector/Multiplexer;tpd 51ns max
26▼	JANM38510/01404CEA	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3010	FP117	TTL DATA Selector/Multiplexer;tpd 51ns max
27♦	JANM38510/01404CEB	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3010	M323	TTL DATA Selector/Multiplexer;tpd 51ns max
28♦	JANM38510/01404CEC	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3010	M323	TTL DATA Selector/Multiplexer;tpd 51ns max
29♦	JANM38510/01404CFB	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3010	M323	TTL DATA Selector/Multiplexer;tpd 51ns max
30♦	JANM38510/01404CFC	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3010	FP117	TTL DATA Selector/Multiplexer;tpd 51ns max
31▼	JANM38510/01405BEA	30		MON	2.0%	.80*	0.0	5.5	275m	-55	125	K3011	M323	TTL DATA Selector/Multiplexer;tpd 49ns max
32♦	JANM38510/01405BEB	30		MON	2.0%	.80*	0.0	5.5	275m	-55	125	K3011	M323	TTL DATA Selector/Multiplexer;tpd 49ns max
33♦	JANM38510/01405BEC	30		MON	2.0%	.80*	0.0	5.5	275m	-55	125	K3011	M323	TTL DATA Selector/Multiplexer;tpd 49ns max
34♦	JANM38510/01405BFB	30		MON	2.0%	.80*	0.0	5.0	275m	-55	125	K3011	FP117	TTL DATA Selector/Multiplexer;tpd 49ns max
35♦	JANM38510/01405BFC	30		MON	2.0%	.80*	0.0	5.5	275m	-55	125	K3011	FP117	TTL DATA Selector/Multiplexer;tpd 49ns max
36▼	JANM38510/01405CEA	30		MON	2.0%	.80*	0.0	5.5	275m	-55	125	K3011	M323	TTL DATA Selector/Multiplexer;tpd 49ns max
37♦	JANM38510/01405CEB	30		MON	2.0%	.80*	0.0	5.5	275m	-55	125	K3011	M323	TTL DATA Selector/Multiplexer;tpd 49ns max
38♦	JANM38510/01405CEC	30		MON	2.0%	.80*	0.0	5.5	275m	-55	125	K3011	M323	TTL DATA Selector/Multiplexer;tpd 49ns max
39♦	JANM38510/01405CFB	30		MON	2.0%	.80*	0.0	5.5	275m	-55	125	K3011	FP117	TTL DATA Selector/Multiplexer;tpd 49ns max
40♦	JANM38510/01405CFC	30		MON	2.0%	.80*	0.0	5.5	275m	-55	125	K3011	FP117	TTL DATA Selector/Multiplexer;tpd 49ns max
41	JANM38510/10403BFA	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	FP117	TTL Data Selector/Multiplexer;tpd 44ns max
42	JANM38510/10403BFB	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	FP117	TTL Data Selector/Multiplexer;tpd 44ns max
43	JANM38510/10403BFC	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	FP117	TTL Data Selector/Multiplexer;tpd 44ns max
44	JANM38510/10403CFA	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	FP117	TTL Data Selector/Multiplexer;tpd 44ns max
45	JANM38510/10403CFB	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	FP117	TTL Data Selector/Multiplexer;tpd 44ns max
46	JANM38510/10403CFC	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	FP117	TTL Data Selector/Multiplexer;tpd 44ns max
47#	M53350P	30		MON	2.0%	.80*	0.0	5.0	200mt	0	75	K307	M186	16-Line to-1-Line Multiplexer.
48#	M53351P	30		MON	2.0%	.80*	0.0	7.0	145mt	0	75	K305h	M153b	8Bit Data Selector/Multiplexer with Strobe
49#	M53353P	30		MON	2.0%	.80*	0.0	5.0	170mt	0	75	K308	M105j	Dual 4 Line to 1 Line Data Selector/Multi.
50#	M53357P	30		MON	2.0%	.80*	0.0	5.0	150m%	0	75	K309	M153b	Quad 2-to-1-Line Data Sel/Mux,Active H.
51#	M53358P	30		MON	2.0%	.80*	0.0	5.0	150m%	0	75	K3014	M153b	Quad 2-to-1-Line Data Sel/Mux,Active L.
52#	MIC54150J	30		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K307	M197b	One of Sixteen Data Selector/Multiplexer.
53♦#	MIC54151J	30		MON	2.0%	.80*	0.0	5.0	145mt	-55	125	K305h	M153g	One of Eight Data Selector/Multiplexer.
54♦#	MIC54153J	30		MON	2.0%	.80*	0.0	5.0	180mt	-55	125	K308	M153g	Dual One of Four Line Data Sel/Mux.
55♦#	MIC54157J	30		MON	2.0%	.80*	0.0	5.0	140mt	-55	125	K309	M153g	Selector/Multiplexer;tpd27ns max;FO 20 max
56#	MIC64150J	30		MON	2.0%	.80*	0.0	5.0	200mt	-40	85	K307	M197b	One of Sixteen Data Selector/Multiplexer.
57#	MIC64151J	30		MON	2.0%	.80*	0.0	5.0	145mt	-40	85	K305h	M153a	One of Sixteen Data Selector/Multiplexer.
58#	MIC64153J	30		MON	2.0%	.80*	0.0	5.0	170mt	-40	85	K308	M153a	Dual 4 Line to 1 Line Sel./Multiplexer.
59#	MIC64157J	30		MON	2.0%	.80*	0.0	5.0	140mt	-40	85	K309	M153a	Selector/Multiplexer;tpd27ns max;FO 20 max
60#	MIC74150J	30		MON	2.0%	.80*	0.0	5.0	200mt	0	75	K307	M197b	One of Sixteen Data Selector/Multiplexer.
61#	MIC74150N	30		MON	2.0%	.80*	0.0	5.0	200mt	0	75	K307	M186	One of Sixteen Data Selector/Multiplexer.
62♦#	MIC74151J	30		MON	2.0%	.80*	0.0	5.0	145mt	0	75	K305h	M153g	One of Eight Data Selector/Multiplexer.
63♦#	MIC74151N	30		MON	2.0%	.80*	0.0	5.0	145mt	0	75	K305b	M117ab	One of Eight Data Selector/Multiplexer.
64♦#	MIC74153J	30		MON	2.0%	.80*	0.0	5.0	180mt	0	75	K308	M153g	Dual One of Four Line Data Sel/Mux.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦#	MIC74153N	30		MON	2.0%	.80*	0.0	5.0	180m†	0	75	K308	M117ab	Dual One of Four Line Data Sel/Mux.
2♦#	MIC74157J	30		MON	2.0%	.80*	0.0	5.0	140m†	0	75	K309	M153g	Selector/Multiplexer;tpd27ns max;FO 20 max
3♦#	MIC74157N	30		MON	2.0%	.80*	0.0	5.0	140m†	0	75	K309	M117ab	Selector/Multiplexer;tpd27ns max;FO 20 max
4	MPM-8S	30		3DM	2.0%	.80*	15	15		-25	85	K3069	M304a	8-Channel Analog Multiplexer.
5	N74LS151B	30		MON	2.0%	.80*	0.0	5.0	50m†	0	70	K3079a	M317	Lo Power Schottky 1-Out-of-8 Data Sel/Mult
6	N74LS151F	30		MON	2.0%	.80*	0.0	5.0	50m†	0	70	K3079a	M200v	Lo Power Schottky 1-Out-of-8 Data Sel/Mult
7	N74LS153B	30		MON	2.0%	.80*	0.0	5.0	50m†	0	70	K308	M317	LoPwr Shtky Dual 4-to-1 Line Data Sel/Mult
8	N74LS153F	30		MON	2.0%	.80*	0.0	5.0	50m†	0	70	K308	M200v	LoPwr Shtky Dual 4-to-1 Line Data Sel/Mult
9	N74LS251B	30		MON	2.0%§	.80*	0.0	5.0	60m†	0	70	K3019	M317	Lo Power Schottky Data Sel/Mult.
10	N74LS251F	30		MON	2.0%§	.80*	0.0	5.0	60m†	0	70	K3019	M200v	Lo Power Schottky Data Sel/Mult.
11	N74LS253B	30		MON	2.0%	.80*	0.0	5.0	70m†	0	70	K308	M317	LoPwr Shtky Dual 4-to-1 Line Data Sel/Mult
12	N74LS253F	30		MON	2.0%	.80*	0.0	5.0	70m†	0	70	K308	M200v	LoPwr Shtky Dual 4-to-1 Line Data Sel/Mult
13▼	N74S151B	30		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K30103	M317	Selector/Multiplexer;tpd 18ns max.
14▼	N74S151F	30		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K30103	M200v	Selector/Multiplexer;tpd 18ns max.
15▼	N74S151W	30		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K30103	FP47g	Selector/Multiplexer;tpd 18ns max.
16▼	N74S153B	30		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K308	M317	Selector/Multiplexer;tpd 18ns max.
17▼	N74S153F	30		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K308	M200v	Selector/Multiplexer;tpd 18ns max.
18▼	N74S153W	30		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K308	FP47g	Selector/Multiplexer;tpd 18ns max.
19▼	N74S157B	30		MON	2.0%	.80*	0.0	5.0	390m§	0	70	K309	M317	Selector/Multiplexer;tpd 15ns max.
20▼	N74S157F	30		MON	2.0%	.80*	0.0	5.0	390m§	0	70	K309	M200v	Selector/Multiplexer;tpd 15ns max.
21▼	N74S157W	30		MON	2.0%	.80*	0.0	5.0	390m§	0	70	K309	FP47g	Selector/Multiplexer;tpd 15ns max.
22▼	N74S158B	30		MON	2.0%	.80*	0.0	5.0	305m§	0	70	K3014	M317	Selector/Multiplexer;tpd 12ns max.
23▼	N74S158F	30		MON	2.0%	.80*	0.0	5.0	305m§	0	70	K3014	M200v	Selector/Multiplexer;tpd 12ns max.
24▼	N74S158W	30		MON	2.0%	.80*	0.0	5.0	305m§	0	70	K3014	FP47g	Selector/Multiplexer;tpd 12ns max.
25▼	N74S251B	30		MON	2.0%	.80*	0.0	5.0	425m§	0	70	K30103	M317	Selector/Multiplexer;tpd 19.5ns max.
26▼	N74S251F	30		MON	2.0%	.80*	0.0	5.0	425m§	0	70	K30103	M200v	Selector/Multiplexer;tpd 19.5ns max.
27▼	N74S251W	30		MON	2.0%	.80*	0.0	5.0	425m§	0	70	K30103	FP47g	Selector/Multiplexer;tpd 19.5ns max.
28▼	N74S253B	30		MON	2.0%	.80*	0.0	5.0	225m†	0	70	K308	M317	4 to 1 Line Data Sel/Mux;tpd 18ns max.
29▼	N74S253F	30		MON	2.0%	.80*	0.0	5.0	225m†	0	70	K308	M200v	4 to 1 Line Data Sel/Mux;tpd 18ns max.
30▼	N74S253W	30		MON	2.0%	.80*	0.0	5.0	225m†	0	70	K308	FP47g	4 to 1 Line Data Sel/Mux;tpd 18ns max.
31▼	N74S257B	30		MON	2.0%	.80*	0.0	5.0	435m§	0	70	K309	M317	2 to 1 Line Data Sel/Mux;tpd 7.5ns max.
32▼	N74S257F	30		MON	2.0%	.80*	0.0	5.0	435m§	0	70	K309	M200v	2 to 1 Line Data Sel/Mux;tpd 7.5ns max.
33▼	N74S257W	30		MON	2.0%	.80*	0.0	5.0	435m§	0	70	K309	FP47g	2 to 1 Line Data Sel/Mux;tpd 7.5ns max.
34▼	N74S258B	30		MON	2.0%	.80*	0.0	5.0	435m§	0	70	K3098	M317	2 to 1 Line Data Sel/Mux;tpd 6.0ns max.
35▼	N74S258F	30		MON	2.0%	.80*	0.0	5.0	435m§	0	70	K3098	M200v	2 to 1 Line Data Sel/Mux;tpd 6.0ns max.
36▼	N74S258W	30		MON	2.0%	.80*	0.0	5.0	435m§	0	70	K3098	FP47g	2 to 1 Line Data Sel/Mux;tpd 6.0ns max.
37▼	N74150F	30		MON	2.0%	.80*	0.0	5.0	340m§	0	70	K307	M541	16 to 1 Line Data Selector/Mux;tpd52ns max
38♦	N74150N	30		MON	2.0%	.80*	0.0	5.0	340m§	0	70	K307	M474	16 to 1 Line Data Selector/Mux;tpd52ns max
39♦	N74151B	30		MON	2.0%	.80*	0.0	5.0	240m§	0	70	K3019	M317	8 to 1 Line Data Selector/Mux;tpd 52ns max
40▼	N74151F	30		MON	2.0%	.80*	0.0	5.0	240m§	0	70	K3019	M200v	8 to 1 Line Data Selector/Mux;tpd 52ns max
41▼	N74153B	30		MON	2.0%	.80*	0.0	5.0	300m§	0	70	K308	M317	Dual 4 to 1 Line Data Selector Mux.
42▼	N74153F	30		MON	2.0%	.80*	0.0	5.0	300m§	0	70	K308	M200v	Dual 4 to 1 Line Data Selector Mux.
43♦	N74154N	30		MON	2.0%	.80*	0.0	5.0	280m§	0	70	K3051	M474	4 to 16 Line Decoder/Demultiplexer.
44▼	N74155B	30		MON	2.0%	.80*	0.0	5.0	175m§	0	70	K3094	M317	Dual 2 to 4 Line Decoder/Demultiplexer.
45▼	N74156B	30		MON	2.0%	.80*	0.0	5.0	200m§	0	70	K3094	M317	Dual 2 to 4 Line Decoder/Demultiplexer.
46▼	N74157B	30		MON	2.0%	.80*	0.0	5.0	240m§	0	70	K309	M317	Quad 2 Inp Selector/Mux;tpd 27ns max.
47▼	N74157F	30		MON	2.0%	.80*	0.0	5.0	240m§	0	70	K309	M200v	Quad 2 Inp Selector/Mux;tpd 27ns max.
48▼	N74158B	30		MON	2.0%	.80*	0.0	5.0	240m§	0	70	K309	M317	Quad 2 Inp Selector/Mux;tpd 27ns max.
49▼	N74158F	30		MON	2.0%	.80*	0.0	5.0	240m§	0	70	K309	M200v	Quad 2 Inp Selector/Mux;tpd 27ns max.
50	RSN54H149H	30		MON	2.0%	.80*	0.0	5.0	300m%	-55	125	K3083	FP69b	3-Line-to-8-Line Decoder/Multiplexer.
51	S54LS151B	30		MON	2.0%	.80*	0.0	5.0	50m†	-55	125	K3079a	M317	Lo Power Schottky 1-Out-of-8 Data Sel/Mult
52	S54LS151F	30		MON	2.0%	.80*	0.0	5.0	50m†	-55	125	K3079a	M200v	Lo Power Schottky 1-Out-of-8 Data Sel/Mult
53	S54LS151W	30		MON	2.0%	.80*	0.0	5.0	50m†	-55	125	K3079a	FP47g	Lo Power Schottky 1-Out-of-8 Data Sel/Mult
54	S54LS153B	30		MON	2.0%	.80*	0.0	5.0	50m†	-55	125	K308	M317	LoPwr Shtky Dual 4-to-1 Line Data Sel/Mult
55	S54LS153F	30		MON	2.0%	.80*	0.0	5.0	50m†	-55	125	K308	M200v	LoPwr Shtky Dual 4-to-1 Line Data Sel/Mult
56	S54LS153W	30		MON	2.0%	.80*	0.0	5.0	50m†	-55	125	K308	FP47g	LoPwr Shtky Dual 4-to-1 Line Data Sel/Mult
57	S54LS251B	30		MON	2.0%§	.80*	0.0	5.0	60m†	-55	125	K3019	M317	Lo Power Schottky Data Sel/Mult.
58	S54LS251F	30		MON	2.0%§	.80*	0.0	5.0	60m†	-55	125	K3019	M200v	Lo Power Schottky Data Sel/Mult.
59	S54LS251W	30		MON	2.0%§	.80*	0.0	5.0	60m†	-55	125	K3019	FP47g	Lo Power Schottky Data Sel/Mult.
60	S54LS253B	30		MON	2.0%	.80*	0.0	5.0	70m†	-55	125	K308	M317	LoPwr Shtky Dual 4-to-1 Line Data Sel/Mult
61	S54LS253F	30		MON	2.0%	.80*	0.0	5.0	70m†	-55	125	K308	M200v	LoPwr Shtky Dual 4-to-1 Line Data Sel/Mult
62	S54LS253W	30		MON	2.0%	.80*	0.0	5.0	70m†	-55	125	K308	FP47g	LoPwr Shtky Dual 4-to-1 Line Data Sel/Mult
63▼	S54S151B	30		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K30103	M317	Selector/Multiplexer;tpd 18ns max.
64▼	S54S151F	30		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K30103	M200v	Selector/Multiplexer;tpd 18ns max.
65▼	S54S151W	30		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K30103	FP47g	Selector/Multiplexer;tpd 18ns max.
66▼	S54S153B	30		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K308	M317	Selector/Multiplexer;tpd 18ns max.
67▼	S54S153F	30		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K308	M200v	Selector/Multiplexer;tpd 18ns max.
68▼	S54S153W	30		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K308	FP47g	Selector/Multiplexer;tpd 18ns max.
69▼	S54S157B	30		MON	2.0%	.80*	0.0	5.0	390m§	-55	125	K309	M317	Selector/Multiplexer;tpd 15ns max.
70▼	S54S157F	30		MON	2.0%	.80*	0.0	5.0	390m§	-55	125	K309	M200v	Selector/Multiplexer;tpd 15ns max.
71▼	S54S157W	30		MON	2.0%	.80*	0.0	5.0	390m§	-55	125	K309	FP47g	Selector/Multiplexer;tpd 15ns max.
72▼	S54S158B	30		MON	2.0%	.80*	0.0	5.0	305m§	-55	125	K3014	M317	Selector/Multiplexer;tpd 12ns max.
73▼	S54S158F	30		MON	2.0%	.80*	0.0	5.0	305m§	-55	125	K3014	M200v	Selector/Multiplexer;tpd 12ns max.
74▼	S54S158W	30		MON	2.0%	.80*	0.0	5.0	305m§	-55	125	K3014	FP47g	Selector/Multiplexer;tpd 12ns max.
75▼	S54S251B	30		MON	2.0%	.80*	0.0	5.0	425m§	-55	125	K30103	M317	Selector/Multiplexer;tpd 19.5ns max.
76▼	S54S251F	30		MON	2.0%	.80*	0.0	5.0	425m§	-55	125	K30103	M200v	Selector/Multiplexer;tpd 19.5ns max.
77▼	S54S251W	30		MON	2.0%	.80*	0.0	5.0	425m§	-55	125	K30103	FP47g	Selector/Multiplexer;tpd 19.5ns max.
78▼	S54S253B	30		MON	2.0%	.80*	0.0	5.0	225m†	-55	125	K308	M317	4 to 1 Line Data Sel/Mux;tpd 18ns max.
79▼	S54S253F	30		MON	2.0%	.80*	0.0	5.0	225m†	-55	125	K308	M200v	4 to 1 Line Data Sel/Mux;tpd 18ns max.
80▼	S54S253W	30		MON	2.0%	.80*	0.0	5.0	225m†	-55	125	K308	FP47g	4 to 1 Line Data Sel/Mux;tpd 18ns max.
81▼	S54S257B	30		MON	2.0%	.80*	0.0	5.0	495m§	-55	125	K309	M317	2 to 1 Line Data Sel/Mux;tpd 7.5ns max.
82▼	S54S257F	30		MON	2.0%	.80*	0.0	5.0	495m§	-55	125	K309	M200v	2 to 1 Line Data Sel/Mux;tpd 7.5ns max.
83▼	S54S257W	30		MON	2.0%	.80*	0.0	5.0	495m§	-55	125	K309	FP47g	2 to 1 Line Data Sel/Mux;tpd 7.5ns max.
84▼	S54S258B	30		MON	2.0%	.80*	0.0	5.0	495m§	-55	125	K3098	M317	2 to 1 Line Data Sel/Mux;tpd 6.0ns max.
85▼	S54S258F	30		MON	2.0%	.80*	0.0	5.0	495m§	-55	125	K3098	M200v	2 to 1 Line Data Sel/Mux;tpd 6.0ns max.
86▼	S54S258W	30		MON	2.0%	.80*	0.0	5.0	495m§	-55	125	K3098	FP47g	2 to 1 Line Data Sel/Mux;tpd 6.0ns max.
87▼	S9309B	30		MON	2.0%	.80*	0.0	5.0	150m†	-55	125	K3087	M317	Dual 4 Input;tpd 32ns max.
88▼	S9309F	30		MON	2.0%	.80*	0.0	5.0	150m†	-55	125	K3087	M200v	Dual 4 Input;tpd 32ns max.
89▼	S9309W	30		MON	2.0%	.80*	0.0	5.0	150m†	-55	125	K3087	FP47g	Dual 4 Input;tpd 32ns max.
90▼	S54150F	30		MON	2.0%	.80*	0.0	5.0	340m§	-55	125	K307	M541	16 to 1 Line Data Selector/Mux;tpd52ns max
91♦	S54150N	30		MON	2.0%	.80*	0.0	5.0	340m§	-55	125	K307	M474	16 to 1 Line Data Selector/Mux;tpd52ns max
92	S54150P	30		MON	2.0%	.80*	0.0	5.0		-55	125	K307	FP48	16 to 1 Line Data Selector/Multiplexer.
93▼	S54150Q	30		MON	2.0%	.80*	0.0	5.0	340m§	-55	125	K307	FP59b	16 to 1 Line Data Selector/Mux;tpd52ns max
94	S54150Y	30		MON	2.0%	.80*	0.0	5.0		-55	125	K307	M270	16 to 1 Line Data Selector/Multiplexer.
95♦	S54151B	30		MON	2.0%	.80*	0.0	5.0	240m§	-55	125	K3019	M317	8 to 1 Line Data Selector/Mux;tpd 52ns max
96	S54151E	30		MON	2.0%	.80*	0.0	5.0		-55	125	K305h	M153a	8 to 1 Line Data Selector/Multiplexer.
97▼	S54151F	30		MON	2.0%	.80*	0.0	5.0	240m§	-55	125	K3019	M200v	8 to 1 Line Data Selector/Mux;tpd 52ns max
98	S54151R	30		MON	2.0%	.80*	0.0	5.0		-55	125	K305h	FP79a	8 to 1 Line Data Selector/Multiplexer.
99▼	S54151W	30		MON	2.0%	.80*	0.0	5.0	240m§	-55	125	K3019	FP47g	8 to 1 Line Data Selector/Mux;tpd 52ns max
100	S54152Q	30			2.0%	.80*	0.0	5.0		-55	125	K305m	TO88	8 to 1 Line Data Selector/Multiplexer.
101▼	S54152W	30		MON	2.0%	.80*	0.0	5.0	240m§	-55	125	K3037	FP39e	8 to 1 Line Data Selector/Mux;tpd 52ns max
102▼	S54153B	30		MON	2.0%	.80*	0.0	5.0	260m§	-55	125	K308	M317	Dual 4 to 1 Line Data Selector Mux.
103▼	S54153F	30		MON	2.0%	.80*	0.0	5.0	260m§	-55	125	K308	M200v	Dual 4 to 1 Line Data Selector Mux.
104▼	S54153W	30		MON	2.0%	.80*	0.0	5.0	260m§	-55	125	K308	FP47g	Dual 4 to 1 Line Data Selector Mux.
105▼	S54154F	30		MON	2.0%	.80*	0.0	5.0	245m§	-55	125	K3051	M541	4 to 16 Line Decoder/Demultiplexer.
106♦	S54154N	30		MON	2.0%	.80*	0.0	5.0	245m§	-55	125	K3051	M474	4 to 16 Line Decoder/Demultiplexer.
107	S54154P	30		MON	2.0%	.80*	0.0	5.0		-55	125	K3051	FP48	4 to 16 Line Decoder/Demultiplexer.
108▼	S54154Q	30		MON	2.0%	.80*	0.0	5.0	245m§	-55	125	K3051	FP59b	4 to 16 Line Decoder/Demultiplexer.
109	S54154Y	30		MON	2.0%	.80*	0.0	5.0		-55	125	K3051	M270	4 to 16 Line Decoder/Demultiplexer.
110▼	S54155B	30		MON	2.0%	.80*	0.0	5.0	175m§	-55	125	K3094	M317	Dual 2 to 4 Line Decoder/Demultiplexer.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	S54155F	30		MON	2.0%	.80*	0.0	5.0	175m§	-55	125	K3094	M200v	Dual 2 to 4 Line Decoder/Demultiplexer.
2▼	S54155W	30		MON	2.0%	.80*	0.0	5.0	175m§	-55	125	K3094	FP47g	Dual 2 to 4 Line Decoder/Demultiplexer.
3▼	S54156B	30		MON	2.0%	.80*	0.0	5.0	175m§	-55	125	K3094	M317	Dual 2 to 4 Line Decoder/Demultiplexer.
4▼	S54156F	30		MON	2.0%	.80*	0.0	5.0	175m§	-55	125	K3094	M200v	Dual 2 to 4 Line Decoder/Demultiplexer.
5▼	S54156W	30		MON	2.0%	.80*	0.0	5.0	175m§	-55	125	K3094	FP47g	Dual 2 to 4 Line Decoder/Demultiplexer.
6▼	S54157B	30		MON	2.0%	.80*	0.0	5.0	240m§	-55	125	K309	M317	Quad 2 Inp Selector/Mux;tpd 27ns max.
7▼	S54157F	30		MON	2.0%	.80*	0.0	5.0	240m§	-55	125	K309	M200v	Quad 2 Inp Selector/Mux;tpd 27ns max.
8▼	S54157W	30		MON	2.0%	.80*	0.0	5.0	240m§	-55	125	K309	FP47g	Quad 2 Inp Selector/Mux;tpd 27ns max.
9▼	S54158B	30		MON	2.0%	.80*	0.0	5.0	240m§	-55	125	K309	M317	Quad 2 Inp Selector/Mux;tpd 27ns max.
10▼	S54158F	30		MON	2.0%	.80*	0.0	5.0	240m§	-55	125	K309	M200v	Quad 2 Inp Selector/Mux;tpd 27ns max.
11▼	S54158W	30		MON	2.0%	.80*	0.0	5.0	240m§	-55	125	K309	FP47g	Quad 2 Inp Selector/Mux;tpd 27ns max.
12#	SFC4150E	30		MON	2.0%	.80*	0.0	5.0		0	70	K307	M186	16 line to 1 line multiplexer.
13#	SFC4150EM	30		MON	2.0%	.80*	0.0	5.0		-55	125	K307	M186	16 line to 1 line multiplexer.
14#	SFC4150ET	30		MON	2.0%	.80*	0.0	5.0		-25	85	K307	M186	16 line to 1 line multiplexer.
15#	SFC4151E	30		MON	2.0%	.80*	0.0	5.0		0	70		M117	8 Line to 1 Line Multiplexer.
16#	SFC4151EM	30		MON	2.0%	.80*	0.0	5.0		-55	125		M117	8 line to 1 line multiplexer.
17#	SFC4151ET	30		MON	2.0%	.80*	0.0	5.0		-25	85		M117	8 line to 1 line multiplexer.
18#	SFC4153E	30		MON	2.0%	.80*	0.0	5.0		0	70	K308	M117	Dual 4 line to 1 line Data Selectors/Mult.
19#	SFC4153EM	30		MON	2.0%	.80*	0.0	5.0		-55	155	K308	M117	Dual 4 line to 1 line Data Selectors/Mult.
20#	SFC4153ET	30		MON	2.0%	.80*	0.0	5.0		-25	85	K308	M117	Dual 4 line to 1 line Data Selectors/Mult.
21#	SFC4157E	30		MON	2.0%	.80*	0.0	5.0		0	70	K309	M117	Quad 2 line to 1 line Data Select/Mult.
22#	SFC4157EM	30		MON	2.0%	.80*	0.0	5.0		-55	125	K309	M117	Quad 2 line to 1 line Data Select/Mult.
23#	SFC4157ET	30		MON	2.0%	.80*	0.0	5.0		-25	85	K309	M117	Quad 2 line to 1 line Data Select/Mult.
24	SN54L153J	30		MON	2.0%	.80*	0.0	5.0	85mt	-55	125	K308	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
25	SN54L157J	30		MON	2.0%	.80*	0.0	5.0	75mt	-55	125	K309	M153d	2 to 1 Line Data Selec/Mux;tpd 54ns max.
26	SN54LS157J	30		MON	2.0%	.80*	0.0	5.0	49mt	-55	125	K30105	M153d	2 to 1 Line Data Selec/Mux;tpd 27ns max.
27	SN54LS157W	30		MON	2.0%	.80*	0.0	5.0	49mt	-55	125	K30105	Δ004AG	2 to 1 Line Data Selec/Mux;tpd 27ns max.
28	SN54S151J	30		MON	2.0%	.80*	0.0	5.0	225mt	-55	125	K3079a	M153d	Data Selectors/Multiplexers.
29	SN54S151W	30		MON	2.0%	.80*	0.0	5.0	225mt	-55	125	K3079a	Δ004AG	Data Selectors/Multiplexers.
30	SN54S153J	30		MON	2.0%	.80*	0.0	5.0	225mt	-55	125	K308	M153d	Dual 4 Line-to-1 Line Data Sel/Multiplexer
31	SN54S153W	30		MON	2.0%	.80*	0.0	5.0	225mt	-55	125	K308	Δ004AG	Dual 4 Line-to-1 Line Data Sel/Multiplexer
32	SN54S157J	30		MON	2.0%	.80*	0.0	5.0	250mt	-55	125	K30105	M153d	2 to 1 Line Data Selec/Mux;tpd 15ns max.
33	SN54S157W	30		MON	2.0%	.80*	0.0	5.0	250mt	-55	125	K30105	Δ004AG	2 to 1 Line Data Selec/Mux;tpd 15ns max.
34	SN54S158J	30		MON	2.0%	.80*	0.0	5.0	195mt	-55	125	K30106	M153d	2 to 1 Line Data Selec/Mux;tpd 12ns max.
35	SN54S158W	30		MON	2.0%	.80*	0.0	5.0	195mt	-55	125	K30106	Δ004AG	2 to 1 Line Data Selec/Mux;tpd 12ns max.
36	SN54S251J	30		MON	2.0%	.80*	0.0	5.0	275m%	-55	125	K3019	M153d	Data Sel/Multiplexer w/3-State Output.
37	SN54S251W	30		MON	2.0%	.80*	0.0	5.0	275m%	-55	125	K3019	Δ004AG	Data Sel/Multiplexer w/3-State Output.
38	SN54S253J	30		MON	2.0%	.80*	0.0	5.0	350m%	-55	125	K308	M224c	4 to 1 Line Data Selector/MUX;tpd 18ns max
39	SN54S253W	30		MON	2.0%	.80*	0.0	5.0	350m%	-55	125	K308	FP79b	4 to 1 Line Data Selector/MUX;tpd 18ns max
40	SN54S257J	30		MON	2.0%	.80*	0.0	5.0	320mt	-55	125	K309	M153d	2 to 1 Line Data Selec/Mux;tpd 21ns max.
41	SN54S257W	30		MON	2.0%	.80*	0.0	5.0	320mt	-55	125	K309	Δ004AG	2 to 1 Line Data Selec/Mux;tpd 21ns max.
42	SN54S258J	30		MON	2.0%	.80*	0.0	5.0	280mt	-55	125	K3014	M153d	2 to 1 Line Data Selec/Mux;tpd 21ns max.
43	SN54S258W	30		MON	2.0%	.80*	0.0	5.0	280mt	-55	125	K3014	Δ004AG	2 to 1 Line Data Selec/Mux;tpd 21ns max.
44	SN74L153J	30		MON	2.0%	.80*	0.0	5.0	85mt	0	70	K308	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
45	SN74L153N	30		MON	2.0%	.80*	0.0	5.0	85mt	0	70	K308	M117x	Dual 4-Line-to-1-Line Data Sel/Multiplexer
46	SN74L157J	30		MON	2.0%	.80*	0.0	5.0	75mt	0	70	K309	M153d	2 to 1 Line Data Selec/Mux;tpd 54ns max.
47	SN74L157N	30		MON	2.0%	.80*	0.0	5.0	75mt	0	70	K309	M117x	2 to 1 Line Data Selec/Mux;tpd 54ns max.
48	SN74LS151J	30		MON	2.0%	.80*	0.0	5.0	30mt	0	70	K3079a	M153d	Data Selectors/Multiplexers.
49	SN74LS151N	30		MON	2.0%	.80*	0.0	5.0	30mt	0	70	K3079a	M117x	Data Selectors/Multiplexers.
50	SN74LS153J	30		MON	2.0%	.80*	0.0	5.0	31mt	0	70	K308	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
51	SN74LS153N	30		MON	2.0%	.80*	0.0	5.0	31mt	0	70	K308	M117x	Dual 4-Line-to-1-Line Data Sel/Multiplexer
52	SN74LS157J	30		MON	2.0%	.80*	0.0	5.0	49mt	0	70	K30105	M153d	2 to 1 Line Data Selec/Mux;tpd 27ns max.
53	SN74LS157N	30		MON	2.0%	.80*	0.0	5.0	49mt	0	70	K30105	M117x	2 to 1 Line Data Selec/Mux;tpd 27ns max.
54	SN74LS158J	30		MON	2.0%	.80*	0.0	5.0	24mt	0	70	K30106	M153d	2 to 1 Line Data Selec/Mux;tpd 24ns max.
55	SN74LS158N	30		MON	2.0%	.80*	0.0	5.0	24mt	0	70	K30106	M117x	2 to 1 Line Data Selec/Mux;tpd 24ns max.
56	SN74LS251J	30		MON	2.0%	.80*	0.0	5.0	35m%	0	70	K3019	M153d	Data Sel/Multiplexer w/3-State Output.
57	SN74LS251N	30		MON	2.0%	.80*	0.0	5.0	35m%	0	70	K3019	M117x	Data Sel/Multiplexer w/3-State Output.
58	SN74LS253J	30		MON	2.0%	.80*	0.0	5.0	35mt	0	70	K3012	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
59	SN74LS253N	30		MON	2.0%	.80*	0.0	5.0	35mt	0	70	K3012	M117x	Dual 4-Line-to-1-Line Data Sel/multiplexer
60	SN74LS257J	30		MON	2.0%	.80*	0.0	5.0	50mt	0	70	K309	M153d	2 to 1 Line Data Selec/Mux;tpd 30ns max.
61	SN74LS257N	30		MON	2.0%	.80*	0.0	5.0	50mt	0	70	K309	M117x	2 to 1 Line Data Selec/Mux;tpd 30ns max.
62	SN74LS258J	30		MON	2.0%	.80*	0.0	5.0	35mt	0	70	K3014	M153d	2 to 1 Line Data Selec/Mux;tpd 30ns max.
63	SN74LS258N	30		MON	2.0%	.80*	0.0	5.0	35mt	0	70	K3014	M117x	2 to 1 Line Data Selec/Mux;tpd 30ns max.
64	SN74LS298J	30		MON	2.0%	.80*	0.0	5.0	65mt	0	70	K3086	M153d	Quad Mux w/Storage;tpd 32ns max.
65	SN74LS298N	30		MON	2.0%	.80*	0.0	5.0	65mt	0	70	K3086	M117x	Quad Mux w/Storage;tpd 32ns max.
66▼	SN74LS352J	30		MON	2.0%	.80*	0.0	5.0	55m	0	70	K308	M153d	Dual 4 to 1 Line Data Selector/Multiplexer
67▼	SN74LS352N	30		MON	2.0%	.80*	0.0	5.0	55m	0	70	K308	M117x	Dual 4 to 1 Line Data Selector/Multiplexer
68▼	SN74LS353J	30		MON	2.0%§	.80*	0.0	5.0	77m	0	70	K308	M153d	Dual 4 to 1 Line Data Selector/Multiplexer
69▼	SN74LS353N	30		MON	2.0%§	.80*	0.0	5.0	77m	0	70	K308	M117x	Dual 4 to 1 Line Data Selector/multiplexer
70	SN74S151J	30		MON	2.0%	.80*	0.0	5.0	225mt	0	70	K3079a	M153d	Data Selectors/Multiplexers.
71	SN74S151N	30		MON	2.0%	.80*	0.0	5.0	225mt	0	70	K3079a	M117x	Data Selectors/Multiplexers.
72	SN74S153J	30		MON	2.0%	.80*	0.0	5.0	225mt	0	70	K308	M153d	Dual 4 Line-to-1 Line Data Sel/Multiplexer
73	SN74S153N	30		MON	2.0%	.80*	0.0	5.0	225mt	0	70	K308	M117x	Dual 4 Line-to-1 Line Data Sel/Multiplexer
74	SN74S157J	30		MON	2.0%	.80*	0.0	5.0	250mt	0	70	K30105	M153d	2 to 1 Line Data Selec/Mux;tpd 15ns max.
75	SN74S157N	30		MON	2.0%	.80*	0.0	5.0	250mt	0	70	K30105	M117x	2 to 1 Line Data Selec/Mux;tpd 15ns max.
76	SN74S158J	30		MON	2.0%	.80*	0.0	5.0	195mt	0	70	K30106	M153d	2 to 1 Line Data Selec/Mux;tpd 12ns max.
77	SN74S158N	30		MON	2.0%	.80*	0.0	5.0	195mt	0	70	K30106	M117v	2 to 1 Line Data Selec/Mux;tpd 12ns max.
78	SN74S251J	30		MON	2.0%	.80*	0.0	5.0	275m%	0	70	K3019	M153d	Data Sel/Multiplexer w/3-State Output.
79	SN74S251N	30		MON	2.0%	.80*	0.0	5.0	275m%	0	70	K3019	M117x	Data Sel/Multiplexer w/3-State Output.
80	SN74S253J	30		MON	2.0%	.80*	0.0	5.0	350m%	0	70	K308	M224c	4 to 1 Line Data Selector/MUX;tpd 18ns max
81	SN74S253N	30		MON	2.0%	.80*	0.0	5.0	350m%	0	70	K308	M357	4 to 1 Line Data Selector/MUX;tpd 18ns max
82	SN74S257J	30		MON	2.0%	.80*	0.0	5.0	320mt	0	70	K309	M153d	2 to 1 Line Data Selec/Mux;tpd 21ns max.
83	SN74S257N	30		MON	2.0%	.80*	0.0	5.0	320mt	0	70	K309	M117x	2 to 1 Line Data Selec/Mux;tpd 21ns max.
84	SN74S258J	30		MON	2.0%	.80*	0.0	5.0	280mt	0	70	K3014	M153d	2 to 1 Line Data Selec/Mux;tpd 21ns max.
85	SN74S258N	30		MON	2.0%	.80*	0.0	5.0	280mt	0	70	K3014	M117x	2 to 1 Line Data Selec/Mux;tpd 21ns max.
86	SN29309J	30		MON	2.0%	.80*	0.0	5.0	95m%	0	75	K3087	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
87	SN29309N	30		MON	2.0%	.80*	0.0	5.0	95m%	0	75	K3087	M117x	Dual 4-Line-to-1-Line Data Sel/Multiplexer
88	SN29311J	30		MON	2.0%	.80*	0.0	5.0	170m%	0	75	K3088	Δ015AA	4-Line-to-16-Line Decoders/Demultiplexer
89	SN29311N	30		MON	2.0%	.80*	0.0	5.0	170m%	0	75	K3088	M186	4-Line-to-16-Line Decoders/Demultiplexer
90	SN29312J	30		MON	2.0%	.80*	0.0	5.0	150m%	0	75	K3089	M153d	Data Selectors/Multiplexers;tpd 35ns max
91	SN29312N	30		MON	2.0%	.80*	0.0	5.0	150m%	0	75	K3089	M117x	Data Selectors/Multiplexers;tpd 35ns max
92	SN29322J	30		MON	2.0%	.80*	0.0	5.0	150m%	0	75	K309	M153d	Quad 2-Line-to-1-Line Data Sel/Multiplexer
93	SN29322N	30		MON	2.0%	.80*	0.0	5.0	150m%	0	75	K309	M117x	Quad 2-Line-to-1-Line Data Sel/Multiplexer
94	SN39309J	30		MON	2.0%	.80*	0.0	5.0	95m%	-55	125	K3087	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
95	SN39311J	30		MON	2.0%	.80*	0.0	5.0	170m%	-55	125	K3088	Δ015AA	4-Line-to-16-Line Decoders/Demultiplexer
96	SN39312J	30		MON	2.0%	.80*	0.0	5.0	150m%	-55	125	K3089	M153d	Data Selectors/Multiplexers;tpd 35ns max
97	SN39322J	30		MON	2.0%	.80*	0.0	5.0	150m%	-55	125	K309	M153d	Quad 2-Line-to-1-Line Data Sel/Multiplexer
98	SN54150J	30		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K307	Δ015AA	Data Selectors/Multiplexers.
99	SN54150N	30		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K307	M186	16-Line-to-1-Line Multiplexer.
100	SN54150W	30		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K307	Δ019AA	Data Selectors/Multiplexers.
101	SN54151AJ	30		MON	2.0%	.80*	0.0	5.0	145mt	-55	125	K3079	M153d	Data Selectors/Multiplexers.
102	SN54151AW	30		MON	2.0%	.80*	0.0	5.0	145mt	-55	125	K3079	Δ004AG	Data Selectors/Multiplexers.
103	SN54151J	30		MON	2.0%	.80*	0.0	5.0	240m%	-55	125	K305h	M153a	8 Line to 1 Line Multiplexer.
104	SN54151N	30		MON	2.0%	.80*	0.0	5.0	240m%	-55	125	K305h	M177	8 Line to 1 Line Multiplexer.
105	SN54151W	30		MON	2.0%	.80*	0.0	5.0	240m%	-55	125	K305h	Δ004AG	8 Line to 1 Line Multiplexer.
106	SN54152AW	30		MON	2.0%	.80*	0.0	5.0	130mt	-55	125	K3080	Δ004AG	Data Selectors/Multiplexers.
107	SN54152S	30		MON	2.0%	.80*	0.0	5.0	215m%	-55	125	K305m	FP52f	8 Line to 1 Line Multiplexer.
108	SN54152W	30		MON	2.0%	.80*	0.0	5.0	215m%	-55	125	K305m	Δ004AA	8 Line to 1 Line Multiplexer.
109	SN54153J	30		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K308	M153d	Dual 4 line to 1 line Data Selector/Mult.
110	SN54153N	30		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K308	M117	Dual 4 Line to 1 Line Data Selector/Mult.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SN54153W	30		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K308	Δ004AG	Dual 4 Line to 1 Line Data Selector/Mult.
2	SN54157J	30		MON	2.0%	.80*	0.0	5.0	150mt	-55	125	K309	M153d	2 to 1 Line Data Selec/Mux;tpd 27ns max.
3	SN54157N	30		MON	2.0%	.80*	0.0	5.0	150m%	-55	125	K309	M117	Quad 2-Line-to-1-Line Data Select/Mult.
4	SN54157W	30		MON	2.0%	.80*	0.0	5.0	150mt	-55	125	K309	Δ004AG	2 to 1 Line Data Selec/Mux;tpd 27ns max.
5	SN54251J	30		MON	2.0%	.80*	0.0	5.0	250m%	-55	125	K3019	M153d	Data Sel/Multiplexer w/3-State Output.
6	SN54251W	30		MON	2.0%	.80*	0.0	5.0	250m%	-55	125	K3019	Δ004AG	Data Sel/Multiplexer w/3-State Output.
7	SN54298J	30		MON	2.0%	.80*	0.0	5.0	195mt	-55	125	K3086	M153d	Quad Mux w/Storage;tpd 32ns max.
8	SN54298W	30		MON	2.0%	.80*	0.0	5.0	195mt	-55	125	K3086	Δ004AG	Quad Mux w/Storage;tpd 32ns max.
9	SN74150J	30		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K307	Δ015AA	16 Line to 1 Line Multiplexer.
10	SN74150N	30		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K307	M186	16-Line-to-1-Line Multiplexer.
11	SN74151AJ	30		MON	2.0%	.80*	0.0	5.0	145mt	0	70	K3079	M153d	Data Selectors/Multiplexers.
12	SN74151AN	30		MON	2.0%	.80*	0.0	5.0	145mt	0	70	K3079	M117x	Data Selectors/Multiplexers.
13	SN74151J	30		MON	2.0%	.80*	0.0	5.0	240m%	0	70	K305h	M153a	8 Line to 1 Line Multiplexer.
14	SN74151N	30		MON	2.0%	.80*	0.0	5.0	240m%	0	70	K305h	M177	8 Line to 1 Line Multiplexer.
15	SN74151W	30		MON	2.0%	.80*	0.0	5.0	240m%	0	70	K305h	Δ004AG	8 Line to 1 Line Multiplexer.
16	SN74152AW	30		MON	2.0%	.80*	0.0	5.0	130mt	0	70	K3080	Δ004AG	Data Selectors/Multiplexers.
17	SN74152S	30		MON	2.0%	.80*	0.0	5.0	215m%	0	70	K305m	FP52f	8 Line to 1 Line Multiplexer.
18	SN74153J	30		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K308	M153d	Dual 4 Line to 1 Line Data Selector/Mult.
19	SN74153N	30		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K308	M117x	Dual 4 line to 1 line Data Selector/Mult.
20	SN74157J	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K309	M153d	2 to 1 Line Data Selec/Mux;tpd 27ns max.
21	SN74157N	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K309	M117x	2 to 1 Line Data Selec/Mux;tpd 27ns max.
22	SN74157W	30		MON	2.0%	.80*	0.0	5.0	150m%	0	70	K309	Δ004AG	Quad 2-Line-to-1-Line Data Select/Mult.
23	SN74251J	30		MON	2.0%	.80*	0.0	5.0	250m%	0	70	K3019	M153d	Data Sel/Multiplexer w/3-State Output.
24	SN74251N	30		MON	2.0%	.80*	0.0	5.0	250m%	0	70	K3019	M117x	Data Sel/Multiplexer w/3-State Output.
25	SN74298J	30		MON	2.0%	.80*	0.0	5.0	195mt	0	70	K3086	M153d	Quad Mux w/Storage;tpd 32ns max.
26	SN74298N	30		MON	2.0%	.80*	0.0	5.0	195mt	0	70	K3086	M117x	Quad Mux w/Storage;tpd 32ns max.
27	SN74351N	30		MON	2.0%	.80*	0.0	5.0	220mt	0	70	K3081	M117x	Dual DATA SEL/MUX.
28	SW74150J	30		MON	2.0%	.80*	0.0	5.25	357mt	0	70	K307	M197	16 line to 1 line Multiplexer
29	SW74150N	30		MON	2.0%	.80*	0.0	5.25	357mt	0	70	K307	M197	16 Line to 1 Line Multiplexer.
30	SW74151J	30		MON	2.0%	.80*	0.0	5.25	252mt	0	70	K307	M153	8 line to 1 line Multiplexer
31	SW74151N	30		MON	2.0%	.80*	0.0	5.25	252mt	0	70	K307	M153	8 line to 1 line Multiplexer
32	SW74153J	30		MON	2.0%	.80*	0.0	5.25	315mt	0	70	K308	M153	Dual 4 line to 1 line Data Selector/Mult.
33	SW74153N	30		MON	2.0%	.80*	0.0	5.25	315mt	0	70	K308	M153	Dual 4 line to 1 line Data Selector/Mult.
34	T54S151F	30		MON	2.0%	.80*	0.0	5.0	425m§	-55	125	K323	FP101	8 Inp Selector/Multiplexer;tpd 18ns max.
35	T54S151J	30		MON	2.0%	.80*	0.0	5.0	425m§	-55	125	K323	M352	8 Inp Selector/Multiplexer;tpd 18ns max.
36	T54S152F	30		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K3052	TO86	8 Inp Selector/Multiplexer;tpd 18ns max.
37	T54S152J	30		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K3052	M157c	8 Inp Selector/Multiplexer;tpd 18ns max.
38	T54S153F	30		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K308	FP103	4 to 1 Line Data Sel./Multipl;FO 20 max.
39	T54S153J	30		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K308	M352	4 to 1 Line Data Sel./Multipl;FO 20 max.
40	T54S157F	30		MON	2.0%	.80*	0.0	5.0	390m§	-55	125	K309	FP101	2 to 1 Line Data Sel./Multipl;tpd 12ns max
41	T54S157J	30		MON	2.0%	.80*	0.0	5.0	390m§	-55	125	K309	M352	2 to 1 Line Data Sel./Multipl;tpd 12ns max
42	T54S158F	30		MON	2.0%	.80*	0.0	5.0	305m§	-55	125	K3014	FP101	2 to 1 Line Data Selec/Multipl;tpd12nsmax
43	T54S158J	30		MON	2.0%	.80*	0.0	5.0	305m§	-55	125	K3014	M352	2 to 1 Line Data Selec/Multipl;tpd12nsmax
44	T54S251F	30		MON	2.0%	.80*	0.0	5.0	425m§	-55	125	K323	FP101	8 Inp Selector/Multiplexer;tpd 19.5ns max
45	T54S251J	30		MON	2.0%	.80*	0.0	5.0	425m§	-55	125	K323	M352	8 Inp Selector/Multiplexer;tpd 19.5ns max.
46	T74S151F	30		MON	2.0%	.80*	0.0	5.0	425m§	0	70	K323	FP101	8 Inp Selector/Multiplexer;tpd 18ns max.
47	T74S151J	30		MON	2.0%	.80*	0.0	5.0	425m§	0	70	K323	M352	8 Inp Selector/Multiplexer;tpd 18ns max.
48	T74S152F	30		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K3052	TO86	8 Inp Selector/Multiplexer;tpd 18ns max.
49	T74S152J	30		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K3052	M157c	8 Inp Selector/Multiplexer;tpd 18ns max.
50	T74S153F	30		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K308	FP103	4 to 1 Line Data Sel./Multipl;FO 20 max.
51	T74S153J	30		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K308	M352	4 to 1 Line Data Sel./Multipl;FO 20 max.
52	T74S157F	30		MON	2.0%	.80*	0.0	5.0	390m§	0	70	K309	FP101	2 to 1 Line Data Sel./Multipl;tpd 12ns max
53	T74S157J	30		MON	2.0%	.80*	0.0	5.0	390m§	0	70	K309	M352	2 to 1 Line Data Sel./Multipl;tpd 12ns max
54	T74S158F	30		MON	2.0%	.80*	0.0	5.0	305m§	0	70	K3014	FP101	2 to 1 Line Data Selec/Multipl;tpd12nsmax
55	T74S158J	30		MON	2.0%	.80*	0.0	5.0	305m§	0	70	K3014	M352	2 to 1 Line Data Selec/Multipl;tpd12nsmax
56	T74S251F	30		MON	2.0%	.80*	0.0	5.0	425m§	-55	125	K323	FP101	8 Inp Selector/Multiplexer;tpd 19.5ns max.
57	T74S251J	30		MON	2.0%	.80*	0.0	5.0	425m§	0	70	K323	M352	8 Inp Selector/Multiplexer;tpd 19.5ns max.
58#	T164D2	30		MON	2.0%	.80*	0.0	5.0	200m§	-55	125	K3010	M200m	Dual 4 Inp Multiplexer;tpd 32ns max.
59#	T168B1	30		MON	2.0%	.80*	0.0	5.0	240m§	0	75	K3011	M267c	Quad 2 Input Mux;tpd 31ns max.
60#	T168D1	30		MON	2.0%	.80*	0.0	5.0	240m§	0	75	K3011	M200y	Quad 2 Input Mux;tpd 31ns max.
61	T9309F	30		MON	2.0%	.80*	0.0	5.0	220m§	0	75	K3010	FP101a	Dual 4 Inp Multiplexer;tpd 36ns max.
62	T9309FM	30		MON	2.0%	.80*	0.0	5.0	220m§	-55	125	K3010	FP101a	Dual 4 Inp Multiplexer;tpd 32ns max.
63	T9309J	30		MON	2.0%	.80*	0.0	5.0	220m§	0	75	K3010	M153c	Dual 4 Inp Multiplexer;tpd 36ns max.
64	T9309JM	30		MON	2.0%	.80*	0.0	5.0	220m§	-55	125	K3010	M153c	Dual 4 Inp Multiplexer;tpd 32ns max.
65	T9312F	30		MON	2.0%	.80*	0.0	5.0	220m§	0	75	K3019a	FP101a	8 Inp Multiplexer;tpd 34ns max.
66	T9312FM	30		MON	2.0%	.80*	0.0	5.0	220m§	-55	125	K3019a	FP101a	8 Inp Multiplexer;tpd 34ns max.
67	T9312J	30		MON	2.0%	.80*	0.0	5.0	220m§	0	75	K3019a	M153c	8 Inp Multiplexer;tpd 34ns max.
68	T9312JM	30		MON	2.0%	.80*	0.0	5.0	220m§	-55	125	K3019a	M153c	8 Inp Multiplexer;tpd 34ns max.
69	T9322F	30		MON	2.0%	.80*	0.0	5.0	235m§	0	75	K3011	FP101a	Quad 2 Inp Multiplexer;tpd 31ns max.
70	T9322FM	30		MON	2.0%	.80*	0.0	5.0	235m§	-55	125	K3011	FP101a	Quad 2 Inp Multiplexer;tpd 27ns max.
71	T9322J	30		MON	2.0%	.80*	0.0	5.0	235m§	0	75	K3011	M153c	Quad 2 Inp Multiplexer;tpd 31ns max.
72	T9322JM	30		MON	2.0%	.80*	0.0	5.0	235m§	-55	125	K3011	M153c	Quad 2 Inp Multiplexer;tpd 27ns max.
73#	T74157B1	30		MON	2.0%	.80*	0.0	5.0	240m§	0	70	K3011	M267c	Quad 2 Inp MUX;FO 10 max;tpd 27ns max.
74#	T74157D1	30		MON	2.0%	.80*	0.0	5.0	240m§	0	70	K3011	M200y	Quad 2 Inp MUX;FO 10 max;tpd 27ns max.
75#	T74157D2	30		MON	2.0%	.80*	0.0	5.0	240m§	-55	125	K3011	M200y	Quad 2 Inp MUX;FO 10 max;tpd 27ns max.
76#	TL74150N	30		MON	2.0%	.80*	0.0	5.0	357mt	0	70	K307	M186	16Bit Data Selector/Mult;tpd 35ns max.
77#	TL74151N	30		MON	2.0%	.80*	0.0	5.0	252mt	0	70	K3019	M117u	8Bit Data Selector/Mult;tpd 52ns max.
78#	TL74153N	30		MON	2.0%	.80*	0.0	5.0	315mt	0	75	K308	M117u	Dual 4Bit Data Selector/Multiplexer.
79	US54153A	30		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K308	M126k	Dual 4 line to 1 line Data Selector/Mult
80	US74153A	30		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K308	M126k	Dual 4 line to 1 line Date Selector/Mult
81#	ZN54150E	30		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K307	TO116	Data Selectors/Multiplexer.
82#	ZN54150J	30		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K307	M257e	Data Selectors/Multiplexer.
83#	ZN54151E	30		MON	2.0%	.80*	0.0	5.0	240mt	-55	125	K305h	TO116	8 Line to 1 Line Multiplexer.
84#	ZN54151J	30		MON	2.0%	.80*	0.0	5.0	240mt	-55	125	K305h	M257e	8 Line to 1 Line Multiplexer.
85#	ZN54153E	30		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K308	TO116	Dual 4 Line to 1 Line Data Selector/MUX.
86#	ZN54153J	30		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K308	M257e	Dual 4 Line to 1 Line Data Selector/MUX.
87#	ZN54157E	30		MON	2.0%	.80*	0.0	5.0	150mt	-55	125	K309	TO116	2 to 1 Line Data Selec/MUX;tpd 27ns max.
88#	ZN54157J	30		MON	2.0%	.80*	0.0	5.0	150mt	-55	125	K309	M257e	2 to 1 Line Data Selec/MUX;tpd 27ns max.
89#	ZN74150E	30		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K307	TO116	Data Selectors/Multiplexer.
90#	ZN74150J	30		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K307	M257e	Data Selectors/Multiplexer.
91#	ZN74151E	30		MON	2.0%	.80*	0.0	5.0	240mt	0	70	K305h	TO116	8 Line to 1 Line Multiplexer.
92#	ZN74151J	30		MON	2.0%	.80*	0.0	5.0	240mt	0	70	K305h	M257e	8 Line to 1 Line Multiplexer.
93#	ZN74153E	30		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K308	TO116	Dual 4 Line to 1 Line Data Selector/MUX.
94#	ZN74153J	30		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K308	M257e	Dual 4 Line to 1 Line Data Selector/MUX.
95#	ZN74157E	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K309	TO116	2 to 1 Line Data Selec/MUX;tpd 27ns max.
96#	ZN74157J	30		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K309	M257e	2 to 1 Line Data Selec/MUX;tpd 27ns max.
97	MM8	30	500k	3DM	2.0%	.80*	10	10		0	70	K3099	M433	8 Chan.Anal;Vin ±5 or ±10V.
98	9309DC	30	20M%	MON	2.0%	.80*	0.0	5.0	220m%	0	75	K3010	M224c	Dual 4 Input;Io 30mA max;tpd 32ns max.
99	9309DM	30	20M%	MON	2.0%	.80*	0.0	5.0	220m%	-55	125	K3010	M224c	Dual 4 Input;Io 30mA max;tpd 32ns max.
100	9309FM	30	20M%	MON	2.0%	.80*	0.0	5.0	220m%	-55	125	K3010	FP79b	Dual 4 Input;Io 30mA max;tpd 32ns max.
101	9312DC	30	20M%	MON	2.0%	.80*	0.0	5.0	220m%	0	75	K3013	M224c	8 Input;Io 30mA max;tpd 34ns max.
102	9312DM	30	20M%	MON	2.0%	.80*	0.0	5.0	220m%	-55	125	K3013	M224c	8 Input;Io 30mA max;tpd 34ns max.
103	9312FM	30	20M%	MON	2.0%	.80*	0.0	5.0	220m%	-55	125	K3013	FP79b	8 Input;Io 30mA max;tpd 34ns max.
104	9322DC	30	20M%	MON	2.0%	.80*	0.0	5.0	235m%	0	75	K3011	M224c	2 Input;Io 30mA max;tpd 31ns max.
105	9322DM	30	20M%	MON	2.0%	.80*	0.0	5.0	235m%	-55	125	K3011	M224c	2 Input;Io 30mA max;tpd 31ns max.
106	9322FM	30	20M%	MON	2.0%	.80*	0.0	5.0	235m%	-55	125	K3011	FP79b	2 Input;Io 30mA max;tpd 31ns max.
107	5566	30	20MΔ%PCB		2.0%	.90*	0.0	5.0	425mt	0	70	K3077	CB62	3x8 Digital;tpd 25ns.
108	5567	30	20MΔ%PCB		2.0%	.90*	0.0	5.0	425mt	0	70	K3078	CB62	3x Dual;Digital;tpd 32ns max.
109	MC4000F	30		MON	2.4%	.40t*	0.0	5.0	150mt	0	75	K3033	TO86	Dual 4-Channel Data Selector.
110	MC4000L,P%	30		MON	2.4%	.40*t	0.0	5.0	150mt	0	75	K3033	TO116	Dual 4-Channel Data Selector.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MC4300F	30		MON	2.4%	.40†*	0.0	5.0	150mt	-55	125	K3033	TO86	Dual 4-Channel Data Selector.
2	MC4300L	30		MON	2.4%	.40*†	0.0	5.0	150mt	-55	125	K3033	TO116	Dual 4-Channel Data Selector.
3	MC8309F	30			2.4%	.40*†	0.0	5.0	150mt	0	75	K3033	M191	Dual 4 Channel Data Selector.
4	MC8309L	30			2.4%	.40*†	0.0	5.0	150mt	0	75	K3033a	M191	Dual 4 Channel Data Selector.
5	MC8309P	30			2.4%	.40*†	0.0	5.0	150mt	0	75	K3033	M278	Dual 4Channel Data Selector.
6	MC8322F	30		MON	2.4%	.40*†	0.0	5.0	150mt	0	75	K3041	FP85	Quad 2-Input Data Selector/Multiplexer
7	MC8322L	30		MON	2.4%	.40*†	0.0	5.0	150mt	0	75	K3041	M191	Quad 2-Input Data Selector/Multiplexer
8	MC8322P	30		MON	2.4%	.40*†	0.0	5.0	150mt	0	75	K3041	M278	Quad 2-Input Data Selector/Multiplexer
9	MC9309F	30			2.4%	.40*†	0.0	5.0	150mt	-55	125	K3033	M191	Dual 4 Channel Data Selector.
10	MC9309L	30			2.4%	.40*†	0.0	5.0	150mt	-55	125	K3033a	M191	Dual 4 Channel Data Selector.
11	MC9312F	30		MON	2.4%	.40*†	0.0	5.0	135mt	-55	125	K305k	FP85	8 Channel Data Selector.
12	MC9312L	30		MON	2.4%	.40†*	0.0	5.0	135mt	-55	125	K305k	M191	8-Channel Data Selector.
13	MC9322F	30		MON	2.4%	.40*†	0.0	5.0	150mt	-55	125	K3041	FP85	Quad 2-Input Data Selector/Multiplexer
14	MC9322L	30		MON	2.4%	.40*†	0.0	5.0	150mt	-55	125	K3041	M191	Quad 2-Input Data Selector/Multiplexer
15	MC54150L	30		MON	2.4%	.40*†	0.0	5.0	200mt	-55	125	K305e	M291	16-Channel Data Selector.
16	MC54151L	30		MON	2.4%	.40*†	0.0	5.0	145mt	-55	125	K305a	M191	8-Channel Data Selector.
17	MC54152F	30		MON	2.4%	.40*†	0.0	5.0	130mt	-55	125	K3037	TO86	8-Channel Data Selector/Multiplexer
18	MC54152L	30		MON	2.4%	.40*†	0.0	5.0	130mt	-55	125	K3037	TO116	8-Channel Data Selector/Multiplexer
19	MC54153F	30		MON	2.4%	.40*†	0.0	5.0	180mt	-55	125	K3044	FP85	Dual 4-Channel Data Selector/Multiplexer
20	MC54153L	30		MON	2.4%	.40*†	0.0	5.0	180mt	-55	125	K3044	M191	Dual 4-Channel Data Selector/Multiplexer
21	MC54155F	30		MON	2.4%	.40*†	0.0	5.0	125mt	-55	125	K3045	FP85	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
22	MC54155L	30		MON	2.4%	.40*†	0.0	5.0	125mt	-55	125	K3045	M191	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
23	MC54156F	30		MON	2.4%	.40*†	0.0	5.0	125mt	-55	125	K3045	FP85	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
24	MC54156L	30		MON	2.4%	.40*†	0.0	5.0	125mt	-55	125	K3045	M191	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
25	MC54157F	30		MON	2.4%	.40*†	0.0	5.0	150mt	-55	125	K3041	FP85	Quad 2-Input Data Selector/Multiplexer
26	MC54157L	30		MON	2.4%	.40*†	0.0	5.0	150mt	-55	125	K3041	M191	Quad 2-Input Data Selector/Multiplexer
27	MC74150L	30		MON	2.4%	.40*†	0.0	5.0	200mt	0	75	K305e	M291	16-Channel Data Selector.
28	MC74150P	30		MON	2.4%	.40*†	0.0	5.0	200mt	0	75	K305e	M237	16-Channel Data Selector.
29	MC74151L	30		MON	2.4%	.40*†	0.0	5.0	145mt	0	75	K305a	M191	8-Channel Data Selector.
30	MC74151P	30		MON	2.4%	.40*†	0.0	5.0	145mt	0	75	K305a	M278	8-Channel Data Selector.
31	MC74152F	30		MON	2.4%	.40*†	0.0	5.0	130mt	0	75	K3037	TO86	8-Channel Data Selector/Multiplexer.
32	MC74152L,P%	30		MON	2.4%	.40*†	0.0	5.0	130mt	0	75	K3037	TO116	8-Channel Data Selector/Multiplexer.
33	MC74153F	30		MON	2.4%	.40*†	0.0	5.0	180mt	0	75	K3044	FP85	Dual 4-Channel Data Selector/Multiplexer.
34	MC74153L	30		MON	2.4%	.40*†	0.0	5.0	180mt	0	75	K3044	M191	Dual 4-Channel Data Selector/Multiplexer.
35	MC74153P	30		MON	2.4%	.40*†	0.0	5.0	180mt	0	75	K3044	M278	Dual 4-Channel Data Selector/Multiplexer.
36	MC74155F	30		MON	2.4%	.40*†	0.0	5.0	125mt	0	75	K3045	FP85	Dual 2-to-4 Line Dec 1-to-4 Line Demult.
37	MC74155L	30		MON	2.4%	.40*†	0.0	5.0	125mt	0	75	K3045	M191	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
38	MC74155P	30		MON	2.4%	.40*†	0.0	5.0	125mt	0	75	K3045	M278	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
39	MC74156F	30		MON	2.4%	.40*†	0.0	5.0	125mt	0	75	K3045	FP85	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
40	MC74156L	30		MON	2.4%	.40*†	0.0	5.0	125mt	0	75	K3045	M191	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
41	MC74156P	30		MON	2.4%	.40*†	0.0	5.0	125mt	0	75	K3045	M278	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
42	MC74157F	30		MON	2.4%	.40*†	0.0	5.0	150mt	0	75	K3041	FP85	Quad 2-Input Data Selector/Multiplexer
43	MC74157L	30		MON	2.4%	.40*†	0.0	5.0	150mt	0	75	K3041	M191	Quad 2-Input Data Selector/Multiplexer
44	MC74157P	30		MON	2.4%	.40*†	0.0	5.0	150mt	0	75	K3041	M278	Quad 2-Input Data Selector/Multiplexer
45	MC83150L	30		MON	2.4%	.40*†	0.0	5.0	200mt	0	75	K305e	M291	16-Channel Data Selector.
46	MC83150P	30		MON	2.4%	.40*†	0.0	5.0	200mt	0	75	K305e	M237	16-Channel Data Selector.
47	MC83151L	30		MON	2.4%	.40*†	0.0	5.0	145mt	0	75	K305a	M191	8-Channel Data Selector.
48	MC83151P	30		MON	2.4%	.40*†	0.0	5.0	145mt	0	75	K305a	M278	8-Channel Data Selector.
49	MC83152F	30		MON	2.4%	.40*†	0.0	5.0	130mt	0	75	K3037	TO86	8-Channel Data Selector/Multiplexer.
50	MC83152L	30		MON	2.4%	.40*†	0.0	5.0	130mt	0	70	K3037	TO116	8-Channel Data Selector/Multiplexer
51	MC83152L,P%	30		MON	2.4%	.40*†	0.0	5.0	130mt	0	75	K3037	TO116	8-Channel Data Selector/Multiplexer.
52	MC83153F	30		MON	2.4%	.40*†	0.0	5.0	180mt	0	75	K3044	FP85	Dual 4-Channel Data Selector/Multiplexer.
53	MC83153L	30		MON	2.4%	.40*†	0.0	5.0	180mt	0	75	K3044	M191	Dual 4-Channel Data Selector/Multiplexer.
54	MC83153P	30		MON	2.4%	.40*†	0.0	5.0	180mt	0	75	K3044	M278	Dual 4-Channel Data Selector/Multiplexer.
55	MC93150L	30		MON	2.4%	.40*†	0.0	5.0	200mt	-55	125	K305e	M291	16-Channel Data Selector.
56	MC93151L	30		MON	2.4%	.40*†	0.0	5.0	145mt	-55	125	K305a	M278	8-Channel Data Selector
57	MC93152F	30		MON	2.4%	.40*†	0.0	5.0	130mt	-55	125	K3037	TO86	8-Channel Data Selector/Multiplexer
58	MC93152L	30		MON	2.4%	.40*†	0.0	5.0	130mt	-55	125	K3037	TO116	8-Channel Data Selector/Multiplexer
59	MC93153F	30		MON	2.4%	.40*†	0.0	5.0	180mt	-55	125	K3044	FP85	Dual 4-Channel Data Selector/Multiplexer
60	MC93153L	30		MON	2.4%	.40*†	0.0	5.0	180mt	-55	125	K3044	M191	Dual 4-Channel Data Selector/Multiplexer
61	MIC9309-1B	30			2.4%	.40*	0.0	5.0		-55	125	K3010	FP47b	Dual 4 Input Multiplexer.
62	MIC9309-1D	30			2.4%	.40*	0.0	5.0		-55	125	K3010	M153a	Dual 4 Input Multiplexer.
63	MIC9312-1B	30			2.4%	.40*	0.0	5.0		-55	125	K3013	FP47b	8 Input Multiplexer.
64	MIC9312-1D	30			2.4%	.40*	0.0	5.0		-55	125	K3013	M153a	8 Input Multiplexer.
65	MPX8A	30		3DM	2.4%	.40%	15	15	663mt	0	70	K3090	M368b	8 Chan.MOSFET;Settl.Time 2.0us max.
66	RL211D	30		MON	2.4%	.40*†	0.0	5.5	175m	-55	125	K305s	M105m	Dual 4 Bit Multiplexer.
67	RL211K	30		MON	2.4%	.40*†	0.0	5.5	175m	-55	125	K305s	FP21b	Dual 4 Bit Multiplexer.
68	RL213D	30		MON	2.4%	.40*†	0.0	5.25	200m	0	75	K305s	M105m	Dual 4 Bit Multiplexer.
69	RL213K	30		MON	2.4%	.40*†	0.0	5.25	200m	0	75	K305s	FP21b	Dual 4 Bit Multiplexer.
70	SMC1007	30		3DM	2.4%	.40*	15	15	2.0 †	0	70		M378a	Serial;8 Channel.
71	SMX1004	30		3DM	2.4%	.40*	15	15	990mt	0	70		M379	Serial;6 Channel.
72	SN54259J	30		MON	2.4	.40	0.0	5.0	325mt	-55	125	K30109	M153d	8 Line Demux w/Storage;tpd 15ns.
73	SN54259W	30		MON	2.4	.40	0.0	5.0	325mt	-55	125	K30109	Δ004AG	8 Line Demux w/Storage;tpd 15ns.
74	SN74259J	30		MON	2.4	.40*	0.0	5.0	325mt	0	70	K30109	M153d	8 Line Demux w/Storage;tpd 15ns.
75	SN74259N	30		MON	2.4	.40*	0.0	5.0	325mt	0	70	K30109	M117x	8 Line Demux w/Storage;tpd 15ns.
76	MC8312F	30		MON	2.4%	.45*†	0.0	5.0	135mt	0	75	K305k	FP85	8 Channel Data Selector.
77	MC8312L	30		MON	2.4%	.451*	0.0	5.0	135mt	0	75	K305k	M191	8-Channel Data Selector.
78	MC8312P	30		MON	2.4%	.45*†	0.0	5.0	135mt	0	75	K305k	M278	8-Channel Data Selector.
79	MIC9309-5B	30			2.4%	.45*	0.0	5.0		0	75	K3010	FP47b	Dual 4 Input Multiplexer.
80	MIC9309-5D	30			2.4%	.45*	0.0	5.0		0	75	K3010	M153a	Dual 4 Input Multiplexer.
81	MIC9312-5B	30			2.4%	.45*	0.0	5.0		0	75	K3013	FP47b	8 Input Multiplexer.
82	MIC9312-5D	30			2.4%	.45*	0.0	5.0		0	75	K3013	M153a	8 Input Multiplexer.
83	CAM601A	30		MOS	2.4%	.50*	10	10		-55	125	K3072	CN66	6 Chan.Multiplexer;Ron 60Ω max;±10V Sig.
84	CAM604A	30		MOS	2.4%	.50*	10	10	185m%	-55	125		CN66	4 Channel;Ron 10Ω max.
85▼	MC12021L	30		MON	2.4%	.50*†	0.0	5.0		-30	85	K30131	M200aa	Dual Presetting Sys Offset Programmer;ECT.
86▼	MC12021P	30		MON	2.4%	.50*†	0.0	5.0		-30	85	K30131	M278	Dual Presetting Sys Offset Programmer;ECT.
87▼	MC12521L	30		MON	2.4%	.50*†	0.0	5.0		-55	125	K30131	M200aa	Dual Presetting Sys Offset Programmer;ECT.
88	AD7503KD	30		MON	2.4%	.80*	15	15	450m	0	75	K3015	M361	8 Chan;R(ON) 170Ω;ton,toff 800ns.
89	AD7503SD	30		MON	2.4%	.80*	15	15	450m	-55	125	K3015	M361	8 Chan;R(ON) 170Ω;ton,toff 800ns.
90▼	AD7503SF	30		MON	2.4%	.80*	15	15	450m	-55	125	K3015	M361	8 Chan;R(ON)170Ω;ton,toff 800ns.
91	AD7506KD	30		MON	2.4%	.80*	15	15	1.2	0	75	K3017		16 Chan;ON R(ON) 300Ω;ton,toff 800ns.
92	AD7506TD	30		MON	2.4%	.80*	15	15	1.2	-55	125	K3017		16 Chan;ON R(ON) 400Ω max;ton,toff 800ns.
93	AD7507KD	30		MON	2.4%	.80*	15	15	1.2	0	75	K3018		8 Chan;ON R(ON) 300Ω;ton,toff 800ns.
94	AD7507TD	30		MON	2.4%	.80*	15	15	1.2	-55	125	K3018		8 Chan;ON R(ON) 400Ω max;ton,toff 800ns.
95	MC4002F	30		MON	2.5%	.40*†	0.0	5.0	175mt	0	75	K15312	TO86	Dual Data Distributor.
96	MC4002L,P%	30		MON	2.5%	.40*†	0.0	5.0	175mt	0	75	K15312	TO116	Dual Data Distributor
97	MC7266F	30		MON	2.6%	.40*†	0.0	5.0	200mt	0	75	K3040	TO85	2-Input;4-Bit Data Selector.
98	MC7266L	30		MON	2.6%	.40*†	0.0	5.0	200mt	0	75	K3040	M191	2-Input;4-Bit Data Selector.
99	MC7266P	30		MON	2.6%	.40*†	0.0	5.0	200mt	0	75	K3040	M278	2-Input;4-Bit Data Selector.
100	MC7267F	30		MON	2.6%	.40*†	0.0	5.0	200mt	0	75	K3040	TO85	2-Input;4-Bit Data Sel.(Open Collector).
101	MC7267L	30		MON	2.6%	.40*†	0.0	5.0	200mt	0	75	K3040	M191	2-Input;4-Bit Data Sel.(Open Collector).
102	MC7267P	30		MON	2.6%	.40*†	0.0	5.0	200mt	0	75	K3040	M278	2-Input;4-Bit Data Sel.(Open Collector).
103	MC8266F	30		MON	2.6%	.40*†	0.0	5.0		-55	125	K3040	TO85	2-Input;4-Bit Data Selector.
104	MC8266L	30		MON	2.6%	.40*†	0.0	5.0		-55	125	K3040	M191	2-Input;4-Bit Data Selector
105	N8230B	30		MON	2.6%	.40†	0.0	5.0	250m	0	75	K305f	M117h	8 input digital multiplexer.
106	N8230E	30		MON	2.6%	.40†	0.0	5.0	250m	0	75	K305f	M153a	8 Input Digital Multiplexer.
107	N8230R	30		MON	2.6%	.40†	0.0	5.0	250m	0	75	K305f	FP47c	8 input digital multiplexer.
108	N8231B	30		MON	2.6%	.40†	0.0	5.0	250m	0	75	K305f	M117h	8 input digital multiplexer.
109	N8231E	30		MON	2.6%	.40†	0.0	5.0	250m	0	75	K305f	M153a	8 Input Digital Multiplexer.
110	N8231R	30		MON	2.6%	.40†	0.0	5.0	250m	0	75	K305f	FP47c	8 input digital multiplexer.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	N8232B	30		MON	2.6%	.40†	0.0	5.0	262m	0	75	K305f	M117h	8 input digital multiplexer.
2	N8232E	30		MON	2.6%	.40†	0.0	5.0	262m	0	75	K305f	M153a	8 Input Digital Multiplexer.
3	N8232R	30		MON	2.6%	.40†	0.0	5.0	262m	0	75	K305f	FP47c	8 input digital multiplexer.
4	N8233B	30		MON	2.6%	.40†*	0.0	5.0	252m	0	75	K3046	M256	2 Input;4 bit Digital Multiplexer.
5	N8233E	30		MON	2.6%	.40†*	0.0	5.0	252m	0	75	K3046	M153a	2 Input;4 bit Digital Multiplexer.
6	N8233R	30		MON	2.6%	.40†*	0.0	5.0	252m	0	75	K3046	FP79a	2 Input;4 bit Digital Multiplexer.
7	N8263N	30		MON	2.6%	.40†*	0.0	5.0	420m	0	75	K3048	M237	3 Input,4-Bit Digital Multiplexer.
8	N8263P	30		TTL	2.6%	.40†	0.0	5.0	475m	0	75	K3048	FP59	3 input, 4 bit digital multiplexer.
9	N8263Y	30		MON	2.6%	.40†*	0.0	5.0	420m	0	75	K3048	M270	3 Input,4-Bit Digital Multiplexer.
10	N8264N	30		MON	2.6%	.40†*	0.0	5.0	475m	0	75	K3049	M237	3 Input,4-Bit Digital Multiplexer.
11	N8264P	30		TTL	2.6%	.40†	0.0	5.0	475m	0	75	K3049	FP59	3 input, 4 bit digital multiplexer.
12	N8264Y	30		MON	2.6%	.40†*	0.0	5.0	475m	0	75	K3049	M270	3 Input,4-Bit Digital Multiplexer.
13	N8266B	30		MON	2.6%	.40†	0.0	5.0	275m	0	75	K3050a	M117h	2 input, 4 bit digital multiplexer.
14	N8266E	30		MON	2.6%	.40†*	0.0	5.0	275m	0	75	K3050a	M153a	2 Input,4-Bit Digital Multiplexer.
15	N8266R	30		MON	2.6%	.40†	0.0	5.0	275m	0	75	K3050a	FP47c	2 input, 4 bit digital multiplexer.
16	N8267B	30		MON	2.6%	.40†	0.0	5.0	275m	0	75	K3050	M117h	2 input, 4 bit digital multiplexer.
17	N8267E	30		MON	2.6%	.40†*	0.0	5.0	275m	0	75	K3050	M153a	2 Input,4-Bit Digital Multiplexer.
18	N8267R	30		MON	2.6%	.40†	0.0	5.0	275m	0	75	K3050	FP47c	2 input, 4 bit digital multiplexer.
19	S8230B	30		MON	2.6%	.40†	0.0	5.0	250m	-55	125	K305f	M117h	8 input digital multiplexer.
20	S8230E	30		MON	2.6%	.40†	0.0	5.0	250m	-55	125	K305f	M105s	8 input digital multiplexer.
21	S8230R	30		MON	2.6%	.40†	0.0	5.0	250m	-55	125	K305f	FP47c	8 input digital multiplexer.
22	S8231B	30		MON	2.6%	.40†	0.0	5.0	250m	-55	125	K305f	M117h	8 input digital multiplexer.
23	S8231E	30		MON	2.6%	.40†	0.0	5.0	250m	-55	125	K305f	M105s	8 input digital multiplexer.
24	S8231R	30		MON	2.6%	.40†	0.0	5.0	250m	-55	125	K305f	FP47c	8 input digital multiplexer.
25	S8232B	30		MON	2.6%	.40†	0.0	5.0	262m	-55	125	K305f	M117h	8 input digital multiplexer.
26	S8232E	30		MON	2.6%	.40†	0.0	5.0	262m	-55	125	K305f	M105s	8 input digital multiplexer.
27	S8232R	30		MON	2.6%	.40†	0.0	5.0	262m	-55	125	K305f	FP47c	8 input digital multiplexer.
28	S8233B	30		MON	2.6%	.40†*	0.0	5.0	252m	-55	125	K3046	M256	2 Input;4 bit Digital Multiplexer.
29	S8233E	30		MON	2.6%	.40†*	0.0	5.0	252m	-55	125	K3046	M153a	2 Input;4 bit Digital Multiplexer.
30	S8233R	30		MON	2.6%	.40†*	0.0	5.0	252m	-55	125	K3046	FP79a	2 Input;4 bit Digital Multiplexer.
31	S8263N	30		MON	2.6%	.40†*	0.0	5.0	420m	-55	125	K3048	M237	3 Input,4-Bit Digital Multiplexer.
32	S8263P	30		MON	2.6%	.40†	0.0	5.0	420m	-55	125	K3048	FP59	3 input, 4 bit digital multiplexer.
33	S8263Y	30		MON	2.6%	.40†	0.0	5.0	420m	-55	125	K3048	M183	3 input, 4 bit digital multiplexer.
34	S8264N	30		MON	2.6%	.40†*	0.0	5.0	475m	-55	125	K3049	M237	3 Input,4-Bit Digital Multiplexer.
35	S8264P	30		MON	2.6%	.40†	0.0	5.0	475m	-55	125	K3049	FP59	3 input, 4 bit digital multiplexer.
36	S8264Y	30		MON	2.6%	.40†	0.0	5.0	475m	-55	125	K3049	M183	3 input, 4 bit digital multiplexer.
37	S8266B	30		MON	2.6%	.40†	0.0	5.0	275m	-55	125	K3050a	M117h	2 input, 4 bit digital multiplexer.
38	S8266E	30		MON	2.6%	.40†	0.0	5.0	275m	-55	125	K3050a	M105s	2 input, 4 bit digital multiplexer.
39	S8266R	30		MON	2.6%	.40†	0.0	5.0	275m	-55	125	K3050a	FP47c	2 input, 4 bit digital multiplexer.
40	S8267B	30		MON	2.6%	.40†	0.0	5.0	275m	-55	125	K3050	M117h	2 input, 4 bit digital multiplexer.
41	S8267E	30		MON	2.6%	.40†	0.0	5.0	275m	-55	125	K3050	M105s	2 input, 4 bit digital multiplexer.
42	S8267R	30		MON	2.6%	.40†	0.0	5.0	275m	-55	125	K3050	FP47c	2 input, 4 bit digital multiplexer.
43▼	MDS4	30		PCB	3.0%	.40*	0.0	5.0		0	70		CB53	Digital Scanner;tpd 40ns.
44▼	MDS4A	30		PCB	3.0%	.40*	0.0	5.0		0	70		CB53	Digital Scanner;tpd 40ns;Comp Output.
45	AD7506JD	30		MON	3.0%	.80*	15	15	1.2	0	75	K3017		16 Chan;ON R(ON) 300Ω;ton,toff 800ns.
46	AD7506SD	30		MON	3.0%	.80*	15	15	1.2	-55	125	K3017		16 Chan;ON R(ON) 400Ω max;ton,toff 800ns.
47	AD7507JD	30		MON	3.0%	.80*	15	15	1.2	0	75	K3018		8 Chan;ON R(ON) 300Ω;ton,toff 800ns.
48	AD7507SD	30		MON	3.0%	.80*	15	15	1.2	-55	125	K3018		8 Chan;ON R(ON) 400Ω max;ton,toff 800ns.
49▼	IH5060CDI	30		MOS	3.0%	.80*	15	15	12	0	70	K30136	M506	CMS 16 Chan Analog Mux(1 of 16).
50▼	IH5060MDI	30		MOS	3.0%	.80*	15	15	12	-55	125	K30136	M506	CMS 16 Chan Analog Mux(1 of 16).
51▼	IH5070CDI	30		MOS	3.0%	.80*	15	15	12	0	70	K30137	M506	CMS 8 Chan Diff Anal Mux(2 of 16).
52▼	IH5070MDI	30		MOS	3.0%	.80*	15	15	12	-55	125	K30137	M506	CMS 8 Chan Diff Anal Mux(2 of 16).
53	DG501AP	30		MOS	3.5%	.60*	20	5.0	1.2	-55	125	K3056	TO116	8-Chan Multiplex SW;ton 2.5us;toff 1.5us.
54▼	DG501BP	30		MOS	3.5%	.60*	20	5.0	450m	-20	85	K3056	M535	8-Chan Multiplex SW;ton 2.5us;toff 1.5us.
55	DG501CJ	30		MOS	3.5%	.60*	20	5.0	470m	0	70	K3056	TO116	8-Chan Multiplex SW;ton1.2us;toff 800ns.
56	AY6-4016	30		MOS	3.5%	.80*	-12	5.0		-55	125		M193	16 Channel Random/Sequential multiplexer.
57	MU6-8572	30	200k		3.5%	.80*	12	5.0		-55	125	K3071	M265	16 Channel Multiplexer;tr and tf 1.0us max
58#	M004T1	30	1.0M	MOS	3.5%	.80*	12	5.0	300m†	0	70	K30126	M193	4 Digit MUX/Decoder;tr,tf 1.0us max.
59#	M004T2	30	1.0M	MOS	3.5%	.80*	12	5.0	300m†	-55	125	K30126	M193	4 Digit MUX/Decoder;tr,tf 1.0us max.
60	192	30		3DM	3.5%	1.5*	15	15		0	70	K30102	M452	8 Channel;Acc 0.01%.
61♦#	GZF1201	30		MON	3.5%	1.5*	0.0	5.0	500n	-40	85	K30138		4 Decade Counter w/BCD Mux Out.
62	MM54C151D	30		MOS	3.5%	1.5*	0.0	5.0	500m	-55	125	K30123	M346a	8-Channel Digital Multiplexer.
63	MM54C157D	30		MOS	3.5%	1.5*	0.0	5.0	500m	-55	125	K30104	M346a	Quad 2-Input Multiplexer.
64	HI-1F1818-2	30		MON	4.0%	.40*	12	12	200m	-55	125	K3028	M210c	8 Chan Analog;R(on)250Ω.
65	HI-1F1818-5	30		MON	4.0%	.40*	12	12	200m	0	75	K3028	M210c	8 Chan Analog;R(on)250Ω.
66	HI-1F1818A2	30		MON	4.0%	.40*	12	12	200m	-55	125	K3028	M210c	8 Chan Analog;R(on)250Ω.
67	HI-1F1818A5	30		MON	4.0%	.40*	12	12	200m	0	75	K3028	M210c	8 Chan Analog;R(on)250Ω.
68	HI-1F1828-2	30		MON	4.0%	.40*	12	12	200m	-55	125	K3028a	M210c	8 Chan Analog;R(on)250Ω.
69	HI-1F1828-5	30		MON	4.0%	.40*	12	12	200m	0	75	K3028a	M210c	8 Chan Analog;R(on)250Ω.
70	HI-1F1828A2	30		MON	4.0%	.40*	12	12	200m	-55	125	K3028a	M210c	8 Chan Analog;R(on)250Ω.
71	HI-1F1828A5	30		MON	4.0%	.40*	12	12	200m	0	75	K3028a	M210c	8 Chan Analog;R(on)250Ω.
72▼	4551	30		MOS	4.0%	.80*	15	15	7.5m	0	75	K30134	M349	8 Channel Differential Multiplexer.
73▼	4552	30		MOS	4.0%	.80*	15	15	7.5m	0	75	K30135	M349	16 Channel Multiplexer.
74	AD7503JD	30		MON	4.0%	.80*	15	15	450m	0	75	K3015	M361	8 Chan;R(ON) 170Ω;ton,toff 800ns.
75▼	AD7503JF	30		MON	4.0%	.80*	15	15	450m	0	75	K3015	M361	8 Chan;R(ON)170Ω;ton,toff 800ns.
76▼	AD7503KF	30		MON	4.0%	.80*	15	15	450m	0	75	K3015	M361	8 Chan;R(ON)170Ω;ton,toff 800ns.
77	HI-1L506A2	30		MON	4.0%	.80*	15	15	1.2	-55	125	K3029	M349	16 Chan Analog;R(on)1.2kΩ;ton,toff 300ns.
78	HI-1L506A5	30		MON	4.0%	.80*	15	15	1.2	0	75	K3029	M349	16 Chan Analog;R(on)1.5kΩ;ton,toff 300ns.
79	HI-1L507A2	30		MON	4.0%	.80*	15	15	1.2	-55	125	K3092	M349	Dual 8 Chan;R(on)1.2kΩ;ton,toff 300ns.
80	HI-1L507A5	30		MON	4.0%	.80*	15	15	1.2	0	75	K3092	M349	Dual 8 Chan;R(on)1.5kΩ;ton,toff 300ns.
81	MPC8D	30			4.0%	.80*	15	15	7.5m%	0	75	K30130	M316d	8 Chan Dual Mux for Diffl Input.
82	MPC16S	30			4.0%	.80*	15	15	7.5m%	0	75	K30129	M316d	16 Chan Mux for Single Ended Input.
83	MM16	30	500k	3DM	4.0%	.80*	15	15	180m%	0	70	K30101	M435	16 Chan Anal;Vin ±10V.
84	MMD8	30	500k	3DM	4.0%	.80*	15	15	600m%	0	70	K30100	M434	8 Chan.Diff.Anal;Vin ±10V.
85▼	4550	30	800k%	3DM	4.0	.80	15	15	730m	0	70	K30133		Buffered 16 Channel Multiplexer.
86	DV640	30		3DM	4.5	0.0	0.0	15		0	70	K30107	M469	Multiplexer.
87	DV641	30		3DM	4.5	0.0	0.0	15		0	70	K30108	M469a	Demultiplexer.
88	T217	30	10M	PCB	5.0	0.0	4.8	5.2	650m	0	70		CB☑	Four-Input Digital Multiplexer.
89	350AJ	30		MON	6.5*	5.0%	0.0	15	640m†	-30	70	K3036	M319	8 Input Multiplexer;Isink 25mA max.
90	350AL	30		MON	6.5*	5.0%	0.0	15	640m†	-30	70	K3036	M200j	8 Input Multiplexer;Isink 25mA max.
91	350BL	30		MON	6.5*	5.0%	0.0	12	429m†	-55	125	K3036	M200j	8 Input Multiplexer;Isink 25mA max.
92	350CJ	30		MON	6.5*	5.0%	0.0	12	429m†	-30	85	K3036	M319	8 Input Multiplexer;Isink 25mA max.
93	350CL	30		MON	6.5*	5.0%	0.0	12	429m†	-30	85	K3036	M200j	8 Input Multiplexer;Isink 25mA max.
94	350ML	30		MON	6.5*	5.0%	0.0	15	640m†	-55	125	K3036	M200j	8 Input Multiplexer;Isink 25mA max.
95	351AJ	30		MON	6.5*	5.0%	0.0	12	640m†	-30	70	K308a	M319	Dual 4 Input Multiplexer;Isink 25mA max.
96	351AL	30		MON	6.5*	5.0%	0.0	12	640m†	-30	70	K308a	M200j	Dual 4 Input Multiplexer;Isink 25mA max.
97	351BL	30		MON	6.5*	5.0%	0.0	12	429m†	-55	125	K308a	M200j	Dual 4 Input Multiplexer;Isink 25mA max.
98	351CJ	30		MON	6.5*	5.0%	0.0	12	429m†	-30	85	K308a	M319	Dual 4 Input Multiplexer;Isink 25mA max.
99	351CL	30		MON	6.5*	5.0%	0.0	12	429m†	-30	85	K308a	M200j	Dual 4 Input Multiplexer;Isink 25mA max.
100	351ML	30		MON	6.5*	5.0%	0.0	15	640m†	-55	125	K308a	M200j	Dual 4 Input Multiplexer;Isink 25mA max.
101▼	TF4512AJ	30		MOS	7.1%§	2.9*	0.0	10	6.0m%	-55	125	K305d	M153d	8 Channel Data Selector.
102▼	TF4512AN	30		MOS	7.1%§	2.9*	0.0	10	6.0m%	-55	125	K305d	M117x	8 Channel Data Selector.
103▼	TF4519AJ#1	30		MON	7.1%	2.9*	0.0	10	600u%	-55	125	K30139	M153d	Quad 2 Channel Data Select.
104▼	TF4519AN#1	30		MON	7.1%	2.9*	0.0	10	600u%	-55	125	K30139	M117x	Quad 2 Channel Data Select.
105▼	TP4512AJ	30		MOS	7.1%§	2.9*	0.0	10	14m%	-40	85	K305d	M153d	8 Channel Data Selector.
106▼	TP4512AN	30		MOS	7.1%§	2.9*	0.0	10	14m%	-40	85	K305d	M117x	8 Channel Data Selector.
107▼	TP4519AJ#1	30		MOS	7.1%	2.9*	0.0	10	3.0m%	-40	85	K30139	M153d	Quad 2 Channel Data Select.
108▼	TP4519AN#1	30		MOS	7.1%	2.9*	0.0	10	3.0m%	-40	85	K30139	M117x	Quad 2 Channel Data Select.
109	HD1-54C151	30		MOS	8.0%	2.0*	0.0	10	50n%	-55	125	K30103	M200q	8 Channel Digital Multiplexer.
110	HD1-54C157	30		MOS	8.0%	2.0*	0.0	10	50n%	-55	125	K30104	M200q	Quad 2 Input Multiplexer.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	HD1-74C151	30		MOS	8.0%	2.0*	0.0	10	50n%	-40	85	K30103	M200q	8 Channel Digital Multiplexer.
2	HD1-74C157	30		MOS	8.0%	2.0*	0.0	10	50n%	-40	85	K30104	M200q	Quad 2 Input Multiplexer.
3	HD9-54C151	30		MOS	8.0%	2.0*	0.0	10	50n%	-55	125	K30103	FP103	8 Channel Digital Multiplexer.
4	HD9-54C157	30		MOS	8.0%	2.0*	0.0	10	50n%	-55	125	K30104	FP103	Quad 2 Input Multiplexer.
5	HD9-74C151	30		MOS	8.0%	2.0*	0.0	10	50n%	-40	85	K30103	FP103	8 Channel Digital Mulitplexer.
6	HD9-74C157	30		MOS	8.0%	2.0*	0.0	10	50n%	-40	85	K30104	FP103	Quad 2 Input Multiplexer.
7	MM74C151N	30		MOS	8.0%	2.0*	0.0	10	50n	0	70	K30123	M319	8 Channel Digital Multiplexer.
8	MM74C154N	30		MOS	8.0%	2.0*	0.0	10	100u	0	70	K30124		4 to 16 Line Decoder/Demultiplexer.
9	MM74C157N	30		MOS	8.0%	2.0*	0.0	10	50n	0	70	K30125	M319	Quad 2-Input Multiplexer.
10▼	DG503AP	30		MOS	8.5	.60	20	10	825m	-55	125	K305b	M537	8-Chan.Multiplexer SW;ton 1.2us;toff 0.8us
11▼	DG503BP	30		MOS	8.5	.60	20	10	450m	-25	85	K3056	M535	8-Chan Multiplex SW;ton 1.5us;toff 1.0us
12▼	CD40257AD	30		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K30140	Δ001AD	Quad AND/OR Data Selector w/Tri-State Out.
13▼	CD40257AE	30		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K30140	Δ001AB	Quad AND/OR Data Selector w/Tri-State Out.
14▼	CD40257AF	30		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K30140	Δ001AB	Quad AND/OR Data Selector w/Tri-State Out.
15▼	CD40257AK	30		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K30140	Δ004AF	Quad AND/OR Data Selector w/Tri-State Out.
16▼	CD40257AY	30		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K30140	Δ001AB	Quad AND/OR Data Selector w/Tri-State Out.
17	MC14016AL	30		MOS	9.99%	.01*†	0.0	10	100n%	-55	125	K304	TO116	Quad Analog Sw/Quad Multiplier.
18	MC14016CL,P%	30		MOS	9.99%	.01*†	0.0	10	100n%	-40	85	K304	TO116	Quad Analog Sw/Quad Multiplier.
19	MC14512AL	30		MOS	9.99%	.01*†	0.0	10	75n%	-55	125	K305d	M191	8-Channel Data Selector.
20	MC14512CL	30		MOS	9.99%	.01*†	0.0	10	75n%	-40	85	K305d	M191	8-Channel Data Selector.
21	MC14512CP	30		MOS	9.99%	.01*†	0.0	10	75n%	-40	85	K305d	M278	8-Channel Data Selector.
22	MC14519AL#1	30		MOS	9.99%	.01*†	0.0	10	10u%	-55	125	K306	M191	Quad 2-Channel Data Select.
23	MC14519CL#1	30		MOS	9.99%	.01*†	0.0	10	100u%	-40	85	K306	M191	Quad 2-Channel Data Select.
24	MC14519CP#1	30		MOS	9.99%	.01*†	0.0	10	100u%	-40	85	K306	M278	Quad 2 Channel Data Select.
25♦	MC14539AL	30		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K3061	M200aa	Dual 4-Channel Data Selector/Multiplexer.
26♦	MC14539CL	30		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K3061	M200aa	Dual 4-Channel Data Selector/Multiplexer.
27	MC14539CP	30		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K3061	M278	Dual 4-Channel Data Selector/Multiplexer.
28	MC14555AL	30		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K3062	M191	Dual Binary to 1-of-4 Dec./Demultiplexer.
29	MC14555CL	30		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K3062	M191	Dual Binary to 1-of-4 Dec./Demultiplexer.
30	MC14555CP	30		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K3062	M278	Dual Binary to 1-of-4 Dec./Demultiplexer.
31	MC14556AL	30		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K3062a	M191	Dual Binary to 1-of-4 Dec./Demultiplexer.
32	MC14556CL	30		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K3062a	M191	Dual Binary to 1-of-4 Dec./Demultiplexer.
33	MC14556CP	30		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K3062a	M278	Dual Binary to 1-of-4 Dec./Demultiplexer.
34	MC14529AL	30	10M%	MOS	9.99%	.01*†	0.0	10	10u%	-55	125	K3075	M200w	Dual 4-Channel/8-Channel Analog Sel
35	MC14529CL	30	10M%	MOS	9.99%	.01*†	0.0	10	50u%	-40	85	K3075	M200w	Dual 4-Channel Or An 8-Channel Analog Sel
36	MC14529CP	30	10M%	MOS	9.99%	.01*†	0.0	10	50u%	-40	85	K3075	M117y	Dual 4-Channel Or An 8-Channel Analog Sel.
37	CM4108AD	30	2.0MΔ	MOS	-1.5	-4.2*	15	0.0	600m	-55	125	K3093	M☑	16 Channel Random Access Multiplexer.
38	CM4108AE	30	2.0MΔ	MOS	-1.5	-4.2*	15	0.0	600m	-40	85	K3093	M☑	16 Channel Random Access Multiplexer.
39	CM4108AF	30	2.0MΔ	MOS	-1.5	-4.2*	15	0.0	600m	-55	125	K3093	FP☑	16 Channel Random Access Multiplexer.
40	UC6410F	30		MOS	-2.0%	-5.0*	0.0	40	900m	-55	125	K3066e	TO87	6 Channel Multiplexer;tr 30ns max
41	UC7410F	30		MOS	-2.0%	-5.0*	0.0	40	900m	0	70	K3066e	TO87	6 Channel Multiplexer;tr 30ns max
42	W802	30		PCB	-3.0	0.0	15	10		-20	65	K3068	CB31a	Relay Multiplexer.
43	MM482	30	2.0M	MOS	-8.0%	-1.0*†	25	50	40m	-55	125	K3074	TO100	Dual Digital Multiplex Switch.
44	MM582	30	2.0M	MOS	-8.0%	-1.0*†	25	50	40m	0	70	K3074	TO100	Dual Digital Multiplex Switch.
45	CD4051AD	30		MOS	10	0.0	5.0	5.0	200m	-55	125	K3053	Δ001AE	CMS Single 8-Channel Multiplexer;tpd 200ns
46	CD4051AE	30		MOS	10	0.0	5.0	5.0	200m	-55	125	K3053	Δ001AC	CMS Single 8-Channel Multiplexer;tpd 200ns
47	CD4051AK	30		MOS	10	0.0	5.0	5.0	200m	-55	125	K3053	Δ004AG	CMS Single 8-Channel Multiplexer;tpd 200ns
48	CD4052AD	30		MOS	10	0.0	5.0	5.0	200m	-55	125	K3054	Δ001AE	CMS Diff.4-Channel Multiplexer;tpd 200ns.
49	CD4052AE	30		MOS	10	0.0	5.0	5.0	200m	-55	125	K3054	Δ001AC	CMS Diff.4-Channel Multiplexer;tpd 200ns.
50	CD4052AK	30		MOS	10	0.0	5.0	5.0	200m	-55	125	K3054	Δ004AG	CMS Diff. 4-Channel Multiplexer;tpD 200ns.
51	CD4053AD	30		MOS	10	0.0	5.0	5.0	200m	-55	125	K3055	Δ001AE	CMS Triple 2-Channel Multipl;tpd 200ns.
52	CD4053AE	30		MOS	10	0.0	5.0	5.0	200m	-55	125	K3055	Δ001AC	CMS Triple 2-Channel Multipl;tpd 200ns.
53	CD4053AK	30		MOS	10	0.0	5.0	5.0	200m	-55	125	K3055	Δ004AG	CMS Triple 2-Channel Multipl;tpd 200ns.
54	MS504#1	30		MON	12.8%	3.2*	0.0	16	1.0u%	-55	125	K3027	M☑	C/MOS 8 channel Analog Multiplexer;16 Lead
55	MS504#2	30		MON	12.8%	3.2*	0.0	16	1.0u%	-55	125	K3027	FP☑	C/MOS 8 channel Analog Multiplexer;16 Lead
56	MS504#3	30		MON	12.8%	3.2*	0.0	16	1.0u%	-55	125	K3027	M☑	C/MOS 8 channel Analog Multiplexer;24 Lead
57	MS504#4	30		MON	12.8%	3.2*	0.0	16	1.0u%	-55	125	K3027	FP☑	C/MOS 8 channel Analog Multiplexer;24 Lead
58▼	CD4051BD	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3053	Δ001AE	Single 8-Channel Mux/DeMux.
59▼	CD4051BE	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3053	Δ001AC	Single 8-Channel Mux/DeMux.
60▼	CD4051BF	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3053	Δ001AC	Single 8-Channel Mux/DeMux.
61▼	CD4051BK	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3053	Δ004AG	Single 8-Channel Mux/DeMux.
62▼	CD4051BY	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3053	Δ001AC	Single 8-Channel Mux/DeMux.
63▼	CD4052BD	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3054	Δ001AE	Diff 4-Channel Mux/DeMux.
64▼	CD4052BE	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3054	Δ001AC	Diff 4-Channel Mux/DeMux.
65▼	CD4052BF	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3054	Δ001AC	Diff 4-Channel Mux/DeMux.
66▼	CD4052BK	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3054	Δ004AG	Diff 4-Channel Mux/DeMux.
67▼	CD4052BY	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3054	Δ001AC	Diff 4-Channel Mux/DeMux.
68▼	CD4053BD	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3055	Δ001AE	Triple 2-Channel Mux/DeMux.
69▼	CD4053BE	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3055	Δ001AC	Triple 2-Channel Mux/DeMux.
70▼	CD4053BF	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3055	Δ001AC	Triple 2-Channel Mux/DeMux.
71▼	CD4053BK	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3055	Δ004AG	Triple 2-Channel Mux/DeMux.
72▼	CD4053BY	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K3055	Δ001AC	Triple 2-Channel Mux/DeMux.
73▼	CD40257BD	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K30140	Δ001AE	Quad AND/OR Data Selector w/Tri-State Out
74▼	CD40257BE	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K30140	Δ001AC	Quad AND/OR Data Selector w/Tri-State Out
75▼	CD40257BF	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K30140	Δ001AC	Quad AND/OR Data Selector w/Tri-State Out
76▼	CD40257BK	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K30140	Δ004AG	Quad AND/OR Data Selector w/Tri-State Out
77▼	CD40257BY	30		MOS	15%	.05*†	0.0	15	200m	-55	125	K30140	Δ001AC	Quad AND/OR Data Selector w/Tri-State Out
78	5060	31		3DM			15	15	300m§	-55	100			Analog Divider;Linearity ±.50% FS max.
79	5061	31		3DM			15	15	240m§	-55	100			Analog Divider;Linearity ±.10% FS max.
80	HBY80801	31		MOH			0	8	1.0	-55	125			4 Bit Arithmetic unit.
81	HBY80809	31		MOH			0	8	1.0	0	70			4 Bit Arithmetic unit.
82	MM5725N	31		MOS			35	0.0	504m	0	70	K3121	M478	One Chip Calculator.
83	SN54LS181W	31										K312	Δ019AA	
84	MC897P	31		MON	.80%	.50*†	0.0	3.6	225m†	0	75	K319	TO116	Dual Full Subtractors;tpd 60ns typ.
85	MC997F	31		MON	.82%	.57*	0	4	70m†	-55	125	K319a	TO86	Dual Full Subtractors;tpd 60ns typ.
86	MC797F	31		MON	.85%	.46*	0.0	3.6	225m†	15	55	K319	TO86	Dual Full Subtractors;tpd 60ns typ.
87	MC797P	31		MON	.85%	.46*	0.0	3.6	225m†	15	55	K319	TO116	Dual Full Subtractors;tpd 60ns typ.
88	MC897F	31		MON	.85%	.56*	0	4	70m†	-55	125	K319a	TO86	Dual Full Subtractors;tpd 60ns typ.
89	S2144	31		MOS	-.80%	-6.6*	10	0.0		0	45	K3124	M506	8-Digit Display Calculator.
90	MC1021P	31		MON	-.85%	-1.5*†	5.2	0.0	145m†	0	75	K3110	TO116	Full Subtractor;Fan Out 25.
91	MC1221F	31		MON	-.85%	-1.5*†	5.2	0.0	145m†	-55	125	K3110	TO86	Full Subtractor;Fan Out 25.
92	MC1221L	31		MON	-.85%	-1.5*†	5.2	0.0	145m	-55	125	K3110	TO116	Full Subtractor;tpd 10ns;Fan Out 15 min.
93	SN10180J	31	125M	ECT	-.85	-1.7	5.2	0.0		0	85		M153d	High Speed Adder/Subtractor.
94	SN10180N	31	125M	ECT	-.85	-1.7	5.2	0.0	450m	0	85		M117x	High Speed Adder/Subtractor.
95#	GXB10181	31		MON	-.88	-1.7†	5.2	0.0		0	75	K3112	M200f	4 bit ALU/Function Generator;tpd 2.0ns ave
96	MC10580F	31		MON	-.93%	-1.6*†	5.2	0.0	360m†	-55	125	K311	FP85	Dual 2-Bit Adder/Subtractor.
97	MC10580L	31		MON	-.93%	-1.6*†	5.2	0.0	360m†	-55	125	K311	M191	Dual 2-Bit Adder/Subtractor.
98	MC10581F	31		MON	-.93%	-1.6*†	5.2	0.0	600m†	-55	125	K312	FP85	4-Bit Arithmetic Logic Unit/Function Gen.
99	MC10581L	31		MON	-.93%	-1.6*†	5.2	0.0	600m†	-55	125	K312	M191	4-Bit Arithmetic Logic Unit/Function Gen.
100	10181F	31		MON	-.96%	-1.6*†	5.2	0.0	600m†	-30	85	K3112	M153e	4-Bit ALU/Function Generator.
101	MC10180L	31		MON	-.96%	-1.6*†	5.2	0.0	360m†	-30	85	K311	M191	Dual 2-Bit Adder/Subtractor.
102	MC10180P	31		MON	-.96%	-1.6*†	5.2	0.0	360m†	-30	85	K311	M278	Dual 2-Bit Adder/Subtractor.
103	MC10181L	31		MON	-.96%	-1.6*†	5.2	0.0	600m†	-30	85	K3112	M291	4-Bit Arith.Logic Unit/Function Generator.
104	MC10181P	31		MON	-.96%	-1.6*†	5.2	0.0	600m†	-30	85	K3112	M237	4-Bit Arith.Logic Unit/Function Generator.
105	MC10182L	31		MON	-.96%	-1.6*†	5.2	0.0	575m†	-30	85	K3118	M191	2-Bit ALU/Function Generator.
106	T221	31		PCB	1.7	.90	0.0	5.0	850m	0	70		CB☑	Arith.Logic Unit;TTL;Adds,Subtracts,etc.
107	9340FC	31		MON	1.8%	.85*	0.0	5.25	425m†	0	75	K316	FP66	Arith.Logic Unit;TTL;Adds,Subtracts,etc.
108	5535	31		PCB	2.0%	.45*	0.0	5.0	940m†	0	70		CB62	ALU/Function Generator;tpd 35ns.
109	93L40DC	31			2.0%	.70*	0.0	5.0	110m†	0	75	K313	M246	4 bit;lo 30mA max;tpd 99ns max.
110	93L40DM	31			2.0%	.70*	0.0	5.0	110m†	-55	125	K313	M246	4 bit;lo 30mA max;tpd 99ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	93L40FM	31			2.0%	.70*	0.0	5.0	110m†	-55	125	K313	FP105	4 bit;lo 30mA max;tpd 99ns max.
2	93L40PC	31			2.0%	.70*	0.0	5.0	110m†	0	75	K313	M197a	4 bit;lo 30mA max;tpd 99ns max.
3	93L41DC	31			2.0%	.70*	0.0	5.0	125m†	0	75	K314	M246	4 bit ALU/Function Generator;tpd 80ns max
4	93L41DM	31			2.0%	.70*	0.0	5.0	125m†	-55	125	K314	M246	4 bit ALU/Function Generator;tpd 80ns max
5	93L41FM	31			2.0%	.70*	0.0	5.0	125m†	-55	125	K314	FP105	4 bit ALU/Function Generator;tpd 80ns max
6	93L41PC	31			2.0%	.70*	0.0	5.0	125m†	0	75	K314	M197a	4 bit ALU/Function Generator;tpd 80ns max
7	AM25L06DC	31			2.0%	.70*	0.0	5.0	125m†	0	75	K315	M246	4 bit ALU/Function Generator w/Outp Latch
8	AM25L06DM	31			2.0%	.70*	0.0	5.0	125m†	-55	125	K315	M246	4 bit ALU/Function Generator w/Outp Latch
9	AM25L06FM	31			2.0%	.70*	0.0	5.0	125m†	-55	125	K315	FP105	4 bit ALU/Function Generator w/Outp Latch
10	AM25L06PC	31			2.0%	.70*	0.0	5.0	125m†	0	75	K315	M197a	4 bit ALU/Function Generator w/Outp Latch
11	SN54LS181J	31		MON	2.0%	.70*	0.0	5.0	105m†	-55	125	K312	Δ015AA	Arithmetic Logic Unit/Function Generator.
12	9340DC	31		MON	2.0%	.80*	0.0	5.0	640m%	0	75	K313	M246	4 bit ALU;lo 30mA max;tpd 38ns max.
13	9340DM	31		MON	2.0%	.80*	0.0	5.0	635m%	-55	125	K313	M246	4 bit ALU;lo 30mA max;tpd 38ns max.
14	9340FM	31		MON	2.0%	.80*	0.0	5.0	635m%	-55	125	K313	FP105	4 bit ALU;lo 30mA max;tpd 38ns max.
15	9340PC	31		MON	2.0%	.80*	0.0	5.0	640m%	0	75	K313	M197a	4 bit ALU;lo 30mA max;tpd 38ns max.
16	9341DC	31			2.0%	.80*	0.0	5.0	750m%	0	75	K314	M246	4 bit ALU/Function Generator;tpd 37ns max
17	9341DM	31			2.0%	.80*	0.0	5.0	675m%	-55	125	K314	M246	4 bit ALU/Function Generator;tpd 37ns max
18	9341FC	31		MON	2.0%	.80*	0.0	5.0	750m§	0	75	K317	FP66a	4 Bit Arithmetic Logic Unit;tpd 44ns max.
19	9341FM	31			2.0%	.80*	0.0	5.0	675m%	-55	125	K314	FP105	4 bit ALU/Function Generator;tpd 37ns max
20	9341PC	31		MON	2.0%	.80*	0.0	5.0	750m%	0	75	K314	M197a	4 bit ALU/Function Generator;tpd 37ns max
21	AM2506DC	31			2.0%	.80*	0.0	5.0	750m%	0	75	K315	M246	4 bit ALU/Function Generator w/Outp Latch
22	AM2506DM	31			2.0%	.80*	0.0	5.0	675m%	-55	125	K315	M246	4 bit ALU/Function Generator w/Outp Latch
23	AM2506FM	31			2.0%	.80*	0.0	5.0	675m%	-55	125	K315	FP105	4 bit ALU/Function Generator w/Outp Latch
24	AM2506PC	31			2.0%	.80*	0.0	5.0	750m%	0	75	K315	M197a	4 bit ALU/Function Generator w/Outp Latch
25	DM54181J	31		MON	2.0%	.80*	0.0	5.0	700m%	-55	125	K312	M397	ALU/Function Generator;tpd 50ns max.
26	DM74181J	31		MON	2.0%	.80*	0.0	5.0	700m%	0	70	K312	M397	ALU/Function Generator;tpd 50ns max.
27	DM74181N	31		MON	2.0%	.80*	0.0	5.0	700m%	0	70	K312	M396	ALU/Function Generator;tpd 50ns max.
28♦#	FLH401-74181	31		MON	2.0%	.80*	0.0	5.0	750m§	0	70	K312	M186	4 Bit;tpd 50ns max;FO 20 max.
29♦#	FLH405-84181	31		MON	2.0%	.80*	0.0	5.0	750m§	-25	85	K312	M186	4 Bit;tpd 50ns max;FO 20 max
30▼#	GFB74181	31		MON	2.0%	.80*	0.0	5.0	700m§	0	75	K3117	M199b	4 Bit ALU;tpd 25ns max.
31#	GTB74S181	31		MON	2.0%	.80*	0.0	5.0	19m†	0	70	K312	M199b	4 bit ALU;tpd 3.0ns.
32▼#	M5S181P	31		MON	2.0%	.80*	0.0	5.0	600m%	0	75	K312	M186	4-Bit ALU/Function Generator.
33	JANM38510/01101BJC	31		MON	2.0%	.80*	0.0	5.5	795m	-55	125	K312	M477	TTL ALU/Function Generator;tpd 80ns max.
34	JANM38510/01101BKB	31		MON	2.0%	.80*	0.0	5.5	795m	-55	125	K312	M477	TTL Alu/Function Generator;tpd 80ns max.
35	JANM38510/01101BLB	31		MON	2.0%	.80*	0.0	5.5	795m	-55	125	K312	FP113	TTL Alu/Function Generator;tpd 80ns max.
36	JANM38510/01101BZC	31		MON	2.0%	.80*	0.0	5.5	795m	-55	125	K312	FP114	TTL Alu/Function Generator;tpd 80ns max.
37	JANM38510/01101CJC	31		MON	2.0%	.80*	0.0	5.5	795m	-55	125	K312	M477	TTL ALU/Function Generator;tpd 80ns max.
38	JANM38510/01101CKB	31		MON	2.0%	.80*	0.0	5.5	795m	-55	125	K312	M477	TTL Alu/Function Generator;tpd 80ns max.
39	JANM38510/01101CLB	31		MON	2.0%	.80*	0.0	5.5	795m	-55	125	K312	FP113	TTL Alu/Function Generator;tpd 80ns max.
40	JANM38510/01101CZC	31		MON	2.0%	.80*	0.0	5.5	795m	-55	125	K312	FP114	TTL Alu/Function Generator;tpd 80ns max.
41#	M53381P	31		MON	2.0%	.80*	0.0	5.0	600m%	0	75	K312	M186	Arithmetic Logic Unit/Function Generator.
42#	M54401P	31		MON	2.0%	.80*	0.0	7.0	270m	0	75	K318	M105j	Dual Full Adder/Full Subtractor.
43#	MIC54181J	31		MON	2.0%	.80*	0.0	5.0	675m†	-55	125	K312	M477	Arithmetic Logic Unit/Function Generators.
44#	MIC64181J	31		MON	2.0%	.80*	0.0	5.0	750m†	-40	85	K312	M477	Arithmetic Logic Unit/Function Generators.
45#	MIC74181J	31		MON	2.0%	.80*	0.0	5.0	750m†	0	75	K312	M477	Arithmetic Logic Unit/Function Generators
46#	MIC74181N	31		MON	2.0%	.80*	0.0	5.0	750m†	0	75	K312	M197c	Arithmetic Logic Unit/Function Generators.
47	N74LS181F	31		MON	2.0%	.80*	0.0	5.0	185m†	0	70	K312	M351c	Alu/Function Generator.
48	N74LS181N	31		MON	2.0%	.80*	0.0	5.0	185m†	0	70	K312	M474	Alu/Function Generator.
49▼	N74S181F	31		MON	2.0%	.80*	0.0	5.0	795m§	0	70	K312	M541	ALU/Function Generator;tpd 30ns max.
50▼	N74S181N	31		MON	2.0%	.80*	0.0	5.0	1.1 §	0	70	K312	M474	ALU/Function Generator;tpd 30ns max.
51▼	N74S181Q	31		MON	2.0%	.80*	0.0	5.0	795m§	0	70	K312	FP59b	ALU/Function Generator;tpd 30ns max.
52▼	N74181F	31		MON	2.0%	.80*	0.0	5.0	750m§	0	70	K312	M541	High Speed;tpd 50ns max;FO 20 max.
53▼	N74181N	31		MON	2.0%	.80*	0.0	5.0	750m§	0	70	K312	M474	High Speed;tpd 50ns max;FO 20 max.
54	S54LS181F	31		MON	2.0%	.80*	0.0	5.0	175m†	-55	125	K312	M351c	Alu/Function Generator.
55	S54LS181N	31		MON	2.0%	.80*	0.0	5.0	175m†	-55	125	K312	M474	Alu/Function Generator.
56	S54LS181Q	31		MON	2.0%	.80*	0.0	5.0	175m†	-55	125	K312	FP59b	Alu/Function Generator.
57▼	S54S181N	31		MON	2.0%	.80*	0.0	5.0	675m§	-55	125	K312	M474	ALU/Function Generator;tpd 30ns max.
58▼	S54181F	31		MON	2.0%	.80*	0.0	5.0	675m§	-55	125	K312	M541	High Speed;tpd 50ns max;FO 20 max.
59▼	S54181N	31		MON	2.0%	.80*	0.0	5.0	675m§	-55	125	K312	M474	High Speed;tpd 50ns max;FO 20 max.
60▼	S54181Q	31		MON	2.0%	.80*	0.0	5.0	675m§	-55	125	K312	FP59b	High Speed;tpd 50ns max;FO 20 max.
61#	SFC4181E	31		MON	2.0%	.80*	0.0	5.0		0	70	K312	M186	Arithmetic Logic Units/Function Generators
62#	SFC4181EM	31		MON	2.0%	.80*	0.0	5.0		-55	125	K312	M186	Arithmetic Logic Units/Function Generators
63#	SFC4181ET	31		MON	2.0%	.80*	0.0	5.0		-25	85	K312	M186	Arithmetic Logic Units/Function Generators
64	SN54S181W	31		MON	2.0%	.80*	0.0	5.0	600m%	-55	125	K312	Δ019AA	Arithmetic Logic Units/Function Generators
65	SN74LS181J	31		MON	2.0%	.80*	0.0	5.0	105m†	0	70	K312	Δ015AA	Arithmetic Logic Unit/Function Generator.
66	SN74LS181N	31		MON	2.0%	.80*	0.0	5.0	105m†	0	70	K312	M186	Arithmetic Logic Unit/Function Generator.
67	SN74S181J	31		MON	2.0%	.80*	0.0	5.0	600m%	0	70	K312	Δ015AA	Arithmetic Logic Units/Function Generators
68	SN74S181N	31		MON	2.0%	.80*	0.0	5.0	600m%	0	70	K312	M186	Arithmetic Logic Units/Function Generators
69	SN74S381N	31		MON	2.0%	.80*	0.0	5.0	525m†	0	70	K3116	M186	4-Bit Parallel ALU/Func.Gen.
70	SN54181J	31		MON	2.0%	.80*	0.0	5.0	675m%	-55	125	K312	Δ015AA	Arithmetic Logic Unit/Function Generator.
71	SN54181N	31		MON	2.0%	.80*	0.0	5.0	675m%	-55	125	K312	M186	Arithmetic Logic Units/Function Generators
72	SN54181W	31		MON	2.0%	.80*	0.0	5.0	675m%	-55	125	K312	Δ019AA	Arithmetic Logic Unit/Function Generator.
73	SN74181J	31		MON	2.0%	.80*	0.0	5.0	750m%	0	70	K312	Δ015AA	Arithmetic Logic Unit/Function Generator.
74	SN74181N	31		MON	2.0%	.80*	0.0	5.0	750m%	0	70	K312	M186	Arithmetic Logic Units/Function Generators
75	SW74181J	31		MON	2.0%	.80*	0.0	5.0	750m†	0	70	K312	M197	Arithmetic Logic Units/Function Generators
76	SW74181N	31		MON	2.0%	.80*	0.0	5.0	750m%	0	70	K312	M274	Arithmetic Logic Unit/Function Generator.
77	T54S181	31		MON	2.0%	.80*	0.0	5.0	800m§	-55	125	K312	M277a	Arith.Logic Unit Function Gener;tpd30nsmax
78	T54S181A	31		MON	2.0%	.80*	0.0	5.0	675m§	-55	125	K312	M277a	Arith.Logic Unit Function Gener;tpd30nsmax
79	T74S181	31		MON	2.0%	.80*	0.0	5.0	1.1 §	0	70	K312	M277a	Arith.Logic Unit Function Gener;tpd30nsmax
80#	TL74181N	31		MON	2.0%	.80*	0.0	5.0	315m†	0	70	K312	M186	Arithmetic Logic Unit/Function Generator.
81#	ZN54181E	31		MON	2.0%	.80*	0.0	5.0	675m%	-55	125	K312	TO116	Arithmetic Logic Unit/Function Generator.
82#	ZN54181J	31		MON	2.0%	.80*	0.0	5.0	675m%	-55	125	K312	M257e	Arithmetic Logic Unit/Function Generator.
83#	ZN74181E	31		MON	2.0%	.80*	0.0	5.0	675m%	0	70	K312	TO116	Arithmetic Logic Unit/Function Generator.
84#	ZN74181J	31		MON	2.0%	.80*	0.0	5.0	675m%	0	70	K312	M257e	Arithmetic Logic Unit/Function Generator.
85	MC54181F	31		MON	2.4%	.40*†	0.0	5.0	470mt	-55	125	K3113	FP91	4-Bit Arithmetic Logic Unit/Function Gen.
86	MC54181L	31		MON	2.4%	.40*†	0.0	5.0	470mt	-55	125	K3113	M291	4-Bit Arithmetic Logic Unit/Function Gen.
87	MC74181F	31		MON	2.4%	.40*†	0.0	5.0	470mt	0	75	K3113	FP91	4-Bit Arithmetic Logic Unit/Function Gen.
88	MC74181L	31		MON	2.4%	.40*†	0.0	5.0	470mt	0	75	K3113	M291	4-Bit Arithmetic Logic Unit/Function Gen.
89	MC74181P	31		MON	2.4%	.40*†	0.0	5.0	470mt	0	75	K3113	M237	4-Bit Arithmetic Logic Unit/Function Gen.
90	54R181	31			2.5	.40	0.0	5.0	675m	-55	125			Arithmetic Logic Unit/Function Generator.
91	74R181	31			2.5	.40	0.0	5.0	750m	0	75			Arithmetic Logic Unit/Function Generator.
92	MC7260F	31		MON	2.6%	.40*†	0.0	5.0	400mt	0	75	K3111	FP91	Arithmetic Logic Element.
93	MC7260L	31		MON	2.6%	.40*†	0.0	5.0	400mt	0	75	K3111	M291	Arithmetic Logic Element.
94	MC7260P	31		MON	2.6%	.40*†	0.0	5.0	400mt	0	75	K3111	M237	Arithmetic Logic Element.
95	MC8260F	31		MON	2.6%	.40*†	0.0	5.0	400mt	-55	125	K3111	FP91	Arithmetic Logic Element.
96	MC8260L	31		MON	2.6%	.40*†	0.0	5.0	400mt	-55	125	K3111	M291	Arithmetic Logic Element.
97	N8260N	31		MON	2.6%	.40†*	0.0	5.0	600m	0	75	K3111	M237	Arithmetic Logic Element;Gate Array.
98	N8260P	31		MON	2.6%	.40†	0.0	5.0	600m	0	75	K3111	FP59	Arithmetic logic element;gate array.
99	N8260Y	31		MON	2.6%	.40†*	0.0	5.0	600m	0	75	K3111	M270	Arithmetic Logic Element;Gate Array.
100	S8260N	31		MON	2.6%	.40†*	0.0	5.0	600m	-55	125	K3111	M237	Arithmetic Logic Element;Gate Array.
101	S8260P	31		MON	2.6%	.40†	0.0	5.0	600m	-55	125	K3111	FP59	Arithmetic logic element;gate array.
102	S8260Y	31		MON	2.6%	.40†*	0.0	5.0	600m	-55	125	K3111	M270	Arithmetic Logic Element;Gate Array.

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MC14581AL	31		MOS	4.99%	.01*†	0.0	10	100u%	-55	125	K3113	M292	4-Bit Arithmetic Logic Unit
2	MC14581CL	31		MOS	4.99%	.01*†	0.0	10	1.0m%	-40	85	K3113	M292	4-Bit Arithmetic Logic Unit
3	CD4057AD	31	900kΔ%	MOS	4.99*	.01†%	0.0	5.0	200m	-55	125	K3114	Δ015AH	CMS LSI 4 Bit Arith.Logic Unit;tpd5.4usmax
4	CD4057AH	31	900kΔ%	MOS	4.99*	.01†%	0.0	5.0	200m	-55	125	K3114	FC6c	CMS LSI 4 Bit Arith.Logic Unit;tpd5.4usmax
5	CD4057AK	31	900kΔ%	MOS	4.99*	.01†%	0.0	5.0	200m	-55	125	K3114	FP109a	CMOS LSI 4 Bit ALU;tpd 5.4us max.
6#	HBC4057AD	31	900kΔ%	MOS	4.99*	.01†%	0.0	5.0	200m	-55	125	K3114	Δ015AH	CMS LSI 4 Bit ALU;tpd 5.4us max.
7#	HBC4057AK	31	900kΔ%	MOS	4.99*	.01†%	0.0	5.0	200m	-55	125	K3114	FP117	CMS LSI 4 Bit ALU;tpd 5.4us max.
8▼	CD40181AD	31		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K31125	Δ015AG	4-Bit;tpd 715ns max.
9▼	CD40181AK	31		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K31125	FP109	4-Bit;tpd 715ns max.
10	MC14561AL	31		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K3119	TO116	9s Complementer w/MC14560.
11	MC14561CL,P%	31		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K3119	TO116	9s Complementer w/MC14560.
12	MM5307AAD	31	1.0MΔ	MOS	-1.5%	-4.2*	12	5.0	700m	0	70	K3120	M297a	Band Rate Gen/Programmable Divider.
13	MM5307AAN	31	1.0MΔ	MOS	-1.5%	-4.2*	12	5.0	700m	0	70	K3120	M344	Band Rate Gen/Programmable Divider.
14	MM5736N	31		MOS	-7.0%	-3.5*	9.5	0.0	30m†	0	70	K3122	M347	LSI 6 Digit Calculator.
15	MM5738N	31		MOS	-7.0%	-3.5*	9.5	0.0	95m	0	70		M396	Calculator;8 Digit Capacity.
16	MM5739N	31		MOS	-7.0%	-3.5*	9.5	0.0	71m	0	70	K3123	M497	Calculator;9 Digit Capacity.
17▼	CD40181BD	31		MOS	15%	.05*†	0.0	15	200m	-55	125	K31125	Δ015AG	4-Bit;tpd 715ns.
18▼	CD40181BK	31		MOS	15%	.05*†	0.0	15	200m	-55	125	K31125	FP109	4-Bit;tpd 715ns.
19	MC3302P	32		MON			0.0	28	625m	-40	85	K3225	M157d	Quad Comparator;CMRR 60dB.
20	MC1650F	32		MON	-.96%	-1.6*†	5.2	0.0	330m†	-30	85	K321	FP85	Dual;tpd 3.5ns;MECL III.
21	MC1650L	32		MON	-.96%	-1.6*†	5.2	0.0	330m†	-30	85	K321	M191	Dual;tpd 3.5nst;MECL III.
22	MC1651F	32		MON	-.96%	-1.6*†	5.2	0.0	330m†	-30	85	K321	FP85	Dual;tpd 3.0ns;MECL III.
23	MC1651L	32		MON	-.96%	-1.6*†	5.2	0.0	330m†	-30	85	K321	M191	Dual;tpd 3.0nst;MECL III.
24	MC10166L	32		MON	-.96%	-1.6*†	5.2	0.0	440m†	-30	85	K3220	M191	5-Bit Magnitude Comparator.
25	9324FC	32		MON	1.8%	.85*	0.0	5.25	385m%	0	75	K327	FP47b	5 Bit TTL Comparator.
26	5586	32	20MΔ%	PCB	2.0%	.45*	0.0	5.0	800m§	0	70	K3219	CB62	3x4 bit Digital;Average tpd 16ns.
27	93L24DC	32			2.0%	.70*	0.0	5.0	52m†	0	75	K322	M224c	5 bit;lo 30mA max;tpd 102ns max.
28	93L24DM	32			2.0%	.70*	0.0	5.0	52m†	-55	125	K322	M224c	5 bit;lo 30mA max;tpd 102ns max.
29	93L24FM	32			2.0%	.70*	0.0	5.0	52m†	-55	125	K322	FP79b	5 bit;lo 30mA max;tpd 102ns max.
30	93L24PC	32			2.0%	.70*	0.0	5.0	52m†	0	75	K322	M357	5 bit;lo 30mA max;tpd 102ns max.
31	DM54L85F	32		MON	2.0%	.70*	0.0	5.0	20m†	-55	125	K3222	FP88b	4 Bit Magnitude;tpd 115ns max.
32	DM54L85J	32		MON	2.0%	.70*	0.0	5.0	20m†	-55	125	K3222	M346a	4 Bit Magnitude;tpd 115ns max.
33	DM54L85N	32		MON	2.0%	.70*	0.0	5.0	20m†	-55	125	K3222	M345	4 Bit Magnitude;tpd 115ns max.
34	DM74L85F	32		MON	2.0%	.70*	0.0	5.0	20m†	0	70	K3222	FP88b	4 Bit Magnitude;tpd 115ns max.
35	DM74L85J	32		MON	2.0%	.70*	0.0	5.0	20m†	0	70	K3222	M346a	4 Bit Magnitude;tpd 115ns max.
36	DM74L85N	32		MON	2.0%	.70*	0.0	5.0	20m†	0	70	K3222	M345	4 Bit Magnitude;tpd 115ns max.
37	DM76L24J	32		MON	2.0%	.70*	0.0	5.0	75m†	-55	125	K3223	M200r	Tri-State 4 Bit Magnitude Comparator.
38	DM76L24N	32		MON	2.0%	.70*	0.0	5.0	75m†	-55	125	K3223	M345	Tri-State 4 Bit Magnitude Comparator.
39	DM86L24J	32		MON	2.0%	.70*	0.0	5.0	75m†	0	70	K3223	M200r	Tri-State 4 Bit Magnitude Comparator.
40	DM86L24N	32		MON	2.0%	.70*	0.0	5.0	75m†	0	70	K3223	M345	Tri-State 4 Bit Magnitude Comparator.
41	DM5485N	32		MON	2.0%	.70*	0.0	5.0	20m†	-55	125	K3222	M345	4 Bit Magnitude;tpd 115ns max.
42	DM7485N	32		MON	2.0%	.70*	0.0	5.0	20m†	0	70	K3222	M345	4 Bit Magnitude;tpd 115ns max.
43	SN54L85J	32		MON	2.0%	.70*	0.0	5.0	20m†	-55	125	K3222	M153d	4 Bit Magnitude Comp;tpd 150ns max.
44	SN54LS85J	32		MON	2.0%	.70*	0.0	5.0	52m†	-55	125	K323	M153d	4 Bit Magnitude Comp;tpd 36ns max.
45	SN54LS85W	32		MON	2.0%	.70*	0.0	5.0	52m†	-55	125	K323	Δ004AG	4 Bit Magnitude Comp;tpd 36ns max.
46	SN74L85J	32		MON	2.0%	.70*	0.0	5.0	20m†	0	70	K3222	M153d	4 Bit Magnitude Comp;tpd 150ns max.
47	SN74L85N	32		MON	2.0%	.70*	0.0	5.0	20m†	0	70	K3222	M117x	4 Bit Magnitude Comp;tpd 150ns max.
48	9324DC	32		MON	2.0%	.80*	0.0	5.0	345m%	0	75	K322	M224c	5 bit;lo 30mA max;tpd 49ns max.
49	9324DM	32		MON	2.0%	.80*	0.0	5.0	320m%	-55	125	K322	M224c	5 bit;lo 30mA max;tpd 49ns max.
50	9324FM	32		MON	2.0%	.80*	0.0	5.0	320m%	-55	125	K322	FP79b	5 bit;lo 30mA max;tpd 49ns max.
51	9324PC	32		MON	2.0%	.80*	0.0	5.0	345m%	0	75	K322	M357	5 bit;lo 30mA max;tpd 49ns max.
52	DM7130D	32		MON	2.0%	.80*	0.0	5.0	240m†	-55	125	K3214	M346a	10 Bit Comparator;tpd 40ns max.
53	DM7130F	32		MON	2.0%	.80*	0.0	5.0	240m†	-55	125	K3214	FP88b	10 Bit Comparator;tpd 40ns max.
54	DM7131J	32		MON	2.0%	.80*	0.0	5.0	370m%	-55	125	K3221	M200r	6 Bit Unified Bus Comp;FO 10;tpd 20ns.
55	DM7131N	32		MON	2.0%	.80*	0.0	5.0	370m%	-55	125	K3221	M345	6 Bit Unified Bus Comp;FO 10;tpd 20ns.
56	DM7131W	32		MON	2.0%	.80*	0.0	5.0	370m%	-55	125	K3221	FP88a	6 Bit Unified Bus Comp;FO 10;tpd 20ns.
57	DM7136J	32		MON	2.0%	.80*	0.0	5.0	370m%	-55	125	K3221a	M200r	6 Bit Unified Bus Comp;FO 10;tpd 20ns.
58	DM7136W	32		MON	2.0%	.80*	0.0	5.0	370m%	-55	125	K3221a	FP88a	6 Bit Unified Bus Comp;FO 10;tpd 20ns.
59	DM7160D	32		MON	2.0%	.80*	0.0	5.0	205m†	-55	125	K3215	M346a	6 Bit Comparator;tpd 40ns max.
60	DM7160W	32		MON	2.0%	.80*	0.0	5.0	205m†	-55	125	K3215	FP88a	6 Bit Comparator;tpd 40ns max.
61	DM7200J	32		MON	2.0%	.80*	0.0	5.0	175m†	-55	125	K3210	M294b	4 Bit;tpd 40ns max;Set Up Time 10ns max.
62	DM7200N	32		MON	2.0%	.80*	0.0	5.0	175m†	-55	125	K3210	M344	4 Bit;tpd 40ns max;Set Up Time 10ns max.
63	DM7200W	32		MON	2.0%	.80*	0.0	5.0	175m†	-55	125	K3210	FP97a	4 Bit;tpd 40ns max;Set Up Time 10ns max.
64	DM8130D	32		MON	2.0%	.80*	0.0	5.0	240m†	0	70	K3214	M346a	10 Bit Comparator;tpd 40ns max.
65	DM8130F	32		MON	2.0%	.80*	0.0	5.0	240m†	0	70	K3214	FP88b	10 Bit Comparator;tpd 40ns max.
66	DM8130N	32		MON	2.0%	.80*	0.0	5.0	240m†	0	70	K3214	M396	10 Bit Comparator;tpd 40ns max.
67	DM8131J	32		MON	2.0%	.80*	0.0	5.0	370m%	0	70	K3221	M200r	6 Bit Unified Bus Comp;FO 10;tpd 20ns.
68	DM8131N	32		MON	2.0%	.80*	0.0	5.0	370m%	0	70	K3221	M345	6 Bit Unified Bus Comp;FO 10;tpd 20ns.
69	DM8136N	32		MON	2.0%	.80*	0.0	5.0	370m%	0	70	K3221a	M345	6 Bit Unified Bus Comp;FO 10;tpd 20ns.
70	DM8160J	32		MON	2.0%	.80*	0.0	5.0	205m†	0	70	K3215	M200r	6 Bit Comparator;tpd 40ns max.
71	DM8160N	32		MON	2.0%	.80*	0.0	5.0	205m†	0	70	K3215	M345	6 Bit Comparator;tpd 40ns max.
72	DM8160W	32		MON	2.0%	.80*	0.0	5.0	205m†	0	70	K3215	FP88a	6 Bit Comparator;tpd 40ns max.
73	DM8200J	32		MON	2.0%	.80*	0.0	5.0	175m†	0	70	K3210	M294b	4 Bit;tpd 40ns max;Set Up Time 10ns max.
74	DM8200N	32		MON	2.0%	.80*	0.0	5.0	175m†	0	70	K3210	M344	4 Bit;tpd 40ns max;Set Up Time 10ns max.
75#	FLH431-7485	32		MON	2.0%	.80*	0.0	5.0	440m§	0	70	K323	M117w	4 Bit Comparator;tpd 35ns max.
76#	FLH435-8485	32		MON	2.0%	.80*	0.0	5.0	440m§	-25	85	K323	M117w	4 Bit Comparator;tpd 35ns max.
77▼	N74S85B	32		MON	2.0%	.80*	0.0	5.0	575m	0	70	K323	M317	4 Bit Magnitude;tpd 18ns max.
78▼	N74S85F	32		MON	2.0%	.80*	0.0	5.0	575m	0	70	K323	M257f	4 Bit Magnitude;tpd 18ns max.
79▼	N7485B	32		MON	2.0%	.80*	0.0	5.0	440m§	0	70	K323	M317	4 Bit Magnitude;tpd 20ns max;FO 10 max.
80▼	N7485F	32		MON	2.0%	.80*	0.0	5.0	440m§	0	70	K323	M200v	4 Bit Magnitude;tpd 20ns max;FO 10 max.
81▼	S54S85F	32		MON	2.0%	.80*	0.0	5.0	575m	-55	125	K323	M200v	4 Bit Magnitude;tpd 18ns max.
82▼	S54S85W	32		MON	2.0%	.80*	0.0	5.0	550m	-55	125	K323	FP47g	4 Bit Magnitude;tpd 18ns max.
83▼	S5485B	32		MON	2.0%	.80*	0.0	5.0	440m§	-55	125	K323	M317	4 Bit Magnitude;tpd 20ns max;FO 10 max.
84▼	S5485F	32		MON	2.0%	.80*	0.0	5.0	440m§	-55	125	K323	M200v	4 Bit Magnitude;tpd 20ns max;FO 10 max.
85▼	S5485W	32		MON	2.0%	.80*	0.0	5.0	440m§	-55	125	K323	FP47g	4 Bit Magnitude;tpd 20ns max;FO 10 max.
86#	SFC485E	32			2.0%	.80*	0.0	5.0	280m†	0	70	K329	M117	4 Bit Magnitude Comparator;tpd 35ns max.
87#	SFC485EM	32			2.0%	.80*	0.0	5.0	280m†	-55	125	K329	M117	4 Bit Magnitude Comparator;tpd 35ns max.
88#	SFC485ET	32			2.0%	.80*	0.0	5.0	280m†	-25	85	K329	M117	4 Bit Magnitude Comparator;tpd 35ns max.
89	SN54S85J	32		MON	2.0%	.80*	0.0	5.0	365m†	-55	125	K323	M153d	4 Bit Magnitude Comp;tpd 18ns max.
90	SN54S85W	32		MON	2.0%	.80*	0.0	5.0	365m†	-55	125	K323	Δ004AG	4 Bit Magnitude Comp;tpd 18ns max.
91	SN74LS85J	32		MON	2.0%	.80*	0.0	5.0	52m†	0	70	K323	M153d	4 Bit Magnitude Comp;tpd 36ns max.
92	SN74LS85N	32		MON	2.0%	.80*	0.0	5.0	52m†	0	70	K323	M117x	4 Bit Magnitude Comp;tpd 36ns max.
93	SN74S85J	32		MON	2.0%	.80*	0.0	5.0	365m†	0	70	K323	M153d	4 Bit Magnitude Comp;tpd 18ns max.
94	SN74S85N	32		MON	2.0%	.80*	0.0	5.0	365m†	0	70	K323	M117x	4 Bit Magnitude Comp;tpd 18ns max.
95	SN5485J	32		MON	2.0%	.80*	0.0	5.0	275m†	-55	125	K323	M153d	4 Bit Magnitude Comp;tpd 35ns max.
96	SN5485W	32		MON	2.0%	.80*	0.0	5.0	275m†	-55	125	K323	Δ004AG	4 Bit Magnitude Comp;tpd 35ns max.
97	SN7485J	32		MON	2.0%	.80*	0.0	5.0	275m†	0	70	K323	M153d	4 Bit Magnitude Comp;tpd 35ns max.
98	SN7485N	32		MON	2.0%	.80*	0.0	5.0	275m†	0	70	K323	M117x	4 Bit Magnitude Comp;tpd 35ns max.
99	T9324F	32		MON	2.0%	.80*	0.0	5.0	405m§	0	75	K327	FP101a	TTL Five Bit Comparator;tpd 48ns max.
100	T9324FM	32		MON	2.0%	.80*	0.0	5.0	405m§	-55	125	K327	FP101a	TTL Five Bit Comparator;tpd 45ns max.
101	T9324J	32		MON	2.0%	.80*	0.0	5.0	405m§	0	75	K327	M153c	TTL Five Bit Comparator;tpd 48ns max.
102	T9324JM	32		MON	2.0%	.80*	0.0	5.0	405m§	-55	125	K327	M153c	TTL Five Bit Comparator;tpd 45ns max.
103#	TL7485N	32		MON	2.0%	.80*	0.0	5.0	462m†	0	70	K323	M117u	4Bit Comparator;tpd 35ns max.
104#	ZN5485E	32		MON	2.0%	.80*	0.0	5.0	275m†	-55	125	K323	TO116	4 Bit Magnitude Comp;tpd 35ns max.
105#	ZN5485J	32		MON	2.0%	.80*	0.0	5.0	275m†	-55	125	K323	M257e	4 Bit Magnitude Comp;tpd 35ns max.
106#	ZN7485E	32		MON	2.0%	.80*	0.0	5.0	275m†	0	70	K323	TO116	4 Bit Magnitude Comp;tpd 35ns max.
107#	ZN7485J	32		MON	2.0%	.80*	0.0	5.0	275m†	0	70	K323	M257e	4 Bit Magnitude Comp;tpd 35ns max.
108	MC8324F	32		MON	2.4%	.40*†	0.0	5.0	220m†	0	75	K322	FP85	5-Bit Comparator.
109	MC8324L	32		MON	2.4%	.40*†	0.0	5.0	220m†	0	75	K322	M191	5-Bit Comparator.
110	MC8324P	32		MON	2.4%	.40*†	0.0	5.0	220m†	0	75	K322	M278	5-Bit Comparator.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MC9324F	32		MON	2.4%	.40*†	0.0	5.0	220m†	-55	125	K322	FP85	5-Bit Comparator.
2	MC9324L	32		MON	2.4%	.40*†	0.0	5.0	220m†	-55	125	K322	M191	5-Bit Comparator.
3	MC4021P	32		MON	2.5%	.40*†	0.0	5.0	250m†	0	75	K3211	M278	Dual 4-Bit Comparator.
4	MC4022P	32		MON	2.5%	.40*†	0.0	5.0	250m†	0	75	K3211	M278	Dual 4-Bit Comparator.
5	N8269A	32		MON	2.6%	.40†*	0.0	5.0	278m	0	75	K3216	TO116	4 bit Comparator.
6	N8269F	32		MON	2.6%	.40†*	0.0	5.0	278m	0	75	K3216	M157	4 bit Comparator.
7	N8269Q	32		MON	2.6%	.40†*	0.0	5.0	278m	0	75	K3216	TO88	4 bit Comparator.
8	S8269A	32		MON	2.6%	.40†*	0.0	5.0	278m	-55	125	K3216	TO116	4 bit Comparator.
9	S8269F	32		MON	2.6%	.40†*	0.0	5.0	278m	-55	125	K3216	M157	4 bit Comparator.
10	S8269Q	32		MON	2.6%	.40†*	0.0	5.0	278m	-55	125	K3216	TO88	4 bit Comparator.
11▼	MDC8	32		PCB	3.0%	.40*	0.0	5.0		0	70		CB53	8 Bit Digital Comparator.
12▼	TMWC2	32		PCB	3.3	.22	0.0	5.0	550m	0	70		CB53	4 Bit Bin/BCD Comparator;2Ckts.
13▼	TMDC8	32	10M	PCB	3.3	.22	0.0	5.0	230m	0	70		CB53	8 Bit Digital Comparator.
14#	SP740BE	32		MON	3.5%	.40*Δ	7.0	5.0	230m%	-55	125	K324	M105z	Current comparator;DTL/TTL outp;td 63ns.
15#	SP740BF	32		MON	3.5%	.40*Δ	7.0	5.0	230m%	-55	125	K324	FP2d	Current comparator;DTL/TTL outp;toff 63ns.
16#	SP740BT	32		MON	3.5%	.40*Δ	7.0	5.0	230m%	-55	125	K324	CN58a	Current comparator;DTL/TTL Outp;toff 63ns.
17	MM54C85D	32		MOS	3.5%	1.5*	0.0	5.0	500m	-55	125	K3226	M346a	4-Bit Magnitude Comparator.
18	MM74C85N	32		MOS	3.5%	1.5*	0.0	5.0	500m	0	70	K3226	M345	4-Bit Magnitude Comparator.
19▼#	MSM582	32		MOS	3.6%	.80*	0.0	5.0	50u§	-20	70	K3222	M256a	4 Bit Magnitude;Comp 1.0us max;FO 15.
20	I209	32	5.0M	PCB	5.0	0.0	0.0	5.0	500m%			K3213	CB☑	Digital comparator; prop delay 125ns.
21	T218	32	15M	PCB	5.0	0.0	0.0	5.0	1.0 %			K3218	CB☑	Four bit digital comparator.
22	FCH281	32			6.0	0.0			50m	0	75	K328	M126c	5 Bit Comparator.
23	343AJ	32		MON	6.5*	5.0%	0.0	15	840m†	-30	70	K326	M319	4 Bit Dig Comparator;tpd 1.0us max.
24	343AL	32		MON	6.5*	5.0%	0.0	15	840m†	-30	70	K326	M200j	4 Bit Dig Comparator;tpd 1.0us max.
25	343BL	32		MON	6.5*	5.0%	0.0	12	504m†	-55	125	K326	M200j	4 Bit Dig Comparator;tpd 1.0us max.
26	343CJ	32		MON	6.5*	5.0%	0.0	12	504m†	-30	85	K326	M319	4 Bit Dig Comparator;tpd 1.0us max.
27	343CL	32		MON	6.5*	5.0%	0.0	12	504m†	-30	85	K326	M200j	4 Bit Dig Comparator;tpd 1.0us max.
28	343ML	32		MON	6.5*	5.0%	0.0	15	840m†	-55	125	K326	M200j	4 Bit Dig Comparator;tpd 1.0us max.
29#	MIC343-1D	32		MON	6.5%	5.0*	0	12		-55	125	K326	M200d	4-Bit Comparator.
30#	MIC343-1D1	32		MON	6.5%	5.0*	0	15		-55	125	K326	M200d	4-Bit Comparator.
31#	MIC343-5D	32		MON	6.5%	5.0*	0	12		-30	85	K326	M200d	4-Bit Comparator.
32#	MIC343-5D1	32		MON	6.5%	5.0*	0	15		-30	70	K326	M200d	4-Bit Comparator.
33	HD1-54C85	32		MOS	8.0%	2.0*	0.0	10	500m	-55	125	K3222	M200q	4 Bit Magnitude Comparator.
34	HD1-74C85	32		MOS	8.0%	2.0*	0.0	10	500m	-40	85	K3222	M200q	4 Bit Magnitude Comparator.
35	HD9-54C85	32		MOS	8.0%	2.0*	0.0	10	500m	-55	125	K3222	FP103	4 Bit Magnitude Comparator.
36	HD9-74C85	32		MOS	8.0%	2.0*	0.0	10	500m	-40	85	K3222	FP103	4 Bit Magnitude Comparator.
37	CD4063BH	32		MOS	9.99%	.01*†	0.0	10	200m	-55	125	K3224	FC☑	4 Bit Magnitude Comparator.
38	MC14585AL	32		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K3212	M191	4-Bit Magnitude Comparator.
39	MC14585CL	32		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K3212	M191	4-Bit Magnitude Comparator.
40	MC14585CP	32		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K3212	M278	4-Bit Magnitude Comparator.
41#	SP741BF	32		MON	-1.6%	.85*Δ	5.2	5.0	200m%	-55	125	K325	FP2d	Curr.comp.;ECL/ECL T.C.outp;toff 50ns.
42#	SP741BT	32		MON	-1.6%	.85*Δ	5.2	5.0	200m%	-55	125	K325	CN58a	Curr.comp.;ECL/ECL T.C.Outp;toff 50ns.
43#	SP741BE	32		MON	-1.6%	-.85†Δ	5.2	5.0	200m%	-55	125	K325	M105z	Current comparator;ECL/ECL T.C.out;td 50ns
44	CD4063BD	32		MOS	10	0.0	0.0	10	200m	-55	125	K3224	Δ001AE	4-Bit Magnitude Comparator.
45	CD4063BE	32		MOS	10	0.0	0.0	10	200m	-40	85	K3224	Δ001AC	4-Bit Magnitude Comparator.
46	CD4063BF	32		MOS	10	0.0	0.0	10	200m	-55	125	K3224	Δ001AC	4-Bit Magnitude Comparator.
47	CD4063BK	32		MOS	10	0.0	0.0	10	200m	-55	125	K3224	Δ004AG	4-Bit Magnitude Comparator.
48#	HBC4046AD	32	1.5M	MOS	10	0.0	0.0	10	2.4m§	-55	125		Δ001AE	COS/MOS Micropower Phase-Locked Loop.
49#	HBC4046AF	32	1.5M	MOS	10	0.0	0.0	10	2.4m§	-55	125		Δ001AE	COS/MOS Micropower Phase-Locked Loop.
50#	HBC4046AK	32	1.5M	MOS	10	0.0	0.0	10	2.4m§	-55	125		Δ004AG	COS/MOS Micropower Phase-Locked Loop.
51#	HBF4046AE	32	1.5M	MOS	10	0.0	0.0	10	2.4m§	-40	85		Δ001AC	COS/MOS Micropower Phase-Locked Loop.
52#	HBF4046AF	32	1.5M	MOS	10	0.0	0.0	10	2.4m§	-40	85		Δ001AE	COS/MOS Micropower Phase-Locked Loop.
53	MC1046P	33		MON	-.85%	1.5*†	5.2	0.0	205m	0	75	K337	M114	Eight Bit Parity Checker and Generator.
54#	GXB10160	33		MON	-.88	-1.7†	5.2	0.0	310m†	0	75	K331	M200n	ECL,12 Bit Parity Checker/Generator.
55	MC10560F	33		MON	-.93%	-1.6*†	5.2	0.0	320m†	-55	125	K331	FP85	12 Bit;tpd 4.0ns†.
56	MC10560L	33		MON	-.93%	-1.6*†	5.2	0.0	320m†	-55	125	K331	M191	12 Bit;tpd 4.0ns†.
57	10160F	33		MON	-.96%	-1.6*†	5.2	0.0	325m†	-30	85	K331	M153e	12-Bit Ckt;tpd 4.0ns typ;tr,tf 2.0ns typ.
58	10170F	33		MON	-.96%	-1.6*†	5.2	0.0	280m†	-30	85	K3315	M153e	9-Bit Parity Ckt w/2 Carry Inputs.
59	MC10160L	33		MON	-.96%	-1.6*†	-5.2	0.0	320m†	-30	85	K331	M191	12 Bit;tpd 5.0ns†;tr and tf 3.3nsΔ.
60	MC10160P	33		MON	-.96%	-1.6*†	5.2	0.0	320m†	-30	85	K331	M278	12 Bit;tpd 5.0ns†;tr and tf 3.3nsΔ.
61▼	MC10170L	33		MON	-.96%	-1.6*†	5.2	0.0	300m	-30	85	K3318	M200aa	9 plus 2-Bit;tpd 6.0ns typ;ECT.
62	SN10160J	33		MON	-.98%	-1.6*	5.2	0.0	317m†	0	85	K3316	M153d	12-Bit Parity Checker/Generator.
63	SN10160N	33		MON	-.98%	-1.6*	5.2	0.0	317m†	0	85	K3316	M117x	12-Bit Parity Checker/Generator.
64▼	SN54LS280J	33		MON	2.0%	.70*	0.0	5.0	68m†	-55	125	K3314	M157b	9 Bit Odd/Even Parity Gen/Checker.
65▼	SN54LS280W	33		MON	2.0%	.70*	0.0	5.0	68m†	-55	125	K3314	FP97a	9 Bit Odd/Even Parity Gen/Checker.
66▼	93S48DC	33		MON	2.0%	.80*	0.0	5.0	400m	0	70	K3320	M356	12-Input;tpd 28ns max.
67▼	93S48DM	33		MON	2.0%	.80*	0.0	5.0	400m	-55	125	K3320	M356	12-Input;tpd 28ns max.
68▼	93S48FM	33		MON	2.0%	.80*	0.0	5.0	400m	-55	125	K3320	FP79b	12-Input;tpd 28ns max.
69▼	93S48PC	33		MON	2.0%	.80*	0.0	5.0	400m	0	70	K3320	M357	12-Input;tpd 28ns max.
70	9348DC	33			2.0%	.80*	0.0	5.0	410m%	0	75	K335	M200	Parity Checker/Generator;tpd 55ns max.
71	9348DM	33			2.0%	.80*	0.0	5.0	410m%	-55	125	K335	M200	Parity Checker/Generator;tpd 53ns max.
72	9348FC	33		MON	2.0%	.80*	0.0	5.0	410m§	0	75	K335	FP47b	Parity Checker/Generator;tpd 55ns max.
73	9348FM	33			2.0%	.80*	0.0	5.0	410m%	-55	125	K335	FP47b	Parity Checker/Generator;tpd 53ns max.
74	DM7220J	33		MON	2.0%	.80*	0.0	5.0	175m%	-55	125	K336	M294b	Fan Out 10;tpd 58ns max.
75	DM7220N	33		MON	2.0%	.80*	0.0	5.0	175m%	-55	125	K336	M344	Fan Out 10;tpd 58ns max.
76	DM7220W	33		MON	2.0%	.80*	0.0	5.0	175m%	-55	125	K336	FP97a	Fan Out 10;tpd 58ns max.
77	DM8220J	33		MON	2.0%	.80*	0.0	5.0	175m%	0	70	K336	M294b	Fan Out 10;tpd 58ns max.
78	DM8220N	33		MON	2.0%	.80*	0.0	5.0	175m%	0	70	K336	M344	Fan Out 10;tpd 58ns max.
79	DM54180J	33		MON	2.0%	.80*	0.0	5.0	180m†	-55	125	K332	M294b	8 Bit Odd/Even;tpd 68ns max.
80	DM54180W	33		MON	2.0%	.80*	0.0	5.0	180m†	-55	125	K332	FP97a	8 Bit Odd/Even;tpd 68ns max.
81	DM74180J	33		MON	2.0%	.80*	0.0	5.0	180m†	0	70	K332	M294b	8 Bit Odd/Even;tpd 68ns max.
82	DM74180N	33		MON	2.0%	.80*	0.0	5.0	180m†	0	70	K332	M344	8 Bit Odd/Even;tpd 68ns max.
83	DM74180W	33		MON	2.0%	.80*	0.0	5.0	180m†	0	70	K332	FP97a	8 Bit Odd/Even;tpd 68ns max.
84#	FLH421-74180	33		MON	2.0%	.80*	0.0	5.0	280m§	0	70	K332	M126p	8 Bit Parity-Generator;tpd 68ns max.
85#	FLH425-84180	33		MON	2.0%	.80*	0.0	5.0	280m§	-25	85	K332	M126p	8 Bit Parity-Generator;tpd 68ns max.
86▼#	GFB74180	33		MON	2.0%	.80*	0.0	5.0	170m	0	70	K332	M105d	8 Bit Parity Checker/Generator.
87#	GTB74S180	33		MON	2.0%	.80*	0.0	5.0	19m†	0	70	K332	M126n	8 bit Parity Checker/Generator.
88#	M53380P	33		MON	2.0%	.80*	0.0	7.0	170m†	0	75	K333	M105j	8 Bit Odd/Even Parity Generator/Checker.
89#	MIC54180J	33		MON	2.0%	.80*	0.0	5.0	170m†	-55	125	K332	TO116	8-bit Parity Checker/Generator.
90#	MIC64180J	33		MON	2.0%	.80*	0.0	5.0	170m†	-40	85	K332	TO116	8-bit Parity Checker/Generator.
91#	MIC74180J	33		MON	2.0%	.80*	0.0	5.0	170m†	0	75	K332	TO116	8 Bit Parity Checker/Generator.
92♦#	MIC74180N	33		MON	2.0%	.80*	0.0	5.0	170m†	0	75	K332	M126x	8 Bit Parity Checker/Generator.
93▼	N82S62A	33		MON	2.0%	.80*	0.0	5.0	335m	0	75	K3319	M516	9 Input Parity Checker/Generator
94▼	N82S62F	33		MON	2.0%	.80*	0.0	5.0	335m	0	75	K3319	M105av	9 Input Parity Checker/Generator
95♦	N74180A	33		MON	2.0%	.80*	0.0	5.0	280m§	0	70	K332	M318	8 Bit Odd/Even Parity Generator/Checker.
96▼	N74180F	33		MON	2.0%	.80*	0.0	5.0	280m§	0	70	K332	M257f	8 Bit Odd/Even Parity Generator/Checker.
97▼	S82S62F	33		MON	2.0%	.80*	0.0	5.0	335m	-55	125	K3319	M105ay	9 Input Parity Checker/Generator
98♦	S54180A	33		MON	2.0%	.80*	0.0	5.0	245m§	-55	125	K332	M318	8 Bit Odd/Even Parity Generator/Checker.
99♦	S54180F	33		MON	2.0%	.80*	0.0	5.0	245m§	-55	125	K332	M257f	8 Bit Odd/Even Parity Generator/Checker.
100	S54180Q	33		MON	2.0%	.80*	0.0	5.0		-55	125	K332	TO88	8 bit Odd/Even Parity Generator/Checker.
101▼	S54180W	33		MON	2.0%	.80*	0.0	5.0	245m§	-55	125	K332	FP39e	8 Bit Odd/Even Parity Generator/Checker.
102#	SFC4180E	33		MON	2.0%	.80*	0.0	5.0		0	70	K332	TO116	8 bit parity Chequer Generator.
103#	SFC4180EM	33		MON	2.0%	.80*	0.0	5.0		-55	125	K332	TO116	8 bit parity Chequer Generator.
104#	SFC4180ET	33		MON	2.0%	.80*	0.0	5.0		-25	85	K332	TO116	8 bit parity Chequer Generator.
105#	SFC4180PM	33		MON	2.0%	.80*	0.0	5.0		-55	85	K332	TO85	8 bit parity Chequer Generator.
106	SN54S280J	33		MON	2.0%	.80*	0.0	5.0	335m%	-55	125	K3314	M157b	9-Bit Odd/Even Parity Gen/Checker.
107	SN54S280W	33		MON	2.0%	.80*	0.0	5.0	335m%	-55	125	K3314	Δ004AA	9-Bit Odd/Even Parity Gen/Checker.
108▼	SN74LS280J	33		MON	2.0%	.80*	0.0	5.0	68m†	0	70	K3314	M157b	9 Bit Odd/Even Parity Gen/Checker.
109▼	SN74LS280N	33		MON	2.0%	.80*	0.0	5.0	68m†	0	70	K3314	M126e	9 Bit Odd/Even Parity Gen/Checker.
110	SN74S280J	33		MON	2.0%	.80*	0.0	5.0	335m%	0	70	K3314	M157b	9-Bit Odd/Even Parity Gen/Checker.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SN74S280N	33		MON	2.0%	.80*	0.0	5.0	335m%	0	70	K3314	M126e	9-Bit Odd/Even Parity Gen/Checker.
2	SN54180J	33		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K332	M157b	8-Bit Parity Checker/Generator.
3	SN54180N	33		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K332	M126	8-Bit Parity Checker/Generator.
4	SN54180W	33		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K332	Δ004AA	8 Bit Parity Checker/Generator.
5	SN74180J	33		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K332	M157b	8-Bit Parity Checker/Generator.
6	SN74180N	33		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K332	M126e	8-Bit Parity Checker/Generator.
7	SN74180W	33		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K332	TO84	8 Bit Parity Checker/Generator.
8#	T167B1	33		MON	2.0%	.80*	0.0	5.0	350m§	0	75	K3310	M126s	9 Bit Parity Generator and Checker.
9#	T167D1	33		MON	2.0%	.80*	0.0	5.0	350m§	0	75	K3310	M294d	9 Bit Parity Generator and Checker.
10#	T74180B1	33		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K3317	M126u	8 Bit Parity Checker/Generator;tpd 68nsmax
11#	T74180D1	33		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K3317	M294	8 Bit Parity Checker/Generator;tpd 68nsmax
12#	T74180D2	33		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K3317	M294	8 Bit Parity Checker/Generator;tpd 68nsmax
13#	TL74180N	33		MON	2.0%	.80*	0.0	5.0	294mt	0	70	K332	M126n	8Bit Parity Checker/Generator;tpd 68ns max
14	TRWM121-02	33		MON	2.0%	.80*	0.0	5.0	357mt	0	75	K3311	TO85	8Bit Parity Generator/Checker.
15	TRWM121-03	33		MON	2.0%	.80*	0.0	5.0	357mt	0	75	K3311	TO116	8Bit Parity Generator/Checker.
16	TRWM123-02	33		MON	2.0%	.80*	0.0	5.0	406mt	-55	125	K3311	TO85	8Bit Parity Generator/Checker.
17	TRWM123-03	33		MON	2.0%	.80*	0.0	5.0	406mt	-55	125	K3311	TO116	8Bit Parity Generator/Checker.
18	US54180A	33		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K332	M126k	8 bit parity checker/Generator
19	US54180J	33		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K332	FP39b	8 Bit Parity Checker/Generator
20	US74180A	33		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K332	M126k	8 Bit Parity Checker/Generator
21	US74180J	33		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K332	FP39b	8 Bit Parity Checker/Generator
22#	ZN54180E	33		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K332	TO116	8 Bit Parity Checker/Generator.
23#	ZN54180J	33		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K332	M257e	8 Bit Parity Checker/Generator.
24#	ZN74180E	33		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K332	TO116	8 Bit Parity Checker/Generator.
25#	ZN74180J	33		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K332	M257e	8 Bit Parity Checker/Generator.
26	MC4308F	33		MON	2.4%	.40t*	0.0	5.0	150mt	-55	125	K338	TO86	8-Bit Parity Tree.
27	MC4308L	33		MON	2.4%	.40*t	0.0	5.0	150mt	-55	125	K338	TO116	8-Bit Parity Tree.
28	MC4310F	33		MON	2.4%	.40*t	0.0	5.0	125mt	-55	125	K339	TO86	Dual 4-Bit Parity Tree.
29	MC4310L	33		MON	2.4%	.40*t	0.0	5.0	125mt	-55	125	K339	TO116	Dual 4-Bit Parity Tree.
30	MC54180L	33		MON	2.4%	.40*t	0.0	5.0	170mt	-55	125	K333	TO116	8-Bit Odd/Even Generator/Checker.
31	MC54408F	33		MON	2.4%	.40*t	0.0	5.0	150mt	-55	125	K338	TO86	8-Bit Parity Tree.
32	MC54408L	33		MON	2.4%	.40*t	0.0	5.0	150mt	-55	125	K338	TO116	8-Bit Parity Tree.
33	MC74180P	33		MON	2.4%	.40*t	0.0	5.0	170mt	0	75	K333	TO116	8-Bit Odd/Even Generator/Checker.
34	MC74408F	33		MON	2.4%	.40*t	0.0	5.0	150mt	0	75	K338	TO86	8-Bit Parity Tree.
35	MC74408L,P%	33		MON	2.4%	.40*t	0.0	5.0	150mt	0	75	K338	TO116	8-Bit Parity Tree.
36	MC83180P	33		MON	2.4%	.40*t	0.0	5.0	170mt	0	75	K333	TO116	8-Bit Odd/Even Generator/Checker.
37	MC93180L	33		MON	2.4%	.40*t	0.0	5.0	170mt	-55	125	K333	TO116	8-Bit Odd/Even Generator/Checker.
38	MC4008F	33		MON	2.5%	.40t*	0.0	5.0	150mt	0	75	K338	TO86	8-Bit Parity Tree.
39	MC4008L,P%	33		MON	2.5%	.40*t	0.0	5.0	150mt	0	75	K338	TO116	8-Bit Parity Tree
40	MC4010F	33		MON	2.5%	.40*t	0.0	5.0	125mt	0	75	K339	TO86	Dual 4-Bit Parity Tree.
41	MC4010L,P%	33		MON	2.5%	.40*t	0.0	5.0	150mt	0	75	K339	TO116	Dual 4-Bit Parity Tree.
42	N8262A	33		MON	2.6%	.40t*	0.0	5.0	370m	0	75	K3310	TO116	9 bit Parity Generator and Checker.
43	N8262F	33		MON	2.6%	.40t*	0.0	5.0	370m	0	75	K3310	M157	9 bit Parity Generator and Checker.
44	N8262Q	33		MON	2.6%	.40t*	0.0	5.0	370m	0	75	K3310	TO88	9 bit Parity Generator and Checker.
45	S8262A	33		MON	2.6%	.40t*	0.0	5.0	370m	-55	125	K3310	TO116	9 bit Parity Generator and Checker.
46	S8262F	33		MON	2.6%	.40t*	0.0	5.0	370m	-55	125	K3310	M157	9 bit Parity Generator and Checker.
47	S8262Q	33		MON	2.6%	.40t*	0.0	5.0	370m	-55	125	K3310	TO88	9 bit Parity Generator and Checker.
48	MC14531AL	33	5.0M%	MOS	4.99%	.01*t	0.0	10	100u%	-55	125	K3312	M191	12-Bit Parity Tree
49	MC14531CL	33	5.0M%	MOS	4.99%	.01*t	0.0	10	1.0m%	-40	85	K3312	M191	12-Bit Parity Tree
50	MC14531CP	33	5.0M%	MOS	4.99%	.01*t	0.0	10	1.0m%	-40	85	K3312	M278	12-Bit Parity Tree
51	5585	33	20MΔ%	PCB	5.0%	.45*	0.0	5.0	350m	0	70	K3313	CB62	Parity Generator
52	FCH291	33			6.0	0.0			110m	0	75	K334	M126c	10 Bit Parity Checker.
53▼	CD40101AD	33		MOS	9.95%	.05*t	0.0	10	200m	-55	125	K3321	Δ001AD	9-Bit Parity Generator Checker.
54▼	CD40101AE	33		MOS	9.95%	.05*t	0.0	10	200m	-55	125	K3321	Δ001AB	9-Bit Parity Generator Checker.
55▼	CD40101AF	33		MOS	9.95%	.05*t	0.0	10	200m	-55	125	K3321	Δ001AB	9-Bit Parity Generator Checker.
56▼	CD40101AK	33		MOS	9.95%	.05*t	0.0	10	200m	-55	125	K3321	Δ004AF	9-Bit Parity Generator Checker.
57▼	CD40101AY	33		MOS	9.95%	.05*t	0.0	10	200m	-55	125	K3321	Δ001AB	9-Bit Parity Generator Checker.
58▼	CD40101BD	33		MOS	15%	.05*t	0.0	15	200m	-55	125	K3321	Δ001AD	9-Bit Parity Generator/Checker.
59▼	CD40101BE	33		MOS	15%	.05*t	0.0	15	200m	-55	125	K3321	Δ001AB	9-Bit Parity Generator/Checker.
60▼	CD40101BF	33		MOS	15%	.05*t	0.0	15	200m	-55	125	K3321	Δ001AB	9-Bit Parity Generator/Checker.
61▼	CD40101BK	33		MOS	15%	.05*t	0.0	15	200m	-55	125	K3321	Δ004AF	9-Bit Parity Generator/Checker.
62▼	CD40101BY	33		MOS	15%	.05*t	0.0	15	200m	-55	125	K3321	Δ001AB	9-Bit Parity Generator/Checker.
63	CD4099BE	34		MOS			0.0	10	200m§	-40	85	K3436	Δ001AC	8 Bit Addressable.
64	MC1040P	34		MON	-.85%	-1.5*t	5.2	0.0	250mt	0	75	K3411	TO116	Quad Latch;Fan Out 25.
65	MC1070P	34		MON	-.85%	-1.5*t	5.2	0.0	200mt	0	75	K3411	TO116	Quad Latch;Fan Out 25.
66	MC1240F	34		MON	-.85%	-1.5*t	5.2	0.0	250mt	-55	125	K3411	TO86	Quad Latch;Fan Out 25.
67	MC1240L	34		MON	-.85%	-1.5*t	5.2	0.0	250mt	-55	125	K3411	TO116	Quad Latch;Fan Out 25.
68	MC1270F	34		MON	-.85%	-1.5*t	5.2	0.0	200mt	-55	125	K3411	TO86	Quad Latch;Fan Out 25.
69	MC1270L	34		MON	-.85%	-1.5*t	5.2	0.0	200mt	-55	125	K3411	TO116	Quad Latch;Fan Out 25.
70#	GXB10130	34		MON	-.88	-1.7	5.2	0.0	110mt	0	75	K342	M200n	D Type w/Latch;tpd 3.0ns typ.
71	MC10530F	34		MON	-.93%	-1.6*t	5.2	0.0	145mt	-55	125	K342	FP85	Dual;tpd 2.5nst.
72	MC10530L	34		MON	-.93%	-1.6*t	5.2	0.0	145mt	-55	125	K342	M191	Dual;tpd 2.5nst.
73	MC10533F	34		MON	-.93%	-1.6*t	5.2	0.0	310mt	-30	85	K346	FP85	Quad;tpd 4.0nst.
74	MC10533L	34		MON	-.93%	-1.6*t	5.2	0.0	310mt	-55	125	K346	M191	Quad;tpd 4.0nst.
75	10133F	34		MON	-.96%	-1.6*t	5.2	0.0	290mt	-30	85	K346	M153e	Quad D-Type w/Gated Outputs.
76	10175F	34		MON	-.96%	-1.6*t	5.2	0.0	400mt	-30	85	K3429	M153e	Qunit;tpd 2.5ns typ;tr and tf 2ns typ.
77	MC10130L	34		MON	-.96%	-1.6*t	5.2	0.0	155mt	-30	75	K342	M191	Clocked Dual D Type.
78	MC10130P	34		MON	-.96%	-1.6*t	5.2	0.0	155mt	-30	75	K342	M278	Clocked Dual D Type.
79	MC10133L	34		MON	-.96%	-1.6*t	5.2	0.0	310mt	-30	85	K346	M191	Quad Latch;ECT;tpd 4.0ns typ.
80	MC10133P	34		MON	-.96%	-1.6*t	5.2	0.0	310mt	-30	85	K346	M278	Quad Latch;ECT;tpd 4.0ns typ.
81	MC10153L	34		MON	-.96%	-1.6*t	5.2	0.0	310mt	-30	85	K346	M191	Quad w/D Type Inputs.
82	MC10168L	34		MON	-.96%	-1.6*t	5.2	0.0	310mt	-30	85	K3425	M191	Quad;tr 2.0ns;tf 2.0ns: Typ.
83	SN10130J	34		MON	-.98%	-1.6*	5.2	0.0	114mt	0	85	K3430	M153d	Dual D-Type Latch.
84	SN10130N	34		MON	-.98%	-1.6*	5.2	0.0	114mt	0	85	K3430	M117x	Dual D-Type Latch.
85	SN10132J	34		MON	-.98%	-1.6*	5.2	0.0	208mt	0	85	K3431	M153d	Dual Latch w/Multiplexed Ins and Com Reset
86	SN10132N	34		MON	-.98%	-1.6*	5.2	0.0	208mt	0	85	K3431	M117x	Dual Latch w/Multiplexed Ins and Com Reset
87	SN10133J	34		MON	-.98%	-1.6*	5.2	0.0	390mt	0	85	K3432	M153d	Quadruple Latch.
88	SN10133N	34		MON	-.98%	-1.6*	5.2	0.0	390mt	0	85	K3432	M117x	Quadruple Latch.
89	SN10134J	34		MON	-.98%	-1.6*	5.2	0.0	161mt	0	85	K3433	M153d	Quad Latch w/Multiplexed Inputs.
90	SN10134N	34		MON	-.98%	-1.6*	5.2	0.0	161mt	0	85	K3433	M117x	Quad Latch w/Multiplexed Inputs.
91	SN10175J	34		MON	-.98%	-1.6*	5.2	0.0	249mt	0	85	K3434	M153d	Quintuple D-Type Latch.
92	SN10175N	34		MON	-.98%	-1.6*	5.2	0.0	249mt	0	85	K3434	M117x	Quintuple D-Type Latch.
93#	MIC9308-1D	34	20M%	MON	1.7%	.90*	0.0	5.0	450m	-55	125	K348		2 ckts;D Type.
94	93L08FC	34	5.0M%	MON	1.8%	.75*	0.0	5.0	175m	0	75	K348	FP66	Low Power;Dual 4-Bit Latch.
95	MC8308F	34		MON	1.8%	.85*	0.0	5.0	325mt	0	75	K3419	FP91	Dual 4-Bit Latch.
96	MC8308L	34		MON	1.8%	.85*	0.0	5.0	325mt	0	75	K3419	M291	Dual 4-Bit Latch.
97	MC8308P	34		MON	1.8%	.85*	0.0	5.0	325mt	0	75	K3419	M237	Dual 4-Bit Latch.
98	MC9308F	34		MON	1.8%	.85*	0.0	5.0	325mt	-55	125	K3419	M191	Dual 4-Bit Latch.
99#	MIC9308-5D	34	20M%	MON	1.8%	.85*	0.0	5.0	450m	0	75	K348		2 ckts;D Type.
100	SW1814M	34		MON	1.9%	1.2*	0.0	8.0	160mt	0	75	K3417a	M105n	D Type;tpd 30ns typ.
101	SW1814P	34		MON	1.9%	1.2*	0.0	8.0	160mt	0	75	K3417a	M114	D Type;tpd 30ns typ.
102	5528	34		PCB	2.0%	.45*	0.0	5.0	530mt	0	70		CB62	6 bit bistable latch;Average tpd 15ns.
103	93L14DC	34		MON	2.0%	.70*	0.0	5.0	50mt	0	75	K349	M224c	4 bit;lo 30mA max;tpd 90ns max.
104	93L14DM	34		MON	2.0%	.70*	0.0	5.0	50mt	-55	125	K349	M224c	4 bit;lo 30mA max;tpd 90ns max.
105	93L14FM	34		MON	2.0%	.70*	0.0	5.0	50mt	-55	125	K349	FP79b	4 bit;lo 30mA max;tpd 90ns max.
106	93L14PC	34		MON	2.0%	.70*	0.0	5.0	50mt	0	75	K349	M357	4 bit;lo 30mA max;tpd 90ns max.
107	SN54LS75J	34		MON	2.0%	.70*	0.0	5.0	60m§	-55	125	K347	M153d	4 Bit Bistable Latch;tpd 19ns max.
108	SN54LS75W	34		MON	2.0%	.70*	0.0	5.0	60m§	-55	125	K347	Δ004AG	4 Bit Bistable Latch;tpd 19ns max.
109	SN54LS77W	34		MON	2.0%	.70*	0.0	5.0	65m§	-55	125	K347a	Δ004AG	4 Bit Bistable Latch;tpd 19ns max.
110▼	SN54LS259J	34		MON	2.0%	.70*	0.0	5.0	198m	-55	125	K3438	M153d	8 Bit Addressable Latch;tpd 34ns max.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	SN54LS259W	34		MON	2.0%	.70*	0.0	5.0	198m	-55	125	K3438	FP98b	8 Bit Addressable Latch;tpd 34ns max.
2	SN54LS279J	34		MON	2.0%	.70*	0.0	5.0	19m†	-55	125	K3428	M153d	Quad S-R Latch;tpd 27ns max.
3	SN54LS279W	34		MON	2.0%	.70*	0.0	5.0	19m†	-55	125	K3428	Δ004AG	Quad S-R Latch;tpd 27ns max.
4	93L08PC	34		MON	2.0%	.80*	0.0	5.0	500m%	0	75	K348	M197a	Dual 4 bit Latch;lo 30mA max;tpd 30ns max
5	9308FC	34		MON	2.0%	.80*	0.0	5.0	500m§	0	75	K348	FP66a	Dual 4-Bit Latch.
6	9308FM	34		MON	2.0%	.80*	0.0	5.0	500m%	-55	125	K348	FP105	Dual 4 bit;lo 30mA max;tpd 30ns max.
7	9308PC	34		MON	2.0%	.80*	0.0	5.0	500m%	0	75	K348	M197a	Dual 4 bit;lo 30mA max;tpd 30ns max.
8	9314DC	34		MON	2.0%	.80*	0.0	5.0	275m%	0	75	K349	M224c	4 bit;lo 30mA max;tpd 25ns max.
9	9314DM	34		MON	2.0%	.80*	0.0	5.0	275m%	-55	125	K349	M224c	4 bit;lo 30mA max;tpd 25ns max.
10	9314FM	34		MON	2.0%	.80*	0.0	5.0	275m%	-55	125	K349	FP79b	4 bit;lo 30mA max;tpd 25ns max.
11	9314PC	34		MON	2.0%	.80*	0.0	5.0	275m%	0	75	K349	M357	4 bit;lo 30mA max;tpd 25ns max.
12	9334DC	34		MON	2.0%	.80*	0.0	5.0	430m§	0	75	K3410	M224c	8 bit Addressable.
13	9334DM	34		MON	2.0%	.80*	0.0	5.0	430m§	-55	125	K3410	M224c	8 bit Addressable.
14	9334FC	34		MON	2.0%	.80*	0.0	5.0	430m§	0	75	K3410	FP79b	8 bit Addressable.
15	9334FM	34		MON	2.0%	.80*	0.0	5.0	430m§	-55	125	K3410	FP79b	8 bit Addressable.
16	9334PC	34		MON	2.0%	.80*	0.0	5.0	430m§	0	75	K3410	M357	8 bit Addressable.
17	9375DC	34		MON	2.0%	.80*	0.0	5.0	265m§	0	70	K347	M200j	D Type;tpd 40nsΔ.
18	9375DM	34		MON	2.0%	.80*	0.0	5.0	265m§	-55	125	K347	M200j	D Type;tpd 40nsΔ.
19	9375FC	34		MON	2.0%	.80*	0.0	5.0	265m§	0	70	K347	FP47b	D Type;tpd 40nsΔ.
20	9375FM	34		MON	2.0%	.80*	0.0	5.0	265m§	-55	125	K347	FP47b	D Type;tpd 40nsΔ.
21	9377FC	34		MON	2.0%	.80*	0.0	5.0	265m§	0	70	K347	FP115	D Type;tpd 40nsΔ.
22	9377FM	34		MON	2.0%	.80*	0.0	5.0	265m§	-55	125	K347	FP115	D Type;tpd 40nsΔ.
23	DM5475J	34		MON	2.0%	.80*	0.0	5.0	250m%	-55	125	K347	M200r	Quad;tpd 30ns max;FO 10 max.
24	DM5475N	34		MON	2.0%	.80*	0.0	5.0	250m%	-55	125	K347	M345	Quad;tpd 30ns max;FO 10 max.
25	DM5475W	34		MON	2.0%	.80*	0.0	5.0	250m%	-55	125	K347	FP88a	Quad;tpd 30ns max;FO 10 max.
26	DM7475J	34		MON	2.0%	.80*	0.0	5.0	250m%	0	70	K347	M200r	Quad;tpd 30ns max;FO 10 max.
27	DM7475N	34		MON	2.0%	.80*	0.0	5.0	250m%	0	70	K347	M345	Quad;tpd 30ns max;FO 10 max.
28	DM7553J	34		MON	2.0%	.80*	0.0	5.0	330m†	-55	125	K3426	M200r	Tri-State 8 bit Latch;tpd 38ns max.
29	DM7553W	34		MON	2.0%	.80*	0.0	5.0	330m†	-55	125	K3426	FP88a	Tri-State 8 bit Latch;tpd 38ns max.
30	DM8334J	34		MON	2.0%	.80*	0.0	5.0	430m%	0	75	K3410	M200r	8 Bit Addressable Latch;tpd 35ns max.
31	DM8334N	34		MON	2.0%	.80*	0.0	5.0	430m%	0	75	K3410	M345	8 Bit Addressable Latch;tpd 35ns max.
32	DM8334W	34		MON	2.0%	.80*	0.0	5.0	430m%	0	75	K3410	FP88b	8 Bit Addressable Latch;tpd 35ns max.
33	DM8553J	34		MON	2.0%	.80*	0.0	5.0	330m†	0	70	K3426	M200r	Tri-State 8 bit Latch;tpd 38ns max.
34	DM8553N	34		MON	2.0%	.80*	0.0	5.0	330m†	0	70	K3426	M345	Tri-State 8 bit Latch;tpd 38ns max.
35	DM8553W	34		MON	2.0%	.80*	0.0	5.0	330m†	0	70	K3426	FP88a	Tri-State 8 bit Latch;tpd 38ns max.
36	DM9334J	34		MON	2.0%	.80*	0.0	5.0	430m%	-55	125	K3410	M200r	8 Bit Addressable Latch;tpd 35ns max.
37	DM9334W	34		MON	2.0%	.80*	0.0	5.0	430m%	-55	125	K3410	FP88b	8 Bit Addressable Latch;tpd 35ns max.
38♦#	FJB9308	34		MON	2.0%	.80*	0.0	5.0		0	70	K3419	M197c	D Type w/Latch;tpd 18ns typ.
39▼#	GFB7475	34		MON	2.0%	.80*	0.0	5.0	160m	0	70	K347	M146e	D Type;Fan Out 10.
40▼#	GFB74116	34		MON	2.0%	.80*	0.0	5.0		0	70	K3419	M197c	D Type w/Latch;tpd 18ns typ.
41	ITT5475J	34		MON	2.0%	.80*	0.0	5.0	160m†	-55	125	K347	M153	D Type;tpd 15ns typ.
42	ITT7475J	34		MON	2.0%	.80*	0.0	5.0	160m†	0	70	K347	M153	D Type;tpd 15ns typ.
43	JANM38510/01501BEA	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3424	M323	4 Bit Bistable Latch;tpd 55ns max.
44	JANM38510/01501BEB	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3424	M323	4 Bit Bistable Latch;tpd 55ns max.
45	JANM38510/01501BFB	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3424	FP117	4 Bit Bistable Latch;tpd 55ns max.
46	JANM38510/01501CEA	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3424	M323	4 Bit Bistable Latch;tpd 55ns max.
47	JANM38510/01501CEB	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3424	M323	4 Bit Bistable Latch;tpd 55ns max.
48	JANM38510/01501CFB	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3424	FP117	4 Bit Bistable Latch;tpd 55ns max.
49	JANM38510/01502BAA	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3435	FP115	4 Bit Bistable Latch;tpd 44ns max.
50	JANM38510/01502BAB	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3435	FP115	4 Bit Bistable Latch;tpd 44ns max.
51	JANM38510/01502BAC	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3435	FP115	4 Bit Bistable Latch;tpd 44ns max.
52	JANM38510/01502BCA	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3435	M314	4 Bit Bistable Latch;tpd 44ns max.
53	JANM38510/01502BCB	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3435	M314	4 Bit Bistable Latch;tpd 44ns max.
54	JANM38510/01502BCC	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3435	M314	4 Bit Bistable Latch;tpd 44ns max.
55	JANM38510/01502BDB	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3435	FP116	4 Bit Bistable Latch;tpd 44ns max.
56	JANM38510/01502CAA	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3435	FP115	4 Bit Bistable Latch;tpd 44ns max.
57	JANM38510/01502CAB	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3435	FP115	4 Bit Bistable Latch;tpd 44ns max.
58	JANM38510/01502CAC	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3435	FP115	4 Bit Bistable Latch;tpd 44ns max.
59	JANM38510/01502CCA	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3435	M314	4 Bit Bistable Latch;tpd 44ns max.
60	JANM38510/01502CCB	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3435	M314	4 Bit Bistable Latch;tpd 44ns max.
61	JANM38510/01502CCC	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3435	M314	4 Bit Bistable Latch;tpd 44ns max.
62	JANM38510/01502CDB	34		MON	2.0%	.80*	0.0	5.5	280m	-55	125	K3435	FP116	4 Bit Bistable Latch;tpd 44ns max.
63#	M53275P	34		MON	2.0%	.80*	0.0	7.0	40m†	0	75	K347	M153b	T Type;Fan Out 20.
64▼#	MIC5475J	34		MON	2.0%	.80*	0.0	5.0	160m†	-55	125	K3424	M153g	4 Bit Bistable Latch;tpd 40ns max.
65▼#	MIC7475J	34		MON	2.0%	.80*	0.0	5.0	160m†	0	75	K3424	M153g	4 Bit Bistable Latch;tpd 40ns max.
66▼#	MIC7475N	34		MON	2.0%	.80*	0.0	5.0	160m†	0	75	K3424	M117ab	4 Bit Bistable Latch;tpd 40ns max.
67▼	N74279B	34		MON	2.0%	.80*	0.0	5.0	150m§	0	70	K3428	M317	Quad S-R;tpd 27nsΔ;FO 20 max.
68▼	N74279F	34		MON	2.0%	.80*	0.0	5.0	150m§	0	70	K3428	M200v	Quad S-R;tpd 27nsΔ;FO 20 max.
69▼	N74279W	34		MON	2.0%	.80*	0.0	5.0	150m§	0	70	K3428	FP47g	Quad S-R;tpd 27nsΔ;FO 20 max.
70	NC7475N	34		MON	2.0%	.80*	0.0	7.0	160m†	0	70	K347	M117	T Type;Fan Out 20.
71	S5477Q	34		MON	2.0%	.80*	0.0	5.0		-55	125	K3422	TO88	Quad Bistable Latch.
72▼	S54279B	34		MON	2.0%	.80*	0.0	5.0	150m§	-55	125	K3428	M317	Quad S-R;tpd 27nsΔ;FO 20 max.
73▼	S54279F	34		MON	2.0%	.80*	0.0	5.0	150m§	-55	125	K3428	M200v	Quad S-R;tpd 27nsΔ;FO 20 max.
74▼	S54279W	34		MON	2.0%	.80*	0.0	5.0	150m§	-55	125	K3428	FP47g	Quad S-R;tpd 27nsΔ;FO 20 max.
75	SFC475E	34		MON	2.0%	.80*	0.0	5.25	160mΔ	0	70	K347	TO116	T Type;Fan Out 10.
76#	SFC475EM	34		MON	2.0%	.80*	0.0	5.5	160mΔ	-55	125	K347	TO116	T Type;Fan Out 10.
77#	SFC475ET	34		MON	2.0%	.80*	0.0	5.25	160mΔ	-25	85	K347	TO116	T Type;Fan Out 10.
78#	SFC475EV	34		MON	2.0%	.80*	0.0	5.25	160mΔ	-25	85	K347	TO116	T Type;Fan Out 10.
79	SN54L75J	34		MON	2.0%	.80*	0.0	5.0	115m§	-55	125	K347	M153d	4 Bit Bistable Latch;tpd 80ns max.
80	SN54L77T	34		MON	2.0%	.80*	0.0	5.0	115m§	-55	125	K347a	FP52e	4 Bit Bistable Latch;tpd 80ns max.
81▼	SN54S412J	34		MON	2.0%§	.80*	0.0	5.0	410m†	-55	125	K3439		Multi Mode Latch Buffer.
82▼	SN54S412W	34		MON	2.0%§	.80*	0.0	5.0	410m†	-55	125	K3439		Multi Mode Latch Buffer.
83	SN74L75J	34		MON	2.0%	.80*	0.0	5.0	135m§	0	70	K347	M153d	4 Bit Bistable Latch;tpd 80ns max.
84	SN74L75N	34		MON	2.0%	.80*	0.0	5.0	135m§	0	70	K347	M117x	4 Bit Bistable Latch;tpd 80ns max.
85	SN74LS75J	34		MON	2.0%	.80*	0.0	5.0	60m§	0	70	K347	M153d	4 Bit Bistable Latch;tpd 19ns max.
86	SN74LS75N	34		MON	2.0%	.80*	0.0	5.0	60m§	0	70	K347	M117x	4 Bit Bistable Latch;tpd 19ns max.
87▼	SN74LS259J	34		MON	2.0%	.80*	0.0	5.0	198m	0	70	K3438	M153d	8 Bit Addressable Latch;tpd 34ns max.
88▼	SN74LS259N	34		MON	2.0%	.80*	0.0	5.0	198m	0	70	K3438	M117x	8 Bit Addressable Latch;tpd 34ns max.
89	SN74LS279J	34		MON	2.0%	.80*	0.0	5.0	19m†	0	70	K3428	M153d	Quad S-R Latch;tpd 27ns max.
90	SN74LS279N	34		MON	2.0%	.80*	0.0	5.0	19m†	0	70	K3428	M117x	Quad S-R Latch;tpd 27ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	SN74S412J	34		MON	2.0%§	.80*	0.0	5.0	650m	0	70	K3439		Multi Mode Latch Buffer.
2▼	SN74S412N	34		MON	2.0%§	.80*	0.0	5.0	650m	0	70	K3439		Multi Mode Latch Buffer.
3	SN5475J	34		MON	2.0%	.80*	0.0	5.0	230m§	-55	125	K347	M153d	4 Bit Bistable Latch;tpd 40ns max.
4	SN5475N	34		MON	2.0%	.80*	0.0	5.0	160m†	-55	125	K347	M117	T Type;tpd 15ns typ.
5	SN5475W	34		MON	2.0%	.80*	0.0	5.0	230m§	-55	125	K347	Δ004AG	4 Bit Bistable Latch;tpd 40ns max.
6	SN5477W	34		MON	2.0%	.80*	0.0	5.0	230m§	-55	125	K347a	Δ004AA	4 Bit Bistable Latch;tpd 40ns max.
7#	SN6475N	34		MON	2.0%	.80*	0.0	7.0	160m†	-40	85	K347	M117	T Type;Fan Out 20.
8	SN7475J	34		MON	2.0%	.80*	0.0	5.0	265m§	0	70	K347	M153d	4 Bit Bistable Latch;tpd 40ns max.
9	SN7475N	34		MON	2.0%	.80*	0.0	5.0	265m§	0	70	K347	M117x	4 Bit Bistable Latch;tpd 40ns max.
10	SN7477W	34		MON	2.0%	.80*		5.0	160m†	0	70	K347	TO84	4 ckts;tpd 15ns typ.
11	SN29308J	34		MON	2.0%	.80*	0.0	5.0	300m%	0	75	K3423	Δ015AA	Dual 4-Bit w/Clear;tpd 30ns max.
12	SN29308N	34		MON	2.0%	.80*	0.0	5.0	300m%	0	75	K3423	M186	Dual 4-Bit w/Clear;tpd 30ns max.
13	SN39308J	34		MON	2.0%	.80*	0.0	5.0	300m%	-55	125	K3423	Δ015AA	Dual 4-Bit w/Clear;tpd 30ns max.
14	SN54100J	34		MON	2.0%	.80*	0.0	5.0	320m†	-55	125	K347	Δ015AA	8-Bit Bistable;tpd 30ns max.
15	SN54100W	34		MON	2.0%	.80*	0.0	5.0	320m†	-55	125	K347	Δ019AA	8-Bit Bistable;tpd 30ns max.
16	SN54116J	34		MON	2.0%	.80*	0.0	5.0	200m†	-55	125	K3423	Δ015AA	4-Bit w/Clear;tpd 30ns max.
17	SN54116W	34		MON	2.0%	.80*	0.0	5.0	200m†	-55	125	K3423	Δ019AA	4-Bit w/Clear;tpd 30ns max.
18	SN74100J	34		MON	2.0%	.80*	0.0	5.0	320m†	0	70	K347	Δ015AA	8-Bit Bistable;tpd 30ns max.
19	SN74100N	34		MON	2.0%	.80*	0.0	5.0	320m†	0	70	K347	M186	8-Bit Bistable;tpd 30ns max.
20	SN74116J	34		MON	2.0%	.80*	0.0	5.0	200m†	0	70	K3423	Δ015AA	4-Bit w/Clear;tpd 30ns max.
21	SN74116N	34		MON	2.0%	.80*	0.0	5.0	200m†	0	70	K3423	M186	4-Bit w/Clear;tpd 30ns max.
22	SW7475J	34		MON	2.0%	.80*		5.25	160m	0	70	K347	M153b	4 ckts;tpd 40nsΔ.
23	SW7475N	34		MON	2.0%	.80*		5.25	160m	0	70	K347	M117	4 ckts;tpd 40nsΔ.
24	SW74100J	34		MON	2.0%	.80*		5.0	320m†	0	70	K347	M197	8 ckts;tpd 15ns typ.
25	SW74100N	34		MON	2.0%	.80*		5.0	320m†	0	70	K347	M197	8 ckts;tpd 15ns typ.
26#	T173B1	34		MON	2.0%	.80*	0.0	5.0	300m†	0	75	K3427	M267c	Quad Bistable Latch;tpd 35ns max.
27#	T7475B1	34		MON	2.0%	.80*	0.0	5.0	265m§	0	70	K3424	M267	4 Bit Bistable Latch;tpd 40ns max.
28#	T7475D1	34		MON	2.0%	.80*	0.0	5.0	265m§	0	70	K3424	M200m	4 Bit Bistable Latch;tpd 40ns max.
29#	T7475D2	34		MON	2.0%	.80*	0.0	5.0	265m§	-55	125	K3424	M200m	4 Bit Bistable Latch;tpd 40ns max.
30	TRW7475	34		MON	2.0%	.80*		7.0	160m	0	70	K347		4 ckts;Fan Out 20.
31	US5475A	34		MON	2.0%	.80*		5.0	160m†	-55	125	K347	M117g	4 ckts;Fan Out 10.
32	US5477J	34		MON	2.0%	.80*		5.0	160m†	-55	125	K347a	TO88	4 ckts;tpd 15ns typ.
33	US7475A	34		MON	2.0%	.80*		5.0	160m†	0	70	K347	M117g	4 ckts;Fan Out 10.
34	US7477J	34		MON	2.0%	.80*		5.0	160m†	0	70	K347a	TO88	4 ckts;tpd 15ns typ.
35	93L08DC	34	5.0M%	MON	2.0%	.80*	0.0	5.0	500m%	0	75	K348	M246	Dual 4 bit Latch;lo 30mA max;tpd 30ns max
36	93L08DM	34	7.0M%	MON	2.0%	.80*	0.0	5.0	500m%	-55	125	K348	M246	Dual 4 bit Latch;lo 30mA max;tpd 30ns max
37	93L08FM	34	7.0M%	MON	2.0%	.80*	0.0	5.0	500m%	-55	125	K348	FP105	Dual 4 bit Latch;lo 30mA max;tpd 30ns max
38	9308DC	34	20M%	MON	2.0%	.80*	0.0	5.0	500m%	0	75	K348	M246	Dual 4 bit;lo 30mA max;tpd 30ns max.
39	9308DM	34	20M%	MON	2.0%	.80*	0.0	5.0	500m%	-55	125	K348	M246	Dual 4 bit;lo 30mA max;tpd 30ns max.
40	C3404	34			2.0%	.85*	0.0	5.0	375m§	-65	125	K3437	M207a	High Speed 6 Bit Latch,Delay 12ns max.
41	D3404	34			2.0%	.85*	0.0	5.0	375m§	-65	125	K3437	M146f	High Speed 6 Bit Latch,Delay 12ns max.
42	P3404	34			2.0%	.85*	0.0	5.0	375m§	-65	125	K3437	M146g	High Speed 6 Bit Latch,Delay 12ns max.
43	HEPC3075P-RT	34		MON	2.4%	.40*†	0.0	5.0	160m†				M154	Quad Latch;TTL;TO 10;tpd 30ns typ.
44	MC5475L	34		MON	2.4%	.40*†	0.0	5.0	160m†	-55	125	K3418	M191	Quad Latch.
45	MC5477F	34		MON	2.4%	.40*†	0.0	5.0	160m†	-55	125	K3418	TO86	Quad Latch.
46	MC7475L	34		MON	2.4%	.40*†	0.0	5.0	160m†	0	75	K3418	M191	Quad Latch.
47	MC7475P	34		MON	2.4%	.40*†	0.0	5.0	160m†	0	75	K3418	M278	Quad Latch.
48	MC7477F	34		MON	2.4%	.40*†	0.0	5.0	160m†	0	75	K3418	TO86	Quad Latch.
49	MC8314F	34		MON	2.4%	.40*†	0.0	5.0	200m†	0	75	K3420	FP85	Quad Latch;FO 10;tpd 32ns max.
50	MC8314L	34		MON	2.4%	.40*†	0.0	5.0	200m†	0	75	K3420	M191	Quad Latch;FO 10;tpd 32ns max.
51	MC8314P	34		MON	2.4%	.40*†	0.0	5.0	200m†	0	75	K3420	M278	Quad Latch;FO 10;tpd 32ns max.
52	MC8375L	34		MON	2.4%	.40*†	0.0	5.0	160m†	0	70	K3418	M191	Quad Latch.
53	MC8375P	34		MON	2.4%	.40*†	0.0	5.0	160m†	0	70	K3418	M278	Quad Latch.
54	MC8377F	34		MON	2.4%	.40*†	0.0	5.0	160m†	0	70	K3418	TO86	Quad Latch.
55	MC9308L	34		MON	2.4%	.40*†	0.0	5.0	325m†	-55	125	K3419	M237	Dual 4-Bit Latch;TTL.
56	MC9314F	34		MON	2.4%	.40*†	0.0	5.0	200m†	-55	125	K3420	FP85	Quad Latch;FO 10;tpd 28ns max.
57	MC9314L	34		MON	2.4%	.40*†	0.0	5.0	200m†	-55	125	K3420	M191	Quad Latch;FO 10;tpd 28ns max.
58	MC9375L	34		MON	2.4%	.40*†	0.0	5.0	160m†	-55	125	K3418	M191	Quad Latch.
59	MC9377F	34		MON	2.4%	.40*†	0.0	5.0	160m†	-55	125	K3418	TO86	Quad Latch.
60	MC1913L	34		MON	2.6%	.40*†	0.0	5.0	220m†	-55	125	K341	M191	Quad Latch;Fan Out7;tpd 35ns typ.
61	MC1914F	34		MON	2.6%	.40*†	0.0	5.0	220m†	-55	125	K3417a	TO86	Quad Latch;Fan Out7;tpd 35ns typ.
62	MC1914L	34		MON	2.6%	.40*†	0.0	5.0	220m†	-55	125	K3417a	TO116	Quad Latch;Fan Out7,tpd 35ns typ.
63	MC1814F	34		MON	2.6%	.45*†	0.0	5.0	220m†	0	75	K3417a	TO86	Quad Latch;Fan Out7;tpd 35ns typ.
64	MC1814L,P%	34		MON	2.6%	.45*†	0.0	5.0	220m†	0	75	K3417a	TO116	Quad Latch;Fan Out7;tpd 35ns typ.
65	SW1813M	34		MON	2.6%	.45*†	0.0	5.0	220m†	0	75	K341	M105n	DTL Quad Latch.
66	MC767AP	34		MON	2.6%	.50*†	0.0	3.6	110m†	15	55	K3416	TO116	Quad Latch;FO 9;RTL;tpd 50ns typ.
67	MC767P	34		MON	2.6%	.50*†	0.0	3.6	110m†	15	55	K3416	TO116	Quad Latch;FO 9;RTL;tpd 50ns typ.
68	MC867AP	34		MON	2.6%	.50*†	0.0	3.6	110m†	0	75	K3416	TO116	Quad Latch;FO 9;RTL;tpd 50ns typ.
69	MC867P	34		MON	2.6%	.50*†	0.0	3.6	110m†	0	75	K3416	TO116	Quad Latch;FO 9;RTL;tpd 50ns typ.
70	MM14511AD	34		MOS	4.57	0.0†	0.0	5.0	500m	-55	125		M346a	BCD-to-7 Segment Latch/Decoder/Driver.
71	MM14511CN	34		MOS	4.57	0.0†	0.0	5.0	500m	-40	85		M345	BCD-to-7 Segment Latch/Decoder/Driver.
72	MC14508AL	34		MOS	9.9%§	.01*†	0.0	10	100u	-55	125	K344	M292	Dual 4-Bit Latch.
73	MC14508CL	34		MOS	9.9%§	.01*†	0.0	10	1.0m	-40	85	K344	M292	Dual 4-Bit Latch.
74	MC14508CP	34		MOS	9.9%	.01*†	0.0	10	1.0m	-40	85	K344		Dual 4-Bit Latch.
75	HD1-4043A2	34		MOS	9.99%§	.01*†	0.0	10	20u%	-55	125	K3413	M200q	Quad 3 State NOR R/S Latch.
76	HD1-4043A9	34		MOS	9.99%§	.01*†	0.0	10	200u%	-40	85	K3413	M200q	Quad 3 State NOR R/S Latch.
77	HD1-4044A2	34		MOS	9.99%§	.01*†	0.0	10	20u%	-55	125	K3414	M200q	Quad 3 State NAND R/S Latch.
78	HD1-4044A9	34		MOS	9.99%§	.01*†	0.0	10	200u%	-40	85	K3414	M200q	Quad 3 State NAND R/S Latch.
79	HD9-4043A2	34		MOS	9.99%§	.01*†	0.0	10	20u%	-55	125	K3413	FP103	Quad 3 State NOR R/S Latch.
80	HD9-4043A9	34		MOS	9.99%§	.01*†	0.0	10	200u%	-40	85	K3413	FP103	Quad 3 State NOR R/S Latch.
81	HD9-4044A2	34		MOS	9.99%§	.01*†	0.0	10	20u%	-55	125	K3414	FP103	Quad 3 State NAND R/S Latch.
82	HD9-4044A9	34		MOS	9.99%§	.01*†	0.0	10	200u%	-40	85	K3414	FP103	Quad 3 State NAND R/S Latch.
83	MC14042AL	34		MOS	9.99%	.01*†	0.0	10	50u	-55	125	K345	M191	Quad;tpd 40ns typ.
84	MC14042CL	34		MOS	9.99%	.01*†	0.0	10	50u	-40	85	K345	M191	Quad;tpd 40ns typ.
85	MC14042CP	34		MOS	9.99%	.01*†	0.0	10	50u	-40	85	K345	M278	Quad;tpd 40ns typ.
86	SCL4043AC	34		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K3414	M475d	R-S Flip-Flop w/Latch.
87	SCL4043AD	34		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K3414	M475e	R-S Flip-Flop w/Latch.
88	SCL4043AE	34		MOS	9.99%	.01*†	0.0	10	20u%	-40	85	K3414	M475f	R-S Flip-Flop w/Latch.
89	SCL4043AF	34		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K3414	FP111	R-S Flip-Flop w/Latch.
90	SCL4043AH	34		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K3414	FC☑	R-S Flip-Flop w/Latch.
91	SCL4044AC	34		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K3413	M475d	R-S Flip-Flop w/Latch.
92	SCL4044AD	34		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K3413	M475e	R-S Flip-Flop w/Latch.
93	SCL4044AE	34		MOS	9.99%	.01*†	0.0	10	20u%	-40	85	K3413	M475f	R-S Flip-Flop w/Latch.
94	SCL4044AF	34		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K3413	FP111	R-S Flip-Flop w/Latch.
95	SCL4044AH	34		MOS	9.99%	.01*†	0.0	10	20u%	-55	125	K3413	FC☑	R-S Flip-Flop w/Latch.
96	9528DC	34	150M%	MON	-1.1	-1.4	5.2	0.0	440mΔ	0	75	K342	M200b	D Type;tpd 3.6ns typ.
97	CD4043AD	34		MON	10	0.0†	0.0	10	20u%	-55	125	K3413	Δ002AE	COS/MOS Quad 3 State R/S Latch.
98	CD4043AE	34		MON	10	0.0†	0.0	10	200u%	-40	85	K3413	Δ001AC	COS/MOS Quad 3 State R/S Latch.
99	CD4043AK	34		MON	10	0.0†	0.0	10	20u%	-55	125	K3413	Δ004AG	COS/MOS Quad 3 State R/S Latch.
100	CD4044AD	34		MON	10	0.0†	0.0	10	20u%	-55	125	K3414	Δ002AE	COS/MOS Quad 3 State R/S Latch.
101	CD4044AE	34		MON	10	0.0†	0.0	10	200u%	-40	85	K3414	Δ001AC	COS/MOS Quad 3 State R/S Latch.
102	CD4044AK	34		MON	10	0.0†	0.0	10	20u%	-55	125	K3414	Δ004AG	COS/MOS Quad 3 State R/S Latch.
103	HEPC0907P-RT	34		MON	12.5%	1.5*†	0.0	15	375m†	-30	75	K3415	M154	Quad Latch;FO 10;tpd 300ns max.
104	MC682L	34		MON	12.5%	1.5*†	0.0	15	375m†	-30	75	K3415	M191	Quad Latch; Fan Out 10.
105	MC682P	34		MON	12.5%	1.5*†	0.0	15	375m†	-30	75	K3415	M278	Quad Latch;Fan Out 10.
106▼	MC14419L	35		MOS			0.0	5.0	75m%	-40	85	K3518	M200aa	CMS;2-of-8 Keypad-to-Binary Encoder.
107▼	MC14419P	35		MOS			0.0	5.0	75m%	-40	85	K3518	M278	CMS;2-of-8 Keypad-to-Binary Encoder.
108▼	SN54147J	35		MON			0.0	5.0	225m†	-55	125		M153d	10 Line to 4 Line Priority Encoder.
109▼	SN54147W	35		MON			0.0	5.0	225m†	-55	125		Δ004AG	10 Line to 4 Line Priority Encoder.
110▼	SN74147J	35		MON			0.0	5.0	225m†	0	70		M153d	10 Line to 4 Line Priority Encoder.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	SN74147N	35		MON			0.0	5.0	225m†	0	70		M117x	10 Line to 4 Line Priority Encoder.
2	MC4032F	35				.30*†	0.0	5.0	20m†	0	75	K355	TO86	Carry Decoder.
3	MC4032L,P%	35				.30*†	0.0	5.0	20m†	0	75	K355	TO116	Carry Decoder.
4	MC4332F	35				.30*†	0.0	5.0	20m†	-55	125	K355	TO86	Carry Decoder.
5	MC4332L	35				.30*†	0.0	5.0	20m†	-55	125	K355	TO116	Carry Decoder.
6	10165F	35		MON	-.96%	-1.6*†	5.2	0.0	545m†	-30	85	K3513	M153e	8 Line to 3 Line Priority Encoder.
7	MC10165L	35		MON	-.96%	-1.6*†	5.2	0.0	545m†	-30	85	K351	M191	8-Input Priority Encoder.
8	MC10165P	35		MON	-.96%	-1.6*†	5.2	0.0	545m†	-30	85	K351	M278	8 Bit Priority Encoder.
9	T513	35		PCB	1.7	.90	0.0	5.0	750m	0	70		CB☑	Eight Input Priority Encoder.
10	93L18DC	35			2.0%	.70*	0.0	5.0	75m†	0	75	K352	M224c	8 Input Priority Encoder;tpd 72ns max.
11	93L18DM	35			2.0%	.70*	0.0	5.0	75m†	-55	125	K352	M224c	8 Input Priority Encoder;tpd 72ns max.
12	93L18FM	35			2.0%	.70*	0.0	5.0	75m†	-55	125	K352	FP79b	8 Input Priority Encoder;tpd 72ns max.
13	93L18PC	35		MON	2.0%	.70*	0.0	5.0	75m†	0	75	K352	M357	8 Input Priority Encoder;tpd 72ns max.
14	9318DC	35		MON	2.0%	.80*	0.0	5.0	385m%	0	75	K352	M224c	8 Input Priority Encoder;tpd 32ns max.
15	9318DM	35		MON	2.0%	.80*	0.0	5.0	385m%	-55	125	K352	M224c	8 Input Priority Encoder;tpd 32ns max.
16	9318FM	35		MON	2.0%	.80*	0.0	5.0	385m%	-55	125	K352	FP79b	8 Input Priority Encoder;tpd 32ns max.
17	9318PC	35		MON	2.0%	.80*	0.0	5.0	385m%	0	75	K352	M357	8 Input Priority Encoder;tpd 32ns max.
18▼	N74147B	35		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K3519	M317	10 to 4 Line Priority Encoder;tpd 21ns max
19▼	N74147F	35		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K3519	M200v	10 to 4 Line Priority Encoder;tpd 21ns max
20▼	N74147W	35		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K3519	FP47g	10 to 4 Line Priority Encoder;tpd 21ns max
21▼	N74148B	35		MON	2.0%	.80*	0.0	5.0	300m§	0	70	K358	M317	10 to 4 Line Priority Encoder;tpd 21ns max
22▼	N74148F	35		MON	2.0%	.80*	0.0	5.0	300m§	0	70	K358	M200v	10 to 4 Line Priority Encoder;tpd 21ns max
23▼	N74148W	35		MON	2.0%	.80*	0.0	5.0	300m§	0	70	K358	FP47g	10 to 4 Line Priority Encoder;tpd 21ns max
24▼	S54147B	35		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K3519	M317	8 to 3 Line Priority Encoder;tpd 21ns max.
25▼	S54147F	35		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K3519	M200v	8 to 3 Line Priority Encoder;tpd 21ns max.
26▼	S54147W	35		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K3519	FP47g	8 to 3 Line Priority Encoder;tpd 21ns max.
27▼	S54148B	35		MON	2.0%	.80*	0.0	5.0	300m§	-55	125	K358	M317	8 to 3 Line Priority Encoder;tpd 21ns max.
28▼	S54148F	35		MON	2.0%	.80*	0.0	5.0	300m§	-55	125	K358	M200v	8 to 3 Line Priority Encoder;tpd 21ns max.
29▼	S54148W	35		MON	2.0%	.80*	0.0	5.0	300m§	-55	125	K358	FP47g	8 to 3 Line Priority Encoder;tpd 21ns max.
30	SN29318J	35		MON	2.0%	.80*	0.0	5.0	200m%	0	75	K358	M153d	8-Line-to-3-Line Priority Encoders.
31	SN29318N	35		MON	2.0%	.80*	0.0	5.0	200m%	0	75	K358	M117x	8-Line-to-3-Line Priority Encoders.
32	SN39318J	35		MON	2.0%	.80*	0.0	5.0	200m%	-55	125	K358	M153d	8-Line-to-3-Line Priority Encoders.
33	SN54159J	35		MON	2.0%	.80*	0.0	5.0	170m%	-55	125	K359	Δ015AA	4-to-16-Line Decoders/Demultiplexers.
34	SN54159W	35		MON	2.0%	.80*	0.0	5.0	170m%	-55	125	K359	Δ019AA	4-to-16-Line Decoders/Demultiplexers.
35	SN74159J	35		MON	2.0%	.80*	0.0	5.0	170m%	0	70	K359	Δ015AA	4-to-16-Line Decoders/Demultiplexers.
36	SN74159N	35		MON	2.0%	.80*	0.0	5.0	170m%	0	70	K359	M186	4-to-16-Line Decoders/Demultiplexers.
37	5320	35	1.0M	PCB	2.0%	.80*	0.0	5.0	725m	0	70		M263	Decoder Driver with Quad Latch Memory.
38	5330	35	1.0M	PCB	2.0%	.80*	0.0	5.0	715m	0	70		M263	Decoder Driver with Decade Counter.
39	5340	35	1.0M	PCB	2.0%	.80*	0.0	5.0	980m	0	70		M263	Decoder Driver with Decade Counter and Mem
40	5350	35	1.0M	MON	2.0%	.80*	0.0	5.0	475m	0	70		M264	Hexadecimal Decoder Driver.
41	5360	35	1.0M	MOH	2.0%	.80*	0.0	5.0	1.5	0	70		M261	Alpha Numeric Decoder Driver.
42	5925-1	35	1.0M	PCB	2.0%	.80*	0.0	5.0	725m	0	70		M262	Decoder Driver with Quad Latch Memory.
43	5950-1	35	1.0M	PCB	2.0%	.80*	0.0	5.0	715m	0	70		M262	Decoder Driver with Decade Counter.
44	5955-1	35	1.0M	PCB	2.0%	.80*	0.0	5.0	980m	0	70		M262	Decoder Driver with Decade Counter and Mem
45	MC8318F	35		MON	2.4%	.40*†	0.0	5.0	225m†	0	75	K356	FP85	8-Input Priority Encoder.
46	MC8318L	35		MON	2.4%	.40*†	0.0	5.0	225m†	0	75	K356	M191	8-Input Priority Encoder.
47	MC8318P	35		MON	2.4%	.40*†	0.0	5.0	225m†	0	75	K356	M278	8-Input Priority Encoder.
48	MC9318F	35		MON	2.4%	.40*†	0.0	5.0	225m†	-55	125	K356	FP85	8-Input Priority Encoder.
49	MC9318L	35		MON	2.4%	.40*†	0.0	5.0	225m†	-55	125	K356	M191	8-Input Priority Encoder.
50	RL3200K	35		MON	2.6%	.40*†	0.0	5.25	187m	-55	125		FP21b	24 Bit Carry Decoder;use with RL3100.
51	RL3202K	35		MON	2.6%	.40*†	0.0	5.25	210m	0	75		FP21b	24 Bit Carry Decoder;use with RL3102.
52	RL40D	35		MON	3.5	.20†	0	5	20m	-55	125		M105m	Carry Decoder;use W/RL20 † RL30.
53	RL40K	35		MON	3.5	.20†	0	5	20m	-55	125		FP21b	Carry Decoder;use W/RL20 † RL30.
54	RL41D	35		MON	3.5	.20†	0	5	20m	-55	125		M105m	Carry Decoder;use W/RL20 † RL30.
55	RL41K	35		MON	3.5	.20†	0	5	20m	-55	125		FP21b	Carry Decoder;use W/RL20 † RL30.
56	RL42D	35		MON	3.5	.20†	0	5	20m	0	75		M105m	Carry Decoder;use W/RL20 † RL30.
57	RL42K	35		MON	3.5	.20†	0	5	20m	0	75		FP21b	Carry Decoder;use W/RL20 † RL30.
58	RL43D	35		MON	3.5	.20†	0	5	20m	0	75		M105m	Carry Decoder;use W/RL20 † RL30.
59	RL43K	35		MON	3.5	.20†	0	5	20m	0	75		FP21b	Carry Decoder;use W/RL20 † RL30.
60	MM54C154D	35		MOS	3.5%	1.5*	0.0	5.0	500m	-55	125	K3516	M400	4-to-16 Line Decoder/Demultiplexer.
61	DV610	35	200kΔ	3DM	4.5%	1.0*	15	15	225m%	0	70	K3510	M467	Encoder;0 to -10V;Lin ±0.01%.
62	DV611	35	200kΔ	3DM	4.5	1.0*	15	15	225m%	0	70	K3511	M468	Decoder;0 to -10V;Lin ±0.01%.
63▼	MC14410L	35	1.0MΔ%	MOS	4.99%	.01*†	0.0	5.0	5.5 %	-40	85	K3517	M200aa	CMS;2-of-8 Tone Encoder.
64▼	MC14410P	35	1.0MΔ%	MOS	4.99%	.01*†	0.0	5.0	5.5 %	-40	85	K3517	M278	CMS;2-of-8 Tone Encoder.
65	MC14532AL	35		MOS	9.99%	.01*†	0.0	10	10u%	-55	125	K357	M191	8-Bit Priority Encoder.
66	MC14532CL	35		MOS	9.99%	.01*†	0.0	10	100u%	-40	85	K357	M191	8-Bit Priority Encoder.
67	MC14532CP	35		MOS	9.99%	.01*†	0.0	10	100u%	-40	85	K357	M278	8-Bit Priority Encoder.
68	CD4532BD	35		MOS	10	0.0†	0.0	10	200m§	-55	125	K3514	Δ001AE	CMS 8 Bit Priority Encoder.
69	CD4532BE	35		MOS	10	0.0†	0.0	10	200m§	-40	85	K3514	Δ001AC	CMS 8 Bit Priority Encoder.
70	CD4532BF	35		MOS	10	0.0†	0.0	10	200m§	-55	125	K3514	Δ001AC	CMS 8 Bit Priority Encoder.
71	CD4532BK	35		MOS	10	0.0†	0.0	10	200m§	-55	125	K3514	Δ004AG	CMS 8 Bit Priority Encoder.
72	750	36		3DM			15	15	900m%	0	70	K366	M234	Peak Detector/Sample Hold.
73▼	755	36		3DM			15	15	2.4	0	70	K366	M234	Peak Detector/Sample Hold.
74	4034-25	36		MON			15	15	750m%	-40	85		M303a	Sample-Hold Modules.
75	6472	36		PCB			15	15	900m†	0	70	K364	CB62	Sample and Hold.
76▼	IH5110CDE	36		MOS			15	15	500m	-25	85	K3635	M330	CMS;Acquisition Time 5us typ.
77▼	IH5110MDE	36		MOS			15	15	500m	-55	125	K3635	M330	CMS;Acquisition Time 5us typ.
78▼	IH5111CDE	36		MOS			15	15	500m	-25	85	K3635	M330	CMS;Acquisition Time 5us typ.
79▼	IH5111MDE	36		MOS			15	15	500m	-55	125	K3635	M330	CMS;Acquisition Time 5us typ.
80	MSSH01	36		3DM			15	15	900m%	-55	85		M176	Sample-and-hold mudule;Acc.01%.
81	MSSH02	36		3DM			15	15	900m%	-55	85		M176	Sample-and-hold module;Acc.02%.
82	MSSH05	36		3DM			15	15	900m%	-55	85		M176	Sample-and-hold module;Acc.05%.
83	SHMCMI	36		3DM			15	15	75m	0	70	K3623	M494	Inverting Sample-Hold;Acq Time 150us max.
84	ZD451	36		PCB			15	15	210m%	0	70	K365	M300	Sample/hold Amp,diff. input;Freq. 20kHz.
85	ZD452	36		PCB			15	15	450m%	0	70	K365	M300	Sample/hold Amp,diff. input;Freq. 600kHz.
86	ZD453	36		PCB			15	15	450m	0	70			Sample/hold Amp,diff.input;Freq. 20kHz.
87	5886	36	10kØ	MOH			15	15	210m%	-55	85		M258a	Sample-Hold;Voffset ± 30mV.
88	ADH051	36	1.0M				15	15		-55	85		M486	Track and Hold;Acq Time 600ns.
89	MSH1	36	2.0M%	PCB			15	15		-15	55		CB37c	Sample and Hold Amplifier.
90	5893	36	5.0M	MOH			15	15	540m%	-55	85		M258a	Peak Sense-Hold;Gv 1.0
91	ADH050	36	5.0M				15	15		-55	85		M486	Track and Hold;Acq Time 120ns.
92	VSSH-S1	36	25M	3DM			15	15	2.2 %	-55	85	K3611	M212	High Speed Sample/Hold;Slew rate 50V/us.
93	VSSH-S3	36	25M	3DM			15	15	2.2 %	0	70	K3611	M212	High Speed Sample/Hold;Slew rate 500V/us.
94	VSSH-F1	36	100M	3DM			15	15	2.2 %	-55	85	K3611	M212	High Speed Sample/Hold;Slew rate 500V/us.
95	VSSH-F3	36	100M	3DM			15	15	2.2 %	0	70	K3611	M212	High Speed Sample/Hold;Slew rate 500V/us.
96	SHMCM	36	10k	3DM	0.0	5.0	0.0	12	30m	0	70	K3617	M419	Gain Error ±.01%;Aperature Delay 20ns.
97	SHMUH	36	10M	3DM	0.0	5.0	15	15	2.0 †	0	70	K3618	M416	Acq.Time 30nS;Sample Rt 10MHz.
98▼#	SP1650B	36		MON	-.96%	-1.6*†	5.2	0.0	275m%				M200g	Dual A/D Comparator;Delay 3.5ns.
99▼#	SP1651B	36		MON	-.96%	-1.6*†	5.2	0.0	275m%			K3636	M200g	Dual A/D Comparator;Delay 2.5ns.
100▼	4854	36		3DM	2.0%	.80*	15	15	600m	0	70	K3632		Acquisition Time 15us at 20V Step to .1%FS
101▼	4855	36		3DM	2.0%	.80*	15	15	2.7 %	0	70	K3633		Acquisition Time220ns at 20V Step to .1%FS
102	LH0023CG	36			2.0%	.80*	0.0	5.0	1.5	-25	85	K361	CN18a	Sample and Hold Circuit;Acc .01% max.
103	LH0023G	36			2.0%	.80*	0.0	5.0	1.5	-55	125	K361	CN18a	Sample and Hold Circuit;Acc .01% max.
104	LH0043CG	36			2.0%	.80*	15	15	1.5	-25	85	K362	CN18a	Sample and Hold Circuit;Acc .10% max.
105	LH0043G	36			2.0%	.80*	15	15	1.5	-55	125	K362	CN18a	Sample and Hold Circuit;Acc .10% max.
106	MN343	36		TFH	2.0%	.80*	15	15	435m%	0	70			Sample and Hold;Droop .1mV/ms;Zin 3.0kΩ.
107	MN343H	36		TFH	2.0%	.80*	15	15	435m%	-55	125			Sample and Hold;Droop .1mV/ms;Zin 3.0kΩ.
108▼	SH730	36			2.0%	.80*	15	15	900m%	0	70	K3612	M390	Sample Hold;Acc 12 Bit;Acq Time 1.0us.
109♦	SHA1A	36		3DM	2.0%	.80*	15	15	375m%	0	70		M368	12 Bit;Acq Time 5.0us max.
110♦	SHA2A	36		3DM	2.0%	.80*	15	15	3.0 %	0	70	K3624	M362	12 Bit;Settling Time 500ns.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SHM60	36		3DM	2.0%	.80*	15	15	600m%	0	70	K3625	M304h	Sample And Hold:Acquisition Time 1us.
2	SHM6401	36			2.0%	.80*	15	15	240m§	0	70	K363	M348	Sample and Hold Module;Acc ±.01% max.
3	SHM-40	36		3DM	2.0%	.80*	15	15	750m%	-55	125	K367	M304b	Sample-Hold;Volt.Off. ±2.0mV.
4	SHM-41	36		3DM	2.0%	.80*	15	15	450m%	-55	125	K367	M304b	Sample-Hold;Volt.Off. ±1.0mV.
5	SHM3	36	10k	3DM	2.0%	.80*	15	15	390m†	0	70	K3615	M440	Acq.Time 50uS;Low Gain Error ±.005%.
6▼	4853	36	20k☑	3DM	2.0%	.80*	15	15	900m%	0	70	K3631		Acquisition Time 1.0us at 20V Step to.1%FS
7♦	SHA6	36	20k	3DM	2.0%	.80*	15	15	510m	0	70		M369	Settling Time 5ms max.
8	SHC23	36	20k	TFH	2.0%	.80*	15	15	450m†	0	70	K368	TO8	Sample-Hold Amp;Aquisition time 70us max.
9	SHC23ET	36	20k	TFH	2.0%	.80*	15	15	450m†	-55	125	K368	TO8	Sample-Hold Amp;Acquisition time 70us max.
10♦	SHA5	36	30k	3DM	2.0%	.80*	15	15	825m	0	70	K3628	M348	Settling Time 15us max.
11	190	36	50k%	3DM	2.0%	.80*	15	15	600m%	-25	85	K3619	M451	Acq 25us;Error ±0.01% max.
12	191	36	50k%	3DM	2.0%	.80*	15	15	600m%	-25	85	K3619	M451	Acq 10us;Error ±0.01% max.
13♦	SHAIII	36	50k	3DM	2.0%	.80*	15	15	450m	0	70	K3627	M523	Sample Hold Amp;Res 100MΩ.
14♦	SHAIV	36	50k	3DM	2.0%	.80*	15	15	540m	0	70		M523	Sample Hold Amp;Res 100MΩ.
15	195	36	100k	3DM	2.0%	.80*	15	15	450m%	0	70	K3620	M371a	Acc ±0.005%;Acq 5.0us max.
16▼	SHC85	36	200k☑	3DM	2.0%	.80*	15	15	390m	0	70	K3626	M487	Aperture Time 30ns;Dyn Lin ±0.01% max.
17▼	SHC85ET	36	200k☑	3DM	2.0%	.80*	15	15	390m	-55	125	K3626	M487	Aperture Time 30ns;Dyn Lin ±0.01% max.
18	SHM1	36	200k	3DM	2.0%	.80*	15	15	1.0 †	0	70	K3613	M438	Acq.Time 5uS;Acc ±0.025%;TC ±20ppm/°C.
19	SHM4	36	200k	3DM	2.0%	.80*	15	15	390m†	0	70	K3616	M441	Acq Time 7uS;Low Droop 20uV/ms.
20	5022	36	300k	3DM	2.0%	.80*	15	15	180m†	-55	85			Sample-Hold, Accuracy ±0.01%.
21♦	S/H725	36	400k	3DM	2.0%	.80*	15	15	300m%	0	70	K369	M309b	Acquisition time 35uS.
22▼	S/H725LH	36	400k	3DM	2.0%	.80*	15	15	300m%	0	70	K369	M309b	Acquisition Time 10us.
23	SHM2	36	500k	3DM	2.0%	.80*	15	15	1.0 †	0	75	K3614	M439	Acq.Time 100nS;Acc ±0.1%;TC ±30ppm/°C.
24▼	SHA1134	36	800k	3DM	2.0%	.80*	15	15	555m	0	70	K3630		
25♦	S/H725WB	36	1.0M	3DM	2.0%	.80*	15	15	300m%	0	70	K369a	M309b	Acquisition time 5uS.
26	A881	36	2.0M	3DM	2.0%	.80*	15	15	1.8 %	0	60			Sample and Hold;0.5us.
27	SHMIC1	36	2.0M	MON	2.0%	.80*	15	15	150m	0	75	K3624	TO116	Sample-Hold;Acq Time 10us with CH .01uF.
28	A880	36	10M	3DM	2.0%	.80*	15	15	1.8 %	0	60	K3610	M353	Sample and Hold;1.4us Acquisition Time.
29	5032	36	20M	3DM	2.0%	.80*	15	15	450m	-55	85		M442	Peak Sense-Hold:Acquisition Time 20ns.
30	5023	36	30MØ	3DM	2.0%	.80*	15	15	1.3 %	-55	85			Acquisition 150ns max.
31	5024	36	30MØ	3DM	2.0%	.80*	15	15	1.8 %	-55	85			Acquisition 30ns max.
32▼	SH740	36	30M		2.0%	.80*	15	15	3.0 %	0	70	K3621	M470	Sample Hold;Acc 8 Bit;Acq Time 200us.
33	5025	36	100M	3DM	2.0%	.80*	15	15	2.7 %	-55	85			Acquisition 30ns max.
34♦	SHA1114	36	1.5M	3DM	2.4%	.40*	15	15	3.0	-55	125	K3629	M362	Settling Time 500ns max.
35	5030	36	10M	3DM	2.4%	.50*	15	15	240m	-55	85			Peak Sense-Hold, Accuracy ±20mV.
36▼	4856	36			2.4%	.80*	15	15	300m	0	75	K3634	M294g	Acquisition Time 4.0us at .1% FS.
37	8111-01	36	500k	3DM	2.4%	.80*	15	15	300m%	-55	85		M484	Diff Track and Hold;Hold Drift .2mV/ms.
38	8111-02	36	500k	3DM	2.4%	.80*	15	15	300m%	-55	85		M484	Diff Track and Hold;Hold Drift .5mV/ms.
39	8111-05	36	500k	3DM	2.4%	.80*	15	15	300m%	-55	85		M484	Diff Track and Hold;Hold Drift 1.0mV/ms.
40	5021	36	10MØ	3DM	3.0	.60	15	15	900m	-55	85		M276	Sample-Hold;3.0nS Acquisition.
41	5026	36		MOS	4.0	.80	15	15	900m%	-55	85		M343a	Sample and Hold Analog Memory.
42#	GXB10179	37		MON	-.88	-1.7†	5.2	0.0		0	75	K376	M200f	Look Ahead Carry Block;tpd 20ns average.
43	MC10579F	37		MON	-.93%	-1.6*†	5.2	0.0	300m†	-55	125	K376	FP85	Look-Ahead Carry Block.
44	MC10579L	37		MON	-.93%	-1.6*†	5.2	0.0	300m†	-55	125	K376	M191	Look-Ahead Carry Block.
45	10179B	37		MON	-.96%	-1.6*†	5.3	0.0	200m†	-30	85	K377	M256	Delay Time 5.5ns max;tr and tf 5.5ns max.
46	10179F	37		MON	-.96%	-1.6*†	5.3	0.0	200m†	-30	85	K377	M153e	Delay Time 5.5ns max;tr and tf 5.5ns max.
47	MC10179L	37		MON	-.96%	-1.6*†	5.2	0.0	300m†	-30	85	K376	M191	Look-Ahead Carry Block.
48	MC10179P	37		MON	-.96%	-1.6*†	5.2	0.0	300m†	-30	85	K376	M278	Look Ahead Carry Block.
49	SN10179AJ	37		MON	-.98%	-1.6*	5.2	0.0	213m†	0	85	K378	M153d	Look-Ahead Carry Generator;tpd 5.5ns typ.
50	SN10179AN	37		MON	-.98%	-1.6*	5.2	0.0	213m†	0	85	K378	M117x	Look-Ahead Carry Generator;tpd 5.5ns typ.
51	5536	37		PCB	2.0%	.45*	0.0	5.0	540m†	0	70		CB62	Average tpd 15ns;Fan Out 10.
52	9342DC	37			2.0%	.80*	0.0	5.0	360m%	0	75	K371	M224c	Io 30mA max;tpd 22ns max.
53	9342DM	37			2.0%	.80*	0.0	5.0	325m%	-55	125	K371	M224c	Io 30mA max;tpd 22ns max.
54	9342FC	37		MON	2.0%	.80*	0.0	5.0	360m§	0	75	K371	FP47b	Look Ahead Carry Generator;tpd 19ns max.
55	9342FM	37			2.0%	.80*	0.0	5.0	325m%	-55	125	K371	FP79b	Io 30mA max;tpd 22ns max.
56	9342PC	37		MON	2.0%	.80*	0.0	5.0	360m%	0	75	K371	M357	Io 30mA max;tpd 22ns max.
57	DM54182J	37		MON	2.0%	.80*	0.0	5.0	180m†	-55	125	K371	M200r	4 Bit Addition Time 24ns;tpd 22ns max.
58	DM74182J	37		MON	2.0%	.80*	0.0	5.0	180m†	0	70	K371	M200r	4 Bit Addition Time 24ns;tpd 22ns max.
59	DM74182N	37		MON	2.0%	.80*	0.0	5.0	180m†	0	70	K371	M345	4 Bit Addition Time 24ns;tpd 22ns max.
60♦#	FLH411-74182	37		MON	2.0%	.80*	0.0	5.0	360m§	0	70	K371	M117w	4 Bit;tpd 22ns max;FO 20 max.
61♦#	FLH415-84182	37		MON	2.0%	.80*	0.0	5.0	360m§	-25	85	K371	M117w	4 Bit;tpd 22ns max;FO 20 max.
62▼#	M5S182P	37		MON	2.0%	.80*	0.0	5.0	345m%	0	75	K371	M153b	Look-Ahead Carry Generator.
63▼	JANM38510/01102BEB	37		MON	2.0%	.80*	0.0	5.5	795m	-55	125	K371a	M323	Lookahead Carry Gen;tpd 80nsmax;FO20 max.
64▼	JANM38510/01102BFB	37		MON	2.0%	.80*	0.0	5.5	795m	-55	125	K371a	FP117	Lookahead Carry Gen;tpd 80ns max;FO 20 max
65▼	JANM38510/01102CEB	37		MON	2.0%	.80*	0.0	5.5	795m	-55	125	K371a	M323	Lookahead Carry Gen;tpd 80nsmax;FO20 max.
66▼	JANM38510/01102CFB	37		MON	2.0%	.80*	0.0	5.5	795m	-55	125	K371a	FP117	Lookahead Carry Gen;tpd 80nsmax;FO20 max.
67#	M53382P	37		MON	2.0%	.80*	0.0	5.0	360m%	0	75	K371	M153b	Look-Ahead Carry Generator.
68#	MIC54182J	37		MON	2.0%	.80*	0.0	5.0	180m†	-55	125	K371	M153a	Look-Ahead Carry Generator.
69#	MIC64182J	37		MON	2.0%	.80*	0.0	5.0	180m†	-40	85	K371	M153a	Look-Ahead Carry Generator.
70#	MIC74182J	37		MON	2.0%	.80*	0.0	5.0	180m†	0	75	K371	M153a	Look-Ahead Carry Generator.
71#	MIC74182N	37		MON	2.0%	.80*	0.0	5.0	180m†	0	75	K371	M153a	Look-Ahead Carry Generator.
72▼	N74182B	37		MON	2.0%	.80*	0.0	5.0	360m§	0	70	K371	M317	High Speed;tpd 22ns max;FO 20 max.
73▼	N74182F	37		MON	2.0%	.80*	0.0	5.0	360m§	0	70	K371	M200v	High Speed;tpd 22ns max;FO 20 max.
74▼	S54182B	37		MON	2.0%	.80*	0.0	5.0	325m§	-55	125	K371	M317	High Speed;tpd 22ns max;FO 20 max.
75▼	S54182F	37		MON	2.0%	.80*	0.0	5.0	325m§	-55	125	K371	M200v	High Speed;tpd 22ns max;FO 20 max.
76▼	S54182W	37		MON	2.0%	.80*	0.0	5.0	325m§	-55	125	K371	FP47g	High Speed;tpd 22ns max;FO 20 max.
77#	SFC4182E	37		MON	2.0%	.80*	0.0	5.0	360m%	0	70	K371	M117	Look Ahead Carry Generator;tpd 22ns max.
78#	SFC4182EM	37		MON	2.0%	.80*	0.0	5.0	360m%	-55	125	K371	M117	Look Ahead Carry Generator;tpd 22ns max.
79#	SFC4182ET	37		MON	2.0%	.80*	0.0	5.0	360m%	-25	85	K371	M117	Look Ahead Carry Generator;tpd 22ns max.
80	SN54S182J	37		MON	2.0%	.80*	0.0	5.0	345m%	-55	125	K371	M153d	Look-Ahead Carry Generators.
81	SN54S182W	37		MON	2.0%	.80*	0.0	5.0	345m%	-55	125	K371	Δ004AG	Look-Ahead Carry Generators.
82	SN74S182J	37		MON	2.0%	.80*	0.0	5.0	345m%	0	70	K371	M153d	Look-Ahead Carry Generators.
83	SN74S182N	37		MON	2.0%	.80*	0.0	5.0	345m%	0	70	K371	M117x	Look-Ahead Carry Generators.
84	SN54182J	37		MON	2.0%	.80*	0.0	5.0	325m%	-55	125	K371	M153d	Look-ahead Carry Generator;tpd 22ns max.
85	SN54182N	37		MON	2.0%	.80*	0.0	5.0	325m%	-55	125	K371	M117	Look-Ahead carry generator.
86	SN54182W	37		MON	2.0%	.80*	0.0	5.0	325m%	-55	125	K371	Δ004AG	Look-Ahead Carry Generator.
87	SN74182J	37		MON	2.0%	.80*	0.0	5.0	360m%	0	70	K371	M153d	Look-ahead Carry Generator;tpd 22ns max.
88	SN74182N	37		MON	2.0%	.80*	0.0	5.0	360m%	0	70	K371	M117x	Look-Ahead carry generator.
89	SW74182J	37		MON	2.0%	.80*	0.0	5.0	360m†	0	70	K371	M153	Look Ahead Carry Generator.
90	SW74182N	37		MON	2.0%	.80*	0.0	5.0	360m%	0	70	K371	M117	Look-Ahead Carry Generator.
91	T54S182F	37		MON	2.0%	.80*	0.0	5.0	495m§	-55	125	K375	FP101	Look Ahead Carry Generator;tpd 10.5ns max.
92	T54S182J	37		MON	2.0%	.80*	0.0	5.0	495m§	-55	125	K375	M352	Look Ahead Carry Generator;tpd 10.5ns max.
93	T74S182F	37		MON	2.0%	.80*	0.0	5.0	545m§	0	70	K375	FP101	Look Ahead Carry Generator;tpd 10.5ns max.
94	T74S182J	37		MON	2.0%	.80*	0.0	5.0	545m§	0	70	K375	M352	Look Ahead Carry Generator;tpd 10.5ns max.
95#	TL74182N	37		MON	2.0%	.80*	0.0	5.0	189m†	0	70	K371	M117u	Look Ahead Carry Generator;tpd 22ns max.
96	MC54182F	37		MON	2.4%	.40*†	0.0	5.0	180m†	-55	125	K374	FP85	Look Ahead Carry Generators
97	MC54182L	37		MON	2.4%	.40*†	0.0	5.0	180m†	-55	125	K374	M191	Look Ahead Carry Generators
98	MC74182F	37		MON	2.4%	.40*†	0.0	5.0	180m†	0	75	K374	FP85	Look-Ahead Carry Generator.
99	MC74182L	37		MON	2.4%	.40*†	0.0	5.0	180m†	0	75	K374	M191	Look Ahead Carry Generator.
100	MC74182P	37		MON	2.4%	.40*†	0.0	5.0	180m†	0	75	K374	M278	Look Ahead Carry Generator.
101▼	CD40182AD	37		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K379	Δ001AD	tpd 345ns max;Trans 200ns max.
102▼	CD40182AE	37		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K379	Δ001AB	tpd 345ns max;Trans 200ns max.
103▼	CD40182AF	37		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K379	Δ001AB	tpd 345ns max;Trans 200ns max.
104▼	CD40182AK	37		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K379	Δ004AF	tpd 345ns max;Trans 200ns max.
105▼	CD40182AY	37		MOS	9.95%	.05*†	0.0	10	200m	-55	125	K379	Δ001AB	tpd 345ns max;Trans 200ns max.
106	MC14582AL	37		MOS	9.99%	.01*†	0.0	10	10u%	-55	125	K374	M191	Look-Ahead Carry Block.

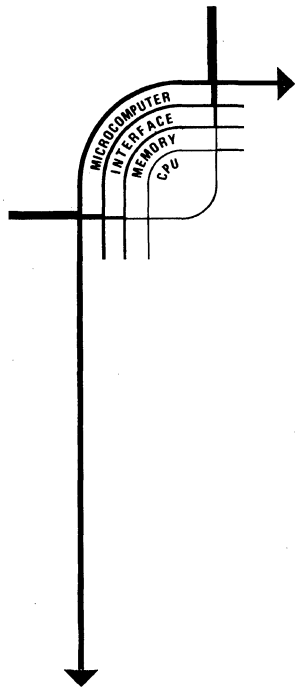
SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MC14582CL	37		MOS	9.99%	.01*†	0.0	10	100u%	-40	85	K374	M191	Look-Ahead Carry Block.
2	MC14582CP	37		MOS	9.99%	.01*†	0.0	10	100u%	-40	85	K374	M278	Look-Ahead Carry Block.
3▼	CD40182BD	37		MOS	15%	.05*†	0.0	15	200m	-55	125	K3779	Δ001AE	Tpd 345ns typ;Trans Time 200ns.
4▼	CD40182BE	37		MOS	15%	.05*†	0.0	15	200m	-55	125	K3779	Δ001AC	Tpd 345ns typ;Trans Time 200ns.
5▼	CD40182BF	37		MOS	15%	.05*†	0.0	15	200m	-55	125	K3779	Δ001AC	Tpd 345ns typ;Trans Time 200ns.
6▼	CD40182BK	37		MOS	15%	.05*†	0.0	15	200m	-55	125	K3779	Δ004AG	Tpd 345ns typ;Trans Time 200ns.
7▼	CD40182BY	37		MOS	15%	.05*†	0.0	15	200m	-55	125	K3779	Δ001AC	tpd 345ns typ;Trans Time 200ns.
8	3701	38		MOS			35	.30	200mΔ	-55	85	K389	FP28b	P-Chan. enhancement MON 6 Chan. Switch.
9	NC490	38		MOH					500m	-55	125	K383	CN6b	Ladder switch for A to D and D to A conv.
10	1101CD1	38		MOS	.50*	4.5%			500m	0	70	K3825c	M105ax	1-Channel;Vin ±20V p-p.
11	1101CP1	38		MOS	.50*	4.5%			500m	0	70	K3825c	M239c	1-Channel;Vin ±20V.
12	1101MD1	38		MOS	.50*	4.5%			500m	-55	125	K3825c	M239c	1-Channel;Vin ±20V.
13	1102CD1	38		MOS	.50*	4.5%			500m	0	70	K3825b	M105ax	2-Channel;Vin ±20V p-p.
14	1102CP1	38		MOS	.50*	4.5%			500m	0	70	K3825b	M200t	2-Channel;Vin ±20V.
15	1102MD1	38		MOS	.50*	4.5%			500m	-55	125	K3825b	M200t	2-Channel;Vin ±20V.
16	1103CD1	38		MOS	.50*	4.5%			500m	0	70	K3825a	M105ax	3-Channel;Vin ±20V p-p.
17	1103CP1	38		MOS	.50*	4.5%			500m	0	70	K3825a	M105ax	3-Channel;Vin ±20V p-p.
18	1103MD1	38		MOS	.50*	4.5%			500m	-55	125	K3825a	M105ax	3-Channel;Vin ±20V.
19	1104CD1	38		MOS	.50*	4.5%			500m	0	70	K3825	M105ax	4-Channel;Vin ±20V p-p.
20	1104CP1	38		MOS	.50*	4.5%			500m	0	70	K3825	M105ax	4-Channel;Vin ±20V p-p.
21	1104MD1	38		MOS	.50*	4.5%			500m	-55	125	K3825	M105ax	4-Channel;Vin ±20V.
22	DG116AL	38		MOH	1.0	0.0	20	10	750M	-55	125	K382a	TO86	4-Channel Driver W/FET Switches
23♦	DG116AP	38		MOH	1.0	0.0	20	10	1.2	-55	125	K382a	M535	4-Channel Driver W/FET Switches
24	DG116BL	38		MOH	1.0	0.0	20	10	750M	-20	85	K382a	TO86	4-Channel Driver W/FET Switches
25♦	DG116BP	38		MOH	1.0	0.0	20	10	1.2	-20	85	K382a	M535	4-Channel Driver w/FET Switches.
26	1106CP3	38		MOS	1.5*	14%	0.0	10	500m	0	70	K3826b	M239c	2-Channel Analog Switch.
27	1106CP4	38		MOS	1.5*	14%	0.0	10	500m	0	70	K3826b	M239c	2-Channel Analog Switch.
28	1107CP3	38		MOS	1.5*	14%	0.0	10	500m	0	70	K3826a	M105ax	3-Channel Analog Switch;Vin 20V.
29	1107CP4	38		MOS	1.5*	14%	0.0	10	500m	0	70	K3826a	M105ax	3-Channel Analog Switch;Vin 20V.
30	1107MD3	38		MOS	1.5*	14%	0.0	10	500m	-55	125	K3826a	M235	3-Channel Analog Switch;Vin 20V.
31	1107MD4	38		MOS	1.5*	14%	0.0	10	500m	-55	125	K3826a	M235	3-Channel Analog Switch;Vin 20V.
32	1108CP3	38		MOS	1.5*	14%	0.0	10	500m	0	70	K3826	M105ax	4-Channel Analog Switch;Vin 20V.
33	1108CP4	38		MOS	1.5*	14%	0.0	10	500m	0	70	K3826	M105ax	4-Channel Analog Switch;Vin 20V.
34	1108MD3	38		MOS	1.5*	14%	0.0	10	500m	-55	125	K3826	M235	4-Channel Analog Switch;Vin 20V.
35	1108MD4	38		MOS	1.5*	14%	0.0	10	500m	-55	125	K3826	M235	4-Channel Analog Switch;Vin 20V.
36	DM7210J	38		MON	2.0%	.80*	0.0	5.0	165m%	-55	125	K3823	M294b	8 Chan.Dig;FO 10;tpd 32ns max.
37	DM7210W	38		MON	2.0%	.80*	0.0	5.0	165m%	-55	125	K3823	FP97a	8 Chan.Dig;FO 10;tpd 32ns max.
38	DM7211J	38		MON	2.0%	.80*	0.0	5.0	165m%	-55	125	K3824	M200r	8 Chan.Dig;FO 10;tpd 32ns max.
39	DM7211W	38		MON	2.0%	.80*	0.0	5.0	165m%	-55	125	K3824	FP88a	8 Chan.Dig;FO 10;tpd 32ns max.
40	DM8210J	38		MON	2.0%	.80*	0.0	5.0	165m%	0	70	K3823	M294b	8 Chan.Dig;FO 10;tpd 32ns max.
41	DM8210N	38		MON	2.0%	.80*	0.0	5.0	165m%	0	70	K3823	M344	8 Chan.Dig;FO 10;tpd 32ns max.
42	DM8211J	38		MON	2.0%	.80*	0.0	5.0	165m%	0	70	K3824	M200r	8 Chan.Dig;FO 10;tpd 32ns max.
43	DM8211N	38		MON	2.0%	.80*	0.0	5.0	165m%	0	70	K3824	M345	8 Chan.Dig;FO 10;tpd 32ns max.
44	DM8214J	38		MON	2.0%	.80*	0.0	5.0	170m†	0	70	K308	M200r	Tri-State 4:1 Mux;tpd 34ns max.
45	MC5446OF	38		MON	2.4%	.40*†	0.0	5.0	250m†	-55	125	K388	FP85	Bus Transfer Switch.
46	MC5446OL	38		MON	2.4%	.40*†	0.0	5.0	250m†	-55	125	K388	M191	Bus Transfer Switch.
47	MC7446OF	38		MON	2.4%	.40*†	0.0	5.0	250m†	0	75	K388	FP85	Bus Transfer Switch
48	MC7446OL	38		MON	2.4%	.40*†	0.0	5.0	250m†	0	75	K388	M191	Bus Transfer Switch.
49	MC7446OP	38		MON	2.4%	.40*†	0.0	5.0	250m†	0	75	K388	M278	Bus Transfer Switch.
50	PC491	38		MOH	2.8%	.70*	0.0	5.0	500m	-55	125	K384	FP61	Dual ladder switch.
51	AM3705CD	38		MOS	3.5	.50	20	5.0	500m	-25	85	K3811	M346a	PCH;Analog Multiplex SW;R(on) 250Ω max.
52	AM3705D	38		MOS	3.5	.50	20	5.0	500m	-55	125	K3811	M346a	PCH;Analog Multiplex SW;R(on) 250Ω max.
53	IM7108C	38		MON	3.5%	.50*	0.0	5.0	100m	-25	70	K387	M236a	8 Channel Multiplex Switch; Ron 140Ω.
54	IM7108M	38		MON	3.5%	.50*	0.0	5.0	100m	-55	125	K387	M236a	8 Channel Multiplex Switch; Ron 140Ω.
55	IM7118C	38		MON	3.5%	.80*	0.0	5.0	100m	-25	70	K387	M236a	8Channel Multiplex Switch; Ron 200Ω.
56	IM7118M	38		MON	3.5%	.80*	0.0	5.0	100m	-55	125	K387	M236a	8 Channel Multiplex Switch; Ron 200Ω.
57▼	SI3705142P	38		MOS	3.5%	.80*	24	5.0	825m	-55	85	K3059	M537	MOS SW w/Driver;R(on)200Ω.
58▼	SI3705143P	38		MOS	3.5%	.80*	24	5.0	825m	-55	85	K3059	M537	MOS SW w/Driver;R(on)200Ω.
59▼	SI3705192P	38		MOS	3.5%	.80*	24	5.0	825m	0	70	K3059	M537	MOS SW w/Driver;R(on)200Ω.
60▼	SI3705193P	38		MOS	3.5%	.80*	24	5.0	825m	0	70	K3059	M537	MOS SW w/Driver;R(on)200Ω.
61	LS1	38		3DM	6.0*	0.0%	5.0	5.0		-55	85	K3822	M185a	D/A Ladder Switch;ton 500ns;toff 400ns.
62	LS3	38		3DM	6.0*	0.0%	5.0	5.0		0	70	K3822	M185a	D/A Ladder Switch;ton 500ns;toff 400ns.
63	AM2009CD	38		MOS	-5.0	-20	20	0.0	900m	-25	85	K3810	M297a	6 Channel Multiplex Switch;Transcond.4.0Ω.
64	AM2009CF	38		MOS	-5.0	-20	20	0.0	900m	-25	85	K3810	FP97a	6 Channel Multiplex Switch;Transcond.4.0Ω.
65	AM2009D	38		MOS	-5.0	-20	20	0.0	900m	-55	125	K3810	M297a	6 Channel Multiplex Switch;Transcond.4.0Ω.
66	AM2009F	38		MOS	-5.0	-20	20	0.0	900m	-55	125	K3810	FP97a	6 Channel Multiplex Switch;Transcond.4.0Ω.
67	MM4504D	38		MOS	-5.0	-20	20	0.0	900m	-55	125	K3810a	M297c	6 PCH Multiplex SW;Transcond 4.0Ω.
68	MM4504F	38		MOS	-5.0	-20	20	0.0	900m	-55	125	K3810a	FP97a	6 PCH Multiplex SW;Transcond 4.0Ω.
69	MM5504D	38		MOS	-5.0	-20	20	0.0	900m	-25	85	K3810a	M297c	6 PCH Multiplex SW;Transcond 4.0Ω.
70	MM5504F	38		MOS	-5.0	-20	20	0.0	900m	-25	85	K3810a	FP97a	6 PCH Multiplex SW;Transcond 4.0Ω.
71	CM4066AD	38		MOS	10.0	0.0	0.0	10	200m	-55	125	K1722	Δ001AD	Quad Bilateral Switch.
72	CM4066AE	38		MOS	10.0	0.0	0.0	10	200m	-40	85	K1722	Δ001AB	Quad Bilateral Switch.
73#	HBC4016AD	38	10M	MOS	10	0.0	0.0	10	200m	-55	125	K3828	M294	Quad Bilateral Switch.
74#	HBC4016AF	38	10M	MOS	10	0.0	0.0	10	200m	-55	125	K3828	M294	Quad Bilateral Switch.
75#	HBC4016AK	38	10M	MOS	10	0.0	0.0	10	200m	-55	125	K3828	FP28g	Quad Bilateral Switch.
76#	HBC4066AD	38	10M	MOS	10	0.0†	0.0	10	100n%	-55	125		Δ001AD	CMS Quad Bilateral Switch;tpd 10ns.
77#	HBC4066AF	38	10M	MOS	10	0.0†	0.0	10	100n%	-55	125		Δ001AD	CMS Quad Bilateral Switch;tpd 10ns.
78#	HBC4066AK	38	10M	MOS	10	0.0†	0.0	10	100n%	-55	125		Δ004AF	CMS Quad Bilateral Switch;tpd 10ns.
79#	HBF4016AE	38	10M	MOS	10	0.0	0.0	10	200m	-40	85	K3828	M126s	Quad Bilateral Switch.
80#	HBF4016AF	38	10M	MOS	10	0.0	0.0	10	200m	-40	85	K3828	M294	Quad Bilateral Switch.
81#	HBF4066AE	38	10M	MOS	10	0.0†	0.0	10	100n%	-40	85		Δ001AB	CMS Quad Bilateral Switch;tpd 10ns.
82#	HBF4066AF	38	10M	MOS	10	0.0†	0.0	10	100n%	-40	85		Δ001AD	CMS Quad Bilateral Switch;tpd 10ns.
83▼	G115AP	38		MOS	20	10	20	10	750m	-55	125	K3812	M357	MOS FET SW;Rds 200Ω max;IG 5.0mA.
84▼	G115BP	38		MOS	20	10	20	10	750m	-20	85	K3812	M537	MOS FET SW;Rds 200Ω max;IG 5.0mA.
85	G116AL	38		MOS	20	10	20	10	750m	-55	125	K3813a	TO86	MOS FET SW;Rds 200Ω max;IG 5.0mA.
86	G116BL	38		MOS	20	10	20	10	750m	-20	85	K3813a	TO86	MOS FET SW;Rds 250Ω max;IG 5.0mA.
87	G118AL	38		MOS	20	10	20	10	750m	-55	125	K3814	TO86	MOS FET SW;Rds 200Ω max;IG 5.0mA.
88	G118BL	38		MOS	20	10	20	10	750m	-20	85	K3814	TO86	MOS FET SW;Rds 250Ω max;IG 5.0mA.
89	G119AL	38		MOS	20	10	20	10	750m	-55	125	K3815	TO86	MOS FET SW;Rds 200Ω max;IG 5.0mA.
90	G119BL	38		MOS	20	10	20	10	750m	-20	85	K3815	TO86	MOS FET SW;Rds 250Ω max;IG 5.0mA.
91	G122AL	38		MOS	20	10	20	10	750m	-55	125	K3816	TO86	MOS FET Switch;RDS 250Ω;IG 5.0mA.
92	G122BL	38		MOS	20	10	20	10	750m	-20	85	K3816	TO86	MOS FET Switch;RDS 250Ω;IG 5.0mA.
93	G123AL	38		MOS	20	10	20	10	750m	-55	125	K3817	TO86	MOS FET Switch;RDS 250Ω;IG 5.0mA.
94	G123AP	38		MOS	20	10	20	10	825m	-55	125	K3817	TO116	MOS FET Switch;RDS 250Ω;IG 5.0mA.
95	G123BL	38		MOS	20	10	20	10	750m	-20	85	K3817	TO86	MOS FET SW;Rds 250Ω max;IG 5.0mA.
96▼	G123BP	38		MOS	20	10	20	10	750m	-20	85	K3817	M535	MOS FET SW;Rds 250Ω max;IG 5.0mA.
97	G124AL	38		MOS	20	10	20	10	750m	-55	125	K3817	TO86	MOS FET Switch;RDS 250Ω;IG 5.0mA.
98	G124BL	38		MOS	20	10	20	10	750m	-20	85	K3817	TO86	MOS FET Switch;RDS 250Ω;IG 5.0mA.
99	G125AF	38		MON	20	10	20	10	500m	-55	125	K385	TO84	Junction FET SW;Rds 500Ω max;IG 50mA.
100	G126AF	38		MON	20	10	20	10	500m	-55	125	K385	TO84	Junction FET SW;Rds 250Ω max;IG 50mA.
101	G127AF	38		MON	20	10	20	10	500m	-55	125	K385	TO84	Junction FET SW;Rds 90Ω max;IG 50mA.
102	G128AF	38		MON	20	10	20	10	500m	-55	125	K385	TO84	Junction FET SW;Rds 45Ω max;IG 50mA.
103	G128AP	38		MON	20	10	20	10	500m	-55	125	K385	TO116	Junction FET SW;Rds 45Ω max;IG 50mA.
104	G128BP	38		MON	20	10	20	10	500m	-20	85	K385	TO116	Junction FET SW;Rds 50Ω max;IG 50mA.
105	G129AF	38		MON	20	10	20	10	500m	-55	125	K386	TO84	Junction FET SW;Rds 500Ω max;IG 50mA.
106	G130AF	38		MON	20	10	20	10	500m	-55	125	K386	TO84	Junction FET SW;Rds 250Ω max;IG 50mA.
107	G131AF	38		MON	20	10	20	10	500m	-55	125	K386	TO84	Junction FET SW;Rds 90Ω max;IG 50mA.
108	G132AF	38		MON	20	10	20	10	500m	-55	125	K386	TO84	Junction FET SW;Rds 45Ω max;IG 50mA.
109	MEM780D	38		MOS	30$*	-2.0*	6.0	10	600m	-65	125	K3818	M297b	4 NCH Multiple SW;RDS(on) 15Ω.
110	MEM780F	38		MOS	30$*	-2.0*	6.0	10	600m	-65	125	K3818	FP39c	4 NCH Multiple SW;RDS(on) 15Ω.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER



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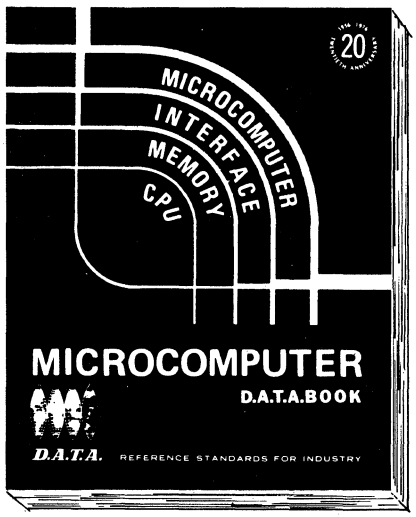

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11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MEM780P	38		MOS	30$*	-2.0*	6.0	10	600m	-65	85	K3818	M126q	4 NCH Multiple SW;RDS(on) 15Ω.
2	MX04C	38		MOS	-11	-1.0	24	0	200m	-55	85		FP34	4 Channel 50 ohm Switch
3	MEM853D	38		MOS	-30$%	4.5*	20	0.0	1.7	-65	125	K3820	M192c	10 PCH Multiple SW;RDS(on) 150Ω max.
4	MEM853F	38		MOS	-30$%	4.5*	20	0.0	1.7	-65	125	K3820	FP48	10 PCH Multiple SW;RDS(on) 150Ω max.
5	MEM853P	38		MOS	-30$%	4.5*	20	0.0	1.7	-65	85	K3820	M186c	10 PCH Multiple SW;RDS(on) 150Ω max.
6	MEM857D	38		MOS	-30%$	4.5*	20	0.0	1.7	-65	125	K3821	M192c	8 PCH Multiple SW;RDS(on) 150Ω max.
7	MEM857F	38		MOS	-30%$	4.5*	20	0.0	1.7	-65	125	K3821	FP48	8 PCH Multiple SW;RDS(on) 150Ω max.
8	MEM857P	38		MOS	-30%$	4.5*	20	0.0	1.7	-65	85	K3821	M186c	8 PCH Multiple SW;RDS(on) 150Ω max.
9	MEM851D	38		MOS	-35$%	-4.0*	20	0.0	600m	-65	125	K3819	M297b	4 PCH Multiple SW;tr 25ns max;tf 130ns max
10	MEM851F	38		MOS	-35$%	-4.0*	20	0.0	600m	-65	125	K3819	FP39d	4 PCH Multiple SW;tr 25ns max;tf 130ns max
11	MEM851P	38		MOS	-35$%	-4.0*	20	0.0	600m	-65	85	K3819	M126q	4 PCH Multiple SW;tr 25ns max;tf 130ns max
12	MEM855D	38		MOS	-40%$	-5.0*	20	0.0	900m	-65	125	K3810	M297b	6 PCH Multiple SW;RDS(on) 150Ω.
13	MEM855F	38		MOS	-40%$	-5.0*	20	0.0	900m	-65	125	K3810	FP39c	6 PCH Multiple SW;RDS(on) 150Ω.
14	MEM855P	38		MOS	-40%$	-5.0*	20	0.0	900m	-65	85	K3810	M126q	6 PCH Multiple SW;RDS(on) 150Ω.
15	MEM856D	38		MOS	-50%$	-6.0*	20	0.0	300m	-65	125	K3810	M297b	6 PCH Multiple SW;RDS(on) 700Ω.
16	MEM856F	38		MOS	-50%$	-6.0*	20	0.0	300m	-65	125	K3810	FP39c	6 PCH Multiple SW;RDS(on) 700Ω.
17	MEM856P	38		MOS	-50%$	-6.0*	20	0.0	300m	-65	85	K3810	M126q	6 PCH Multiple SW;RDS(on) 700Ω.
18	DAS8DLP12B	39		PCM			15	15	240m%	0	70	K395	CB67	8 Chan.Diff.Data Acq.Sys;BIN or 2s Comp.
19	DAS16LP12B	39		PCM			0.0	15	225m%	0	70	K395	CB67	16 Anal.in Chan.Data Acq.Sys;BIN or2s Comp
20▼	DAS400	39		PCB			15	15	1.6 †	0	70	K3918	CB71	8 Channel Data Acq Sys;12 Bits;Acc .025%.
21▼	DAS401	39		PCB			15	15	1.6 †	0	70	K3918	CB71	8 Channel Data Acq Sys;12 Bits;Acc .06%.
22	SCLCM	39		3DM			0.0	15	120m%	0	70	K397	M437	Data Acquisition Sys.Programmer Sequence.
23	DAS16L12B	39	25k	PCM			15	15	7.0 †	0	70	K394	CB66	16 Chan.Data Acq.Sys;12 Bit BIN Out.
24	DAS16L12D	39	25k	PCM			15	15	7.0 †	0	70	K394	CB66	16 Chan.Data Acq.Sys;3 Dig BCD Out.
25	DAS16L10B	39	30k	PCM			15	15	7.0 †	0	70	K394	CB66	16 Chan.Data Acq.Sys;10 Bit BIN Out.
26	DAS16L8B	39	50k	PCM			15	15	7.0 †	0	70	K394	CB66	16 Chan.Data Acq.Sys;8 Bit BIN Out.
27	DAS16L8D	39	50k	PCM			15	15	7.0 †	0	70	K394	CB66	16 Chan.Data Acq.Sys;2 Dig BCD Out.
28	DAS16M12B	39	50k	PCM			15	15	7.0 †	0	70	K394	CB66	16 Chan.Data Acq.Sys;12 Bit BIN Out.
29	DAS16M12D	39	50k	PCM			15	15	7.0 †	0	70	K394	CB66	16 Chan.Data Acq.Sys;3 Dig.BCD Out.
30▼	SDM850	39	50k%	PCB			15	15	3.5 †	0	70	K3914	CB69	16 Channel Data Acquisition System.
31▼	SDM850A	39	50k%	PCB			15	15	3.5 †	0	70	K3914	CB69a	16 Channel Data Acquisition System.
32▼	SDM851	39	50k%	PCB			15	15	3.5 †	0	70		CB69b	8 Channel Data Acquisition System.
33▼	SDM851A	39	50k%	PCB			15	15	3.5 †	0	70		CB69c	8 Channel Data Acquisition System.
34	DAS16M10B	39	60k	PCM			15	15	7.0 †	0	70	K394	CB66	16 Chan.Data Acq.Sys;10 Bit BIN Out.
35	DAS16M8B	39	100k	PCM			15	15	7.0 †	0	70	K394	CB66	16 Chan.Data Acq.Sys;8 Bit BIN Out.
36	DAS16M8D	39	100k	PCM			15	15	7.0 †	0	70	K394	CB66	16 Chan.Data Acq.Sys;2 Dig.BCD Out.
37▼	MNA7000	39	1.0MΔ	PCM			15	15	3.0	0	70	K3915	CB70	16 Chan Data Acq Sys;12 Bit Bin Out.
38♦	TMS0850NC	39	200k	MON	-.60	-14	16	0.0	100m	0	70	K3916	FC☑	Direct Drive Low Power Calculator Chip.
39▼	DAS450	39		PCM	2.0%	.80*	15	15	6.0	0	70	K3917	CB37g	16 Chan Data Acq Sys;12 Bit Out.
40▼	DAS450HP	39		PCM	2.0%	.80*	15	15	6.0	0	70	K3917	CB37g	16 Chan Data Acq Sys;12 Bit Out.
41	MC6860L	39		MON	2.0%	.80*	0.0	5.0	325m	0	70	K393	M292	0-600bpS Digital Data Modem.
42	SCL1	39		3DM	2.0%	.80*	0.0	5.0	1.2 %	0	70	K396	M436	Data Acquisition Sys.Programmer Sequence.
43	TMS0100NC	39	400k	MON	6.7	0.0	7.2	7.2	400m	0	70		FC☑	Programmable One-Chip Calculator.
44▼	MC14412FL	39		MOS	9.99%	.01*†	0.0	10	120m%	-40	85	K3913	M512	CMS;Univ Low Speed (0-600bps)MODEM.
45▼	MC14412VL	39		MOS	9.99%	.01*†	0.0	10	120m%	-40	85	K3913	M512	CMS;Univ Low Speed (0-600bps)MODEM.
46	TMS0800NC	39	200k	MON	-1.0	-6.0	15.5	0.0	100m	0	70		FC☑	Low Power,8 Digit,Calculator Chip.
47	TMS0200NC	39	250k	MON	-1.0	-17	18.2	0.0	400m	0	70		FC☑	Data Chip, Two-Chip Calculator.
48	TMS0300NC	39	250k	MON	-1.0	-17	18.2	0.0	200m	0	70		FC☑	ROM Chip, Two-Chip Calculator.
49	S9510	39		MOS	-1.7%	-4.8*	14	0.0	160m	0	55	K3910	M480a	Calculator.
50	S9511	39		MOS	-1.7%	-4.8*	14	0.0	185m	0	55	K3911	M480a	Calculator.
51	S9650	39		MOS	-1.7%	-4.8*	15	0.0	160m	0	55	K3910		Calculator.
52	S9412A	39		MOS	-1.8%	-4.6*	15	0.0	160m	0	70	K398	M480a	Calculator.
53	S9412B	39		MOS	-1.8%	-4.6*	15	0.0	160m	0	70	K398	M480a	Calculator.
54	S9412C	39		MOS	-1.8%	-4.6*	15	0.0	160m	0	70	K398	M480a	Calculator.
55	S9414A	39		MOS	-1.8%	-4.6*	15	0.0	160m	0	70	K399	M480a	Calculator.
56	S9414B	39		MOS	-1.8%	-4.6*	15	0.0	160m	0	70	K399	M480a	Calculator.
57	S9651	39		MOS	-1.8%	-4.6*	15	0.0	160m	0	70	K3912	M480a	Calculator.
58	S9411	39		MOS	-2.0%	-8.0*	15	0.0		0	55		M478b	Calculator.
59	TMS1000NC	39	200k	MON	12.3	8.5	0.0	15	200m	0	70		FC☑	Programmable Digit Processor.
60	HD1-4819-5	40		MOS			0.0	5.0		0	75	K406	M349	12/24 Hr. LED Watch Ckt.
61	SAJ300	40		MON			0.0	12	300m	-40	85	K4010	TO116	Programmable Car Clock Ckt.
62▼	SCL5420D	40		MOS	§		0.0	10	300m	-55	125	K4019	M☑	Osc/Divider;Hours/Minutes Counter;BCD Out
63▼	SCL5420E	40		MOS	§		0.0	10	300m	-40	85	K4019	M☑	Osc/Divider;Hours/Minutes Counter;BCD Out
64▼	SCL5420F	40		MOS	§		0.0	10	300m	-55	125	K4019	M☑	Osc/Divider;Hours/Minutes Counter;BCD Out
65▼	SCL5420H	40		MOS	§		0.0	10	300m			K4019		Osc/Divider;Hours/Minutes Counter;BCD Out
66	TBA840	40	12	MON			0.0	1.5		-10	60	K4011	CN79	Wrist-Watch Balance Wheel Driver.
67	TCA840	40	12	MON			0.0	1.5		-10	60	K4012	FP120	Wrist-Watch Balance Wheel Driver.
68▼	UCN4103A	40	3.1MØ	MOS			0.0	15	18m†	-30	80	K4016	M105af	Automotive Clock Divider/Driver.
69▼	UCN4104A	40	3.1MØ	MOS			0.0	5.0	900u†	-30	80	K4017	M105af	Clock Divider/Driver.
70▼	UCN4105A	40	3.1MØ	MOS			0.0	5.0	875u†	-25	80	K4018	M105af	Timer Divider/Driver;15/30 Mins.
71	S1410	40		MOS	0.0	-3.2	3.2	0.0		-10	70	K1174		LCD Time Date Second Watch Ckt.
72	S1400	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1175	FC15	LCD Watch Divider/Driver.
73	S1400A	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1175	FC15	LCD Watch Divider/Driver.
74	S1400B	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1175	FC15	LCD Watch Divider/Driver.
75	S1401	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1175	FC15	LCD Watch Divicer/Driver.
76	S1401A	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1175	FC15	LCD Watch Divider/Driver.
77	S1401B	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1175	FC15	LCD Watch Divider/Driver.
78	S1402	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1174	M504	LCD Watch Divider/Driver.
79	S1402A	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1175	M504	LCD Watch Divider/Driver.
80	S1402B	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1175	M504	LCD Watch Divider/Driver.
81	S1403	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1175	FP119	LCD Watch Divider/Driver.
82	S1403A	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1175	FP119	LCD Watch Divider/Driver.
83	S1403B	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1175	FP119	LCD Watch Divider/Driver.
84	S1404	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1175	FC16	LCD Watch Divider/Driver.
85	S1404A	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1175	FC16	LCD Watch Divider/Driver.
86	S1404B	40		MOS	0.0	-7.5	7.5	0.0		-10	70	K1175	FC16	LCD Watch Divider/Driver.
87▼	TMS3952NL	40		MOS	0.0	-17	17	0.0		0	70	K4014		Timer/Stopwatch.
88▼	TMS3954NL	40		MOS	0.0	-17	17	0.0		0	70	K4015		Digital Alarm Clock
89▼	MC14440L	40		MOS	-.20%	-4.3*†	4.5	0.0		-10	60	K4013	M513	CMS;LCD Watch/Clock Ckt.
90▼	MC14440Z	40		MOS	-.20%	-4.3*†	4.5	0.0		-10	60	K4013	FC17	CMS;LCD Watch/Clock Ckt.
91▼	MCC14440	40		MOS	-.20%	-4.3*†	4.5	0.0		-10	60	K4013	FC☑	CMS;LCD Watch/Clock Ckt.
92▼	DF211CR	40		MOS	2.0%	.80*	0.0	3.0	30u§	-35	70	K407	M536	CMOS Watch/Clock Circuit.
93	DF211DICE	40		MOS	2.0	.80	0.0	10	30u%	-35	70	K407		LV CMOS Ckt for LED Watches.
94	S1998	40		MOS	7.0%	1.0*	0.0	8.0		0	70	K409	M504	Digital Alarm Clock.
95	MM5316D	40	30k	MOS	7.0%	2.0*	0.0	8.0	32m	25	70	K403	M479	Digital Alarm Clock.
96	MM5316N	40	30k	MOS	7.0%	2.0*	0.0	8.0	32m	25	70	K403	M480	Digital Alarm Clock.
97	S1856	40		MOS	-1.0	-6.0	16	0.0		-40	100	k408	M504	Digital Clock.
98	MM5370D	40	30k	MOS	-1.0%	-30*	-29	0.0	145m	25	70	K404	M349a	Digital Alarm Clock.
99	MM5370N	40	30k	MOS	-1.0%	-30*	-29	0.0	145m	25	70	K404	M478	Digital Alarm Clock.
100	MM5371D	40	30k	MOS	-1.0%	-30*	-29	0.0	145m	25	70	K404	M349a	Digital Alarm Clock.
101	MM5371N	40	30k	MOS	-1.0%	-30*	-29	0.0	145m	25	70	K404	M478	Digital Alarm Clock.
102	MM5375AAN	40	30k	MOS	-1.0%	-30*	-29	0.0	232m	25	70	K405	M396	Digital Alarm Clock.
103	MM5375ABN	40	30k	MOS	-1.0%	-30*	-29	0.0	232m	25	70	K405	M396	Digital Alarm Clock.
104	MM5375ACN	40	30k	MOS	-1.0%	-30*	-29	0.0	232m	25	70	K405	M396	Digital Alarm Clock.
105	MM5375ADN	40	30k	MOS	-1.0%	-30*	-29	0.0	232m	25	70	K405	M396	Digital Alarm Clock.
106	MM5375AEN	40	30k	MOS	-1.0%	-30*	-29	0.0	232m	25	70	K405	M396	Digital Alarm Clock.
107	MM5309N	40	60k	MOS	-20	0.0	0.0	14	28m	25	70	K401	M478	12-24 Hour Select In;4-6 Digit Display.
108	MM5311D	40	60k	MOS	-20	0.0	0.0	14	112m	25	70	K402	M349a	12-24 Hour Select In;4-6 Digit Display.
109	MM5311N	40	60k	MOS	-20	0.0	0.0	14	112m	25	70	K402	M478	12-24 Hour Select In;4-6 Digit Display.
110	MM5312D	40	60k	MOS	-20	0.0	0.0	14	112m	25	70	K402a	M400	12-24 Hour Select In;4-6 Digit Display.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MM5312N	40	60k	MOS	-20	0.0	0.0	14	112m	25	70	K402a	M396	12-24 Hour Select In;4-6 Digit Display.
2	MM5313D	40	60k	MOS	-20	0.0	0.0	14	112m	25	70	K402b	M349a	12-24 Hour Select In;4-6 Digit Display.
3	MM5313N	40	60k	MOS	-20	0.0	0.0	14	112m	25	70	K402b	M478	12-24 Hour Select In;4-6 Digit Display.
4	MM5314D	40	60k	MOS	-20	0.0	0.0	14	112m	25	70	K402c	M400	12-24 Hour Select In;4-6 Digit Display.
5	MM5314N	40	60k	MOS	-20	0.0	0.0	14	112m	25	70	K402c	M396	12-24 Hour Select In;4-6 Digit Display.
6	MM5315N	40	60k	MOS	-20	0.0	0.0	14	28m	25	70	K401a	M478	12-24 Hour Select In;4-6 Digit Display.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11A. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/00101BAA	ITT	1B AMEND 2
	MOTA	
	NSC	
M38510/00101BAB	ITT	1B AMEND 2
	MOTA	
M38510/00101BAC	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
M38510/00101BCA	MOTA	1B AMEND 2
M38510/00101BCB	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00101BCC	ITT	1B AMEND 2
	SIC	
M38510/00101BDB	NSC	1B AMEND 2
	SIC	
	TII	
M38510/00101BDC	SIC	1B AMEND 2
M38510/00101CAA	ITT	1B AMEND 2
	MOTA	
	NSC	
M38510/00101CAB	ITT	1B AMEND 2
	MOTA	
M38510/00101CAC	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
M38510/00101CCA	MOTA	1B AMEND 2
M38510/00101CCB	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00101CCC	ITT	1B AMEND 2
	SIC	
M38510/00101CDB	NSC	1B AMEND 2
	SIC	
	TII	
M38510/00101CDC	SIC	1B AMEND 2
M38510/00102BAA	ITT	1B AMEND 2
	MOTA	
	NSC	
M38510/00102BAB	ITT	1B AMEND 2
	MOTA	
M38510/00102BAC	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
M38510/00102BCA	MOTA	1B AMEND 2
M38510/00102BCB	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
	SIC	
	TII	
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M38510/00102BDB	NSC	1B AMEND 2
	SIC	
	TII	
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	MOTA	
M38510/00102CAC	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
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	NSC	
	SIC	
	TII	
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M38510/00102CDB	NSC	1B AMEND 2
	SIC	
	TII	
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M38510/00103BAA	ITT	1B AMEND 2
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	NSC	
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	MOTA	
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	MOTA	
	NSC	
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	NSC	
	SIC	
	TII	
M38510/00103BCC	ITT	1B AMEND 2
M38510/00103BDB	NSC	1B AMEND 2
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	TII	
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	NSC	
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	MOTA	
	NSC	
M38510/00103CCA	MOTA	1B AMEND 2
M38510/00103CCB	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00103CCC	ITT	1B AMEND 2
M38510/00103CDB	NSC	1B AMEND 2
	SIC	
	TII	
M38510/00103CDC	SIC	1B AMEND 2
M38510/00104BAA	ITT	1B AMEND 2
	MOTA	
	NSC	
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	MOTA	
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	ITT	
	MOTA	
	NSC	
M38510/00104BCA	MOTA	1B AMEND 2
M38510/00104BCB	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
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M38510/00104BCC	ITT	1B AMEND 2
M38510/00104BDB	NSC	1B AMEND 2
	TII	
M38510/00104CAA	ITT	1B AMEND 2
	MOTA	
	NSC	
M38510/00104CAB	ITT	1B AMEND 2
	MOTA	
	NSC	
	SIC	
	TII	
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M38510/00104CCB	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
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M38510/00104CDB	NSC	1B AMEND 2
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	NSC	
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	MOTA	
M38510/00105BAC	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
M38510/00105BCA	MOTA	1B AMEND 2
M38510/00105BCB	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
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	SIC	
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	ITT	
	MOTA	
	NSC	
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	SIC	
	TII	
M38510/00105CCC	ITT	1B AMEND 2
	SIC	
M38510/00105CDB	SIC	1B AMEND 2
	TII	
M38510/00106BCB	TII	1B AMEND 2
M38510/00106BDB	TII	1B AMEND 2
M38510/00106CCB	TII	1B AMEND 2
M38510/00106CDB	TII	1B AMEND 2
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	MOTA	
M38510/00107BAC	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
M38510/00107BCA	MOTA	1B AMEND 2
M38510/00107BCB	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00107BCC	ITT	1B AMEND 2
	SIC	
M38510/00107BDB	NSC	1B AMEND 2
	SIC	
	TII	
M38510/00107BDC	SIC	1B AMEND 2
M38510/00107CAA	ITT	1B AMEND 2
	MOTA	
	NSC	
M38510/00107CAB	ITT	1B AMEND 2
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	MOTA	
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	MOTA	
	NSC	
	SIC	
	TII	
M38510/00107CCC	ITT	1B AMEND 2
M38510/00107CDB	NSC	1B AMEND 2
	SIC	
	TII	
M38510/00107CDC	SIC	1B AMEND 2
M38510/00108BAA	ITT	1B AMEND 2
	MOTA	
	NSC	
M38510/00108BAB	ITT	1B AMEND 2
	MOTA	
M38510/00108BAC	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
M38510/00108BCA	MOTA	1B AMEND 2
M38510/00108BCB	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
	SIC	
	TII	
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	SIC	
M38510/00108BDB	SIC	1B AMEND 2
	TII	
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	MOTA	
	NSC	
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	MOTA	
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	ITT	
	MOTA	
	NSC	
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M38510/00108CCB	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
	SIC	
	TII	
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	SIC	
M38510/00108CDB	SIC	1B AMEND 2
	TII	
M38510/00109BCA	MOTA	1B AMEND 2
M38510/00109BCB	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00109BCC	ITT	1B AMEND 2
	SIC	
M38510/00109CCA	MOTA	1B AMEND 2
M38510/00109CCB	FSC	1B AMEND 2
	ITT	
	MOTA	
	NSC	
M38510/00109CCC	ITT	1B AMEND 2
	SIC	
M38510/00201BAA	ITT	2E
	MOTA	
	NSC	
M38510/00201BAB	ITT	2E
	MOTA	
M38510/00201BAC	ITT	2E
	MOTA	
	NSC	
M38510/00201BCA	MOTA	2E
M38510/00201BCB	ITT	2E
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00201BCC	ITT	2E
	SIC	
M38510/00201BDB	SIC	2E
	TII	
M38510/00201CAA	ITT	2E
	MOTA	
	NSC	
M38510/00201CAB	ITT	2E
	MOTA	
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	MOTA	
	NSC	
M38510/00201CCA	MOTA	2E
M38510/00201CCB	ITT	2E
	MOTA	
	NSC	
	SIC	
	TII	
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	SIC	
M38510/00201CDB	SIC	2E
	TII	
M38510/00202BAA	ITT	2E
	MOTA	
	NSC	
M38510/00202BAB	ITT	2E
	MOTA	
M38510/00202BAC	ITT	2E
	MOTA	
	NSC	
M38510/00202BCA	MOTA	2E
M38510/00202BCB	ITT	2E
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00202BCC	ITT	2E
M38510/00202BDB	SIC	2E
	TII	
M38510/00202CAA	ITT	2E
	MOTA	
	NSC	
M38510/00202CAB	ITT	2E
	MOTA	
M38510/00202CAC	ITT	2E
	MOTA	
	NSC	
M38510/00202CCA	MOTA	2E
M38510/00202CCB	ITT	2E
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00202CCC	ITT	2E
M38510/00202CDB	SIC	2E
	TII	
M38510/00203BCA	MOTA	2E

11A. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/00203BCB	MOTA	2E
	NSC	
	SIC	
	TII	
M38510/00203BCC	SIC	2E
M38510/00203CCA	MOTA	2E
M38510/00203CCB	MOTA	2E
	NSC	
	SIC	
	TII	
M38510/00203CCC	SIC	2E
M38510/00204BEB	ITT	2E
	NSC	
	SIC	
	TII	
M38510/00204BFB	SIC	2E
M38510/00204CEB	ITT	2E
	NSC	
	SIC	
	TII	
M38510/00204CFB	SIC	2E
M38510/00205BAA	ITT	2E
	NSC	
M38510/00205BAB	ITT	2E
M38510/00205BAC	FSC	2E
	ITT	
	NSC	
M38510/00205BCB	ITT	2E
	NSC	
	SIC	
	TII	
M38510/00205BCC	ITT	2E
M38510/00205BDB	SIC	2E
	TII	
M38510/00205BDC	SIC	2E
M38510/00205CAA	ITT	2E
	NSC	
M38510/00205CAB	ITT	2E
M38510/00205CAC	FSC	2E
	ITT	
	NSC	
M38510/00205CCB	ITT	2E
	NSC	
	SIC	
	TII	
M38510/00205CCC	ITT	2E
M38510/00205CDB	SIC	2E
	TII	
M38510/00205CDC	SIC	2E
M38510/00206BAA	ITT	2E
	MOTA	
M38510/00206BAB	ITT	2E
	MOTA	
M38510/00206BAC	ITT	2E
	MOTA	
M38510/00206BCA	MOTA	2E
M38510/00206BCB	ITT	2E
	MOTA	
	SIC	
	TII	
M38510/00206BCC	ITT	2E
M38510/00206BDB	SIC	2E
	TII	
M38510/00206CAA	ITT	2E
	MOTA	
M38510/00206CAB	ITT	2E
	MOTA	
M38510/00206CAC	ITT	2E
	MOTA	
M38510/00206CCA	MOTA	2E
M38510/00206CCB	ITT	2E
	MOTA	
	SIC	
	TII	
M38510/00206CCC	ITT	2E
M38510/00206CDB	cont.next col.	2E

TYPE No.	MFRS	MIL-M-38510/
M38510/00206CDB (cont.)	SIC	
	TII	
M38510/00207BAA	MOTA	2E
M38510/00207BAB	MOTA	2E
M38510/00207BAC	MOTA	2E
M38510/00207BCA	MOTA	2E
M38510/00207BCB	MOTA	2E
M38510/00207CAA	MOTA	2E
M38510/00207CAB	MOTA	2E
M38510/00207CAC	MOTA	2E
M38510/00207CCA	MOTA	2E
M38510/00207CCB	MOTA	2E
M38510/00301BAA	ITT	3B
	MOTA	AMEND 1
M38510/00301BAB	ITT	3B
	MOTA	AMEND 1
M38510/00301BAC	FSC	3B
	ITT	AMEND 1
	MOTA	
M38510/00301BCA	MOTA	3B
		AMEND 1
M38510/00301BCB	FSC	3B
	ITT	AMEND 1
	MOTA	
	SIC	
	TII	
M38510/00301BCC	ITT	3B
	SIC	AMEND 1
M38510/00301BDB	SIC	3B
	TII	AMEND 1
M38510/00301BDC	SIC	3B
M38510/00301CAA	ITT	3B
	MOTA	AMEND 1
M38510/00301CAB	ITT	3B
	MOTA	AMEND 1
M38510/00301CAC	FSC	3B
	ITT	AMEND 1
	MOTA	
M38510/00301CCA	MOTA	3B
		AMEND 1
M38510/00301CCB	FSC	3B
	ITT	AMEND 1
	MOTA	
	SIC	
	TII	
M38510/00301CCC	ITT	3B
	SIC	AMEND 1
M38510/00301CDB	SIC	3B
	TII	AMEND 1
M38510/00301CDC	SIC	3B
M38510/00302BAA	ITT	3B
	MOTA	AMEND 1
M38510/00302BAB	ITT	3B
	MOTA	AMEND 1
M38510/00302BAC	ITT	3B
	MOTA	AMEND 1
M38510/00302BCA	MOTA	3B
		AMEND 1
M38510/00302BCB	ITT	3B
	MOTA	AMEND 1
	SIC	
	TII	
M38510/00302BCC	ITT	3B
	SIC	AMEND 1
M38510/00302BDB	SIC	3B
	TII	AMEND 1
M38510/00302CAA	ITT	3B
	MOTA	AMEND 1
M38510/00302CAB	ITT	3B
	MOTA	AMEND 1
M38510/00302CAC	ITT	3B
	MOTA	AMEND 1
M38510/00302CCA	MOTA	3B
		AMEND 1

TYPE No.	MFRS	MIL-M-38510/
M38510/00302CCB	ITT	3B
	MOTA	AMEND 1
M38510/00302CCC	ITT	3B
	SIC	AMEND 1
M38510/00302CDB	SIC	3B
	TII	AMEND 1
M38510/00303BAA	MOTA	3B
		AMEND 1
M38510/00303BAB	MOTA	3B
		AMEND 1
M38510/00303BAC	FSC	3B
	MOTA	AMEND 1
M38510/00303BCA	MOTA	3B
		AMEND 1
M38510/00303BCB	MOTA	3B
	SIC	AMEND 1
	TII	
M38510/00303BCC	SIC	3B
		AMEND 1
M38510/00303BDB	SIC	3B
	TII	AMEND 1
M38510/00303CAA	MOTA	3B
		AMEND 1
M38510/00303CAB	MOTA	3B
		AMEND 1
M38510/00303CAC	FSC	3B
	MOTA	AMEND 1
M38510/00303CCA	MOTA	3B
		AMEND 1
M38510/00303CCB	MOTA	3B
	SIC	AMEND 1
	TII	
M38510/00303CCC	SIC	3B
		AMEND 1
M38510/00303CDB	SIC	3B
	TII	AMEND 1
M38510/00401BAA	ITT	4A
	MOTA	AMEND 6
	NSC	
M38510/00401BAB	ITT	4A
	MOTA	AMEND 6
M38510/00401BAC	FSC	4A
	ITT	AMEND 6
	MOTA	
	NSC	
M38510/00401BCA	MOTA	4A
		AMEND 6
M38510/00401BCB	FSC	4A
	ITT	AMEND 6
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00401BCC	ITT	4A
	SIC	AMEND 6
M38510/00401BDB	NSC	4A
	SIC	AMEND 6
	TII	
M38510/00401BDC	SIC	4A
		AMEND 6
M38510/00401CAA	ITT	4A
	MOTA	AMEND 6
M38510/00401CAB	ITT	4A
	MOTA	AMEND 6
M38510/00401CAC	FSC	4A
	ITT	AMEND 6
	MOTA	
	NSC	
M38510/00401CCA	MOTA	4A
		AMEND 6
M38510/00401CCB	FSC	4A
	ITT	AMEND 6
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00401CCC	ITT	4A
	SIC	AMEND 6

TYPE No.	MFRS	MIL-M-38510/
M38510/00401CDB	NSC	4A
	SIC	AMEND 6
	TII	
M38510/00401CDC	SIC	4A
		AMEND 6
M38510/00402BEA	MOTA	4A
		☑
		AMEND 6
M38510/00402BEB	MOTA	4A
	TII	AMEND 6
M38510/00402BFB	MOTA	4A
	TII	AMEND 6
M38510/00402CEA	MOTA	4A
		☑
		AMEND 6
M38510/00402CEB	MOTA	4A
	TII	AMEND 6
M38510/00402CFB	MOTA	4A
	TII	AMEND 6
M38510/00403BAA	MOTA	4A
		AMEND 6
M38510/00403BAB	MOTA	4A
		AMEND 6
M38510/00403BAC	MOTA	4A
		AMEND 6
M38510/00403BCA	MOTA	4A
		AMEND 6
M38510/00403BCB	MOTA	4A
	TII	AMEND 6
M38510/00403BDB	TII	4A
		AMEND 6
M38510/00403CAA	MOTA	4A
		AMEND 6
M38510/00403CAB	MOTA	4A
		AMEND 6
M38510/00403CAC	MOTA	4A
		AMEND 6
M38510/00403CCA	MOTA	4A
		AMEND 6
M38510/00403CCB	MOTA	4A
	TII	AMEND 6
M38510/00403CDB	TII	4A
		AMEND 6
M38510/00404BAA	MOTA	4A
		AMEND 6
M38510/00404BAB	MOTA	4A
		AMEND 6
M38510/00404BAC	MOTA	4A
		AMEND 6
M38510/00404BCA	MOTA	4A
		AMEND 6
M38510/00404BCB	FSC	4A
	MOTA	AMEND 6
	TII	
M38510/00404BDB	TII	4A
		AMEND 6
M38510/00404CAA	MOTA	4A
		AMEND 6
M38510/00404CAB	MOTA	4A
		AMEND 6
M38510/00404CAC	MOTA	4A
		AMEND 6
M38510/00404CCA	MOTA	4A
		AMEND 6
M38510/00404CCB	FSC	4A
	MOTA	AMEND 6
	TII	
M38510/00404CDB	TII	4A
		AMEND 6
M38510/00501BAA	ITT	5A
	MOTA	AMEND 4
	NSC	
M38510/00501BAB	ITT	5A
	MOTA	AMEND 4
M38510/00501BAC	ITT	5A
	MOTA	AMEND 4

TYPE No.	MFRS	MIL-M-38510/
M38510/00501BCA	MOTA	5A
		AMEND 4
M38510/00501BCB	ITT	5A
	MOTA	AMEND 4
	NSC	
	SIC	
	TII	
M38510/00501BCC	ITT	5A
	SIC	AMEND 4
M38510/00501BDB	NSC	5A
	SIC	AMEND 4
	TII	
M38510/00501CAA	ITT	5A
	MOTA	AMEND 4
	NSC	
M38510/00501CAB	ITT	5A
	MOTA	AMEND 4
M38510/00501CAC	ITT	5A
	MOTA	AMEND 4
	NSC	
M38510/00501CCA	MOTA	5A
		AMEND 4
M38510/00501CCB	ITT	5A
	MOTA	AMEND 4
	NSC	
	SIC	
	TII	
M38510/00501CCC	ITT	5A
	SIC	AMEND 4
M38510/00501CDB	NSC	5A
	SIC	AMEND 4
	TII	
M38510/00502BAA	ITT	5A
	MOTA	AMEND 4
	NSC	
M38510/00502BAB	ITT	5A
	MOTA	AMEND 4
M38510/00502BAC	ITT	5A
	MOTA	AMEND 4
	NSC	
M38510/00502BCA	MOTA	5A
		AMEND 4
M38510/00502BCB	ITT	5A
	MOTA	AMEND 4
	NSC	
	SIC	
	TII	
M38510/00502BCC	ITT	5A
		AMEND 4
M38510/00502BDB	NSC	5A
	SIC	AMEND 4
	TII	
M38510/00502BDC	SIC	5A
		AMEND 4
M38510/00502CAA	ITT	5A
	MOTA	AMEND 4
	NSC	
M38510/00502CAB	ITT	5A
	MOTA	AMEND 4
M38510/00502CAC	ITT	5A
	MOTA	AMEND 4
	NSC	
M38510/00502CCA	MOTA	5A
		AMEND 4
M38510/00502CCB	ITT	5A
	MOTA	AMEND 4
	NSC	
	SIC	
	TII	
M38510/00502CCC	ITT	5A
		AMEND 4
M38510/00502CDB	NSC	5A
	SIC	AMEND 4
	TII	
M38510/00502CDC	SIC	5A
		AMEND 4
M38510/00503BAA	ITT	5A
	MOTA	AMEND 4
	NSC	
M38510/00503BAB	ITT	5A
	MOTA	AMEND 4

11A. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/00503BAC		5A
	ITT	AMEND
	MOTA	4
	NSC	
M38510/00503BCA		5A
	MOTA	AMEND
		4
M38510/00503BCB		5A
	ITT	AMEND
	MOTA	4
	NSC	
	SIC	
	TII	
M38510/00503BCC		5A
	ITT	AMEND
		4
M38510/00503BDB		5A
	NSC	AMEND
	SIC	4
	TII	
M38510/00503BDC		5A
	SIC	AMEND
		4
M38510/00503CAA		5A
	ITT	AMEND
	MOTA	4
	NSC	
M38510/00503CAB		5A
	ITT	AMEND
	MOTA	4
M38510/00503CAC		5A
	ITT	AMEND
	MOTA	4
	NSC	
M38510/00503CCA		5A
	MOTA	AMEND
		4
M38510/00503CCB		5A
	ITT	AMEND
	MOTA	4
	NSC	
	SIC	
	TII	
M38510/00503CCC		5A
	ITT	AMEND
		4
M38510/00503CDB		5A
	NSC	AMEND
	SIC	4
	TII	
M38510/00503CDC		5A
	SIC	AMEND
		4
M38510/00504BAA		5A
	ITT	AMEND
	MOTA	4
	NSC	
M38510/00504BAB		5A
	ITT	AMEND
	MOTA	4
M38510/00504BAC		5A
	ITT	AMEND
	MOTA	4
	NSC	
M38510/00504BCA		5A
	MOTA	AMEND
		4
M38510/00504BCB		5A
	ITT	AMEND
	MOTA	4
	NSC	
	SIC	
	TII	
M38510/00504BCC		5A
	ITT	AMEND
		4
M38510/00504BDB		5A
	NSC	AMEND
	SIC	4
	TII	
M38510/00504BDC		5A
	SIC	AMEND
		4
M38510/00504CAA		5A
	ITT	AMEND
	MOTA	4
	NSC	
M38510/00504CAB		5A
	ITT	AMEND
	MOTA	4
M38510/00504CAC		5A
	ITT	AMEND
	MOTA	4
	NSC	
M38510/00504CCA		5A
	MOTA	AMEND
		4
M38510/00504CCB		5A
	ITT	AMEND
	MOTA	4
	NSC	
	SIC	
	TII	
M38510/00504CCC		5A
	ITT	AMEND
		4
M38510/00504CDB		5A
	NSC	AMEND
	SIC	4
	TII	
M38510/00504CDC		5A
	SIC	AMEND
		4
M38510/00601BAA		6B
	ITT	AMEND
	MOTA	1
M38510/00601BAB		6B
	ITT	AMEND
	MOTA	1
M38510/00601BAC		6B
	ITT	AMEND
	MOTA	1
M38510/00601BCA		6B
	MOTA	AMEND
		1
M38510/00601BCB		6B
	ITT	AMEND
	MOTA	1
M38510/00601BCC		6B
	ITT	AMEND
		1
M38510/00601CAA		6B
	ITT	AMEND
	MOTA	1
M38510/00601CAB		6B
	ITT	AMEND
	MOTA	1
M38510/00601CAC		6B
	ITT	AMEND
	MOTA	1
M38510/00601CCA		6B
	MOTA	AMEND
		1
M38510/00601CCB		6B
	ITT	AMEND
	MOTA	1
M38510/00601CCC		6B
	ITT	AMEND
		1
M38510/00602BEB		6B
	ITT	AMEND
	MOTA	1
	TII	
M38510/00602BFB		6B
	SIC	☑
		AMEND
		1
M38510/00602CEB		6B
	ITT	AMEND
	TII	1
M38510/00602CFB		6B
	SIC	☑
		AMEND
		1
M38510/00603BEA		6B
	MOTA	☑
		AMEND
		1
M38510/00603BEB		6B
	MOTA	☑
		AMEND
		1
M38510/00603BFB		6B
	MOTA	☑
		AMEND
		1
M38510/00603CEA		6B
	MOTA	☑
		AMEND
		1
M38510/00603CEB		6B
	MOTA	☑
		AMEND
		1
M38510/00603CFB		6B
	MOTA	☑
		AMEND
		1
M38510/00701BAA		7B
	ITT	
	MOTA	
M38510/00701BAB		7B
	ITT	
	MOTA	
M38510/00701BAC		7B
	FSC	
	ITT	
	MOTA	
M38510/00701BCA		7B
	MOTA	
M38510/00701BCB		7B
	ITT	
	MOTA	
	SIC	
	TII	
M38510/00701BCC		7B
	ITT	
	SIC	
M38510/00701BDB		7B
	SIC	
	TII	
M38510/00701BDC		7B
	SIC	
M38510/00701CAA		7B
	ITT	
	MOTA	
M38510/00701CAB		7B
	ITT	
	MOTA	
M38510/00701CAC		7B
	FSC	
	ITT	
	MOTA	
M38510/00701CCA		7B
	MOTA	
M38510/00701CCB		7B
	ITT	
	MOTA	
	SIC	
	TII	
M38510/00701CCC		7B
	ITT	
	SIC	
M38510/00701CDB		7B
	SIC	
	TII	
M38510/00701CDC		7B
	SIC	
M38510/00801BAA		8B
	ITT	AMEND
	MOTA	1
M38510/00801BAB		8B
	ITT	AMEND
	MOTA	1
M38510/00801BAC		8B
	FSC	AMEND
	ITT	1
	MOTA	
M38510/00801BCA		8B
	MOTA	AMEND
		1
M38510/00801BCB		8B
	ITT	AMEND
	MOTA	1
	TII	
M38510/00801BCC		8B
	ITT	AMEND
		1
M38510/00801BDB		8B
	TII	AMEND
		1
M38510/00801CAA		8B
	ITT	AMEND
	MOTA	1
M38510/00801CAB		8B
	ITT	AMEND
		1
M38510/00801CAC		8B
	FSC	AMEND
	ITT	1
	MOTA	
M38510/00801CCA		8B
	MOTA	AMEND
		1
M38510/00801CCB		8B
	ITT	AMEND
	MOTA	1
	TII	
M38510/00801CCC		8B
	ITT	AMEND
		1
M38510/00801CDB		8B
	TII	AMEND
		1
M38510/00802BAA		8B
	ITT	AMEND
	MOTA	1
M38510/00802BAB		8B
	ITT	AMEND
	MOTA	1
M38510/00802BAC		8B
	FSC	AMEND
	ITT	1
	MOTA	
M38510/00802BCA		8B
	MOTA	AMEND
		1
M38510/00802BCB		8B
	ITT	AMEND
	MOTA	1
	TII	
M38510/00802BCC		8B
	ITT	AMEND
		1
M38510/00802BDB		8B
	TII	AMEND
		1
M38510/00802CAA		8B
	ITT	AMEND
	MOTA	1
M38510/00802CAB		8B
	ITT	AMEND
	MOTA	1
M38510/00802CAC		8B
	FSC	AMEND
	ITT	1
	MOTA	
M38510/00802CCA		8B
	MOTA	AMEND
		1
M38510/00802CCB		8B
	ITT	AMEND
	MOTA	1
	TII	
M38510/00802CCC		8B
	ITT	AMEND
		1
M38510/00802CDB		8B
	TII	AMEND
		1
M38510/00803BAA		8B
	ITT	AMEND
	MOTA	1
M38510/00803BAB		8B
	ITT	AMEND
	MOTA	1
M38510/00803BAC		8B
	FSC	AMEND
	ITT	1
	MOTA	
M38510/00803BCA		8B
	MOTA	AMEND
		1
M38510/00803BCB		8B
	ITT	AMEND
	MOTA	1
	TII	
M38510/00803BCC		8B
	ITT	AMEND
		1
M38510/00803BDB		8B
	TII	AMEND
		1
M38510/00803CAA		8B
	ITT	AMEND
	MOTA	1
M38510/00803CAB		8B
	ITT	AMEND
	MOTA	1
M38510/00803CAC		8B
	FSC	AMEND
	ITT	1
	MOTA	
M38510/00803CCA		8B
	MOTA	AMEND
		1
M38510/00803CCB		8B
	ITT	AMEND
	MOTA	1
	TII	
M38510/00803CCC		8B
	ITT	AMEND
		1
M38510/00803CDB		8B
	TII	AMEND
		1
M38510/00804BAA		8B
	ITT	AMEND
	MOTA	1
M38510/00804BAB		8B
	ITT	AMEND
	MOTA	1
M38510/00804BAC		8B
	FSC	AMEND
	ITT	1
	MOTA	
M38510/00804BCA		8B
	MOTA	AMEND
		1
M38510/00804BCB		8B
	ITT	AMEND
	MOTA	1
	TII	
M38510/00804BCC		8B
	ITT	AMEND
		1
M38510/00804BDB		8B
	TII	AMEND
		1
M38510/00804CAA		8B
	ITT	AMEND
	MOTA	1
M38510/00804CAB		8B
	ITT	AMEND
	MOTA	1
M38510/00804CAC		8B
	FSC	AMEND
	ITT	1
	MOTA	
M38510/00804CCA		8B
	MOTA	AMEND
		1
M38510/00804CCB		8B
	ITT	AMEND
	MOTA	1
	TII	
M38510/00804CCC		8B
	ITT	AMEND
		1
M38510/00804CDB		8B
	TII	AMEND
		1
M38510/01001BEA		10A
	MOTA	AMEND
		1
M38510/01001BEB		10A
	ITT	AMEND
	MOTA	1
	SIC	
M38510/01001BFB		10A
	MOTA	AMEND
	SIC	1
M38510/01001CEA		10A
	MOTA	AMEND
		1
M38510/01001CEB		10A
	ITT	AMEND
	MOTA	1
	SIC	
M38510/01001CFB		10A
	MOTA	AMEND
	SIC	1
M38510/01002BEA		10A
	MOTA	AMEND
		1
M38510/01002BEB		10A
	MOTA	AMEND
	SIC	1
M38510/01002BFB		10A
	MOTA	AMEND
	SIC	1
M38510/01002CEA		10A
	MOTA	AMEND
	SIC	1
M38510/01002CEB		10A
	MOTA	AMEND
	SIC	1
M38510/01002CFB		10A
	MOTA	AMEND
	SIC	1
M38510/01003BEA		10A
	MOTA	AMEND
		1
M38510/01003BEB		10A
	MOTA	AMEND
	SIC	1
M38510/01003BFB		10A
	MOTA	AMEND
	SIC	1
M38510/01003CEA		10A
	MOTA	AMEND
		1
M38510/01003CEB		10A
	MOTA	AMEND
	SIC	1
M38510/01003CFB		10A
	MOTA	AMEND
	SIC	1
M38510/01004BEB		10A
	TII	☑
		AMEND
		1
M38510/01004BFB		10A
	TII	☑
		AMEND
		1
M38510/01004CEB		10A
	TII	☑
		AMEND
		1
M38510/01004CFB		10A
	TII	☑
		AMEND
		1
M38510/01005BEB		10A
	TII	☑
		AMEND
		1
M38510/01005BFB		10A
	TII	☑
		AMEND
		1
M38510/01005CEB		10A
	TII	☑
		AMEND
		1
M38510/01005CFB		10A
	TII	☑
		AMEND
		1
M38510/01006BEB		10A
	SIC	☑
	TII	AMEND
		1
M38510/01006BFB		10A
	SIC	☑
	TII	AMEND
		1
M38510/01006CEB		10A
	SIC	☑
	TII	AMEND
		1
M38510/01006CFB		10A
	SIC	☑
	TII	AMEND
		1
M38510/01007BEB		10A
	SIC	☑
	TII	AMEND
		1
M38510/01007BFB		10A
	SIC	☑
	TII	AMEND
		1
M38510/01007CEB		10A
	SIC	☑
	TII	AMEND
		1
M38510/01007CFB		10A
	SIC	☑
	TII	AMEND
		1
M38510/01008BEA		10A
	MOTA	AMEND
		1
M38510/01008BEB		10A
	MOTA	AMEND
		1
M38510/01008BFB		10A
	MOTA	AMEND
		1
M38510/01008CEA		10A
	MOTA	AMEND
		1
M38510/01008CEB		10A
	MOTA	AMEND
		1

☑ - QPL-38510 PART II (SEE MILITARY DOCUMENTS)
ALL OTHERS LISTED IN PART I.

11A. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/01008CFB	MOTA	10A AMEND 1
M38510/01009BDB	TII	10A ☑ AMEND 1
M38510/01009CDB	TII	10A ☑ AMEND 1
M38510/01101BJC	AMV	11B ☑
M38510/01101BKB	TII	11B ☑
M38510/01101BLB	TII	11B ☑
M38510/01101BZC	AMV	11B ☑
M38510/01101CJC	AMV	11B ☑
M38510/01101CKB	TII	11B ☑
M38510/01101CLB	TII	11B ☑
M38510/01101CZC	AMV	11B ☑
M38510/01102BEB	SIC	11B ☑
M38510/01102BFB	SIC	11B ☑
M38510/01102CEB	SIC	11B ☑
M38510/01102CFB	SIC	11B ☑
M38510/01201BAA	ITT	12A AMEND 1
M38510/01201BAB	ITT	12A AMEND 1
M38510/01201BAC	ITT	12A AMEND 1
M38510/01201BCA	MOTA	12A ☑
M38510/01201BCB	ITT SIC	12A AMEND 1
M38510/01201BCC	ITT	12A AMEND 1
M38510/01201BDB	SIC	12A AMEND 1
M38510/01201CAA	ITT	12A AMEND 1
M38510/01201CAB	ITT	12A AMEND 1
M38510/01201CAC	ITT	12A AMEND 1
M38510/01201CCA	MOTA	12A ☑
M38510/01201CCB	ITT SIC	12A AMEND 1
M38510/01201CCC	ITT	12A AMEND 1
M38510/01201CDB	SIC	12A AMEND 1
M38510/01202BCA	MOTA	12A ☑ AMEND 1
M38510/01202BCB	MOTA	12A ☑ AMEND 1
M38510/01202CCA	MOTA	12A ☑ AMEND 1
M38510/01202CCB	MOTA	12A ☑ AMEND 1
M38510/01203BEA	MOTA	12A ☑ AMEND 1
M38510/01203BEB	SIC	12A AMEND 1
M38510/01203BEC	AMV	12A ☑ AMEND 1
M38510/01203BFB	AMV SIC	12A AMEND 1
M38510/01203BFC	AMV	12A ☑ AMEND 1
M38510/01203CEA	MOTA	12A ☑ AMEND 1
M38510/01203CEB	SIC	12A AMEND 1
M38510/01203CEC	AMV	12A ☑ AMEND 1
M38510/01203CFB	AMV SIC	12A AMEND 1
M38510/01203CFC	AMV	12A ☑ AMEND 1
M38510/01301BAA	MOTA	13A
M38510/01301BAB	MOTA	13A
M38510/01301BAC	MOTA	13A
M38510/01301BCA	MOTA	13A
M38510/01301BCB	ITT MOTA	13A
M38510/01301BCC	ITT	13A
M38510/01301CAA	MOTA	13A
M38510/01301CAB	MOTA	13A
M38510/01301CAC	MOTA	13A
M38510/01301CCA	MOTA	13A
M38510/01301CCB	ITT MOTA	13A
M38510/01301CCC	ITT	13A
M38510/01302BAA	MOTA	13A
M38510/01302BAB	MOTA	13A
M38510/01302BAC	MOTA	13A
M38510/01302BCA	MOTA	13A
M38510/01302BCB	ITT SIC	13A
M38510/01302BCC	ITT	13A
M38510/01302CAA	MOTA	13A
M38510/01302CAB	MOTA	13A
M38510/01302CAC	MOTA	13A
M38510/01302CCA	MOTA	13A
M38510/01302CCB	ITT SIC	13A
M38510/01302CCC	ITT	13A
M38510/01303BEB	AMV SIC	13A
M38510/01303BFB	AMV SIC TII	13A
M38510/01303CEB	AMV SIC	13A
M38510/01303CFB	AMV SIC TII	13A
M38510/01304BEB	AMV SIC	13A
M38510/01304BFB	AMV SIC TII	13A
M38510/01304CEB	AMV SIC	13A
M38510/01304CFB	AMV SIC TII	13A
M38510/01305BEB	AMV SIC	13A
M38510/01305BFB	AMV SIC TII	13A
M38510/01305CEB	AMV SIC	13A
M38510/01305CFB	AMV SIC TII	13A
M38510/01306BEB	AMV SIC	13A
M38510/01306BFB	AMV SIC TII	13A
M38510/01306CEB	AMV SIC	13A
M38510/01306CFB	AMV SIC TII	13A
M38510/01307BCA	MOTA	13A
M38510/01307BCB	MOTA	13A
M38510/01307CCA	MOTA	13A
M38510/01307CCB	MOTA	13A
M38510/01401BJC	SIC	14B ☑ USAF
M38510/01401BLB	TII	14B ☑ USAF
M38510/01401BZC	SIC	14B ☑ USAF
M38510/01401CJC	SIC	14B ☑ USAF
M38510/01401CLB	TII	14B ☑ USAF
M38510/01401CZC	SIC	14B ☑ USAF
M38510/01402BEA	MOTA	14B USAF
M38510/01402BEB	ITT MOTA	14B USAF
M38510/01402BEC	ITT	14B ☑ USAF
M38510/01402BFB	MOTA	14B USAF
M38510/01402BFC	AMV	14B
M38510/01402CEA	MOTA	14B
M38510/01402CEB	ITT MOTA	14B
M38510/01402CEC	ITT	14B ☑ USAF
M38510/01402CFB	MOTA	14B
M38510/01402CFC	AMV	14B
M38510/01403BEA	MOTA	14B
M38510/01403BEB	MOTA	14A ☑ AMEND 1 USAF
M38510/01403BFB	MOTA	14B
M38510/01403CEA	MOTA	14B
M38510/01403CEB	MOTA	14B
M38510/01403CFB	MOTA	14B
M38510/01404BEA	MOTA	14B
M38510/01404BEB	ITT MOTA SIC	14B
M38510/01404BEC	ITT	14B ☑ USAF
M38510/01404BFB	MOTA	14B
M38510/01404BFC	AMV	14B
M38510/01404CEA	MOTA	14B
M38510/01404CEB	ITT MOTA	14B
M38510/01404CEC	ITT	14B ☑ USAF
M38510/01404CFB	MOTA	14B
M38510/01404CFC	AMV	14B
M38510/01405BEA	MOTA	14B
M38510/01405BEB	ITT MOTA	14B
M38510/01405BEC	ITT	14B ☑ USAF
M38510/01405BFB	AMV MOTA	14B
M38510/01405BFC	AMV	14B
M38510/01405CEA	MOTA	14B
M38510/01405CEB	ITT MOTA	14B
M38510/01405CEC	ITT	14B ☑ USAF
M38510/01405CFB	MOTA	14B USAF
M38510/01405CFC	AMV	14B USAF
M38510/01501BEA	MOTA	15 ☑ AMEND 2 USAF
M38510/01501BEB	MOTA SIC	15 ☑ AMEND 2 USAF
M38510/01501BFB	MOTA SIC	15 ☑ AMEND 2 USAF
M38510/01501CEA	MOTA	15 ☑ AMEND 2 USAF
M38510/01501CEB	MOTA SIC	15 ☑ AMEND 2 USAF
M38510/01501CFB	MOTA SIC	15 ☑ AMEND 2 USAF
M38510/01502BAA	MOTA	15 ☑ AMEND 2 USAF
M38510/01502BAB	MOTA	15 ☑ AMEND 2 USAF
M38510/01502BAC	MOTA	15 ☑ AMEND 2 USAF
M38510/01502BCA	MOTA	15 ☑ AMEND 2 USAF
M38510/01502BCB	MOTA	15 ☑ AMEND 2 USAF
M38510/01502BCC	MOTA	15 ☑ AMEND 2 USAF
M38510/01502BDB	SIC	15 AMEND 2 USAF
M38510/01502CAA	MOTA	15 ☑ AMEND 2 USAF
M38510/01502CAB	MOTA	15 ☑ AMEND 2 USAF
M38510/01502CAC	MOTA	15 ☑ AMEND 2 USAF
M38510/01502CCA	MOTA	15 ☑ AMEND 2 USAF
M38510/01502CCB	MOTA	15 ☑ AMEND 2 USAF
M38510/01502CCC	MOTA	15 ☑ AMEND 2 USAF
M38510/01502CDB	SIC	15 AMEND 2 USAF
M38510/01601BAA	MOTA	16 AMEND 1 USAF
M38510/01601BAB	MOTA	16 AMEND 1 USAF
M38510/01601BAC	MOTA	16 AMEND 1 USAF
M38510/01601BCA	MOTA	16 AMEND 1 USAF
M38510/01601BCB	FSC MOTA SIC	16 AMEND 1 USAF
M38510/01601BDB	SIC	16 AMEND 1 USAF
M38510/01601CAA	MOTA	16 AMEND 1 USAF
M38510/01601CAB	MOTA	16 AMEND 1 USAF
M38510/01601CAC	MOTA	16 AMEND 1 USAF
M38510/01601CCA	MOTA	16 AMEND 1 USAF
M38510/01601CCB	FSC MOTA SIC	16 AMEND 1 USAF
M38510/01601CDB	SIC	16 AMEND 1 USAF
M38510/01602BAA	MOTA	16 AMEND 1 USAF
M38510/01602BAB	MOTA	16 AMEND 1 USAF
M38510/01602BAC	MOTA	16 AMEND 1 USAF
M38510/01602BCA	MOTA	16 AMEND 1 USAF
M38510/01602BCB	MOTA SIC TII	16 AMEND 1 USAF
M38510/01602BDB	SIC	16 AMEND 1 USAF
M38510/01602CAA	MOTA	16 AMEND 1 USAF
M38510/01602CAB	MOTA	16 AMEND 1 USAF
M38510/01602CAC	MOTA	16 AMEND 1 USAF
M38510/01602CCA	MOTA	16 AMEND 1 USAF
M38510/01602CCB	MOTA SIC	16 AMEND 1 USAF
M38510/01602CDB	SIC	16 AMEND 1 USAF
M38510/02001BAA	NSC	20A AMEND 1
M38510/02001BAC	NSC	20A AMEND 1
M38510/02001BCB	NSC	20A AMEND 1
M38510/02001BDB	NSC	20A AMEND 1
M38510/02001CAA	NSC	20A AMEND 1
M38510/02001CAC	NSC	20A AMEND 1
M38510/02001CCB	NSC	20A AMEND 1
M38510/02001CDB	NSC	20A AMEND 1
M38510/02002BAA	NSC	20A AMEND 1
M38510/02002BAC	NSC	20A AMEND 1

☑ - QPL-38510 PART II (SEE MILITARY DOCUMENTS) ALL OTHERS LISTED IN PART I.

11A. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/02002BCB	NSC	20A AMEND 1
M38510/02002BDB	NSC	20A AMEND 1
M38510/02002CAA	NSC	20A AMEND 1
M38510/02002CAC	NSC	20A AMEND 1
M38510/02002CCB	NSC	20A AMEND 1
M38510/02002CDB	NSC	20A AMEND 1
M38510/02003BAA	NSC	20A AMEND 1
M38510/02003BAC	NSC	20A AMEND 1
M38510/02003BCB	NSC	20A AMEND 1
M38510/02003BDB	NSC	20A AMEND 1
M38510/02003CAA	NSC	20A AMEND 1
M38510/02003CAC	NSC	20A AMEND 1
M38510/02003CCB	NSC	20A AMEND 1
M38510/02003CDB	NSC	20A AMEND 1
M38510/02004BAA	NSC	20A AMEND 1
M38510/02004BAC	NSC	20A AMEND 1
M38510/02004BCB	NSC	20A AMEND 1
M38510/02004BDB	NSC	20A AMEND 1
M38510/02004CAA	NSC	20A AMEND 1
M38510/02004CAC	NSC	20A AMEND 1
M38510/02004CCB	NSC	20A AMEND 1
M38510/02004CDB	NSC	20A AMEND
M38510/02005BAA	NSC	20A AMEND 1
M38510/02005BAC	NSC	20A AMEND 1
M38510/02005BCB	NSC	20A AMEND 1
M38510/02005CAA	NSC	20A AMEND 1
M38510/02005CAC	NSC	20A AMEND 1
M38510/02005CCB	NSC	20A AMEND 1
M38510/02006BCB	NSC	20A AMEND 1
M38510/02006CCB	NSC	20A AMEND 1
M38510/02101BAA	NSC	21A AMEND 2
M38510/02101BAC	NSC	21A AMEND 2
M38510/02101BCB	NSC	21A AMEND 2
M38510/02101CAA	NSC	21A AMEND 2
M38510/02101CAC	NSC	21A AMEND 2
M38510/02101CCB	NSC	21A AMEND 2
M38510/02102BAA	NSC	21A AMEND 2
M38510/02102BAC	NSC	21A AMEND 2
M38510/02102BCB	NSC	21A AMEND 2
M38510/02102CAA	NSC	21A AMEND 2
M38510/02102CAC	NSC	21A AMEND 2
M38510/02102CCB	NSC	21A AMEND 2
M38510/02103BAA	NSC	21A AMEND 2
M38510/02103BAC	NSC	21A AMEND 2
M38510/02103CAA	NSC	21A AMEND 2
M38510/02103CAC	NSC	21A AMEND 2
M38510/02104BAA	NSC	21A AMEND 2
M38510/02104BAC	NSC	21A AMEND 2
M38510/02104CAA	NSC	21A AMEND 2
M38510/02104CAC	NSC	21A AMEND 2
M38510/02105BAA	NSC	21A AMEND 2
M38510/02105BAC	NSC	21A AMEND 2
M38510/02105BCB	NSC	21A AMEND 2
M38510/02105CAA	NSC	21A AMEND 2
M38510/02105CAC	NSC	21A AMEND 2
M38510/02105CCB	NSC	21A AMEND 2
M38510/02201BAA	MOTA ☑	22A
M38510/02201BAB	MOTA ☑	22A
M38510/02201BAC	MOTA ☑	22A
M38510/02201BCA	MOTA ☑	22A
M38510/02201BCB	MOTA SIC	22A
M38510/02201BDB	SIC	22A
M38510/02201CAA	MOTA ☑	22A
M38510/02201CAB	MOTA ☑	22A
M38510/02201CAC	MOTA ☑	22A
M38510/02201CCA	MOTA	22A
M38510/02201CCB	MOTA SIC	22A
M38510/02201CDB	SIC	22A
M38510/02202BCA	MOTA ☑	22A
M38510/02202BCB	SIC	22A
M38510/02202BDB	SIC	22A
M38510/02202CCB	SIC	22A
M38510/02202CDB	SIC	22A
M38510/02203BCB	SIC	22A
M38510/02203BDB	SIC	22A
M38510/02203CCB	SIC	22A
M38510/02203CDB	SIC	22A
M38510/02204BEB	SIC TII	22A
M38510/02204BFB	SIC TII	22A
M38510/02204CEB	SIC TII	22A
M38510/02204CFB	SIC TII	22A
M38510/02205BCA	MOTA ☑	22A
M38510/02205BCB	MOTA ☑	22A
M38510/02205BDB	SIC	22A
M38510/02205CCA	MOTA ☑	22A
M38510/02205CCB	MOTA ☑ SIC	22A
M38510/02205CDB	SIC	22A
M38510/02206BCA	MOTA ☑	22A
M38510/02206BCB	MOTA ☑ SIC	22A
M38510/02206BDB	SIC ☑	22A
M38510/02206CCA	MOTA ☑	22A
M38510/02206CCB	MOTA ☑ SIC	22A
M38510/02206CDB	SIC ☑	22A
M38510/02301BAA	ITT MOTA	23A AMEND 1
M38510/02301BAB	ITT MOTA	23A AMEND 1
M38510/02301BAC	FSC ITT MOTA SIC TII	23A AMEND 1
M38510/02301BCA	MOTA	23A AMEND 1
M38510/02301BCB	FSC ITT MOTA SIC TII	23A AMEND 1
M38510/02301BCC	ITT SIC	23A AMEND 1
M38510/02301BDB	SIC TII	23A AMEND 1
M38510/02301BDC	SIC	23A AMEND 1
M38510/02301CAA	ITT MOTA	23A AMEND 1
M38510/02301CAB	ITT MOTA	23A AMEND 1
M38510/02301CAC	FSC ITT MOTA	23A AMEND 1
M38510/02301CCA	MOTA	23A AMEND 1
M38510/02301CCB	FSC ITT MOTA SIC TII	23A AMEND 1
M38510/02301CCC	ITT SIC	23A AMEND 1
M38510/02301CDB	SIC TII	23A AMEND 1
M38510/02301CDC	SIC	23A AMEND 1
M38510/02302BAA	ITT ☑ MOTA	23A AMEND 1
M38510/02302BAB	ITT ☑ MOTA	23A AMEND 1
M38510/02302BAC	ITT ☑ MOTA	23A AMEND 1
M38510/02302BCA	MOTA	23A AMEND 1
M38510/02302BCB	FSC MOTA SIC TII	23A AMEND 1
M38510/02302BDB	SIC	23A AMEND 1
M38510/02302BDC	SIC	23A AMEND 1
M38510/02302CAA	MOTA	23A AMEND 1
M38510/02302CAB	MOTA	23A AMEND 1
M38510/02302CAC	ITT MOTA	23A AMEND 1
M38510/02302CCA	MOTA	23A AMEND 1
M38510/02302CCB	FSC MOTA	23A AMEND 1
M38510/02302CDB	SIC	23A AMEND 1
M38510/02302CDC	SIC	23A AMEND 1
M38510/02303BAA	MOTA	23A AMEND 1
M38510/02303BAB	MOTA	23A AMEND 1
M38510/02303BAC	MOTA	23A AMEND 1
M38510/02303BCA	MOTA	23A AMEND 1
M38510/02303BCB	FSC MOTA SIC TII	23A AMEND 1
M38510/02303BCC	SIC	23A AMEND 1
M38510/02303BDB	SIC	23A AMEND 1
M38510/02303BDC	SIC	23A AMEND 1
M38510/02303CAA	MOTA	23A AMEND 1
M38510/02303CAB	MOTA	23A AMEND 1
M38510/02303CAC	MOTA	23A AMEND 1
M38510/02303CCA	MOTA	23A AMEND 1
M38510/02303CCB	FSC MOTA SIC TII	23A AMEND 1
M38510/02303CCC	SIC	23A AMEND 1
M38510/02303CDB	SIC	23A AMEND 1
M38510/02303CDC	SIC	23A AMEND 1
M38510/02304BAA	MOTA	23A AMEND 1
M38510/02304BAB	MOTA	23A AMEND 1
M38510/02304BAC	MOTA	23A AMEND 1
M38510/02304BCA	MOTA	23A AMEND 1
M38510/02304BCB	FSC MOTA SIC TII	23A AMEND 1
M38510/02304BCC	SIC	23A AMEND 1
M38510/02304BDB	SIC	23A AMEND 1
M38510/02304BDC	SIC	23A AMEND 1
M38510/02304CAA	MOTA	23A AMEND 1
M38510/02304CAB	MOTA	23A AMEND 1
M38510/02304CAC	MOTA	23A AMEND 1
M38510/02304CCA	MOTA	23A AMEND 1
M38510/02304CCB	FSC MOTA SIC TII	23A AMEND 1
M38510/02304CCC	SIC	23A AMEND 1
M38510/02304CDB	SIC	23A AMEND 1
M38510/02304CDC	SIC	23A AMEND 1
M38510/02305BAA	MOTA	23A AMEND 1
M38510/02305BAB	MOTA	23A AMEND 1
M38510/02305BAC	FSC MOTA	23A AMEND 1
M38510/02305BCA	MOTA	23A AMEND 1
M38510/02305BCB	FSC MOTA SIC TII	23A AMEND 1
M38510/02305BCC	SIC	23A AMEND 1
M38510/02305BDB	SIC TII	23A AMEND 1
M38510/02305CAA	MOTA	23A AMEND 1
M38510/02305CAB	MOTA	23A AMEND 1
M38510/02305CAC	FSC MOTA	23A AMEND 1
M38510/02305CCA	MOTA	23A AMEND 1
M38510/02305CCB	FSC MOTA SIC TII	23A AMEND 1
M38510/02305CCC	SIC	23A AMEND 1
M38510/02305CDB	SIC TII	23A AMEND 1
M38510/02306BCA	MOTA	23A AMEND 1
M38510/02306BCB	MOTA SIC TII	23A AMEND 1
M38510/02306BDB	TII	23A ☑ AMEND 1
M38510/02306CCA	MOTA	23A AMEND 1
M38510/02306CCB	MOTA SIC TII	23A AMEND 1
M38510/02306CDB	TII	23A ☑ AMEND 1
M38510/02307BCA	MOTA	23A AMEND 1
M38510/02307BCB	MOTA SIC TII	23A AMEND 1
M38510/02307CCA	MOTA	23A AMEND 1
M38510/02307CCB	MOTA SIC TII	23A AMEND 1
M38510/02401BAA	MOTA	24 AMEND 2
M38510/02401BAB	MOTA	24 AMEND 2
M38510/02401BAC	MOTA	24 AMEND 2
M38510/02401BDB	SIC	24 ☑ AMEND 2

☑ - QPL—38510 PART II (SEE MILITARY DOCUMENTS) ALL OTHERS LISTED IN PART I.

11A. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/02401CAA	MOTA	24 ☑ AMEND 2
M38510/02401CAB	MOTA	24 AMEND 2
M38510/02401CAC	MOTA	24 AMEND 2
M38510/02401CDB	SIC	24 ☑ AMEND 2
M38510/02701BAA	NSC	27 ☑ AMEND 2
	USAF	
M38510/02701BAC	NSC	27 ☑ AMEND 2
	USAF	
M38510/02701BCB	NSC	27 ☑ AMEND 2
	USAF	
M38510/02701BDB	NSC	27 ☑ AMEND 2
	USAF	
M38510/02701CAA	NSC	27 ☑ AMEND 2
	USAF	
M38510/02701CAC	NSC	27 ☑ AMEND 2
	USAF	
M38510/02701CCB	NSC	27 ☑ AMEND 2
	USAF	
M38510/02701CDB	NSC	27 ☑ AMEND 2
	USAF	
M38510/03001BAA	ITT	30
M38510/03001BAB	ITT	30
M38510/03001BAC	ITT	30
M38510/03001BCB	FSC ITT	30
M38510/03001BCC	ITT	30
M38510/03001CAA	ITT	30
M38510/03001CAB	ITT	30
M38510/03001CAC	ITT	30
M38510/03001CCB	FSC ITT	30
M38510/03001CCC	ITT	30
M38510/03002BAA	ITT	30
M38510/03002BAB	ITT	30
M38510/03002BAC	ITT	30
M38510/03002BCB	ITT	30
M38510/03002BCC	ITT	30
M38510/03002CAA	ITT	30
M38510/03002CAB	ITT	30
M38510/03002CAC	ITT	30
M38510/03002CCB	ITT	30
M38510/03002CCC	ITT	30
M38510/03003BAA	ITT	30
M38510/03003BAB	ITT	30
M38510/03003BAC	ITT	30
M38510/03003BCB	ITT	30
M38510/03003BCC	ITT	30
M38510/03003CAA	ITT	30
M38510/03003CAB	ITT	30
M38510/03003CAC	ITT	30
M38510/03003CCB	ITT	30
M38510/03003CCC	ITT	30
M38510/03004BAA	ITT	30
M38510/03004BAB	ITT	30
M38510/03004BAC	ITT	30
M38510/03004BCB	FSC ITT	30
M38510/03004BCC	ITT	30
M38510/03004CAA	ITT	30
M38510/03004CAB	ITT	30
M38510/03004CAC	ITT	30
M38510/03004CCB	FSC ITT	30
M38510/03004CCC	ITT	30
M38510/03005BAA	ITT	30
M38510/03005BAB	ITT	30
M38510/03005BAC	ITT	30
M38510/03005BCB	FSC ITT	30
M38510/03005BCC	ITT	30
M38510/03005CAA	ITT	30
M38510/03005CAB	ITT	30
M38510/03005CAC	ITT	30
M38510/03005CCB	FSC ITT	30
M38510/03005CCC	ITT	30
M38510/04001BCB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04001BDB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04001CCB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04001CDB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04002BCB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04002BDB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04002CCB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04002CDB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04003BCB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04003BDB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04003CCB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04003CDB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04004BCB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04004BDB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04005BCB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04005BDB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04005CCB	SIC TII	40 ☑ AMEND 4 USAF
M38510/04005CDB	SIC TII	40 ☑ AMEND 4 USAF
M38510/05001ACA	RCA	50B ☑ AMEND 1
M38510/05001ADA	RCA	50B ☑ AMEND 1
M38510/05001BCA	RCA	50B ☑ AMEND 1
M38510/05001BDA	RCA	50B ☑ AMEND 1
M38510/05001CCA	RCA	50B ☑ AMEND 1
M38510/05001CDA	RCA	50B ☑ AMEND 1
M38510/05002ACA	RCA	50B ☑ AMEND 1
M38510/05002ADA	RCA	50B ☑ AMEND 1
M38510/05002BCA	RCA	50B ☑ AMEND 1
M38510/05002BDA	RCA	50B ☑ AMEND 1
M38510/05002CCA	RCA	50B ☑ AMEND 1
M38510/05002CDA	RCA	50B ☑ AMEND 1
M38510/05003ACA	RCA	50B ☑ AMEND 1
M38510/05003ADA	RCA	50B ☑ AMEND 1
M38510/05003BCA	RCA	50B ☑ AMEND 1
M38510/05003BDA	RCA	50B ☑ AMEND 1
M38510/05003CCA	RCA	50B ☑ AMEND 1
M38510/05003CDA	RCA	50B ☑ AMEND 1
M38510/05101ACA	RCA	51A ☑ AMEND 2 NASA
M38510/05101ADA	RCA	51A ☑ AMEND 2 NASA
M38510/05101BCA	RCA	51A ☑ AMEND 2 NASA
M38510/05101BDA	RCA	51A ☑ AMEND 2 NASA
M38510/05101CCA	RCA	51A ☑ AMEND 2 NASA
M38510/05101CDA	RCA	51A ☑ AMEND 2 NASA
M38510/05102AEA	RCA	51A ☑ AMEND 2 NASA
M38510/05102AFA	RCA	51A ☑ AMEND 2 NASA
M38510/05102BEA	RCA	51A ☑ AMEND 2 NASA
M38510/05102BFA	RCA	51A ☑ AMEND 2 NASA
M38510/05102CEA	RCA	51A ☑ AMEND 2 NASA
M38510/05102CFA	RCA	51A ☑ AMEND 2 NASA
M38510/05201ACA	RCA	52A ☑ AMEND 1
M38510/05201ADA	RCA	52A ☑ AMEND 1
M38510/05201BCA	RCA	52A ☑ AMEND 1
M38510/05201BDA	RCA	52A ☑ AMEND 1
M38510/05201CCA	RCA	52A ☑ AMEND 1
M38510/05201CDA	RCA	52A ☑ AMEND 1
M38510/05202ACA	RCA	52A ☑ AMEND 1
M38510/05202ADA	RCA	52A ☑ AMEND 1
M38510/05202BCA	RCA	52A ☑ AMEND 1
M38510/05202BDA	RCA	52A ☑ AMEND 1
M38510/05202CCA	RCA	52A ☑ AMEND 1
M38510/05202CDA	RCA	52A ☑ AMEND 1
M38510/05203ACA	RCA	52A ☑ AMEND 1
M38510/05203ADA	RCA	52A ☑ AMEND 1
M38510/05203BCA	RCA	52A ☑ AMEND 1
M38510/05203BDA	RCA	52A ☑ AMEND 1
M38510/05203CCA	RCA	52A ☑ AMEND 1
M38510/05203CDA	RCA	52A ☑ AMEND 1
M38510/05204ACA	RCA	52A ☑ AMEND 1
M38510/05204ADA	RCA	52A ☑ AMEND 1
M38510/05204BCA	RCA	52A ☑ AMEND 1
M38510/05204BDA	RCA	52A ☑ AMEND 1
M38510/05204CCA	RCA	52A ☑ AMEND 1
M38510/05204CDA	RCA	52A ☑ AMEND 1
M38510/05301ACA	RCA	53A ☑
M38510/05301ADA	RCA	53A ☑
M38510/05301BCA	RCA	53A ☑
M38510/05301BDA	RCA	53A ☑
M38510/05301CCA	RCA	53A ☑
M38510/05301CDA	RCA	53A ☑
M38510/05302AEA	RCA	53A ☑
M38510/05302AFA	RCA	53A
M38510/05302BEA	RCA	53A ☑
M38510/05302BFA	RCA	53A
M38510/05302CEA	RCA	53A ☑
M38510/05302CFA	RCA	53A
M38510/05501AEA	RCA	55A ☑ NASA
M38510/05501AFA	RCA	55A ☑ NASA
M38510/05501BEA	RCA	55A ☑ NASA
M38510/05501BFA	RCA	55A ☑ NASA
M38510/05501CEA	RCA	55A ☑ NASA
M38510/05501CFA	RCA	55A ☑ NASA
M38510/05502AEA	RCA	55A ☑ NASA
M38510/05502AFA	RCA	55A ☑ NASA
M38510/05502BEA	RCA	55A ☑ NASA
M38510/05502BFA	RCA	55A ☑ NASA
M38510/05502CEA	RCA	55A ☑ NASA
M38510/05502CFA	RCA	55A ☑ NASA
M38510/05503AEA	RCA	55A ☑ NASA
M38510/05503AFA	RCA	55A ☑ NASA
M38510/05503BEA	RCA	55A ☑ NASA
M38510/05503BFA	RCA	55A ☑ NASA
M38510/05503CEA	RCA	55A ☑ NASA
M38510/05503CFA	RCA	55A ☑ NASA

☑ - QPL—38510 PART II (SEE MILITARY DOCUMENTS)
ALL OTHERS LISTED IN PART I.

11A. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/05504AEA	RCA	55A ☑ NASA
M38510/05504AFA	RCA	55A ☑ NASA
M38510/05504BEA	RCA	55A ☑ NASA
M38510/05504BFA	RCA	55A ☑ NASA
M38510/05504CEA	RCA	55A ☑ NASA
M38510/05504CFA	RCA	55A ☑ NASA
M38510/05601AEA	RCA	56A ☑ AMEND 1 NASA
M38510/05601AFA	RCA	56A ☑ AMEND 1 NASA
M38510/05601BEA	RCA	56A ☑ AMEND 1 NASA
M38510/05601BFA	RCA	56A ☑ AMEND 1 NASA
M38510/05601CEA	RCA	56A ☑ AMEND 1 NASA
M38510/05601CFA	RCA	56A ☑ AMEND 1 NASA
M38510/05602AEA	RCA	56A ☑ AMEND 1 NASA
M38510/05602AFA	RCA	56A ☑ AMEND 1 NASA
M38510/05602BEA	RCA	56A ☑ AMEND 1 NASA
M38510/05602BFA	RCA	56A ☑ AMEND 1 NASA
M38510/05602CEA	RCA	56A ☑ AMEND 1 NASA
M38510/05602CFA	RCA	56A ☑ AMEND 1 NASA
M38510/05603AEA	RCA	56A ☑ AMEND 1 NASA
M38510/05603AFA	RCA	56A ☑ AMEND 1 NASA
M38510/05603BEA	RCA	56A ☑ AMEND 1 NASA
M38510/05603BFA	RCA	56A ☑ AMEND 1 NASA
M38510/05603CEA	RCA	56A ☑ AMEND 1 NASA
M38510/05603CFA	RCA	56A ☑ AMEND 1 NASA
M38510/05604AEA	RCA	56A ☑ AMEND 1 NASA
M38510/05604AFA	RCA	56A ☑ AMEND 1 NASA
M38510/05604BEA	RCA	56A ☑ AMEND 1 NASA
M38510/05604BFA	RCA	56A ☑ AMEND 1 NASA
M38510/05604CEA	RCA	56A ☑ AMEND 1 NASA
M38510/05604CFA	RCA	56A ☑ AMEND 1 NASA
M38510/05605ACA	RCA	56A ☑ AMEND 1 NASA
M38510/05605ADA	RCA	56A ☑ AMEND 1 NASA
M38510/05605BCA	RCA	56A ☑ AMEND 1 NASA
M38510/05605BDA	RCA	56A ☑ AMEND 1 NASA
M38510/05605CCA	RCA	56A ☑ AMEND 1 NASA
M38510/05605CDA	RCA	56A ☑ AMEND 1 NASA
M38510/07001BCB	SIC	70 ☑ AMEND 1 USAF
M38510/07001BDB	SIC	70 ☑ AMEND 1 USAF
M38510/07001CCB	SIC	70 ☑ AMEND 1 USAF
M38510/07001CDB	SIC	70 ☑ AMEND 1 USAF
M38510/10401BCB	TII	104 ☑ AMEND 1 USAF
M38510/10401CCB	TII	104 ☑ AMEND 1 USAF
M38510/10402BCB	TII	104 ☑ AMEND 1 USAF
M38510/10402CCB	TII	104 ☑ AMEND 1 USAF
M38510/10403BEA	FSC	104 ☑ AMEND 1 USAF
M38510/10403BEB	AMV FSC	104 ☑ AMEND 1 USAF
M38510/10403BEC	AMV	104 ☑ AMEND 1 USAF
M38510/10403BFA	FSC	104 ☑ AMEND 1 USAF
M38510/10403BFB	AMV FSC	104 ☑ AMEND 1 USAF
M38510/10403BFC	AMV FSC	104 ☑ AMEND 1 USAF
M38510/10403CEA	FSC	104 ☑ AMEND 1 USAF
M38510/10403CEB	AMV FSC	104 ☑ AMEND 1 USAF
M38510/10403CEC	AMV	104 ☑ AMEND 1 USAF
M38510/10403CFA	FSC	104 ☑ AMEND 1 USAF
M38510/10403CFB	AMV FSC	104 ☑ AMEND 1 USAF
M38510/10403CFC	AMV FSC	104 ☑ AMEND 1 USAF
M38510/10404BEA	FSC	104 ☑ AMEND 1 USAF
M38510/10404BEB	AMV FSC TII	104 ☑ AMEND 1 USAF
M38510/10404BEC	AMV	104 ☑ AMEND 1 USAF
M38510/10404BFA	FSC	104 ☑ AMEND 1 USAF
M38510/10404BFB	FSC	104 ☑ AMEND 1 USAF
M38510/10404BFC	FSC	104 ☑ AMEND 1 USAF
M38510/10404CEA	FSC	104 ☑ AMEND 1 USAF
M38510/10404CEB	AMV FSC TII	104 ☑ AMEND 1 USAF
M38510/10404CEC	AMV	104 ☑ AMEND 1 USAF
M38510/10404CFA	FSC	104 ☑ AMEND 1 USAF
M38510/10404CFB	AMV FSC	104 ☑ AMEND 1 USAF
M38510/10404CFC	FSC	104 AMEND 1 USAF
M38510/10405BEB	TII	104 ☑ AMEND 1 USAF
M38510/10405CEB	TII	104 ☑

MILITARY DOCUMENTS

Department of Defense Index of Specifications and Standards dated 1 July 1972, Supplement dated 1 May 1973.

Device Manufacturers Qualifications on Test Reference Letter.

MIL-M-38510B (USAF) Military Specification, General Specification for Microcircuits, dated 1 October 1973, Supplement 1, 15 October 1973, used in lieu of MIL-M-38510A Military Specification, dated 3 July 1972, Supplement 1F, dated 18 June 1975, and Amendment 2, dated 10 July 1974.

QPL-38510-20 Qualified Products List (Part I) of Products Qualified Under Military Specification MIL-M-38510, dated 20 August 1975. Qualified Products List (Part II) of Products Qualified Under Military Specification MIL-M-38510, dated 20 August 1975. These products are considered qualified products. Therefore, manufacturers listed on QPL-38510 shall "JAN" mark and ship the specific part numbered devices for which they are listed, providing all required quality conformance inspections have been successfully completed. They have not been subjected to all the tests required for qualification under the latest effective issue of MIL-M-38510; however, the manufacturers have performed sufficient similar tests to indicate that the products have the potential of complying with the MIL-M-38510 requirements.

MIL-STD-883A Military Standard; Test Methods and Procedures for Microelectronics, dated 15 November 1974.

MIL-STD-1562 Military Standard; List of Standard Microcircuits, dated 5 November 1974.

NOTE: The 3-letter suffix at the end of the type number represents device class (degree of quality assurance testing), case outline and lead material finish as shown below:

Example: M38510/00101XXX

device class	case outline	lead material and finish

Only types with actual sources of supply are listed in this edition.

☑ - QPL-38510 PART II (SEE MILITARY DOCUMENTS) ALL OTHERS LISTED IN PART I.

11B. COMMERCIAL-TO-MILITARY TYPE NUMBER CROSS-REFERENCE

COMMERCIAL TYPE No.	MILITARY TYPE No.
930	M38510/03001----
935	M38510/03002----
936	M38510/03003----
940	M38510/03002----
946	M38510/03004----
962	M38510/03005----
3121	M38510/00701----
4000A	M38510/05201----
4001A	M38510/05202----
4002A	M38510/05203----
4007A	M38510/05301----
4008A	M38510/05401----
4009A	M38510/05501----
4010A	M38510/05502----
4011A	M38510/05001----
4012A	M38510/05002----
4013A	M38510/05101----
4017A	M38510/05601----
4018A	M38510/05602----
5019A	M38510/05302----
4020A	M38510/05603----
4022A	M38510/05604----
4023A	M38510/05003----
4024A	M38510/05605----
4025A	M38510/05204----
4027A	M38510/05102----
4049A	M38510/05503----
4050A	M38510/05504----
5400	M38510/00104----
54H00	M38510/02304----
54L00	M38510/02004----
54S00	M38510/07001----
5401	M38510/00107----
54L01	M38510/02006----
54H01	M38510/02306----
5402	M38510/00401----
54L02	M38510/02701----
5403	M38510/00109----
54L03	M38510/02006----
5404	M38510/00105----
54H04	M38510/02305----
54L04	M38510/02005----
5405	M38510/00108----
5406	M38510/00801----
5407	M38510/00803----
5408	M38510/01601----
5409	M38510/01602----
5410	M38510/00103----
54H10	M38510/02303----
54L10	M38510/02003----
5412	M38510/00106----
5416	M38510/00802----
5417	M38510/00804----
5420	M38510/00102----
54H20	M38510/02302----
54L20	M38510/02002----
54H22	M38510/02307----
5423	M38510/00402----
5425	M38510/00403----
5427	M38510/00404----
5430	M38510/00101----
54H30	M38510/02301----
54L30	M38510/02001----
5437	M38510/00302----
5438	M38510/00303----
5440	M38510/00301----
54H40	M38510/02401----
5442	M38510/01001----
54L42	M38510/02901----
5443	M38510/01002----
54L43	M38510/02902----
5444	M38510/01003----
54L44	M38510/02903----
5445	M38510/01004----
5446	M38510/01006----
54L46	M38510/02904----
5447	M38510/01007----
54L47	M38510/02905----
5448	M38510/01008----
5449	M38510/01009----
5450	M38510/00501----
54H50	M38510/04001----
5451	M38510/00502----
54H51	M38510/04002----
54L51	M38510/04101----
5453	M38510/00503----
54H53	M38510/04003----
5454	M38510/00504----
54H54	M38510/04004----
54L54	M38510/04102----
54H55	M38510/04005----
54L55	M38510/04103----
5470	M38510/00206----
54L71	M38510/02101----
5472	M38510/00201----
54H72	M38510/02201----
54L72	M38510/02102----
5473	M38510/00202----
54H73	M38510/02202----
54L73	M38510/02103----
5474	M38510/00205----
54H74	M38510/02203----
54L74	M38510/02105----
5475	M38510/01501----
5476	M38510/00204----
54H76	M38510/02204----
5477	M38510/01502----
54L78	M38510/02104----
5479	M38510/00207----
5482	M38510/00601----
5483	M38510/00602----
5486	M38510/00701----
54L86	M38510/02601----
5490	M38510/01307----
54L90	M38510/02501----
5492	M38510/01301----
5493	M38510/01302----
54L93	M38510/02502----
54L95	M38510/02801----
9304	M38510/00603----
9308	M38510/01503----
9309	M38510/01404----
9312	M38510/01402----
9314	M38510/01504----
9322	M38510/01405----
9341	M38510/01101----
9342	M38510/01102----
9614	M38510/10403----
9615	M38510/10404----
54H101	M38510/02205----
54H103	M38510/02206----
54107	M38510/00203----
54121	M38510/01201----
54L121	M38510/04201----
54122	M38510/01202----
54L122	M38510/04202----
54123	M38510/01203----
54145	M38510/01005----
54150	M38510/01401----
54153	M38510/01403----
54160	M38510/01303----
54161	M38510/01306----
54162	M38510/01305----
54163	M38510/01304----
54165	M38510/00904----
54174	M38510/01701----
54175	M38510/01702----
54181	M38510/01101----
54182	M38510/01102----
54192	M38510/01308----
54193	M38510/01309----
55107	M38510/10401----
55108	M38510/10402----
55113	M38510/10405----
55114	M38510/10403----
55115	M38510/10404----
74181	M38510/01101----

LOGIC DRAWING No. SIGNIFICANCE

The first three characters (a letter and two numerals) of the logic drawing number have the following significance: The letter code (interpreted in the adjacent block) indicates the circuit family (according to technical section title in this D.A.T.A.B O O K); the next two numerals indicate the "use" or "type of" category within that technical section. The last digit or digits indicate a serial number assigned by D.A.T.A.

LOGIC DRAWING No. PREFIX (letter code)

Letter Code	Applies to Tech. Sect. No.
B	4
C	5
E	6
F	7
G	8
J	10
K	11

LOGIC SYMBOLS CODES

BD	—	Base Direct
BR	—	Base Reset
BS	—	Base Set
C	—	Control
CL	—	Clamping
C0	—	Zero Control
C1	—	One Control
DR	—	Direct Reset
DS	—	Direct Set
E	—	Enable
FF	—	Flip-Flop
G	—	Gate
N	—	Node
OS	—	Oscillator
PS	—	Preset
R	—	Reset (Clear)
RG	—	Reset Gate
S	—	Set
SG	—	Set Gate
SH	—	Shift
SR	—	Shift Register
SS	—	Single Shot (One Shot)
T	—	Counter and/or Clock
TR	—	Trigger (Toggle)
V_{AA}	—	Positive Voltage
V_{BB}	—	Base Supply Voltage (Bipolar)
V_{CC}	—	Collector Supply Voltage (Bipolar)
V_{DD}	—	Drain Supply Voltage (N-chan.,P-Chan. MOS)
V_{DD}	—	Positive Supply Voltage (C-MOS)
V_{EE}	—	Emitter Supply Voltage (Bipolar)
V_{GG}	—	Gate Supply (MOS)
VR	—	Reference Voltage
V_{SS}	—	Source Supply Voltage (N-Chan.,P-Chan. MOS)
V_{SS}	—	Negative Supply Voltage (C-MOS)

NOTES

OUTLINE DRAWINGS

These outline drawings are intended as a guide for the user. They should not be used for constructive purposes without first checking with the appropriate manufacturer.

These drawings are referenced in the Technical Sections of this D.A.T.A.BOOK in accordance with information supplied by the manufacturers.

The MO and TO drawings have been reproduced from JEDEC Registration Data Files with the permission of the National Electrical Manufacturer's Association – Electronic Industries Association. JEDEC designations are assigned only to outlines submitted by the JC-11 Committee on Mechanical Standardization. The procedure of assigning and announcing the JEDEC designation constitutes registration.

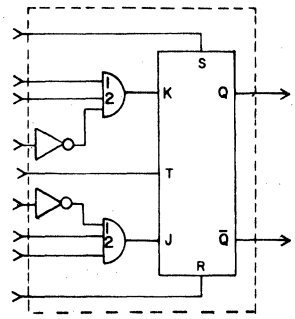
All drawings have circular symmetry unless otherwise indicated.

LOGIC DRAWINGS

The graphic logic symbols, codes and abbreviations are obtained from manufacturer, military and JEDEC information.

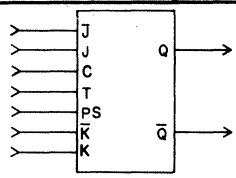
Since presentations may vary, the sources of information should be consulted before critical connections are made to the device.

B02-2



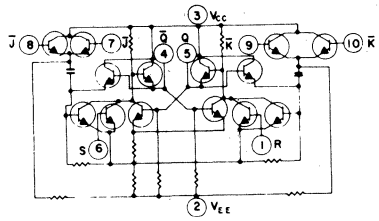
OUTLINE	K1	K2	K̄	J1	J2	J̄	R	S	Q	Q̄	T
FP	1	14	13	8	7	9	5	3	12	10	2
MP	1C	11	9	3	4	5	2	13	8	6	12

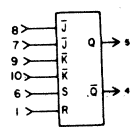
B02-4

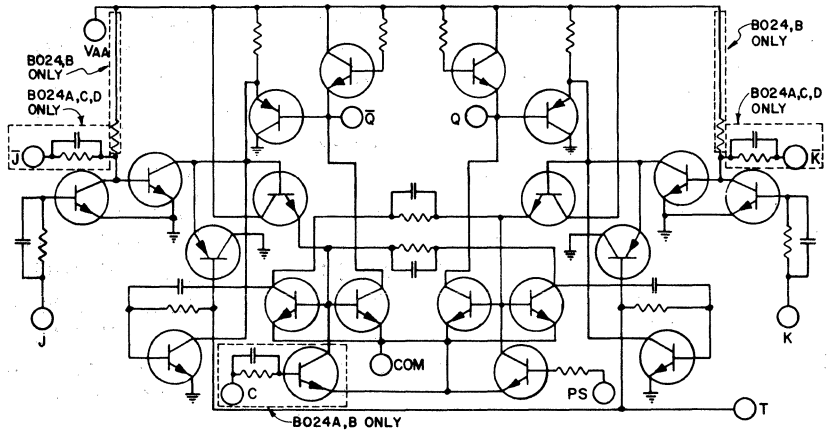


	OUTLINE	CKT	J	J̄	K	K̄	T	PS	C	Q	Q̄	VAA	COM
B024	FP	1	12	NC	3	NC	13	2	NC	1	14	11	4
		2	5	NC	10	NC	6	9	NC	8	7		
	MP	1	13	NC	4	NC	14	3	NC	2	15	12	5
		2	6	NC	11	NC	7	10	NC	9	8		
B024A	FP	1	13	12	9	10	1	5	3	6	2	11	4
	MP	1	14	13	10	11	2	6	4	7	3	12	5
B024B	FP	1	3	NC	12	NC	6	13	2	14	1	11	4
		2	5	NC	10	NC	6	9	2	8	7		
	MP	1	4	NC	13	NC	7	14	3	15	2	12	5
		2	6	NC	11	NC	7	10	3	9	8		
B024C	FP	1	1	2	5		7	9	NC	10	6	11	4
B024D	FP	1	10	9	6	7	2	4	NC	5	1	8	4

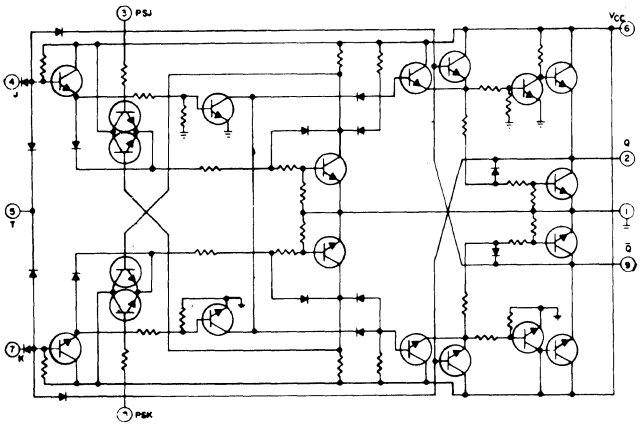
B02-7



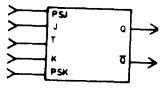




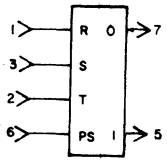
B02-16

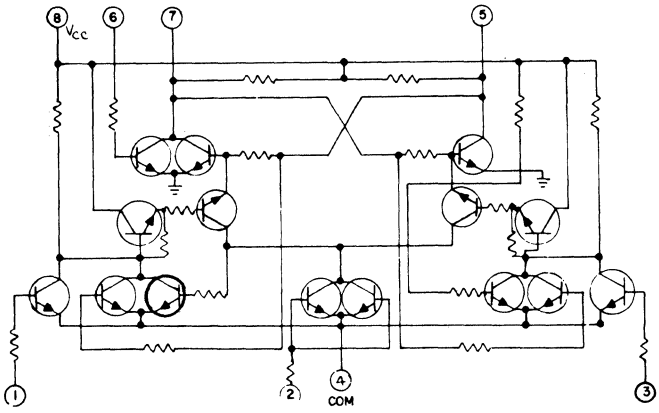


DWG.NO.	J	PSJ	K	PSK	Q	$\bar{Q}$	T	VCC	COM
B0216	4	3	7	8	2	9	5	6	1
B0216A	5	4	10	11	3	12	7	8	1

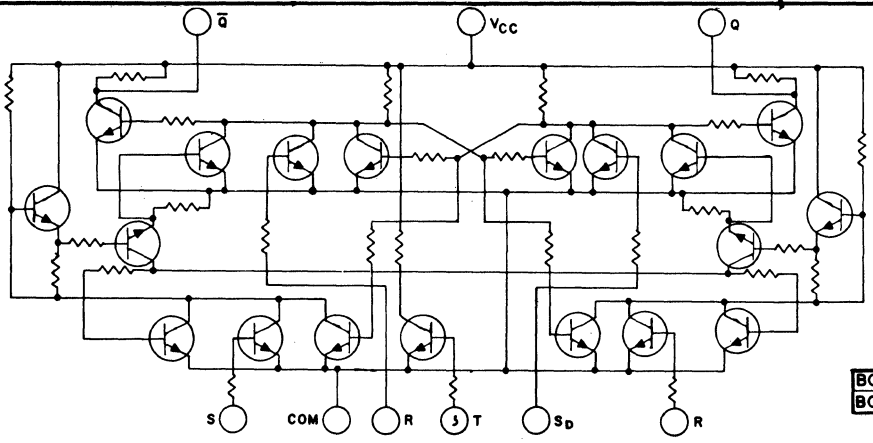


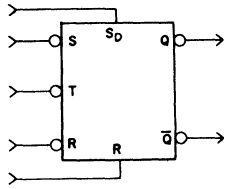
B02-21





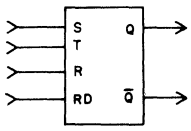
B02-27

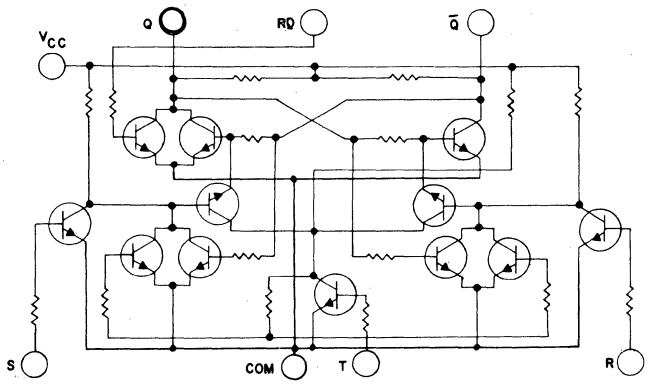




	S	SD	R	RD	T	Q	$\bar{Q}$	V_{CC}	COM
B02-27	2	8	4	1	3	9	7	10	5
B02-27A	13	12	3	9	2	10	6	11	4

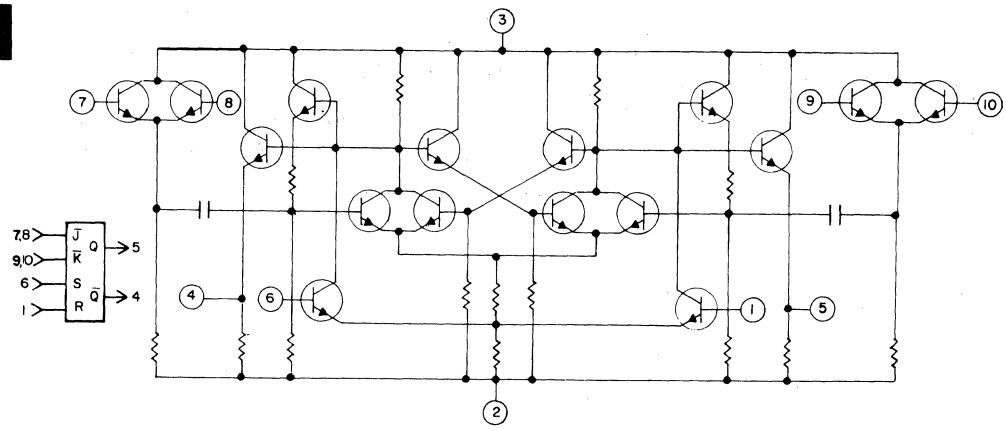
B02-30



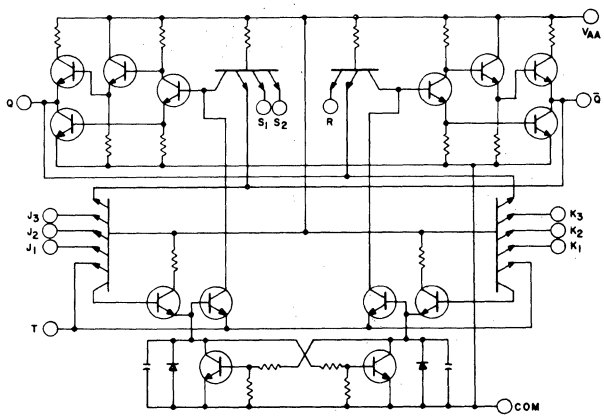


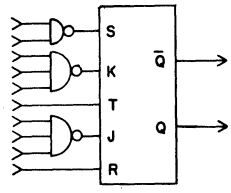
	S	T	R	RD	Q	$\bar{Q}$	COM	V_{CC}	PKG STYLE
B0230	1	2	3	6	7	5	4	8	CN
	2	3	4	8	9	7	5	10	FP
B0230A	1	2	3	6	7	5	4	8	CN
	1	2	4	7	9	6	5	10	FP
B0230B	12	2	3	9	5	10	4	11	MP

B02-31



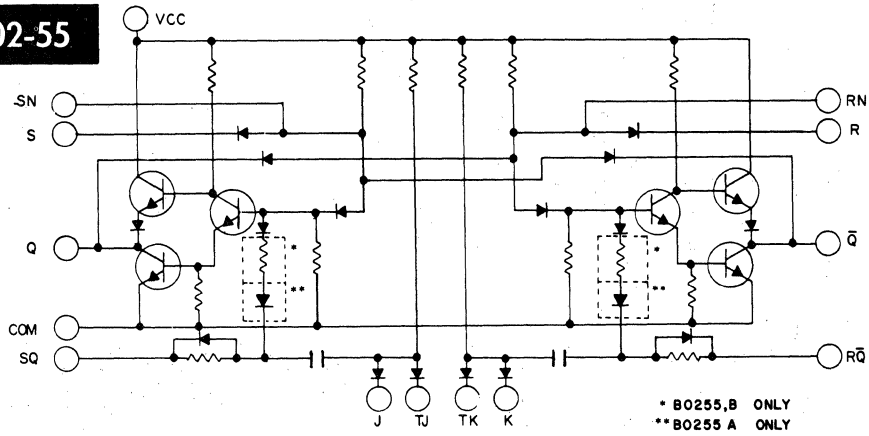
B02-42

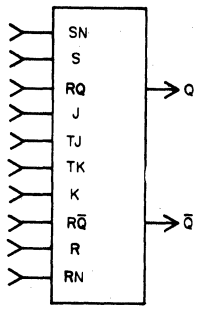




	CKT. NO.	S_1	S_2	K_1	K_2	K_3	J_1	J_2	J_3	R	$\bar{Q}$	Q	T	V_{AA}	COM
B02-42	1	9	8	2	1	14	5	6	7	13	12	11	3	4	10

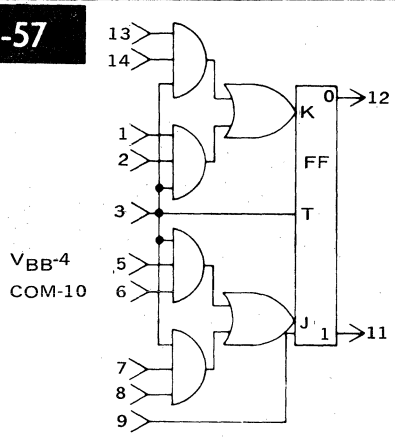
B02-55



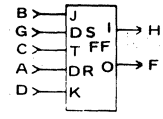


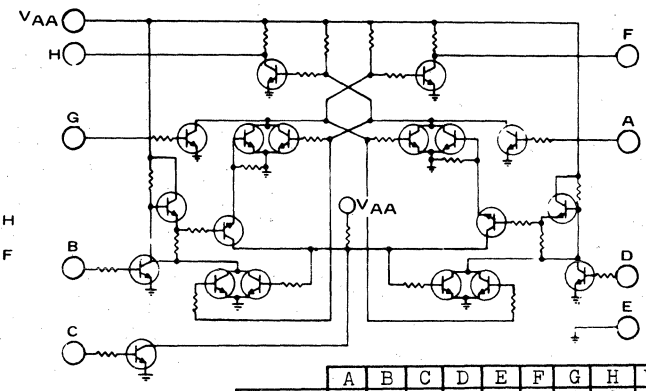
	CN	FP_1	FP_2
S	5	8	7
SN	NC	9	NC
SQ	1	3	4
R	3	6	5
RN	NC	5	NC
RQ̄	7	11	8
Q	2	4	4
Q̄	6	10	8
J	12	2	3
TJ	11	1	2
K	8	12	9
TK	9	13	1
VCC	4	7	6
COM	10	14	10

B02-57



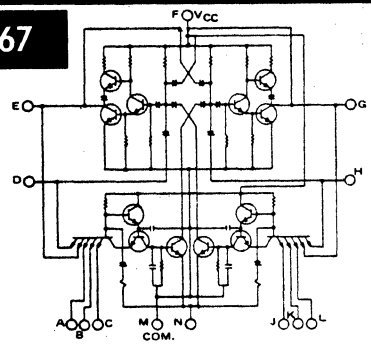
B02-62





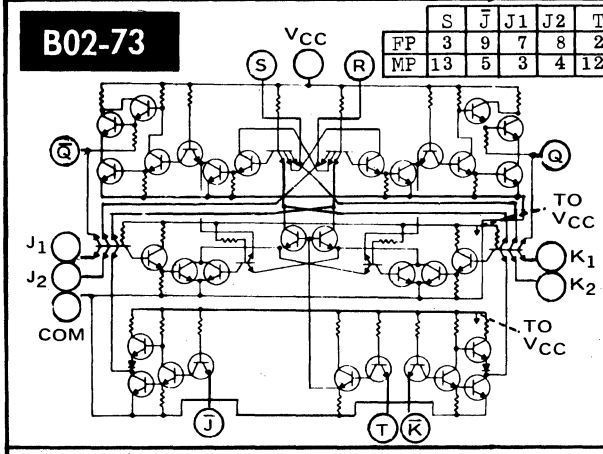
	A	B	C	D	E	F	G	H	VAA
B02-62	1	2	3	4	5	7	8	9	10

B02-67



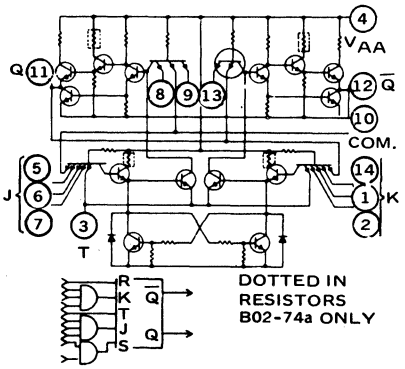
	A	B	C	D	E	F	G	H	J	K	L	M	N
B02-67a	1	2	4	6	5	7	10	9	13	12	11	14	3

B02-73

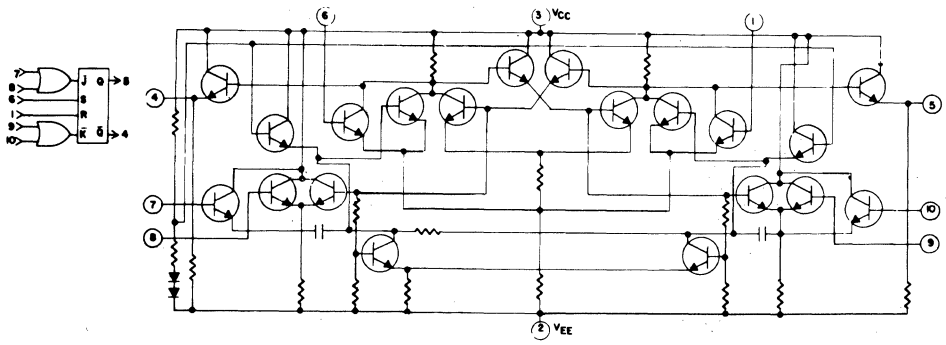


	S	J̄	J1	J2	T	K̄	K1	K2	R	Q	Q̄	VCC	COM
FP	3	9	7	8	2	13	1	14	5	12	10	4	11
MP	13	5	3	4	12	9	10	11	2	8	6	14	7

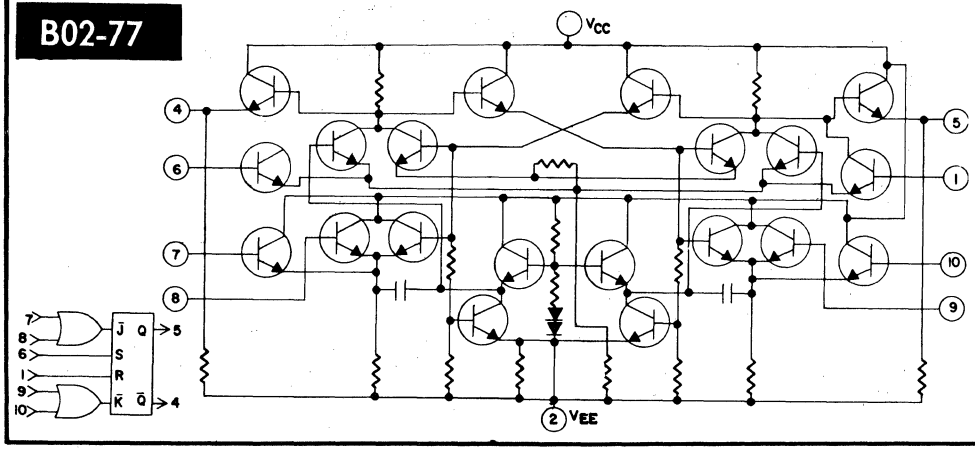
B02-74



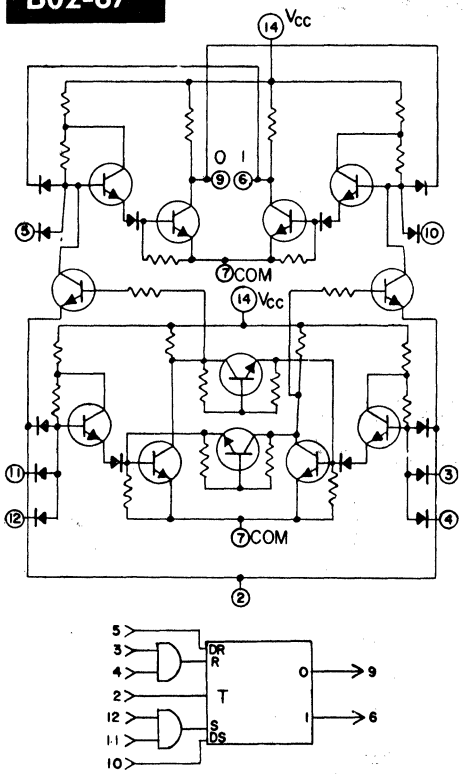
B02-76



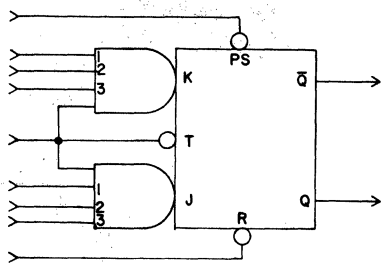
B02-77



B02-87

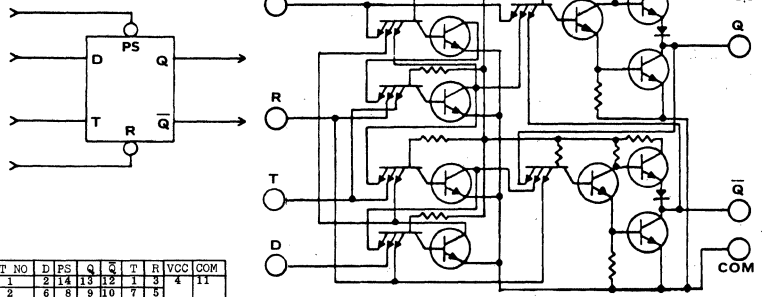


B02-88



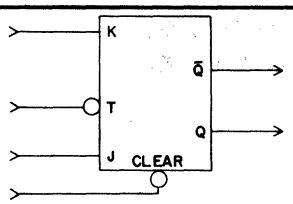
	CKT NO.	PKG	K1	K2	K3	J1	J2	J3	Q	$\bar{Q}$	T	PS	R	COM	VCC	NC
B02-88	1	FP	14	1	13	7	8	9	12	10	2	3	5	11	4	6
	1	MP	9	10	11	3	4	5	8	6	12	13	2	7	14	1
B02-88a	1		104	205		204	107		207	108	203	206	105	101,115	202	102, 201,2,5
	2		110	211		210	112		213	113	209	212	114	101,115	202	102, 201,215

B02-89



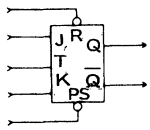
	CKT NO	D	PS	Q	$\bar{Q}$	T	R	VCC	COM
FP	1	2	14	13	12	1	3	4	11
	2	6	8	9	10	7	5		
MP	1	2	4	5	6	3	1	14	7
	2	12	10	9	8	11	13		

B02-91



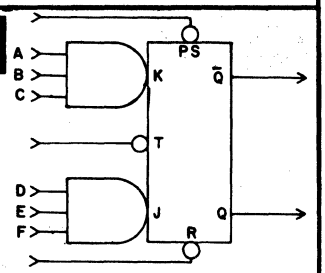
	CKT NO	K	T	J	$\bar{Q}$	Q	CLEAR	VCC	COM
B02-91	1	3	1	14	13	12	2	4	11
	2	10	5	7	8	9	6		
B02-91a	1	2	1	3	5	6	4	14	7
	2	12	13	11	9	8	10		
B02-91b	1	11	12	13	2	3	1	14	7
	2	12	9	8	5	4	6		
B02-91c	1	203	103	104	105	207	205	202	101,115
	2	204	106	107	108	208	206	202	101,115
	3	209	109	110	114	213	211	202	101,115
	4	210	111	112	113	214	212	202	101,115
B02-91d	1	1	4	3	5	6	2	14	7
	2	13	10	11	9	8	12		

B02-92



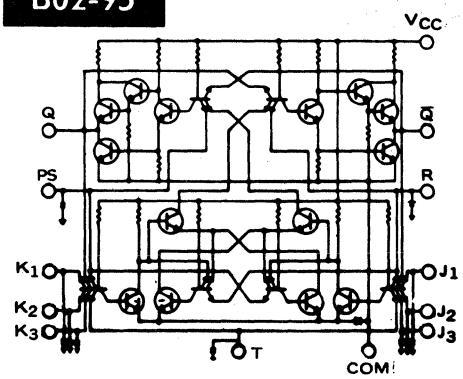
	PKG	CKT.	K	J	T	PS	R	$\bar{Q}$	Q	VCC	COM
B02-92		1	16	4	1	2	3	14	15	5	13
		2	12	9	6	7	8	10	11		
B02-92a		1	2	3	1	4	13	5	6	14	7
		2	12	11	1	10	13	9	8		
B02-92b	FP	1	3	1	2		13	12	14	4	11
		2	5	7	6		9	10	8		
	FP	1	3	2	6	1	13	12	14	4	11
		2	5	7	6	8	13	10	9		
B02-92c	M	1	1	3	2	11	9	6	5	14	7
		2	13	12	2	11	9	8	10		
B02-92d	M	1	1	3	2	4	6	7	5	16	8
		2	15	13	14	12	10	9	11		
B02-92e	M	1	1	4	5	2	3	6	7	16	8
		2	15	12	11	14	13	10	9		

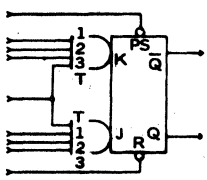
B02-94



	A	B	C	D	E	F	T	VCC	COM	PS	R	Q	$\bar{Q}$
B02-94	14	1	13	7	8	9		4	11	3	5	12	10
B02-94a	12	11	NC	3	4	NC		14	7	5	10	6	9
B02-94b	9	10	11	3	4	5	12,	13	2	8	6	14	7
B02-94c	3	4	5	9	10	11	12	14	7	13	2	6	8

B02-95

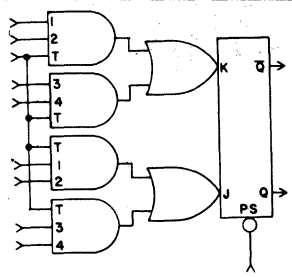




	K			J			PS	R	Q	$\bar{Q}$	T	VCC	COM
	1	2	3	1	2	3							
FP	13	14	1	7	8	9	3	5	12	10	2	4	11
M	9	10	11	3	4	5	13	2	8	6	12	14	7

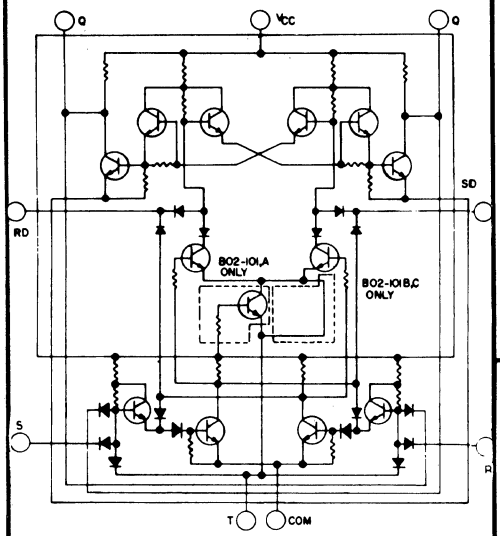
INPUT CLAMPING DIODES FOR US 54, 74 AND DM54, 74 TYPES ONLY.

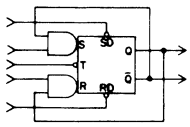
B02-97



	K				J				T	PS	Q	$\bar{Q}$	Vcc	COM
	1	2	3	4	1	2	3	4						
FP	13	14	1	2	5	6	7	8	3	9	10	12	4	11
M	9	10	11	12	1	2	3	4	13	5	6	8	14	7

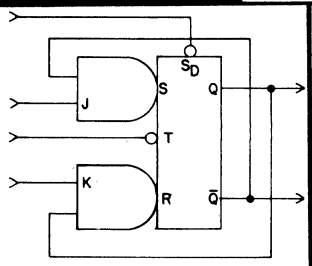
B02-101





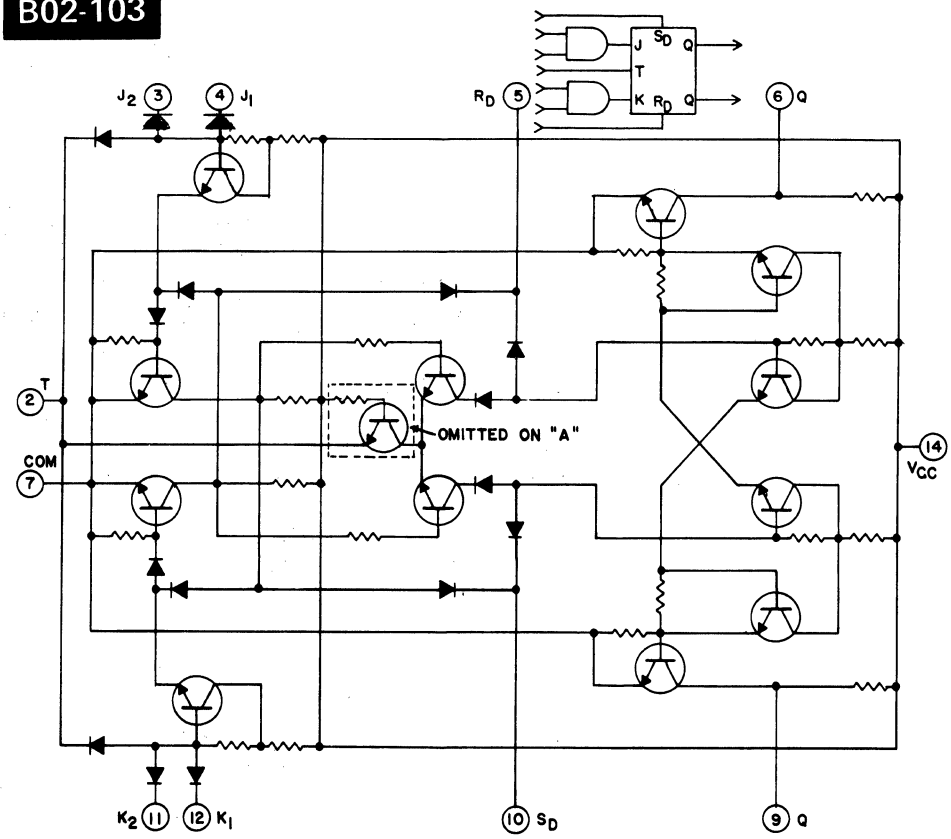
	PKG	CKT NO	S	T	R	BO	RO	Q	Q̄	COM	VCC
B02-101 AND b	MF/FF	1	3	1	2	4	13	6	5	7	14
		2	11	1	12	10	13	8	9		
B02-101a AND c	MF/FF	1	3	1	2	4		6	5	7	14
		2	11	13	12	10		8	9		

B02-102

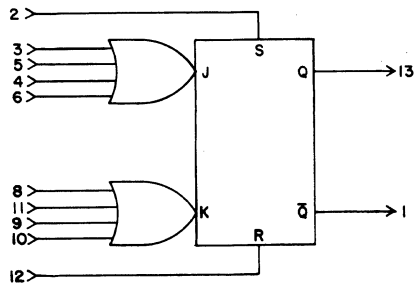


	CKT NO	S_D	J	T	K	Q	$\bar{Q}$	V_{CC}	COM
B02-102	1	4	3	1	2	6	5	14	7
B02-102a	2	10	11	13	12	8	9	14	7

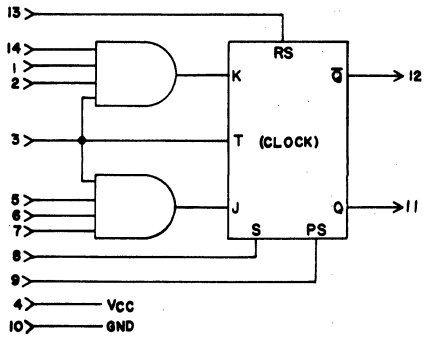
B02-103



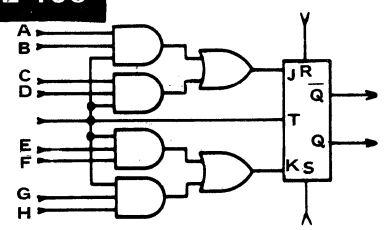
B02-104



B02-105

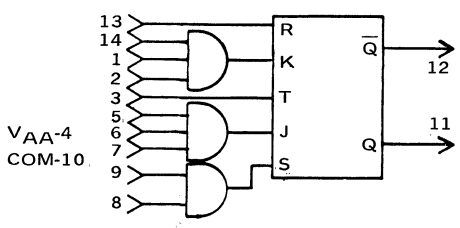


B02-106

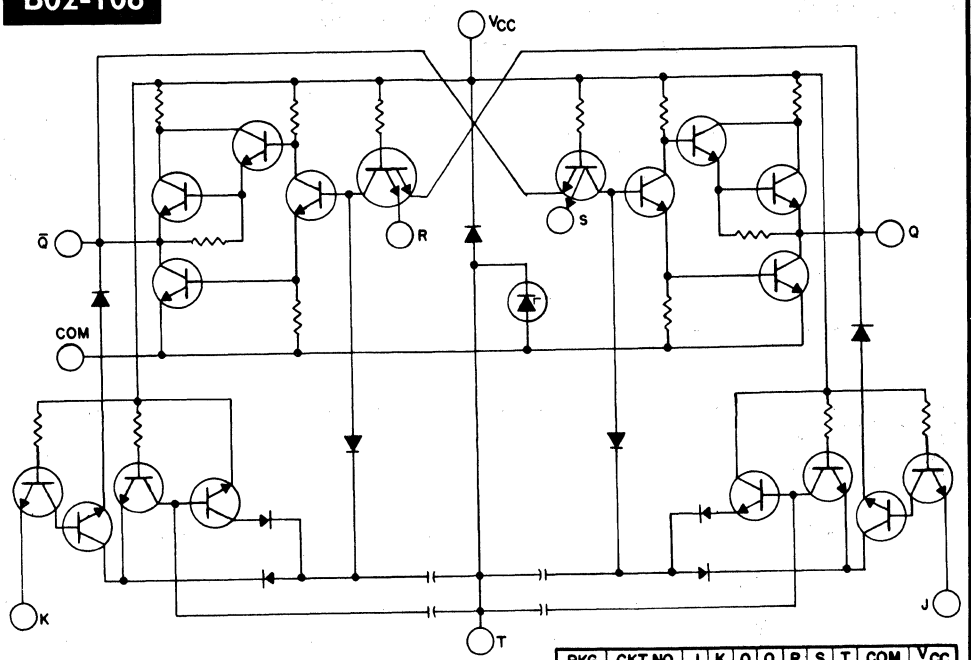


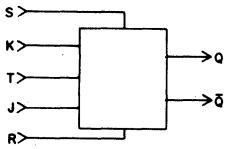
	A	B	C	D	E	F	G	H	T	S	R	Q	Q̄	VCC	GND
B02-106	1	2	13	14	5	6	7	8	3	9		11	12	4	10
B02-106a	1	2	3	4	9	10	11	12	13	5		6	8	14	7
B02-106b	1	2	13	14	5	6	7	8	3	9		10	12	4	11

B02-107



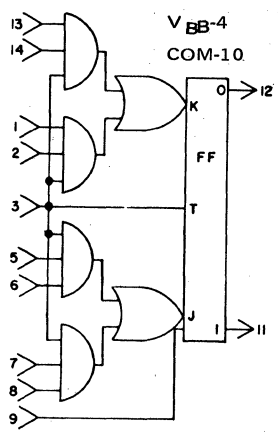
B02-108



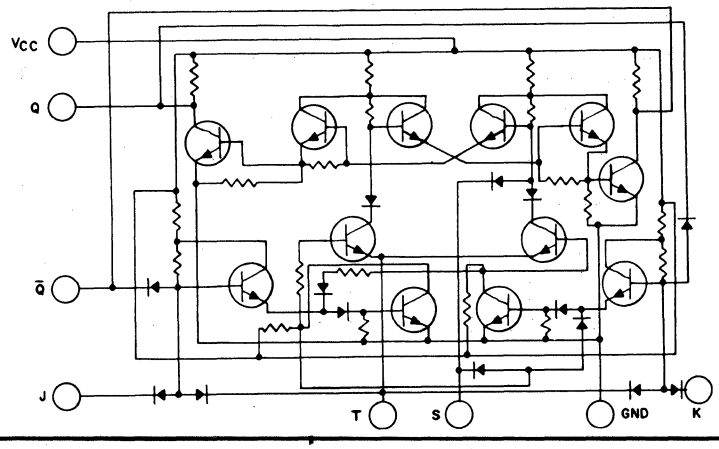


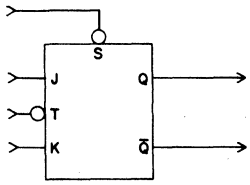
PKG.	CKT NO.	J	K	Q	Q̄	R	S	T	COM	V_{CC}
B02-108	FP 1	1	3	14	12	13		2	11	4
	FP 2	7	5	8	10	9		6		
	MP 1	3	1	5	6	4		2	7	14
	MP 2	12	11	10	8	9		13		
B02-108A	FP 1	3	2	12	14	13	1	6	11	4
	FP 2	5	7	10	8	13	9	6		
	MP 1	1	3	6	5	9	4	2	7	14
	MP 2	13	12	8	10	9	11	2		

B02-109



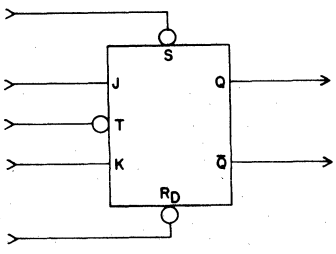
B02-110



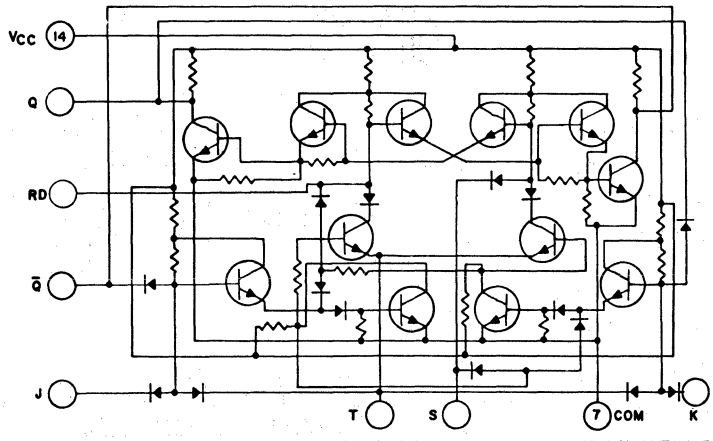


CKT. NO.	S	J	T	K	Q	Q̄
1	4	3	1	2	6	5
2	10	11	13	12	8	9

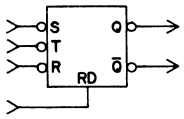
B02-111



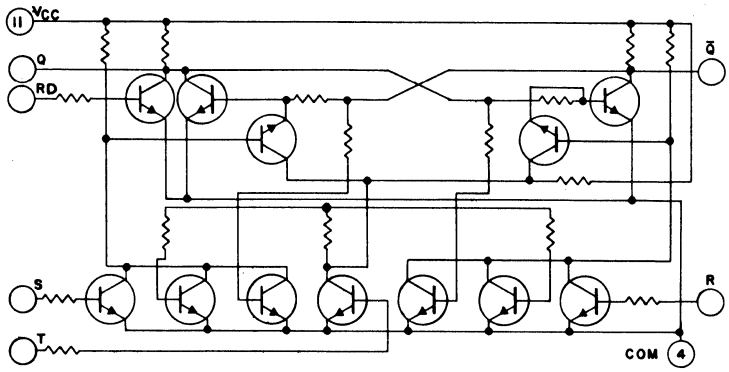
CKT. NO	S	J	T	K	R_D	Q	Q̄
1	4	3	1	2	13	6	5
2	10	11	1	12	13	8	9



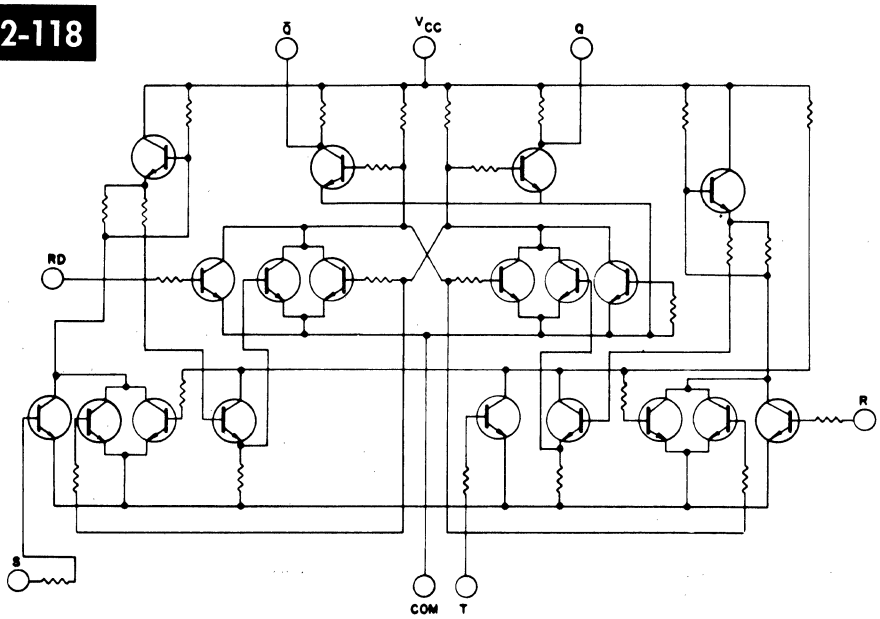
B02-113

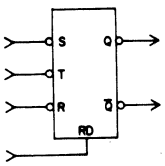


CKT.	S	T	R	R_D	Q	Q̄
1	3	2	1	12	13	14
2	5	6	7	10	9	8



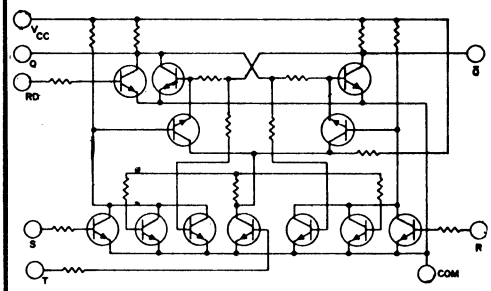
B02-118





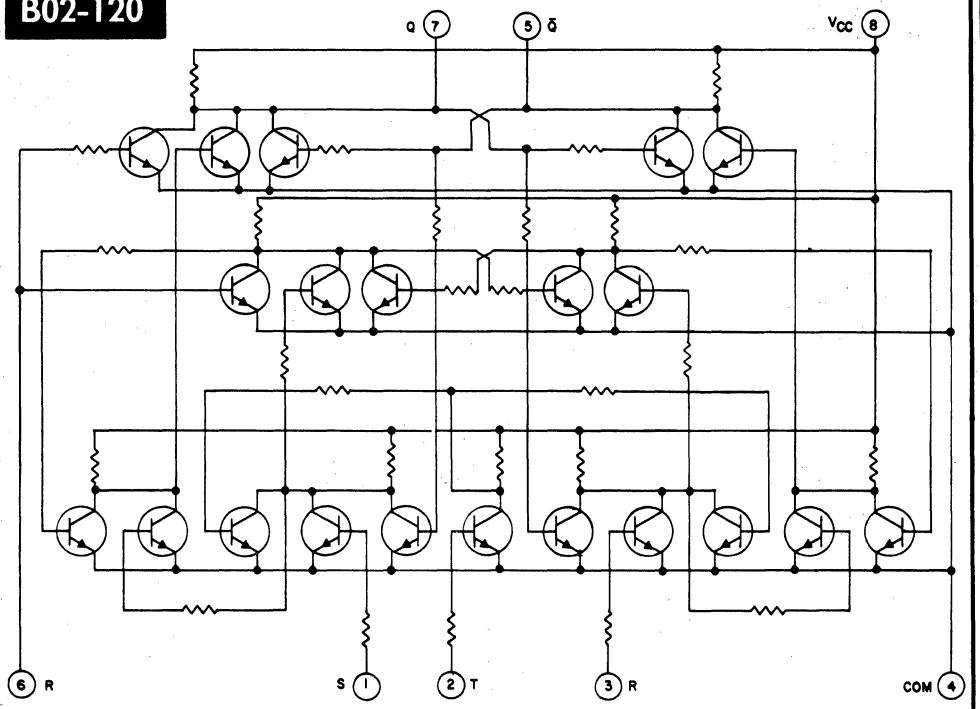
	CKT. NO.	RD	R	S	T	Q	Q̄	COM	V_{CC}
B02-118	1	6	3	1	2	5	7	4	8
B02-118A	1	12	1	3	2	14	13	4	11
	2	10	7	5	6	8	9		
B02-118B	1	1	4	6	5	3	2	7	14
	2	13	10	8	9	11	12		

B02-119

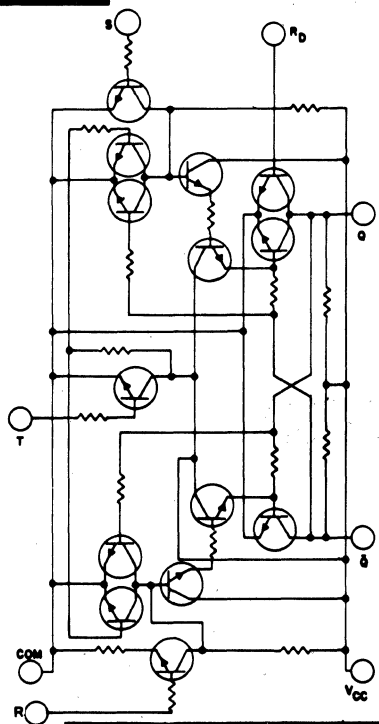


	CKT. NO	RD	S	R	T	Q	Q̄	VCC	COM
B02-119	1	1	6	4	5	2	3	14	7
	2	13	8	10	9	12	11		

B02-120



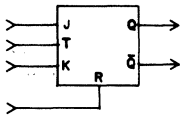
B02-121

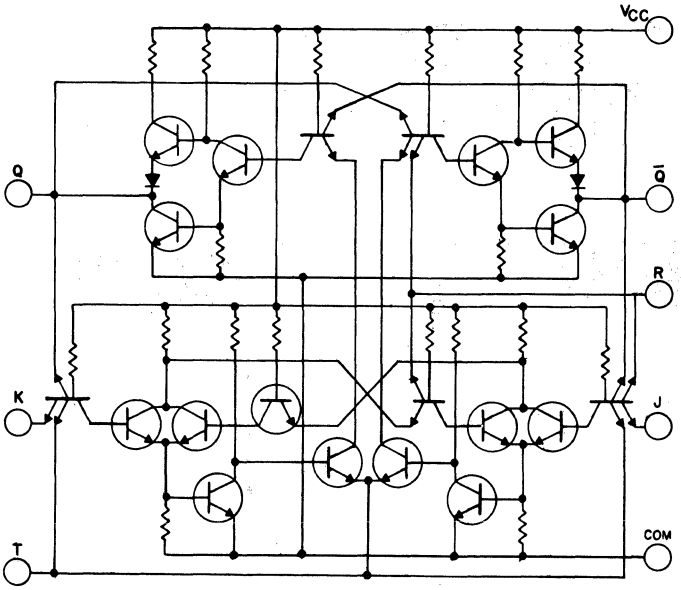


	CKT. NO.	S	T	R	RD	Q	Q̄	V_{CC}	COM
B02-121	1	6	5	4	1	2	3	14	7
	2	8	9	10	13	12	11		
B02-121A	1	3	2	1	12	13	14	11	4
	2	5	6	7	10	9	18		

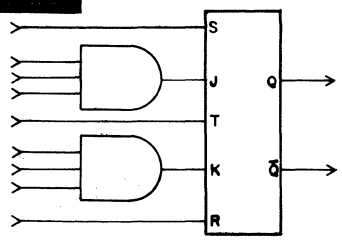
B02-130

	CKT NO	J	K	T	R	Q	Q	COM	V_{CC}
B02130	1	14	3	1	2	12	13	11	4
	2	7	10	5	6	9	8		
B02130a	1	1	4	12	13	3	2	7	14
	2	8	11	9	10	5	6		





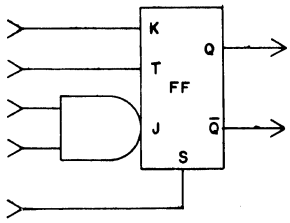
B02-134



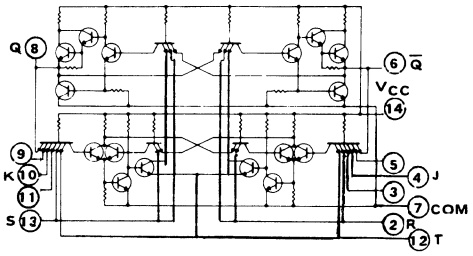
	CKT	PKG	S	J_1	J_2	J_3	T	K_1	K_2	K_3	R	Q	Q̄
B02-134	1	FP	3	7	8	9	2	1	14	13	5	12	10
	1	MP	13	3	4	5	12	11	10	9	2	8	6

B02-139

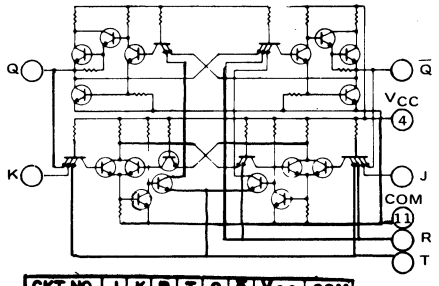
CKT NO	J_1	J_2	T	K	S	$\bar{Q}$	Q	V_{CC}	COM
1	10		8	9	13	12	14	7	14
2	3	4	6	5	13	1	2		



B02-142

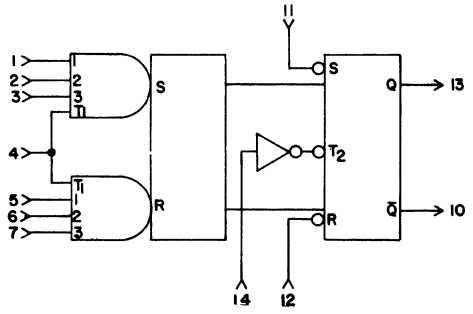


B02-143

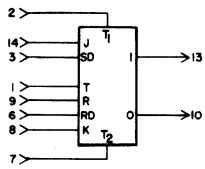


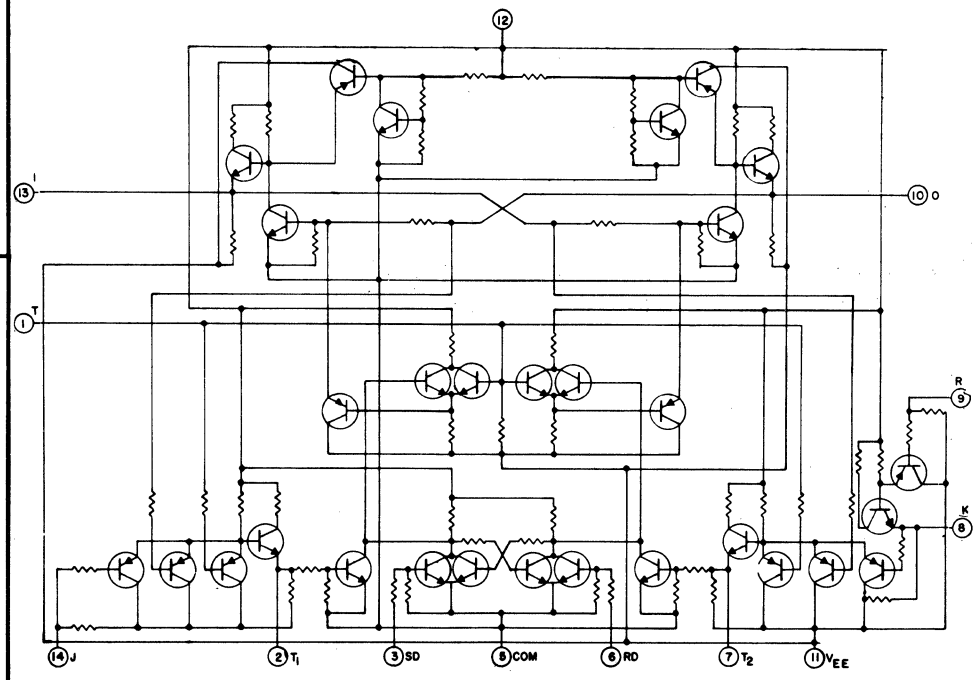
CKT NO.	J	K	R	T	Q	$\bar{Q}$	V_{CC}	COM
1	14	3	2	1	12	13	4	11
2	7	10	6	5	9	8	4	11

B02-148

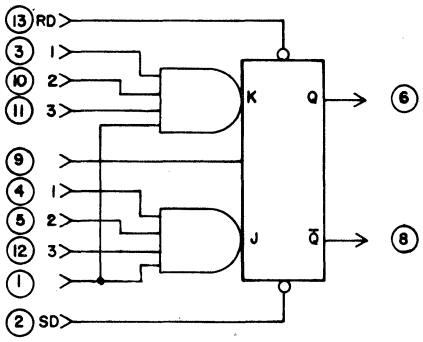


B02-149

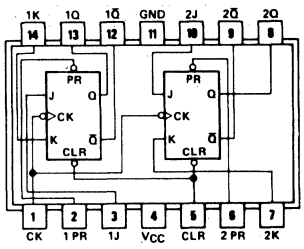




B02-151

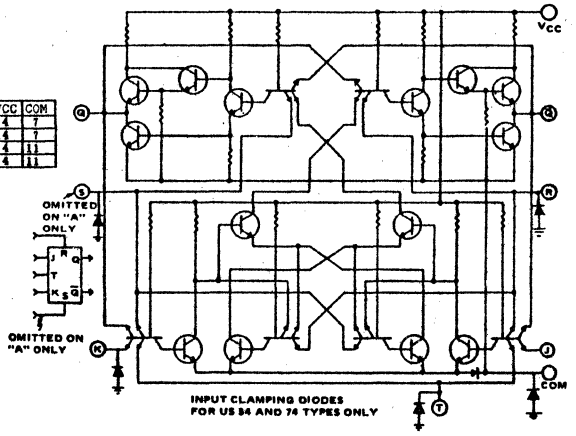


B02-154

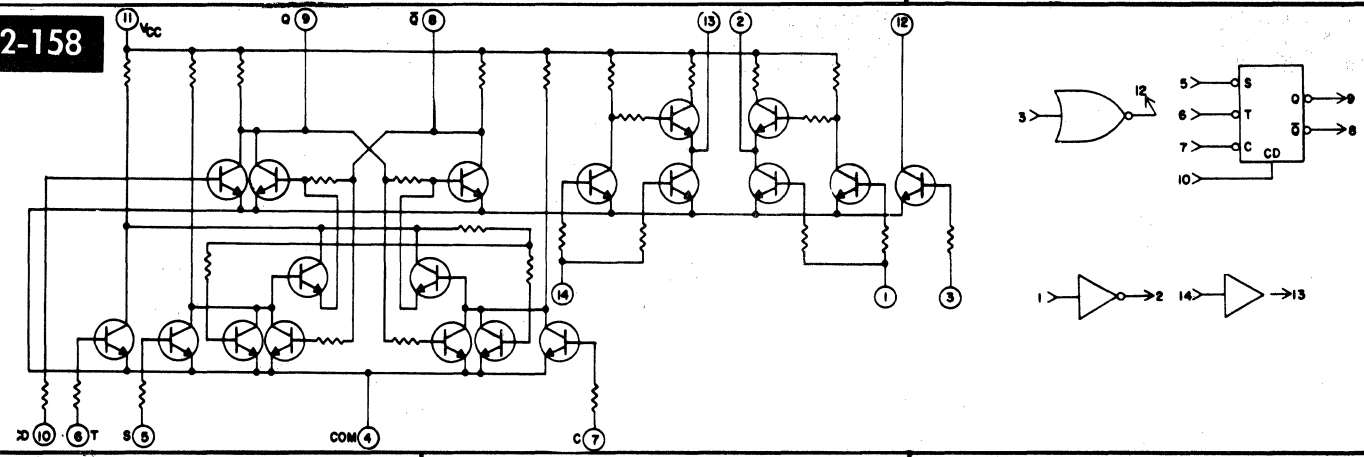


B02-155

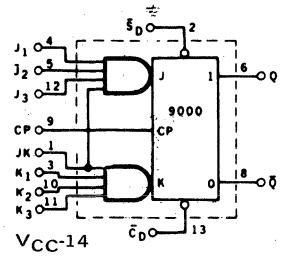
	PACKAGE	CKT. NO.	J	K	R	S	T	Q	Q	VCC	COM
B02-155	FP	1	4	1	12	13	9	2	3	14	7
	MP	2	11	8	12	10	9	6	5	14	7
B02-155a	FP	1	14	3	2	NC	1	12	13	4	11
	MP	2	7	10	6	NC	5	9	8	4	11



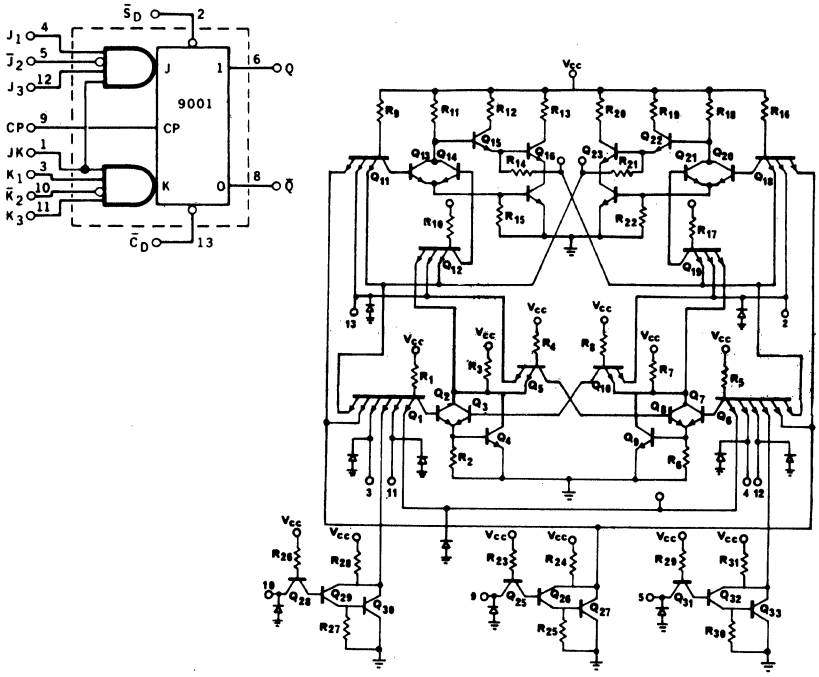
B02-158



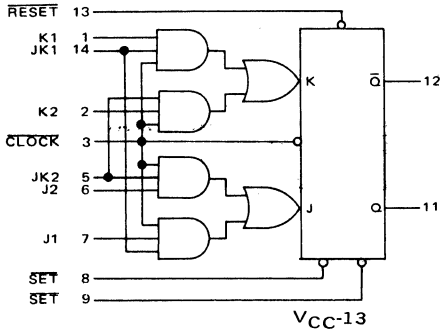
B02-167



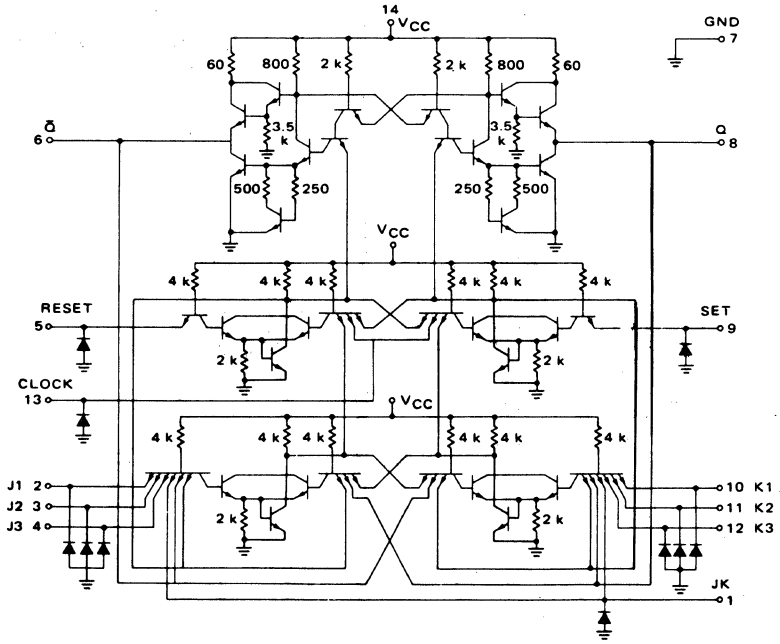
B02-168



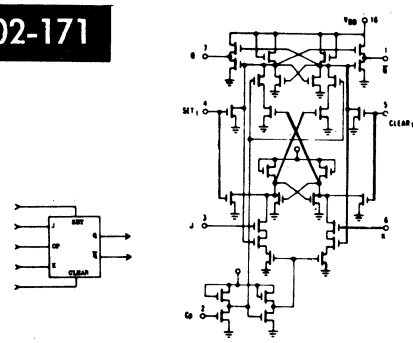
B02-169



B02-170

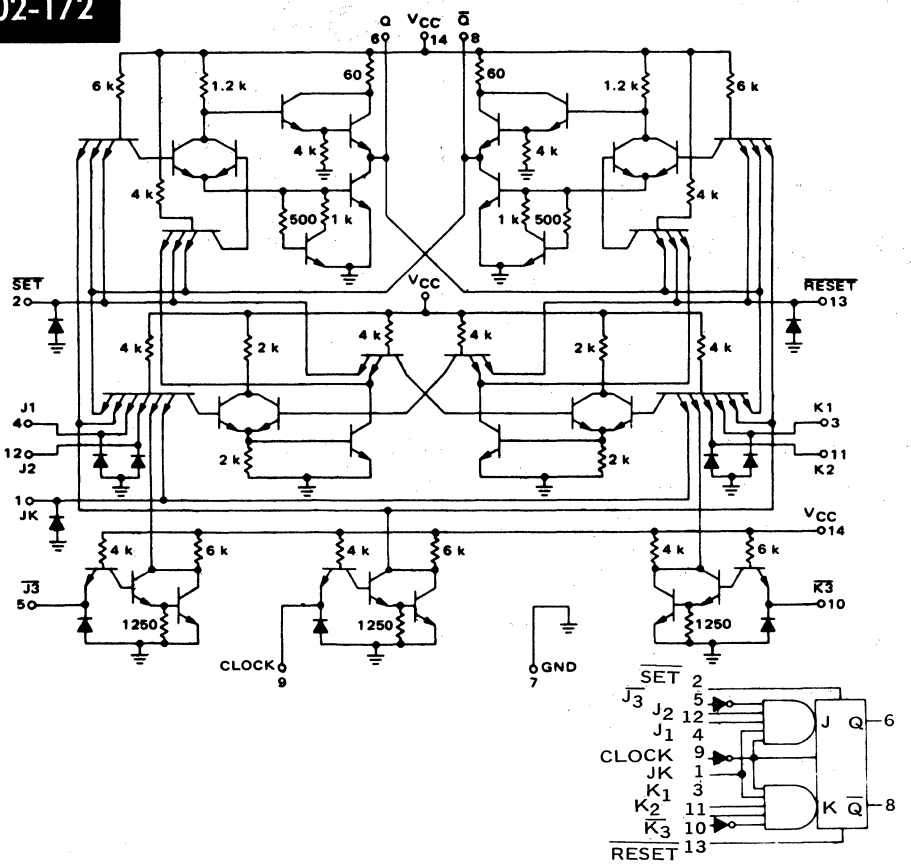


B02-171

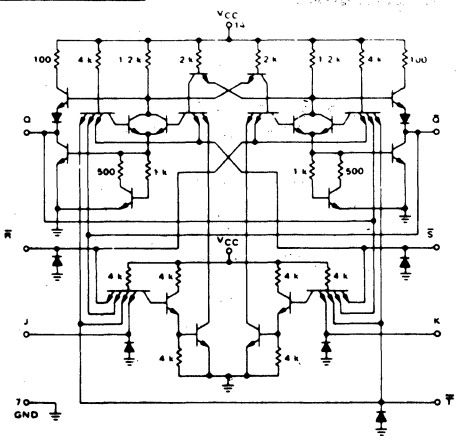


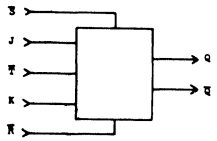
CKT	SET	J	CP	K	CLEAR	Q	$\overline{Q}$	VCC	GND
1	4	3	2	6	5	7	1	16	8
2	12	13	14	10	11	9	15	16	8

B02-172



B02-173

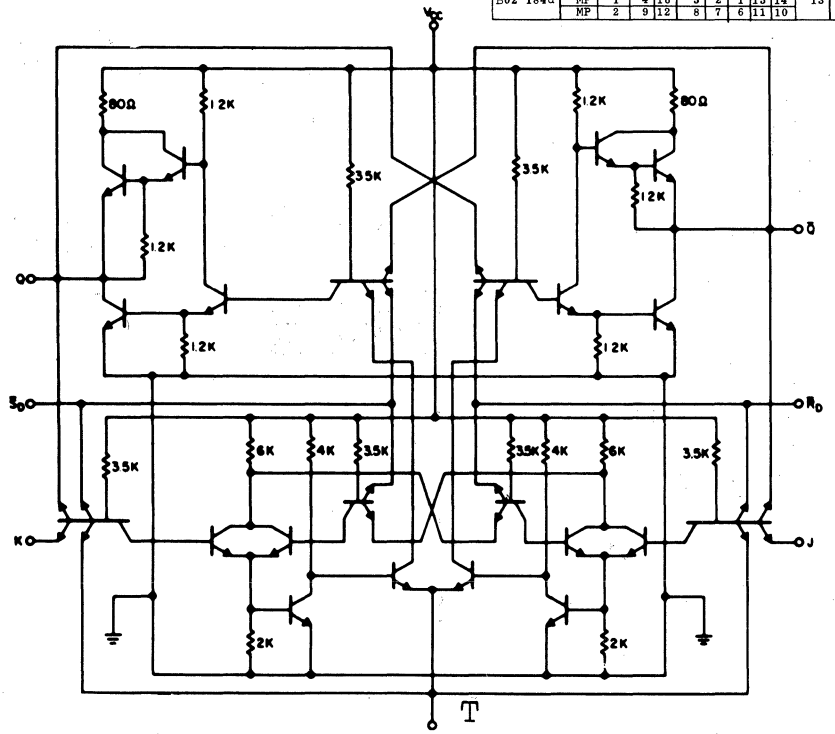




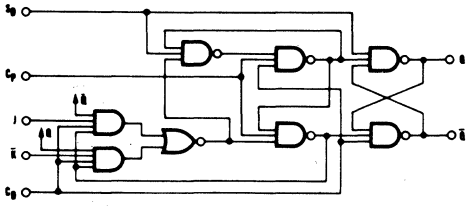
	CKT	S̄	J	T̄	K	R̄	Q	Q̄
B02-173	1	4	3	13	2	1	5	6
	2	10	11	13	12	1	9	8
B02-173a	1	4	3	1	2		5	6
	2	10	11	13	12		9	8

B02-184

	PKG.	CKT	J	K	R̄D	S̄D	T	Q	Q̄	COM	VCC
B02-184	FP	1	3	14	2	1	5	13	12	11	4
		2	10	7	2	6	5	8	9		
	FP	1	14	3	2		1	12	13	11	4
		2	7	10	6		5	9	8		
B02-184a	MP	1	3	6	2		1	5	4	7	14
		2	10	13	12		11	8	9		
B02-184b	MP	1	4	7	3	2	1	6	5	8	16
		2	15	11	14	13	12	10	9		
B02-184c	MP	1	14	3	2		1	12	13	11	4
	MP	2	7	10	6		5	9	8		
B02-184d	MP	1	4	16	3	2	1	15	14	13	5
	MP	2	9	12	8	7	6	11	10		

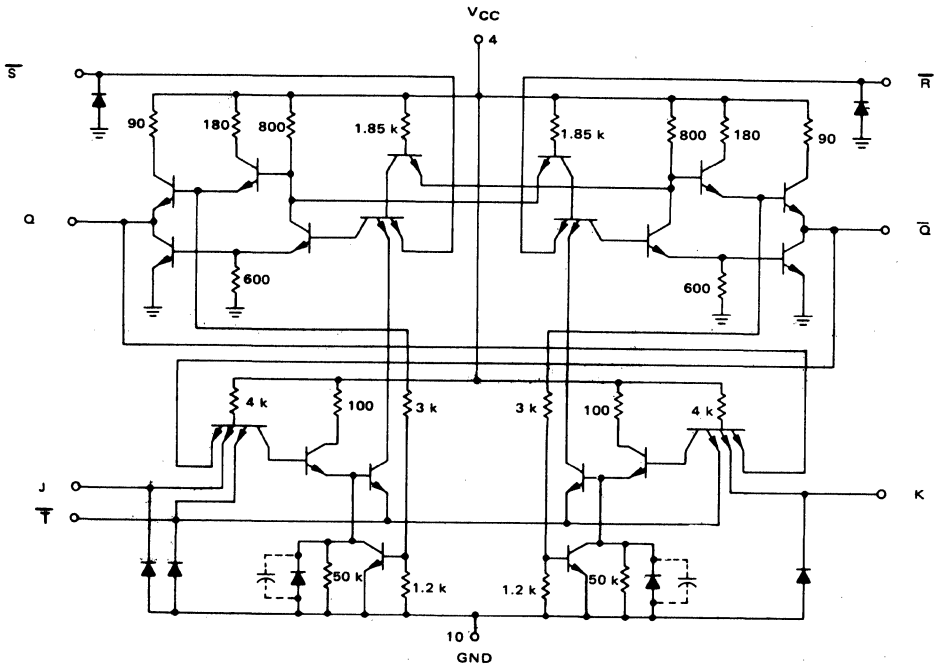


B02-185

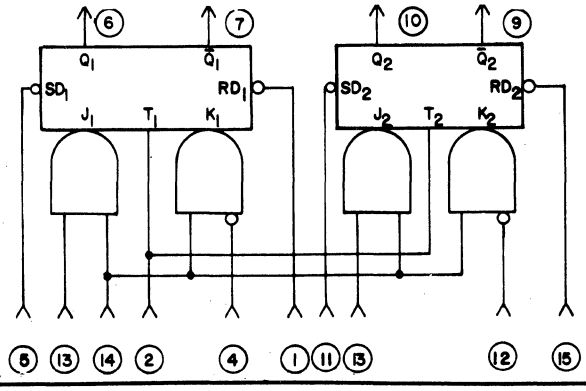


B02-186

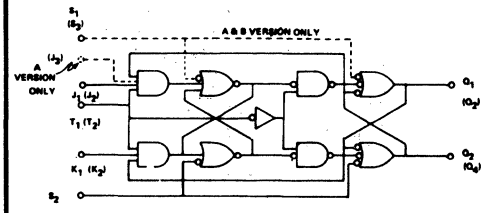
	CKT	$\overline{S}$	$\overline{R}$	$\overline{T}$	J	K	Q	$\overline{Q}$
B02186	1	14	NC	3	2	1	13	12
	2	8	NC	5	6	7	9	11
B02186a	1	14	5	3	2	1	13	12
	2	8	5	3	6	7	9	11



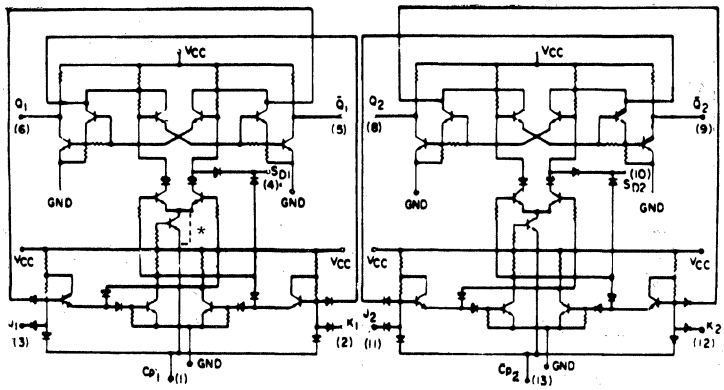
B02-187

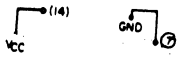


B02-188



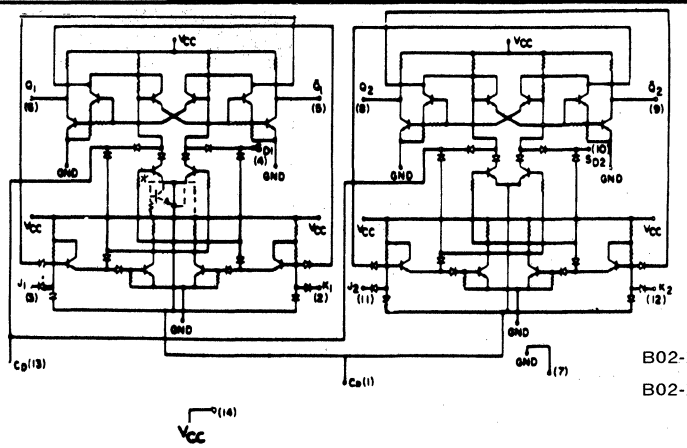
B02-190





*B02-190a — USE DOTTED LINE IN PLACE OF TRANSISTOR

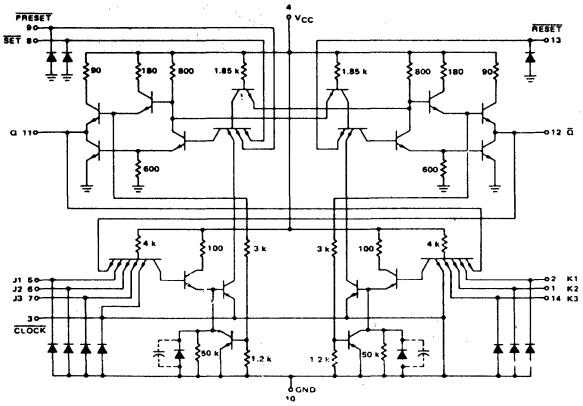
B02-191



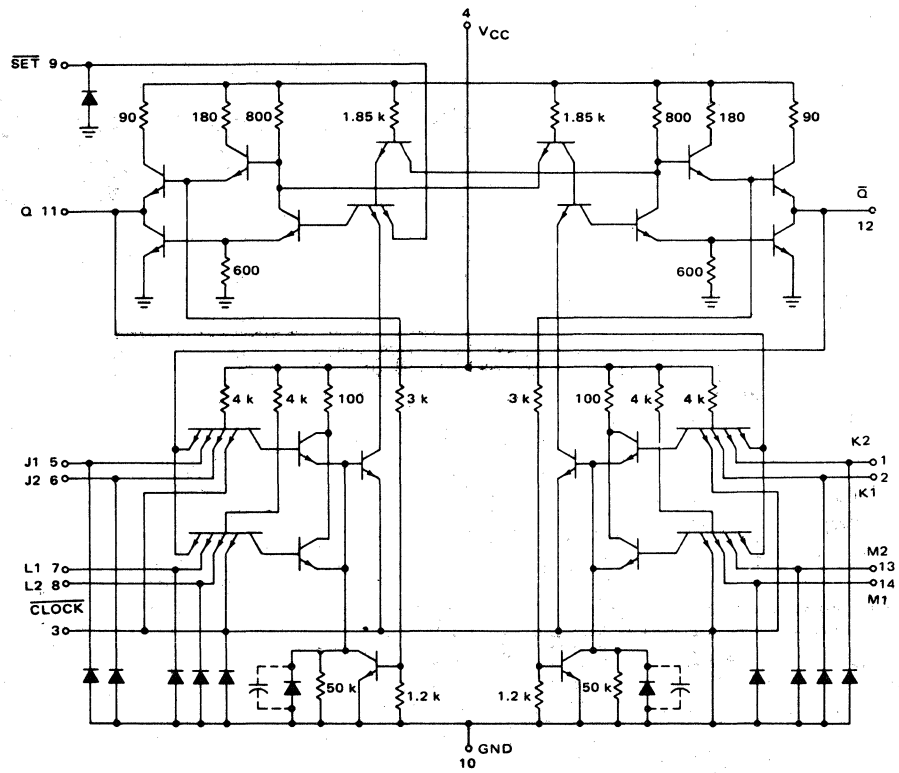
B02-191a — DOTTED IN SECTION.

B02-191b* — USE DOTTED LINE INCLUDING RESISTOR AND TRANSISTOR IN PLACE OF DIRECT C_P INPUT.

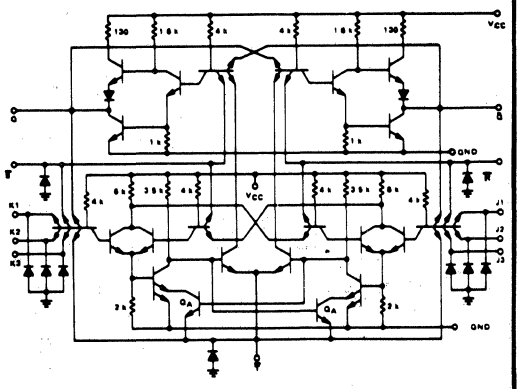
B02-193



B02-194

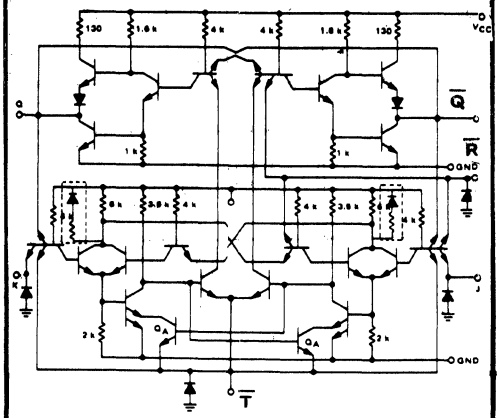


B02-195



	J_1	J_2	J_3	K_1	K_2	K_3	$\overline{S}$	$\overline{R}$	T	Q	$\overline{Q}$	VCC	GND
B02195	7	8	9	14	1	13	5	6	3	12	10	4	11
B02195a	3	4	5	9	10	11	13	2	12	8	6	14	7

B02-196

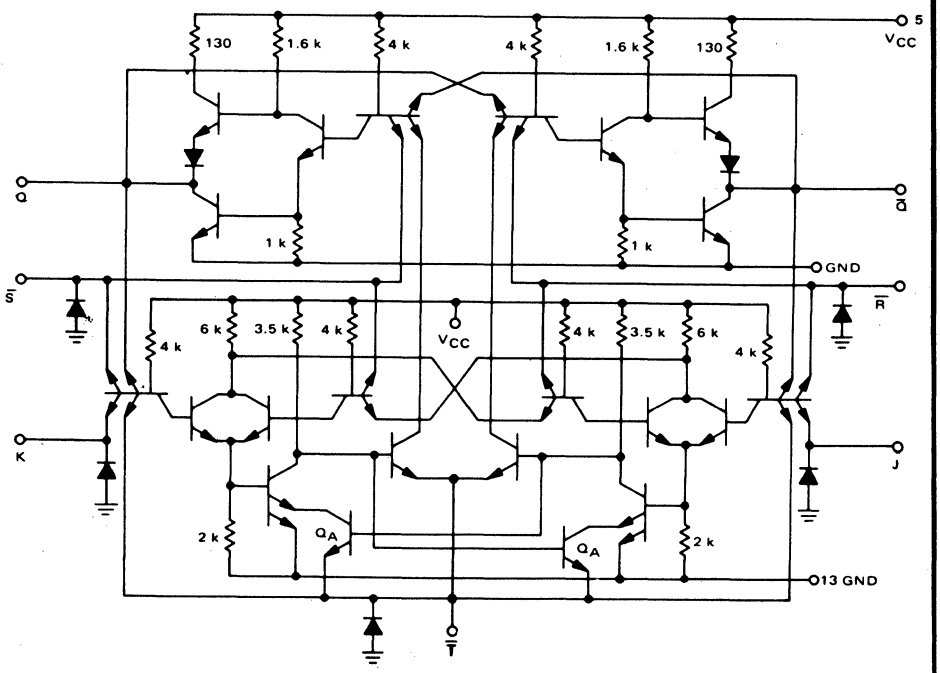


B02-196b
Dotted in portion only.

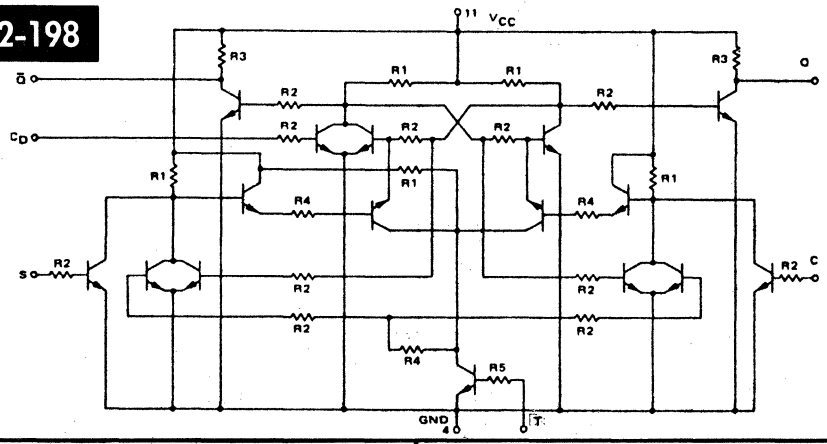
	PKG	CKT	J	$\overline{T}$	K	$\overline{R}$	Q	$\overline{Q}$	VCC	GND
B02-196, b		1	14	1	3	2	12	13	4	11
		2	7	5	10	6	9	8		
B02-196a		1	8	9	11	10	5	6	4	11
		2	1	12	4	13	3	2		
B02-196c	FC	1	19	1	3	2	17	18	4	16
		2	7	5	15	6	14	13		
	FP	1	14	1	3	2	12	13	4	11
		2	7	5	10	6	9	8		

B02-197

CKT	$\overline{S}$	J	$\overline{T}$	K	$\overline{R}$	Q	$\overline{Q}$
1	2	4	1	16	3	15	14
2	7	9	6	12	8	11	10

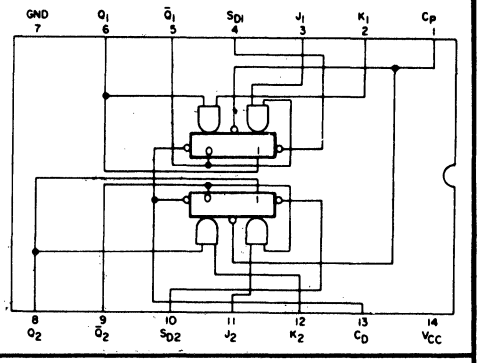


B02-198



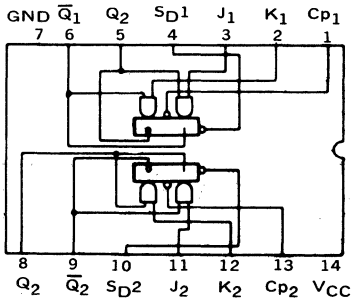
B02-200

NOTES:
OUTPUT PULL UP RESISTORS
6kΩ for B02-200
2kΩ for B02-200a

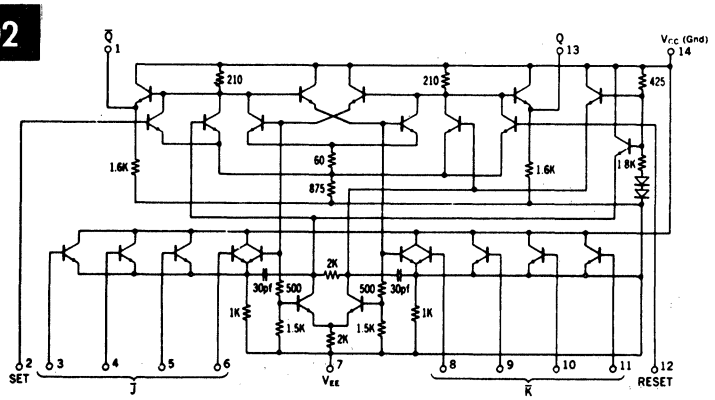


B02-201

NOTES:
OUTPUT PULL UP RESISTORS
6kΩ for B02-201
2kΩ for B02-201a

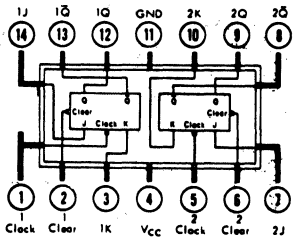


B02-202

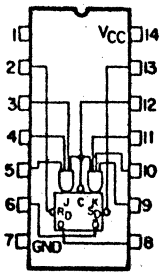


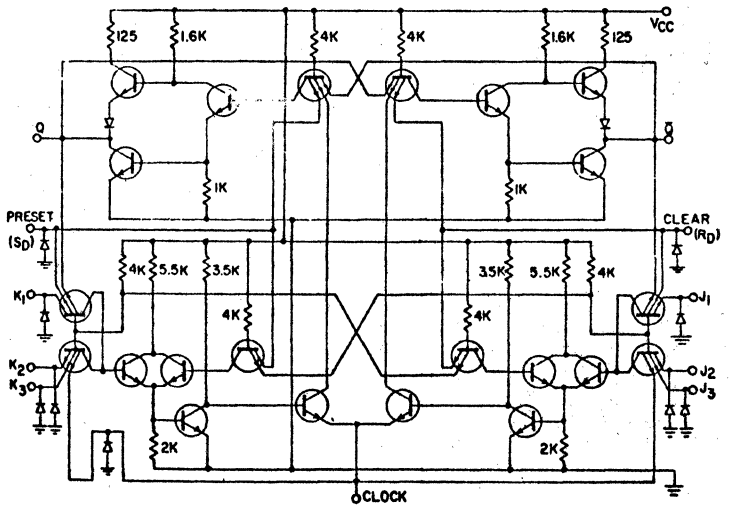
B02-203

	CKT	1J	$\overline{Q}$	Q	GND	K	CLOCK	CLEAR	VCC
B02-203	1	14	13	12	11	3	1	2	4
	2	7	8	9	11	10	5	6	4
B02-203a	1	1	2	3	7	4	12	13	14
	2	8	6	5	7	11	9	10	14



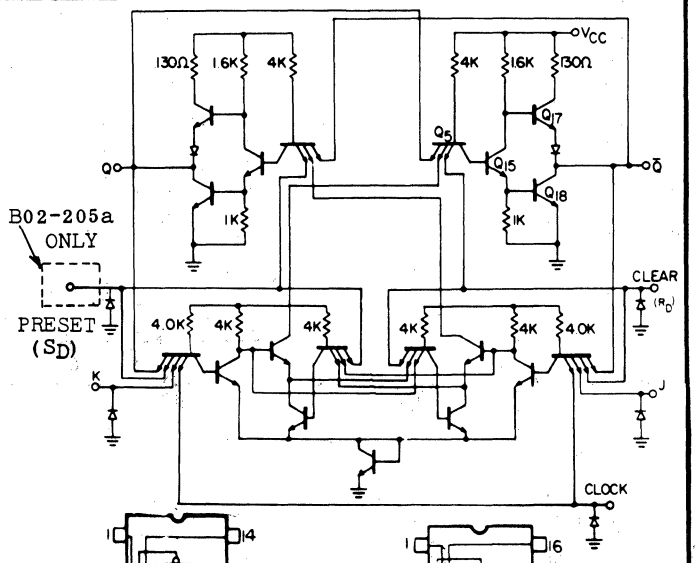
B02-204

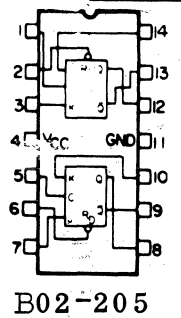




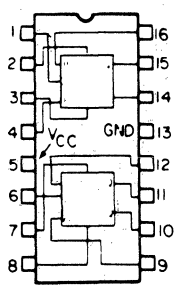
B02-205

HALF OF CIRCUIT SHOWN



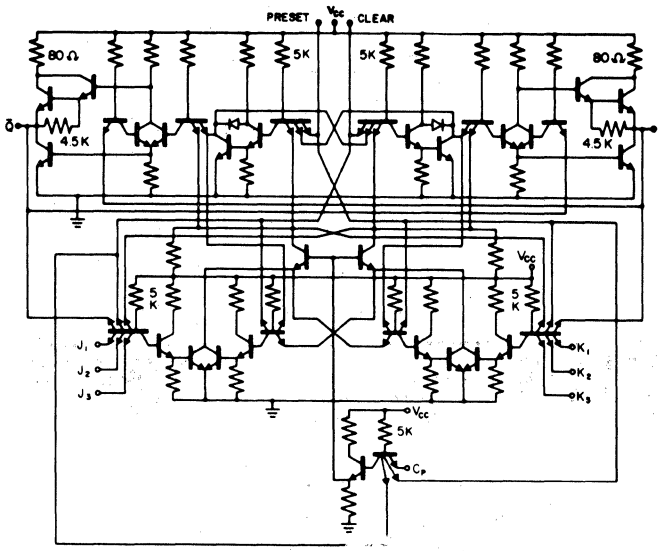


B02-205



B02-205a

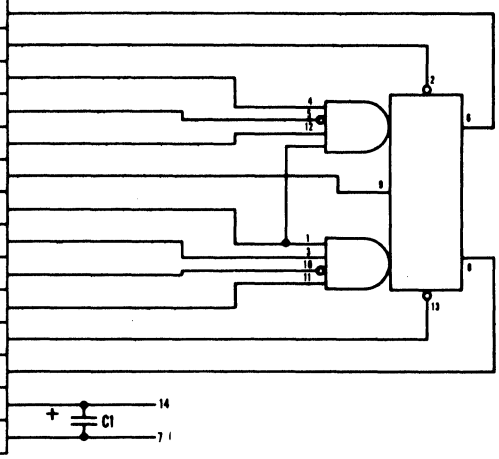
B02-208



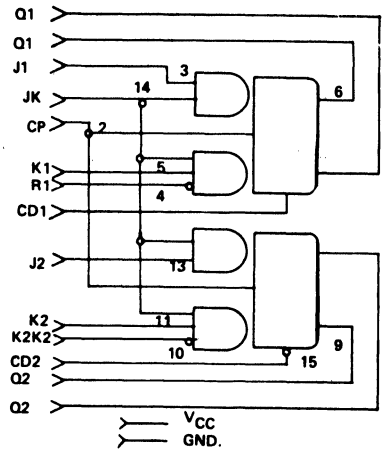
	PKG	CKT	CLEAR	J1	J2	J3	$\overline{Q}$	Q	K1	K2	K3	C	PRESET	VCC	GND
B02-208	FP	1	5	7	8	9	10	12	1	14	13	3	3	14	7
	M	1	2	3	4	5	6	8	11	10	9	12	13		

B02-209

FUNCTION	CONNECTOR PINS			
	IC1	IC2	IC3	IC4
Q	50	38	26	14
SD	46	34	22	10
J1	48	36	24	12
$\overline{J}$	47	35	23	11
J2	40	28	16	4
CP	39	27	15	8
JK	44	32	20	3
K1	49	37	25	13
$\overline{K}$	42	30	18	6
K2	41	29	17	5
CD	45	33	21	9
$\overline{Q}$	43	31	19	7
V_{CC}	51			
GRD	1		52	

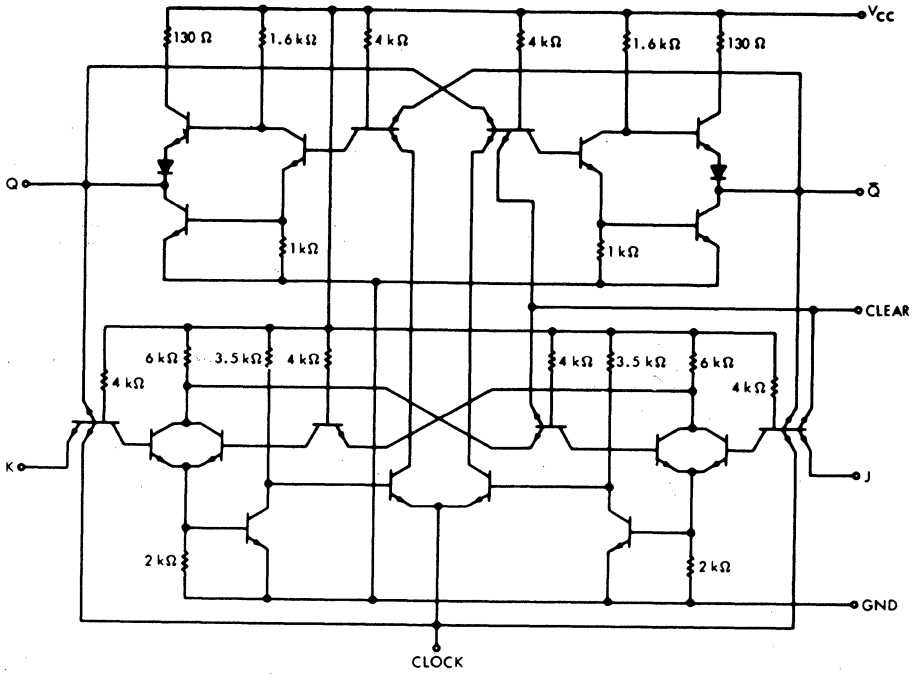


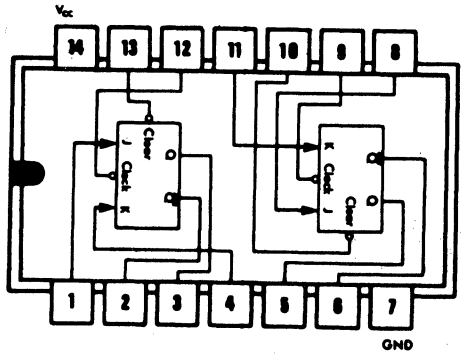
B02-210



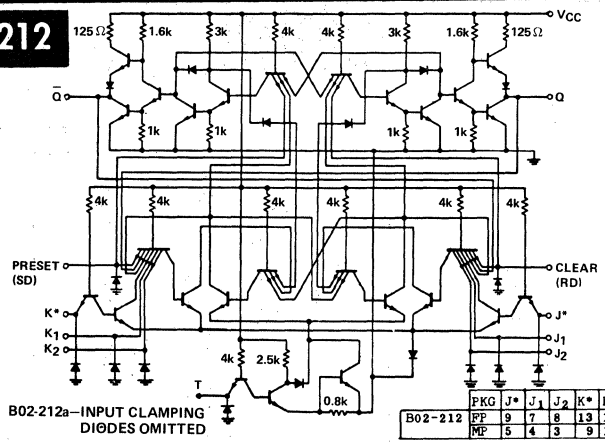
	CKT	Q1	Q1	J1	JK	CP	K1	K1	CD1	J2	K2	K2	CD2	$\overline{Q2}$	Q2	GND
B02-210	1	46	45	50	41	47	43	48	49	38	44	39	37	40	42	1,52
	2	28	27	32	23	29	25	30	31	20	26	21	19	22	24	
	3	12	11	16	7	13	9	14	15	4	10	5	3	6	8	

B02-211





B02-212

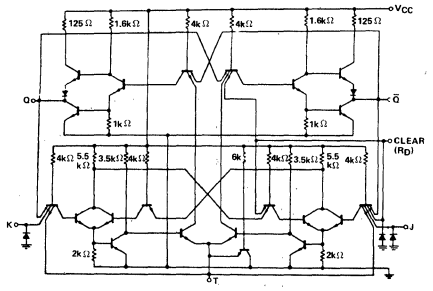


B02-212a—INPUT CLAMPING DIODES OMITTED

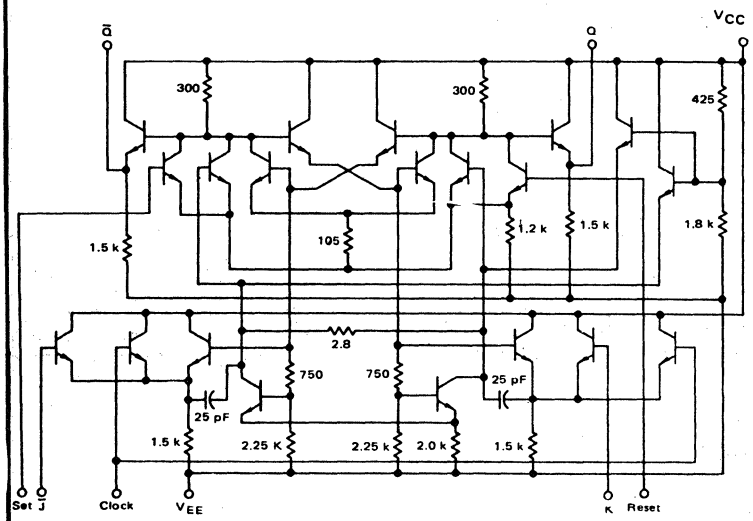
	PKG	J*	J_1	J_2	K*	K_1	K_2	T	R_D	S_D	Q	$\bar{Q}$	VCC	COM
B02-212	FP	9	7	8	13	14	1	2	5	3	12	10	4	11
	MP	5	4	3	9	11	10	12	2	13	8	6	14	7

B02-213

	CKT	J	K	T	RD	Q	$\bar{Q}$	VCC	COM
B02-213	1	14	3	1	2	12	13	4	11
	2	7	10	5	6	9	8		
B02-213a	1	1	4	12	13	3	2	14	7
	2	8	11	9	10	5	6		

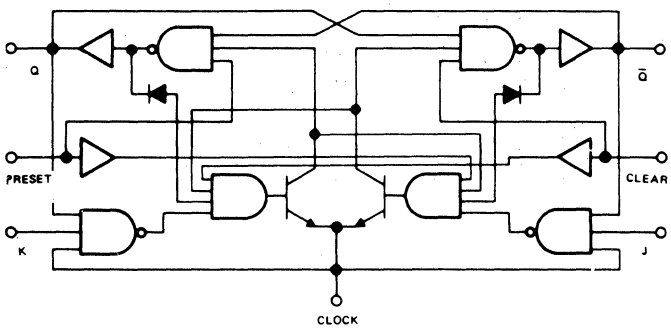


B02-214

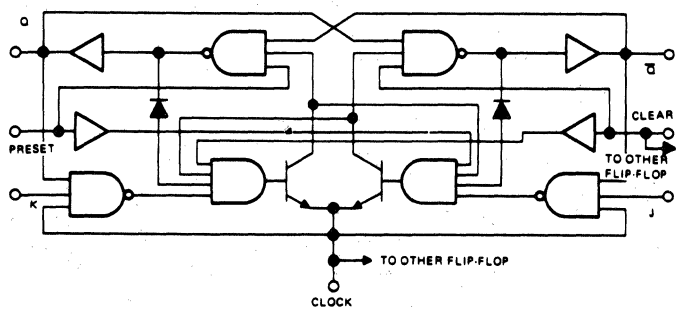


	CKT	S	$\bar{J}$	C	$\bar{K}$	R	$\bar{Q}$	Q	VEE	VCC
B02-214	1	6	5	4	3	2	7	1	8	16
	2	10	11	12	13	14	9	15		

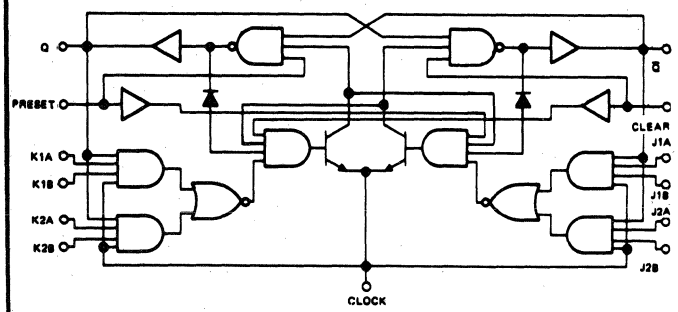
B02-217



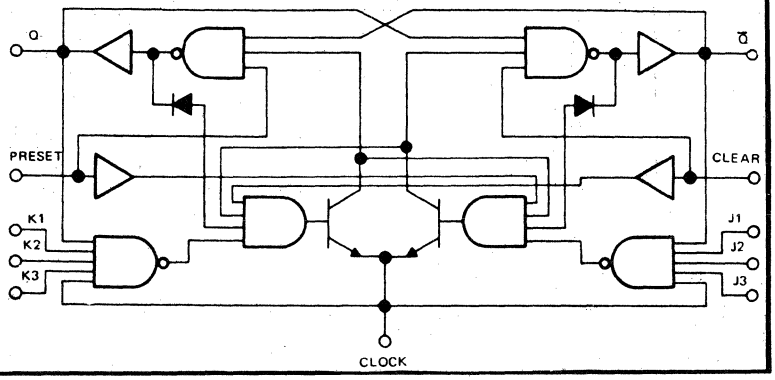
B02-218



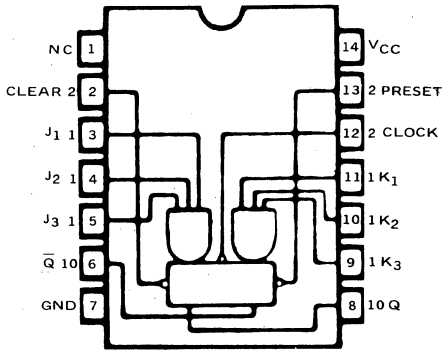
B02-219



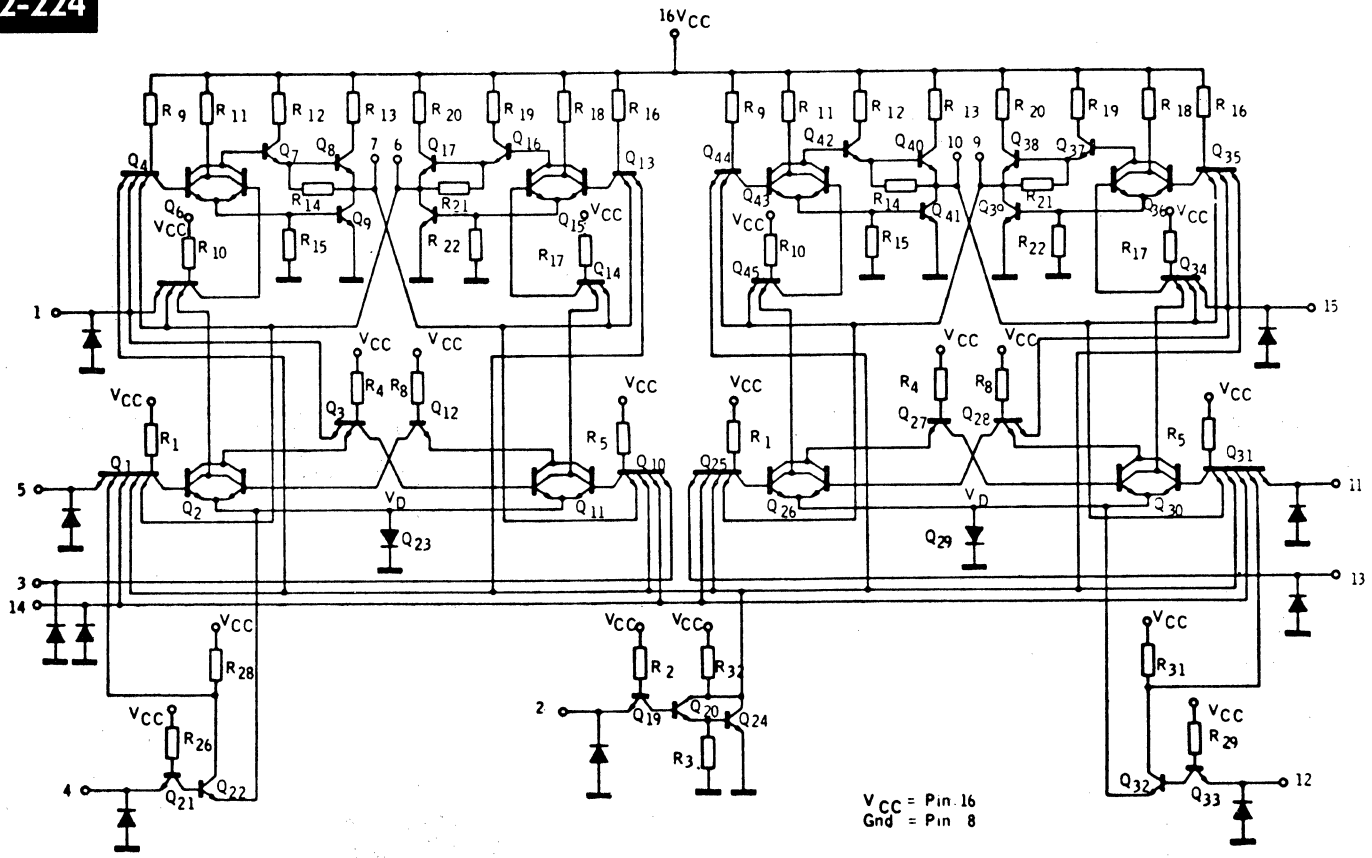
B02-220



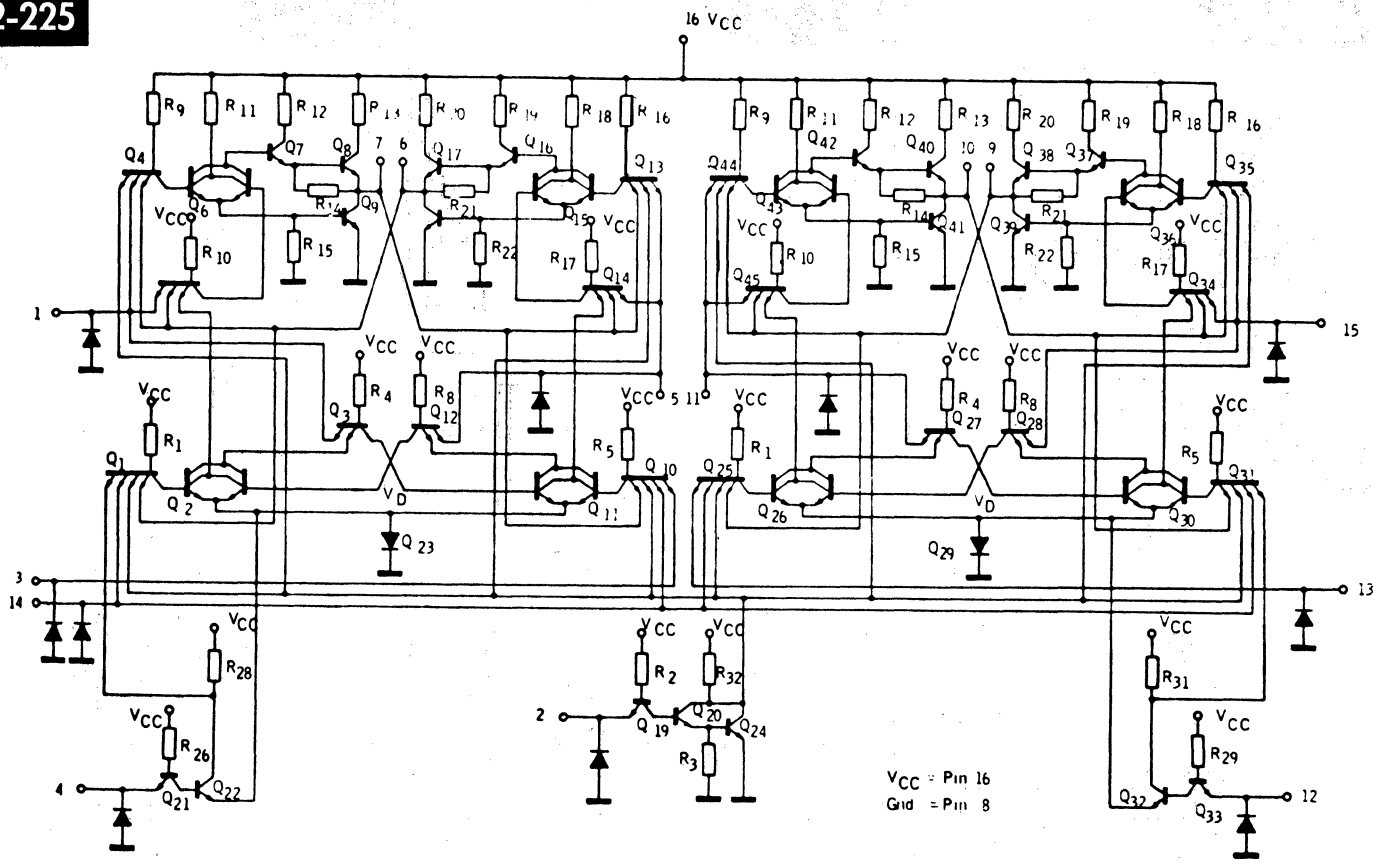
B02-221



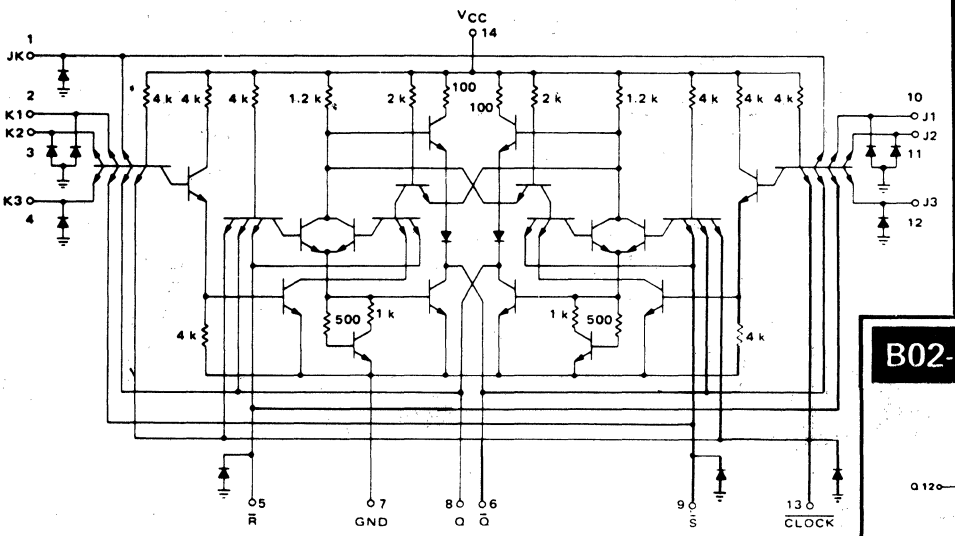
B02-224



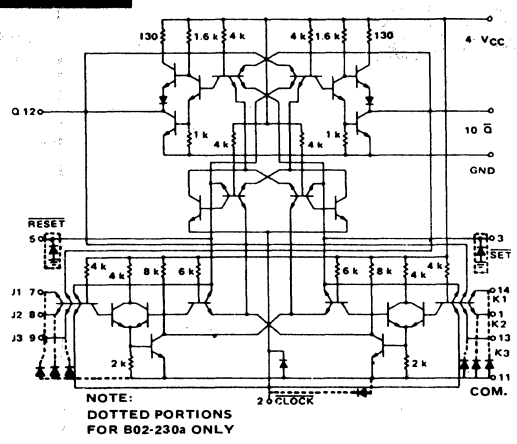
B02-225



B02-227

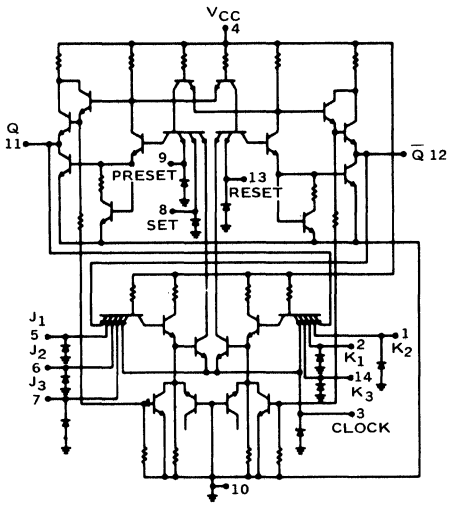


B02-230

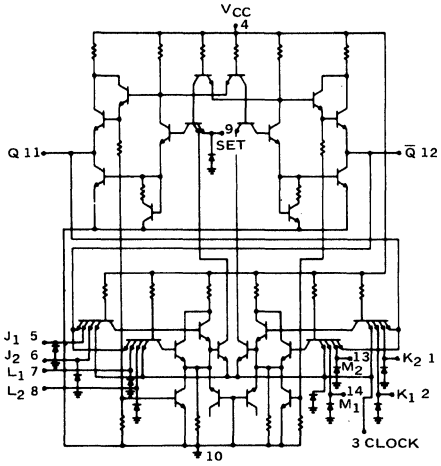


NOTE:
DOTTED PORTIONS FOR B02-230a ONLY

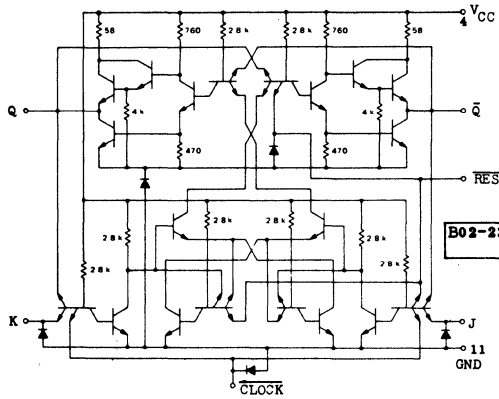
B02-231



B02-232

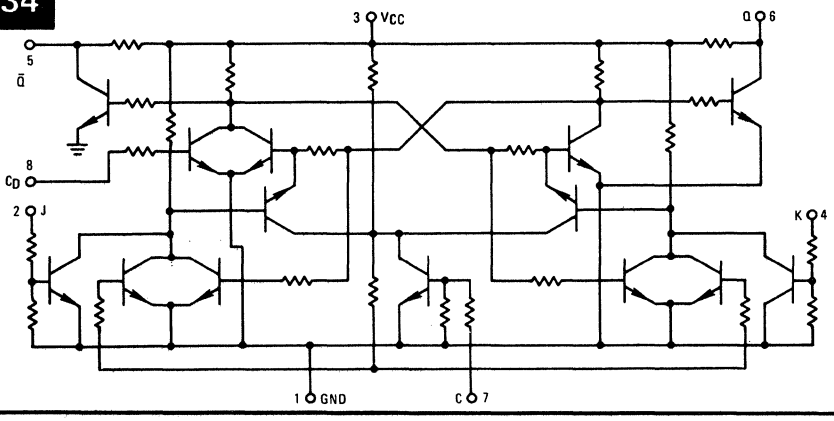


B02-233

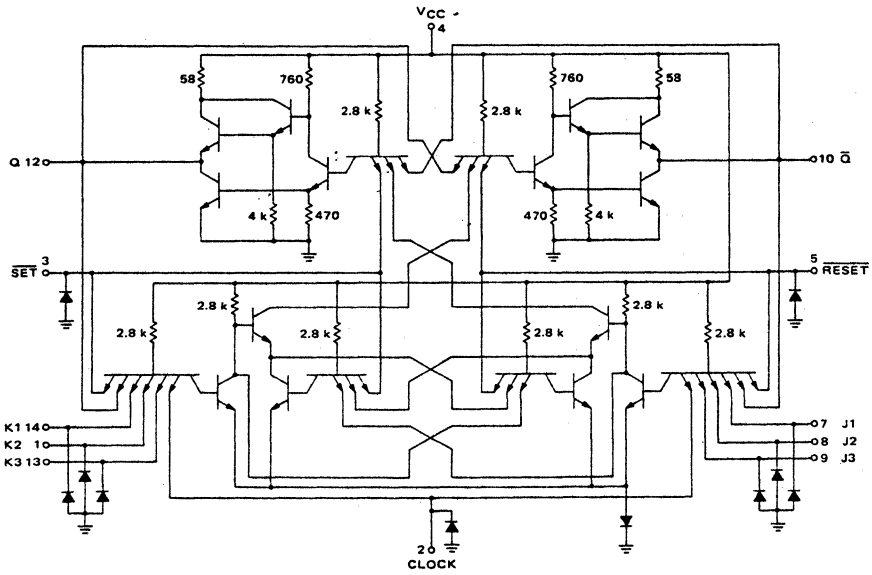


B02-233	CKT	J	K	R	C	Q	Q̄
	1	14	3	2	1	12	13
	2	7	10	6	5	9	8

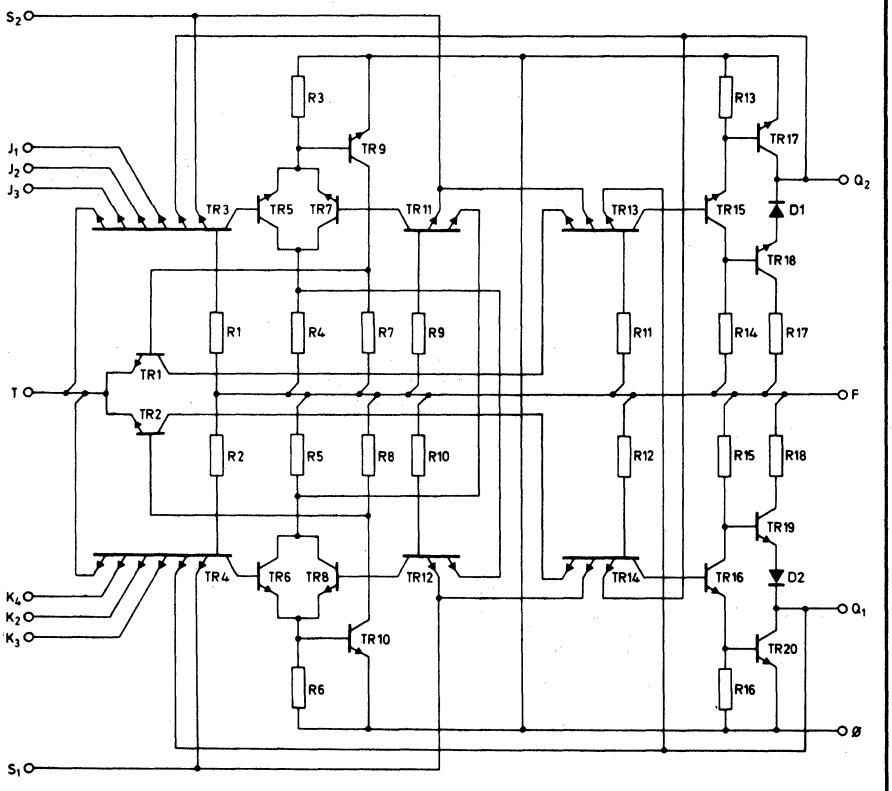
B02-234



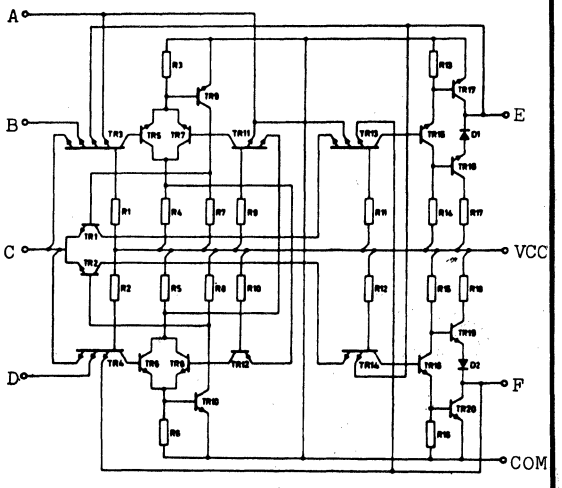
B02-235



B02-237

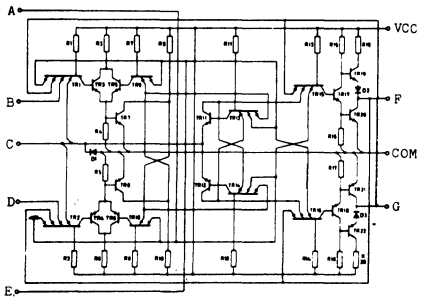


B02-238



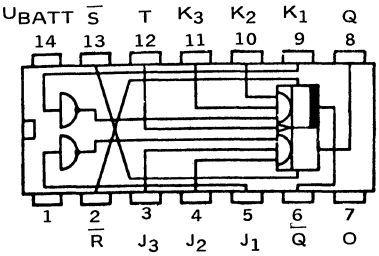
	CKT	A	B	C	D	E	F	VCC	COM
B02-238	1	2	14	1	3	13	12	4	11
	2	6	7	5	10	8	9		
B02-238a	1	13	1	12	4	2	3	14	7
	2	10	8	9	11	6	5		

B02-239

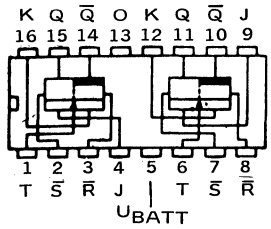


	CKT	A	B	C	D	E	F	G	VCC	COM
B02-239	1	2	4	1	16	3	15	14	5	13
	2	7	9	6	12	8	11	10		

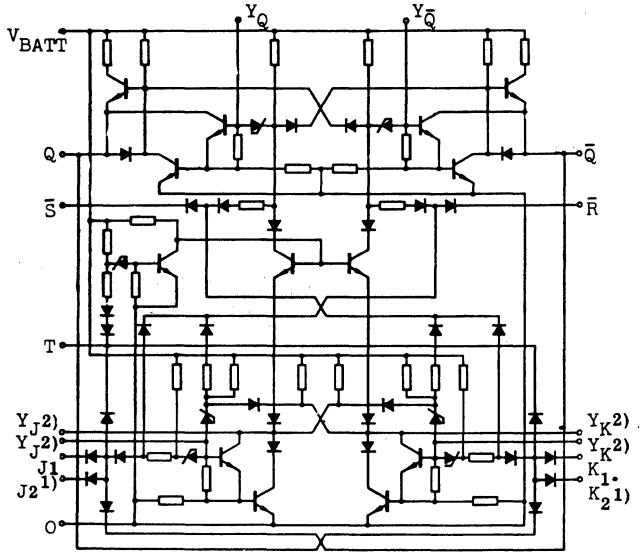
B02-240



B02-241

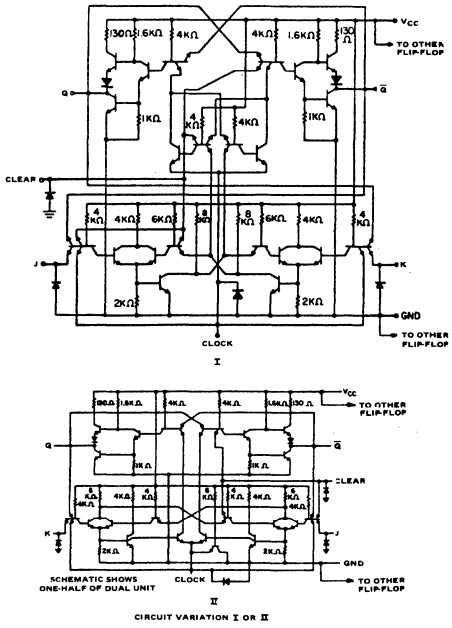


B02-242



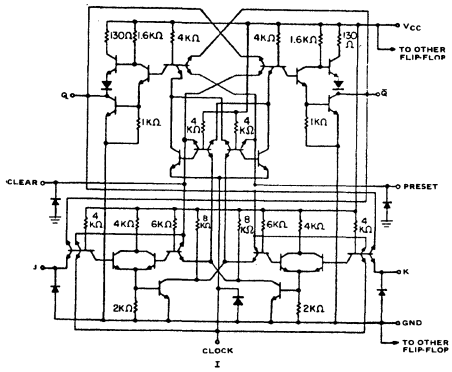
1) FOR B02-242 ONLY.
2) FOR B02-242a ONLY.

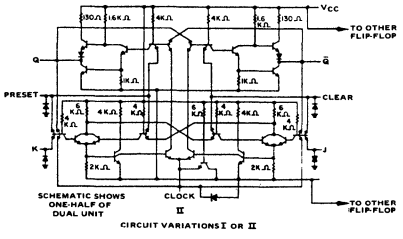
B02-243



	PKG	CKT	J	K	Q	Q̄	CLEAR	CLOCK	VCC	GND
B02-243	FP,M	1	14	3	12	13	2	1	4	11
		2	7	10	9	8	6	5		
B02-243a	M	1	1	4	3	2	13	12	14	7
		2	8	11	5	6	10	9		

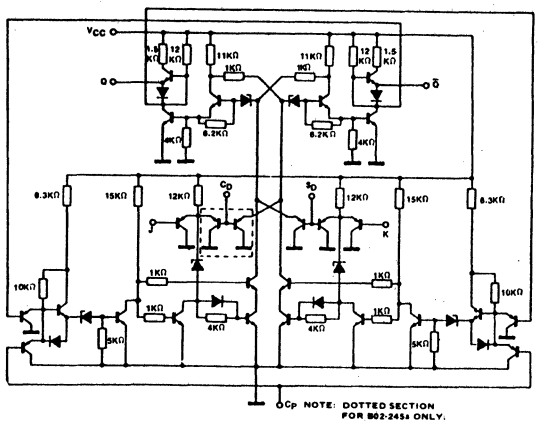
B02-244





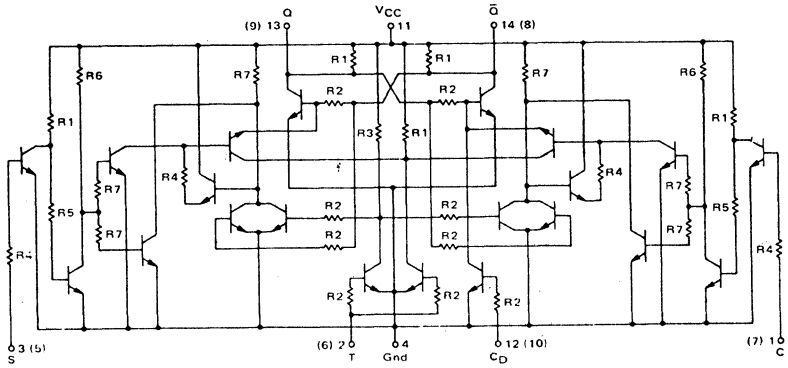
	CKT	J	K	Q	Q̄	CLEAR	CLOCK	PRESET	VCC	GND
B02-244	1	4	16	15	14	3	1	2	5	13
	2	9	12	11	10	8	6	7		

B02-245



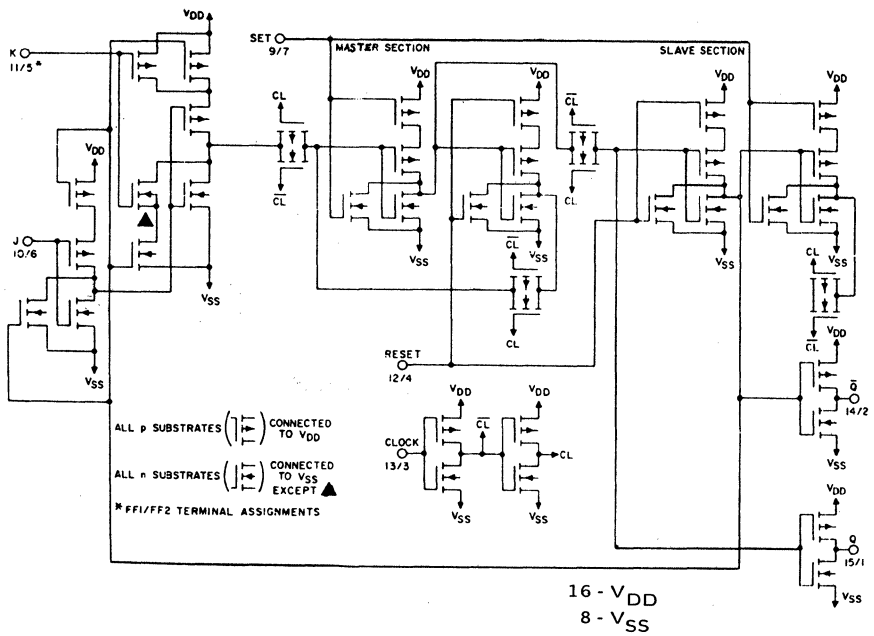
	CKT	J	K	CD	SD	CD	Q	$\overline{Q}$	VCC	GND
B02-245	1	3	2		4	1	6	5	14	7
	2	11	12		10	13	8	9		
B02-245a	1	3	2	5	4	1	7	6	16	8
	2	13	14	11	12	15	9	10		

B02-246



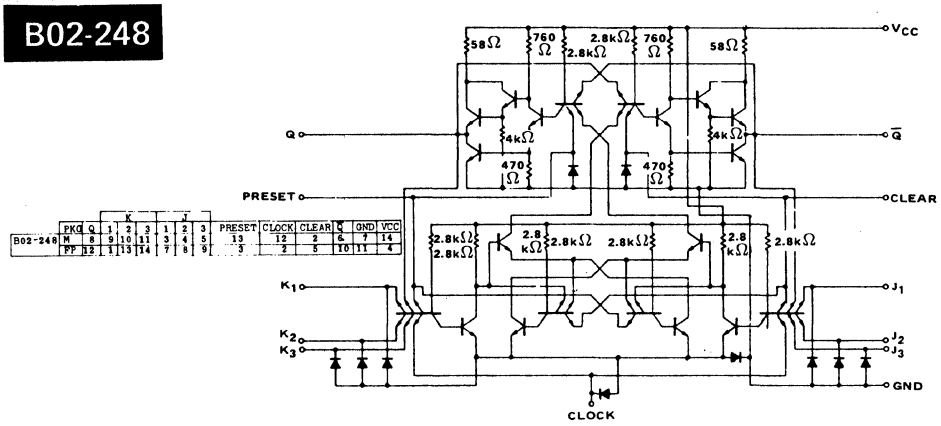
NUMBERS IN PARENTHESIS INDICATE PIN CONNECTIONS FOR SECOND CIRCUIT.

B02-247



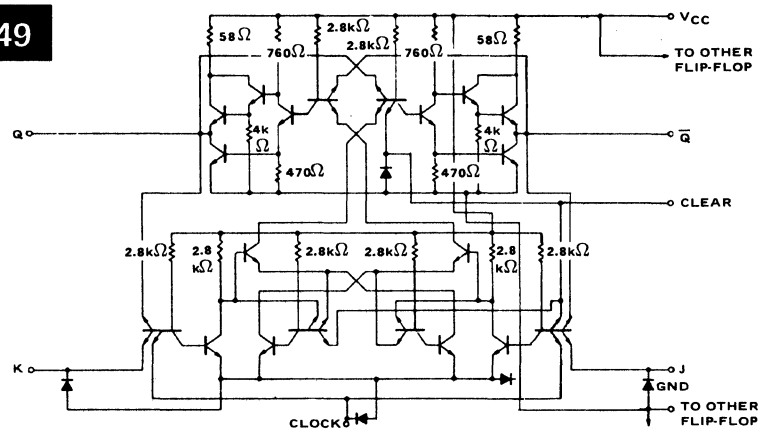
16 - V_{DD}
8 - V_{SS}

B02-248

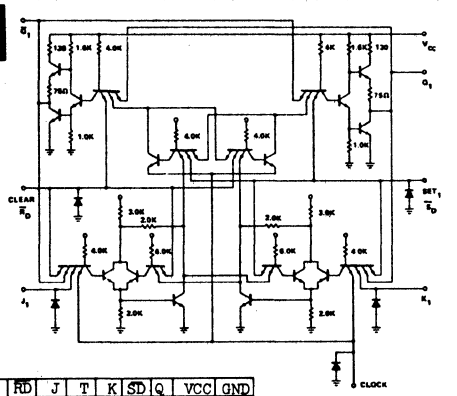


	PKG	Q	1	2	3	1	2	3	PRESET	CLOCK	CLEAR	Q̄	GND	VCC
B02-248	N	8	9	10	11	3	4	5	13	12	2	6	7	14
	FP	12	11	13	14	7	8	9	3	2	5	10	11	4

B02-249

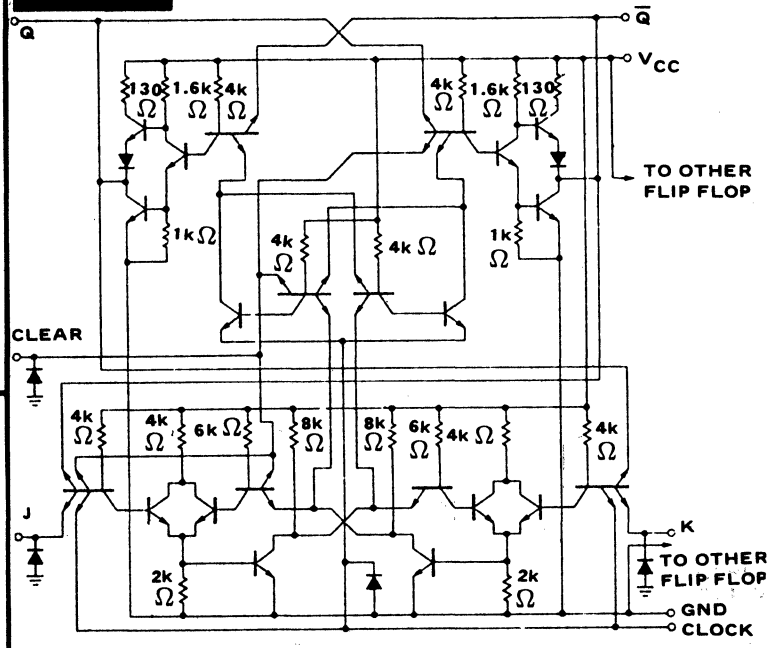


B02-250



	CKT	Q	R̄D	J	T	K	S̄D	Q	VCC	GND
B02-250	1	10	13	11	12	15	14	9	16	8
	2	5	3	4	1	7	2	6		

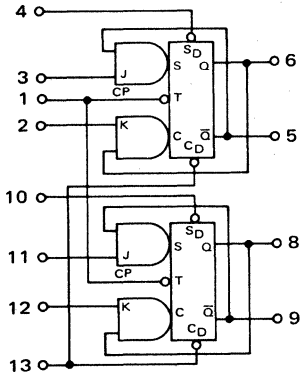
B02-251



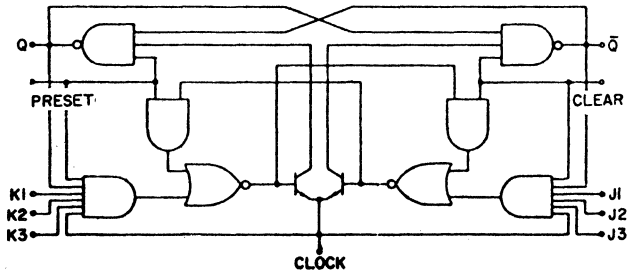
NOTE: COMPONENT VALUES SHOWN ARE NOMINAL.

	CKT	Q	Q̄	J	C̄K	K	VCC	GND
B02-251	1	3	2	1	12	4	14	7
	2	5	6	8	9	11		

B02-254

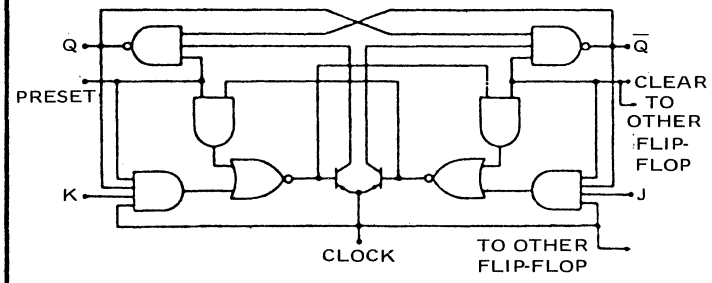


B02-255



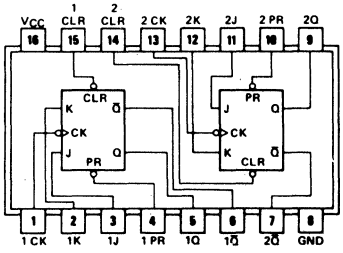
	PKG	Q	$\overline{Q}$	PRESET	CLEAR	CLOCK	K			J			VCC	GND
							1	2	3	1	2	3		
B02-255	FP	12	10	3	5	2	1	13	14	7	8	9	4	11
	M	8	6	13	2	12	9	10	11	3	4	5	14	7

B02-256

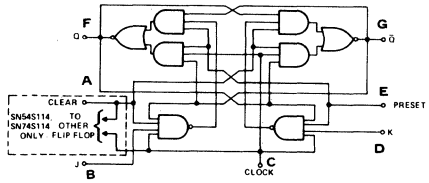


	CKT NO.	Q	PRESET	K	CLOCK	J	CLEAR	$\overline{Q}$	VCC	GND
B02-256	1	13	2	14	1	3	5	12	4	11
	2	8	6	7		10		9		

B02-257

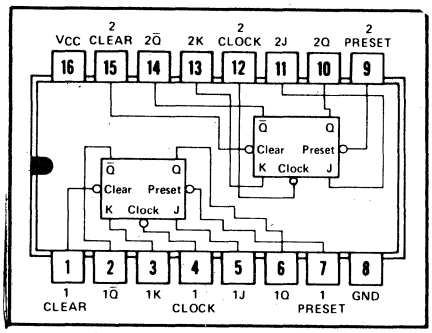


B02-258

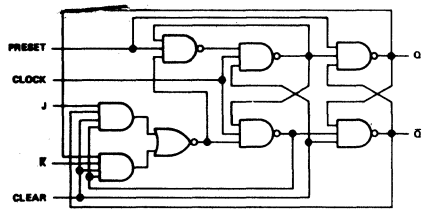


	CKT	A	B	C	D	E	F	G	VCC	GND
B02-258	1	NA	3	1	2	4	5	6	14	7
	2	NA	11	13	12	10	9	8	14	7
B02-258a	1	1	3	13	2	4	5	6	14	7
	2	1	11	13	12	10	9	8	14	7

B02-259

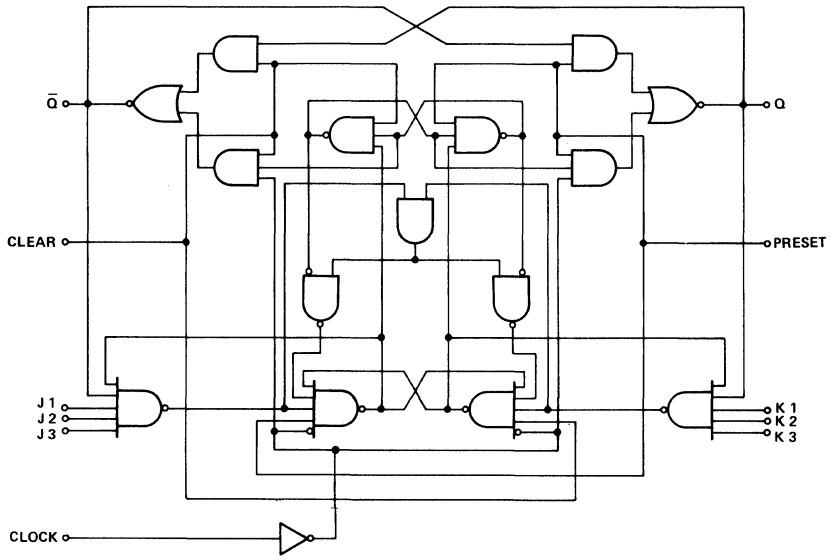


B02-260

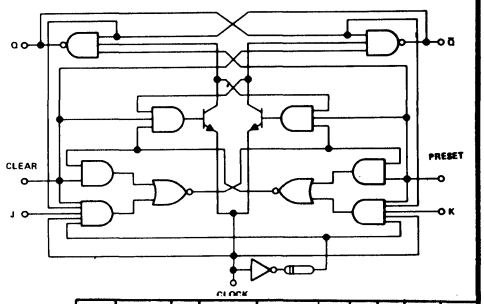


	CKT	PRESET	CK	J	$\overline{K}$	CLEAR	Q	$\overline{Q}$	GND	VCC
B02-260	1	5	4	2	3	1	6	7	8	16
	2	11	12	14	13	15	10	9		

B02-261

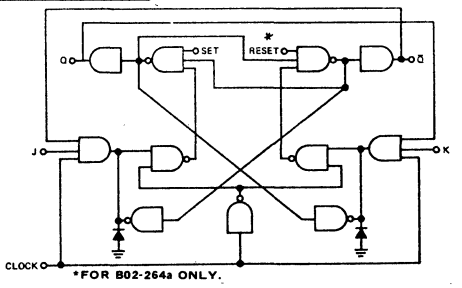


B02-262



	CKT	CLEAR	J	CLOCK	PRESET	K	Q	Q̄	GND	VCC
B02-262	1	3	4	5	2	1	7	6	8	16
	2	13	12	11	14	15	9	10		

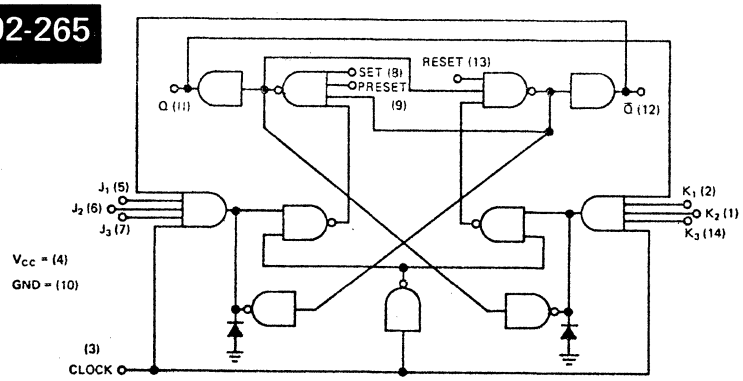
B02-264



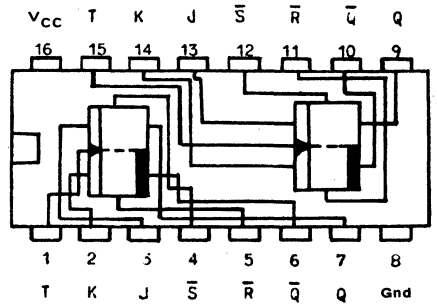
*FOR B02-264a ONLY.

	CKT	J	K	CLOCK	SET	RESET	Q	Q̄	VCC	GND
B02-264	1	2	1	3	14		13	12	4	10
	2	6	7	5	8		9	11		
B02-264a	1	2	1	3	14	5	13	12	4	10
	2	6	7		8		9	11		

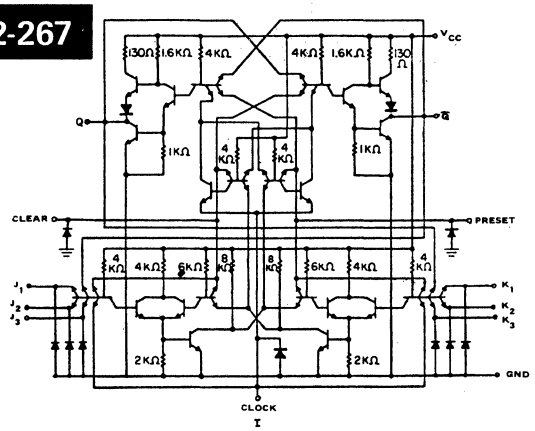
B02-265

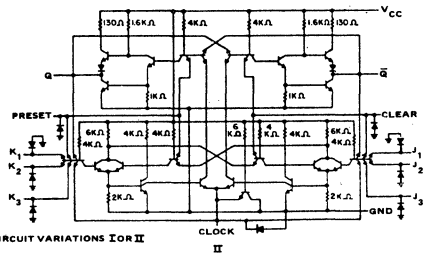


B02-266



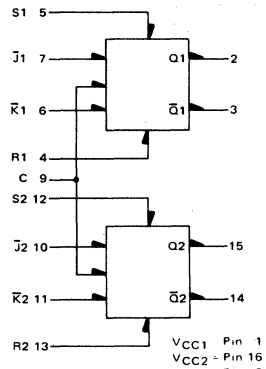
B02-267





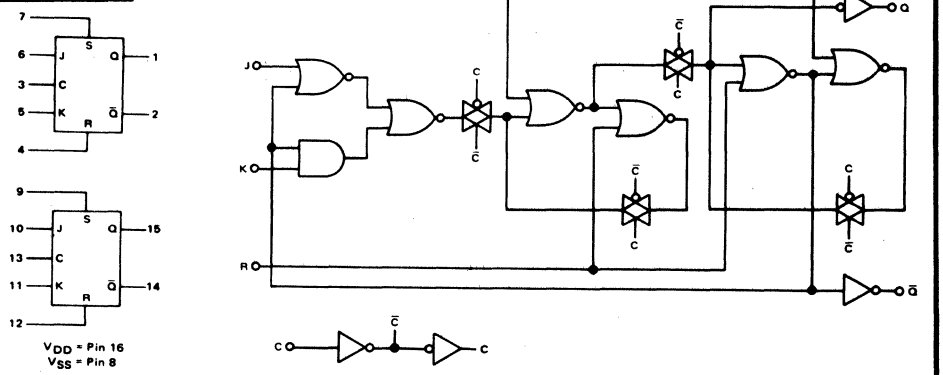
	PKG	J			K			CLOCK	PRESET	CLEAR	VCC	Q	Q̄	GND
		1	2	3	1	2	3							
B02-267	FP	7	8	9	1	13	14	2	3	5	4	12	10	11
B02-267a	MP	3	4	5	9	10	11	12	13	2	14	8	6	7

B02-268

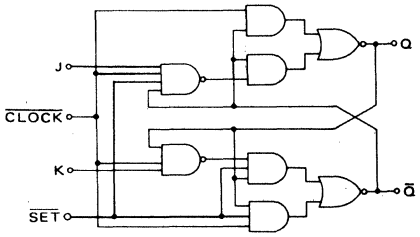


B02-269

(1/2 of Device Shown)

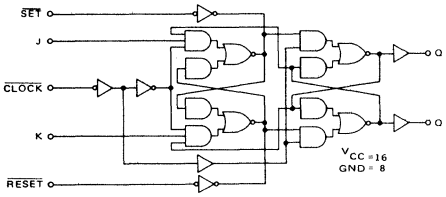


B02-270



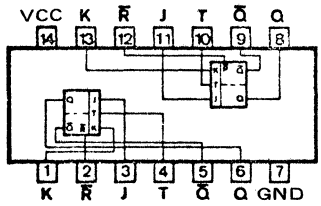
	CKT	S	J	C̄	K	Q	Q̄
B02-270	1	6	7	5	10	9	8
	2	14	1	3	2	12	13

B02-271

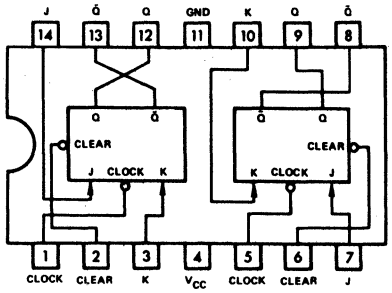


	CKT	S̄	J	C̄	K	R̄	Q	Q̄
B02-271	1	4	3	1	2	5	6	7
	2	12	13	15	14	11	10	9

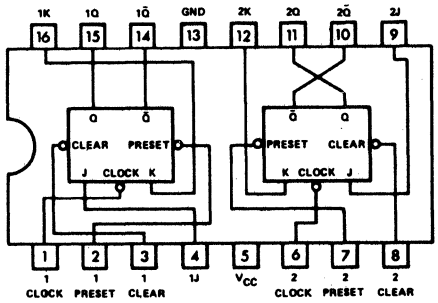
B02-273



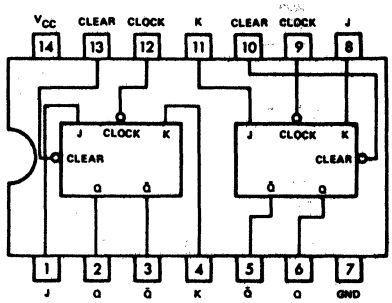
B02-274



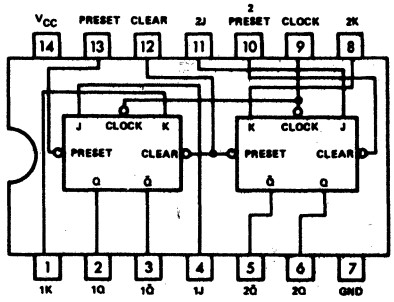
B02-275



B02-276

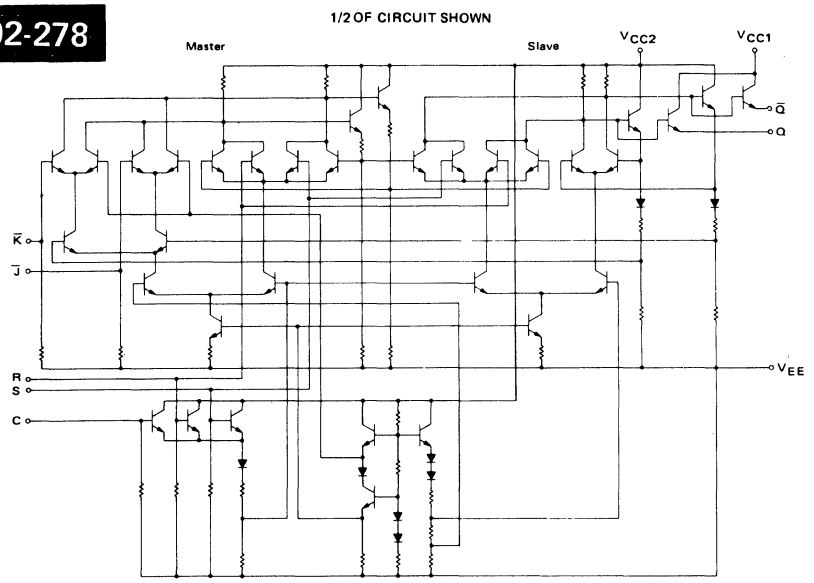


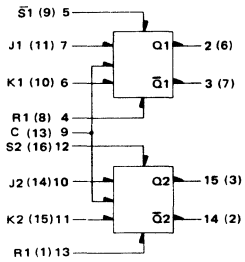
B02-277



B02-278

1/2 OF CIRCUIT SHOWN

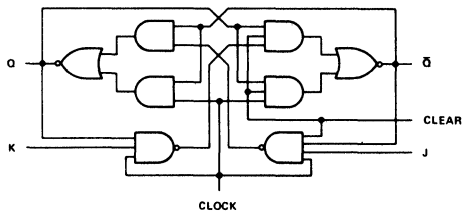




Numbers at ends of terminals denote pin numbers for L package

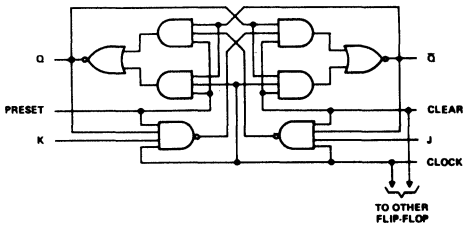
Numbers in parenthesis denote pin numbers for F package

B02-280



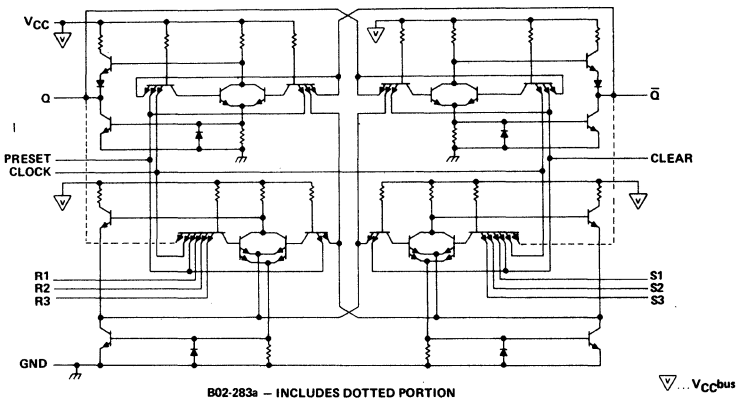
	CKT	J	K	CLOCK	CLEAR	Q	$\overline{Q}$
B02-280	1	17	3	18	1	14	16
	2	8	12	5	7	11	9
B02-280a	1	1	4	12	13	3	2
	2	8	11	9	10	5	6

B02-281



	CKT	J	K	CLOCK	CLEAR	PRESET	Q	$\overline{Q}$
B02-281	1	3	17	18	5	1	16	14
	2	12	8			7	9	11

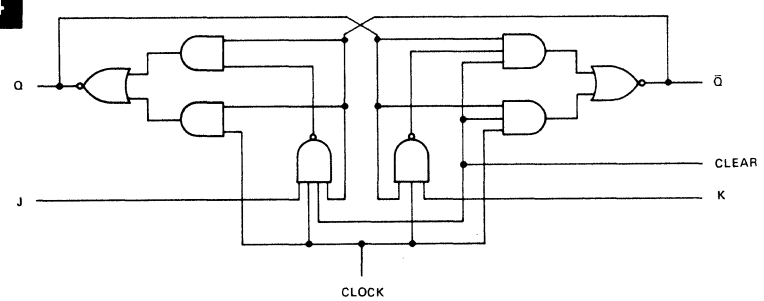
B02-283



B02-283a – INCLUDES DOTTED PORTION

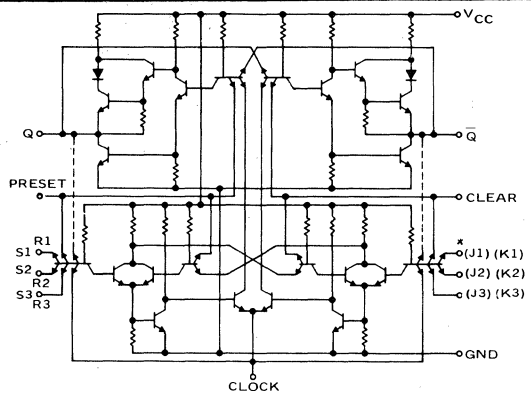
▽...V_{CC} bus

B02-284



	CKT	J	K	CLOCK	CLEAR	Q	$\overline{Q}$
B02-284	1	14	3	1	2	12	13
	2	7	10	5	6	9	8

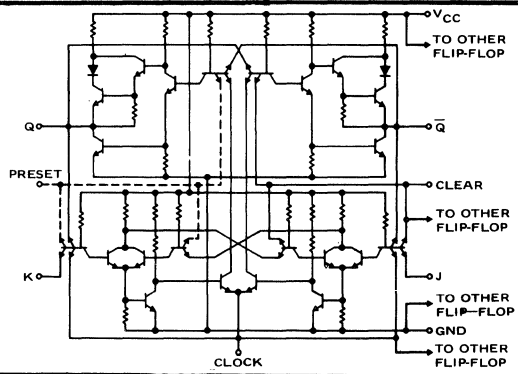
B02-285



	PKG	Q	Q̄	PRESET	R1	R2	R3	S1	S2	S3	CLOCK	CLEAR	VCC	GND
B02-285	M	8	6	13	9	10	11	3	4	5	12	2	14	7
	FP	12	10	3	1	13	14	7	8	9	2	5	4	11

NOTE: DOTTED CONNECTIONS AND * REFER TO B02-285 a ONLY

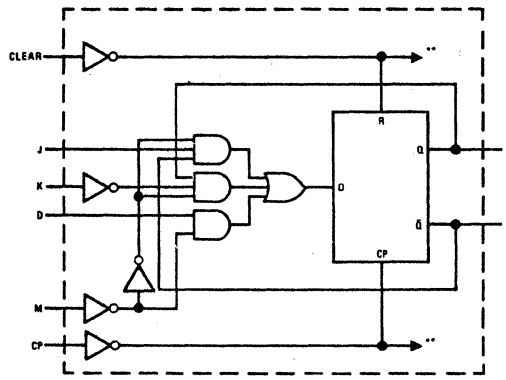
B02-286



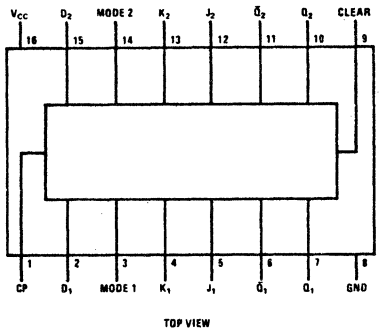
	PKG	CKT NO.	J	CLOCK	PS	K	CLEAR	Q	Q̄	VCC	GND
B02-286	M,	1	14	1		3	2	12	13	4	11
	FP	2	7	5		10	6	9	8		
B02-286a	M,	1	3	1	2	14	5	13	12	4	11
	FP	2	10		6	7		8	9		

NOTE: DOTTED CONNECTIONS REFER TO B02-286a ONLY

B02-287

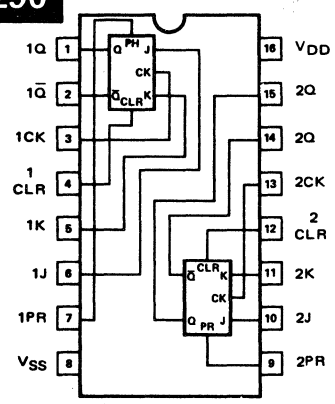


*ONLY LOGIC FOR ONE OF THE TWO FLIP FLOPS IS SHOWN.
**CLOCK AND CLEAR ARE COMMON TO BOTH FLIP FLOPS.

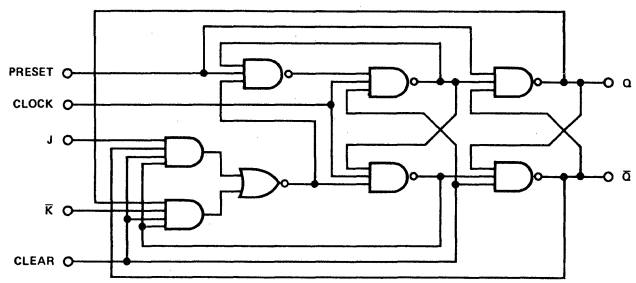


TOP VIEW

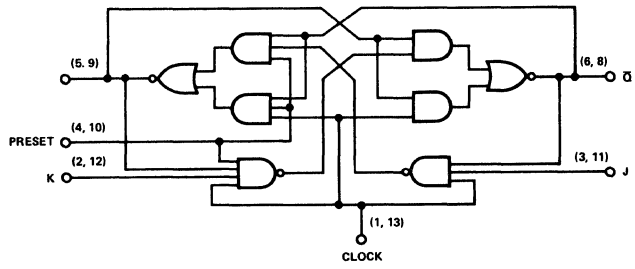
B02-290



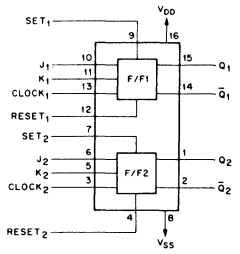
B02-293



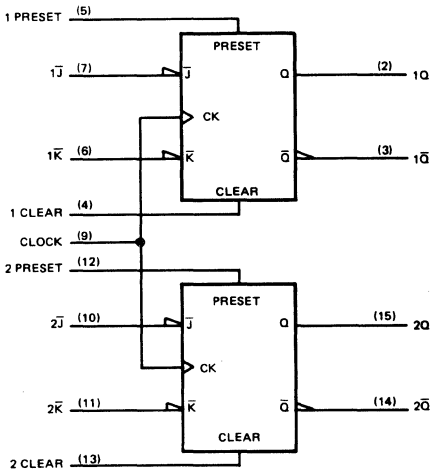
B02-294



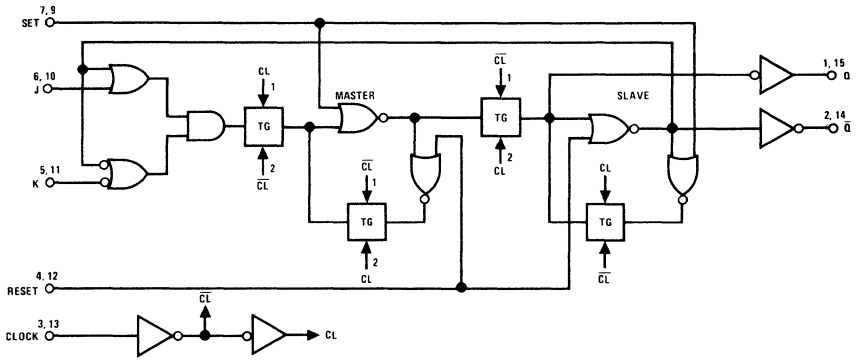
B02-295



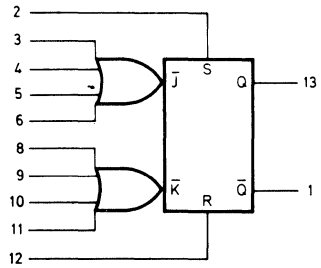
B02-296



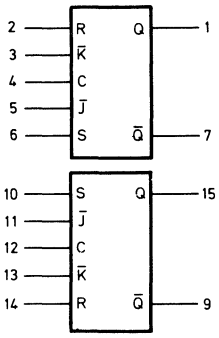
B02-297



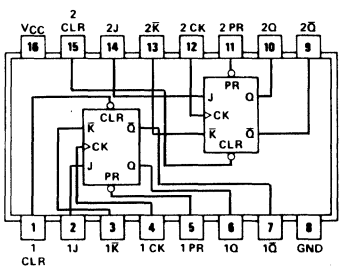
B02-298



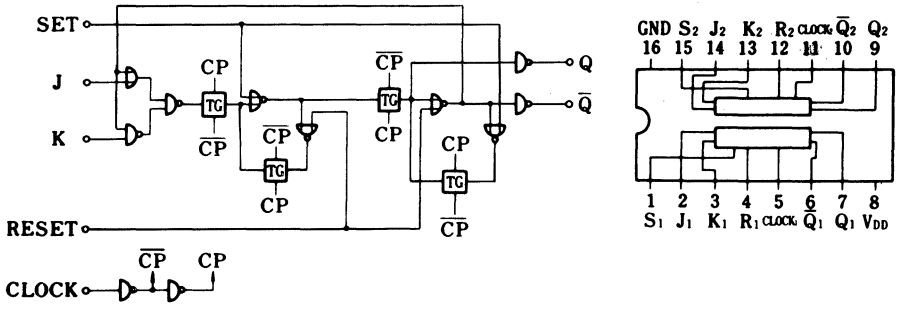
B02-299



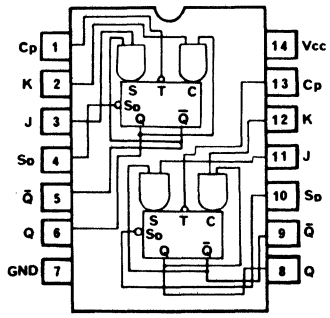
B02-300



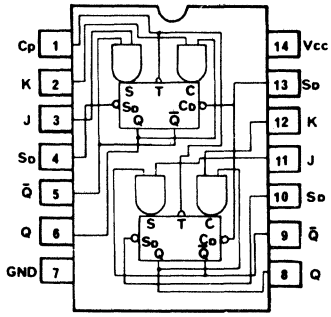
B02-301



B02-302

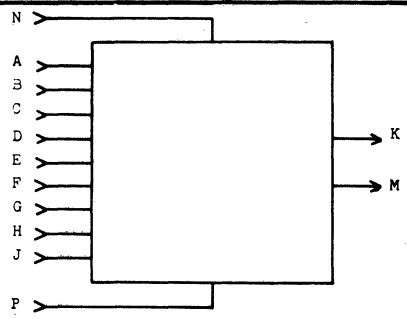


B02-302



B02-302a

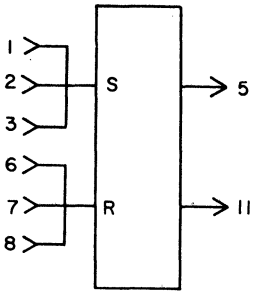
B03-8

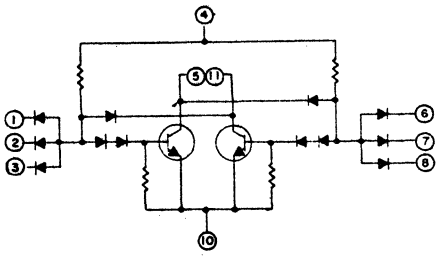


NOTE: PIN DESIGNATORS ARE IN PARENTHESIS WHEN GIVEN.

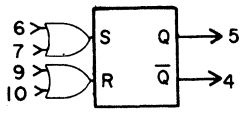
CKT NO	A	B	C	D	E	F	G	H	J	K	M	N	P	VCC	COM
B03-8m 1	R(D)	S(H)								O(E)	1(F)				
2	R(J)	S(M)								O(K)	1(L)				
3	R(N)	S(S)								O(P)	1(R)				
4	R(N)	S(V)								O(T)	1(U)				
B03-8n 1	R(D)	S(H)								O(E)	1(F)				
B03-8p 1	S(6)	J(4)	P(3)	K(5)	R(7)					Q(9)	Q(8)				
2	S(15)	J(17)	P(18)	K(16)	R(14)					Q(12)	Q(13)				
3	S(22)	J(20)	P(19)	K(21)	R(23)					Q(25)	Q(24)				
4	S(31)	J(33)	P(34)	K(32)	R(30)					Q(28)	Q(29)				
5	S(38)	J(36)	P(35)	K(37)	R(39)					Q(41)	Q(40)				
6	S(47)	J(49)	P(50)	K(46)	R(46)					Q(44)	Q(45)				
B03-8q 1	J(5)	S(7)	T(4)	R(1)	K(3)					Q(6)	Q(2)				
2	J(11)	S(9)	T(12)	R(15)	K(13)					Q(10)	Q(14)				
B03-8r 1	J(2)	S(14)	T(3)		K(1)					Q(13)	Q(12)				
2	J(6)	S(8)	T(5)		K(7)					Q(9)	Q(11)				
B03-8s 1	J(2)	S(14)	T(3)	R(5)	K(1)					Q(13)	Q(12)				
2	J(6)	S(8)	T(3)	R(5)	K(7)					Q(9)	Q(11)				
B03-8t 1	J(5)	T(4)	K(2)							Q(6)	Q(1)	RD(3)			
2	J(9)	T(10)	K(12)							Q(8)	Q(13)	RD(11)			
B03-8u 1	J(5)	T(4)	K(2)							Q(6)	Q(1)	RD(3)		14	4
2	J(9)	T(10)	K(12)							Q(8)	Q(13)	RD(11)		14	4
B03-8v 1	J(3)	T(4)	K(1)							Q(12)	Q(10)	S1(8)	S2(6)		
B03-8w 1	J(7)	T(1)	K(5)							Q(3)	Q(2)	R(9)	PS(6)		
B03-8x 1	D(10)	C1(8)	C2(7)							Q(2)	Q(3)	S(5)	R(4)		
B03-8y 1	D(10)	C1(8)	C2(6)							Q(2)	Q(3)	S(5)	R(4)		
B03-8z 1	D(9)	C1(8)								Q(13)	Q(12)	S(10)	R(11)		
2	D(6)	C1(7)								Q(2)	Q(3)	S(5)	R(4)		
B03-8aa 1	DS(V)									Q(D)	Q(E)				

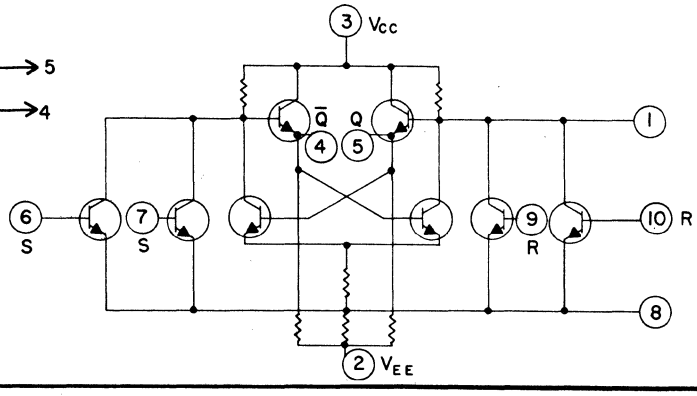
B03-19



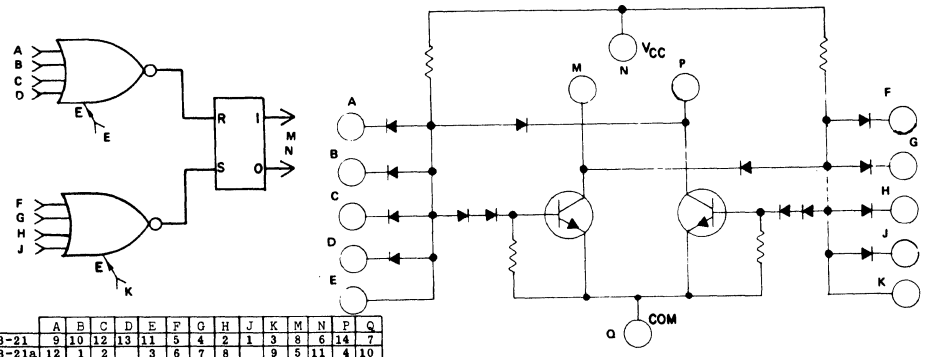


B03-20



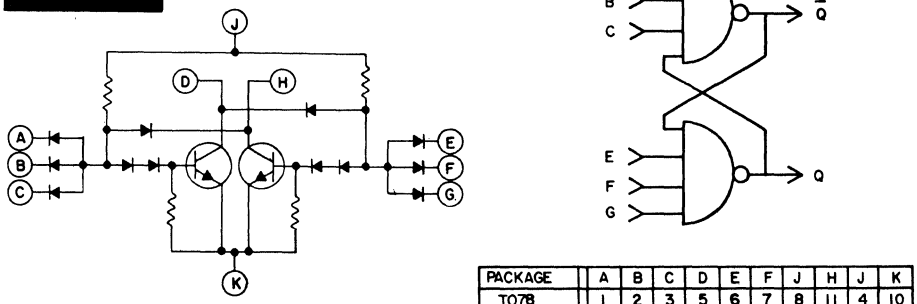


B03-21



	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
B03-21	9	10	12	13	11	5	4	2	1	3	8	6	14	7
B03-21a	12	1	2		3	6	7	8		9	5	11	4	10
B03-21b	10	11	12		13	3	4	5		6	1	8	7	14

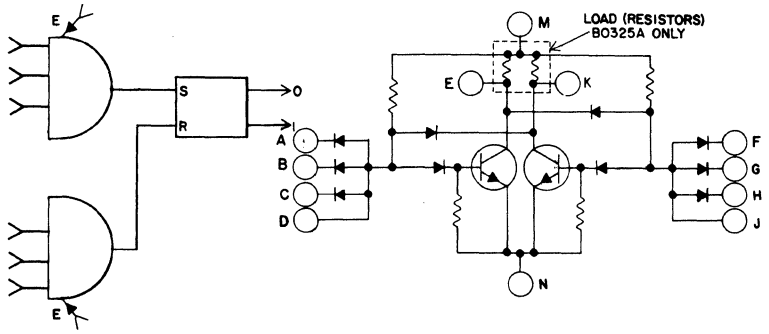
B03-24



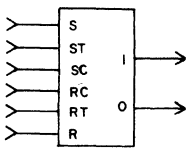
PACKAGE	A	B	C	D	E	F	J	H	J	K
TO78	1	2	3	5	6	7	8	11	4	10
TO84	3	4	5	8	10	11	12	1	7	14
TO91	2	3	4	6	7	8	9	1	5	10

B03-25

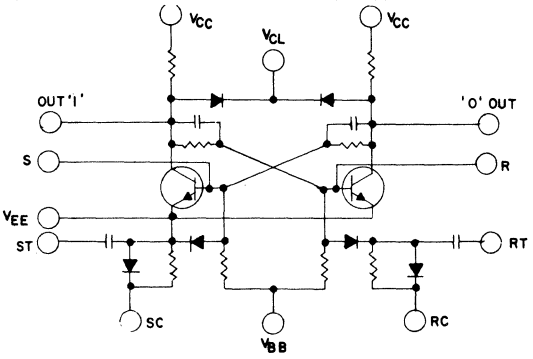
PACKAGE	A	B	C	D	E	F	G	H	J	K	M	N
CN18	12	1	2	3	5	6	7	8	9	11	4	10
TO84A	10	11	12	13	1	3	4	5	6	8	7	14



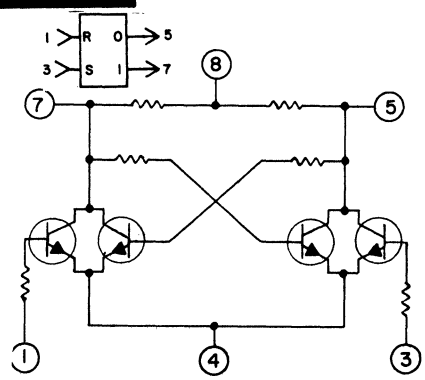
B03-56



	B0356	B0356A		B0356	B0356 A
1	V_{EE}	RC	11	V_{CL}	V_{EE}
2	V_{BB}	SC	12	–	V_{CL}
3	RC	'I'	13	V_{CC}	V_{CC}
4	RT	'O'	14	'O'	V_{CC}
5	–	RT	15	–	–
6	R	ST	16	–	–
7	–	–	17	S	–
8	–	S	18	–	–
9	'I'	R	19	ST	
10	V_{CC}	V_{BB}	20	SC	

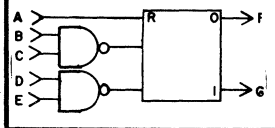


B03-60

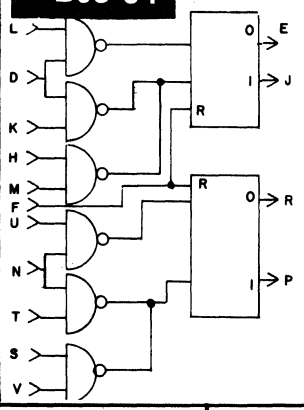


B03-62

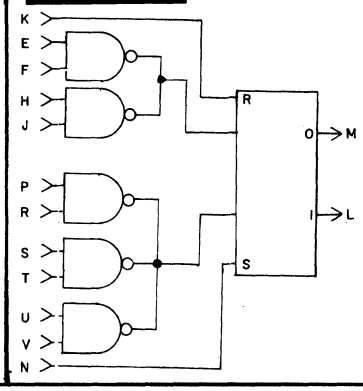
	2CKTS B0362	3CKTS B0362A
A	F	R D K R
B	D	N J P V
C	E	P H N U
D	L	V
E	K	U
F	H	S E L S
G	J	T F M T
CKT NO	1	2 1 2 3



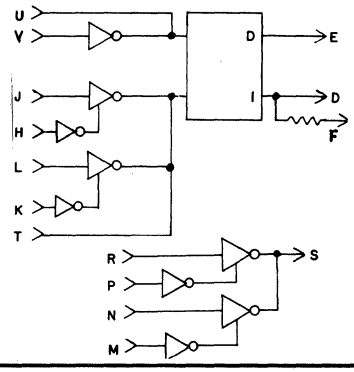
B03-64



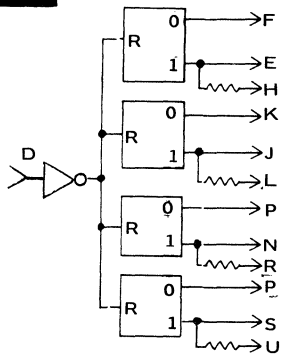
B03-65



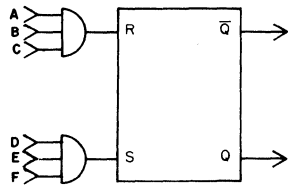
B03-66

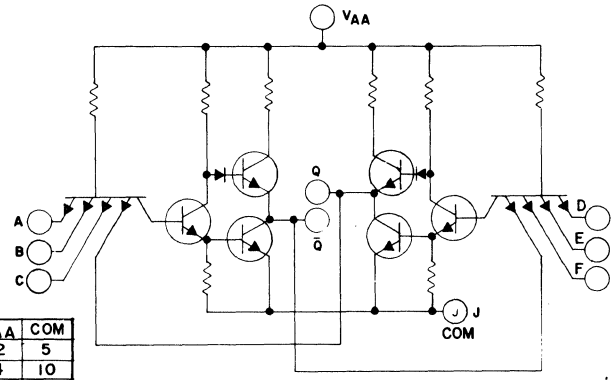


B03-67



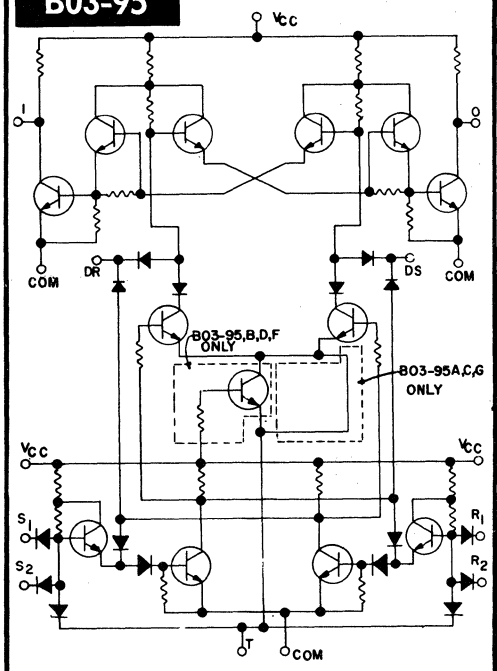
B03-88





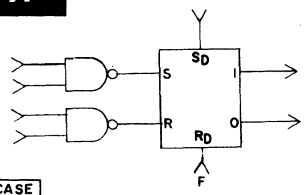
		A	B	C	D	E	F	Q	$\bar{Q}$	V_{AA}	COM
B03-88	CN	8	9	10	1	2	3	6	7	12	5
	FP	2	3	13	5	6	9	11	12	4	10
B03-88A	FP	2	3	13	5	6	9	11	12	4	10

B03-95

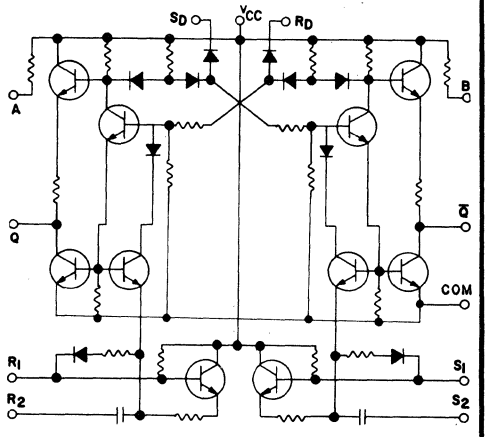


	PKG	CKT NO.	DR	R1	R2	T	S1	S2	DS	1	0	COM	VCC
B03-95,a	FP,MP	1	5	12	11	2	3	4	10	6	9	7	14
B03-95b,c	CN	1	NC	9	8	1	2	3	7	4	6	5	10
B03-95d	FP,MP	1	NC	2	NC	1	3	NC	4	6	5	7	14
		2		12		13	11		10	8	9		
B03-95f,g	CN	1	4	10	11	1	2	3	8	5	7	6	12
B03-95h	M	1	5	12	11	2	3	4	10	6	9	7	14

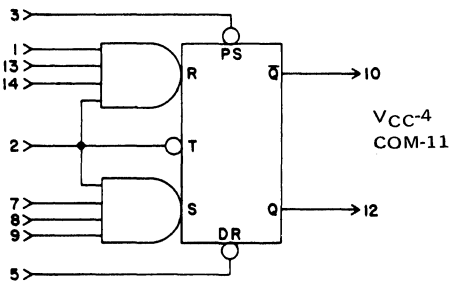
B03-97



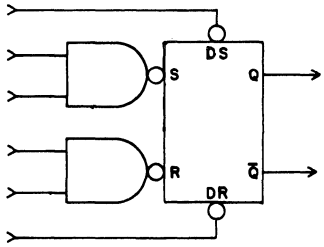
	CASE STYLE	SI	S2	SD	RI	R2	RD	Q	$\bar{Q}$	A	B	V_{CC}	COM
B0397	FP	6	10	1	4	5	13	3	11			14	
	CN	5	7	1	3	4	9	2	8			10	6
B0397A	FP/MP	10	6	1	4	5	13	3	11	2	12	14	7
B0397B	CN	9	5	11	3	4	1	2	10	NC	NC	12	6
B0397C	FP	10	6	1	4	5	13	3	11	2	12	14	7
	CN	7	5	1	3	4	9	2	8			10	6
B0397D	FP MP	4	5	13	6	10	1	3	11	2	12	14	7
	CN	3	4	9	5	7	1	2	8	NC	NC	10	6



B03-117



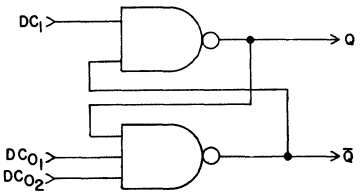
B03-120



	DS	S_1	S_2	R_1	R_2	DR	Q	$\bar{Q}$	V_{CC}	COM
FP	13	4	5	10	6	1	3	11	14	7
CN_1	11	3	4	9	5	1	2	10	12	6
CN2	9	3	4	5	7	1	2	8	10	6

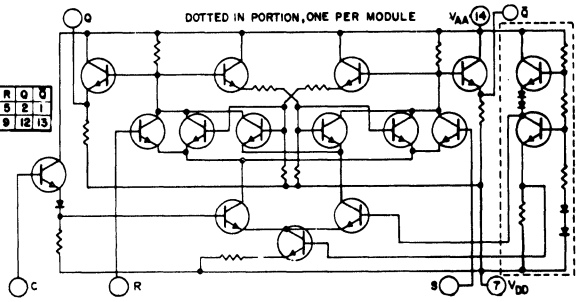
B03-121

CKT NO	DC_L	DC_{O_1}	DC_{O_2}	Q	$\bar{Q}$
1	C	J	E	7	6
2	D	4	5	3	F
3	K	9	8	10	H
4	L	N	12	13	11
5	15	R	Z	S	14
6	U	17	Z	16	V
7	21	W	Z	22	20
8	X	Y	Z	18	19



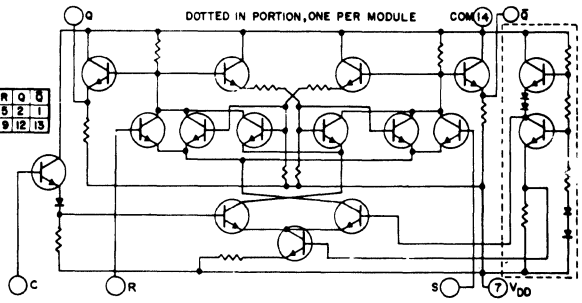
B03-125

CKT NO.	S	C	R	Q	$\bar{Q}$
1	6	4	5	2	1
2	8	10	9	12	13

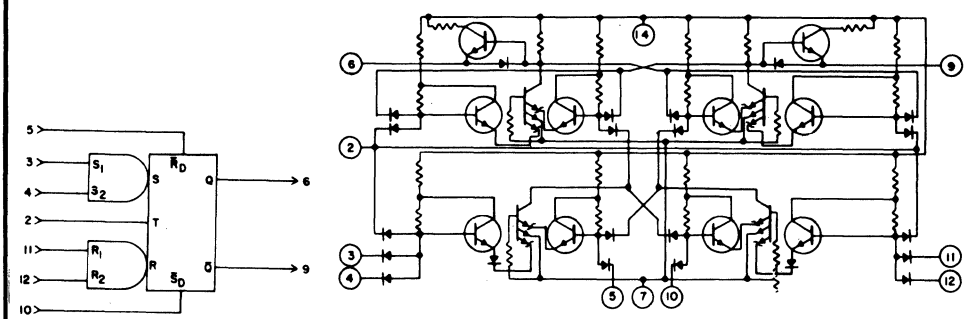


B03-126

CKT NO.	S	C	R	Q	$\bar{Q}$
1	6	4	5	2	1
2	8	10	9	12	13

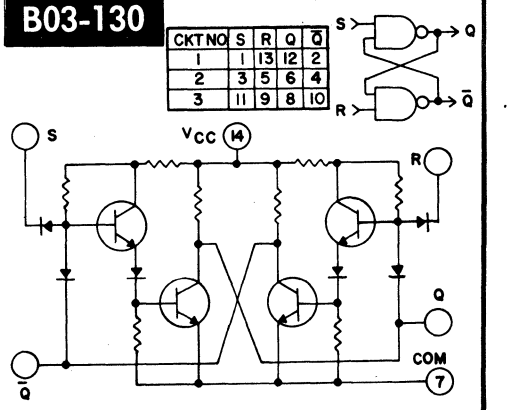


B03-127

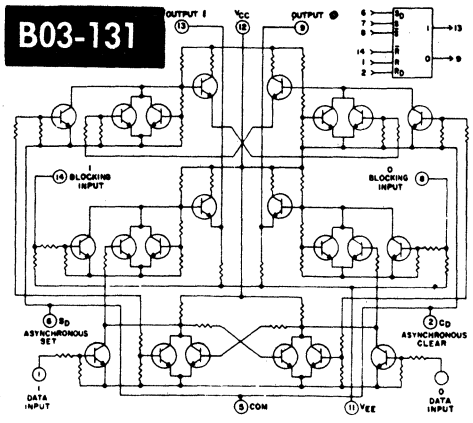


B03-130

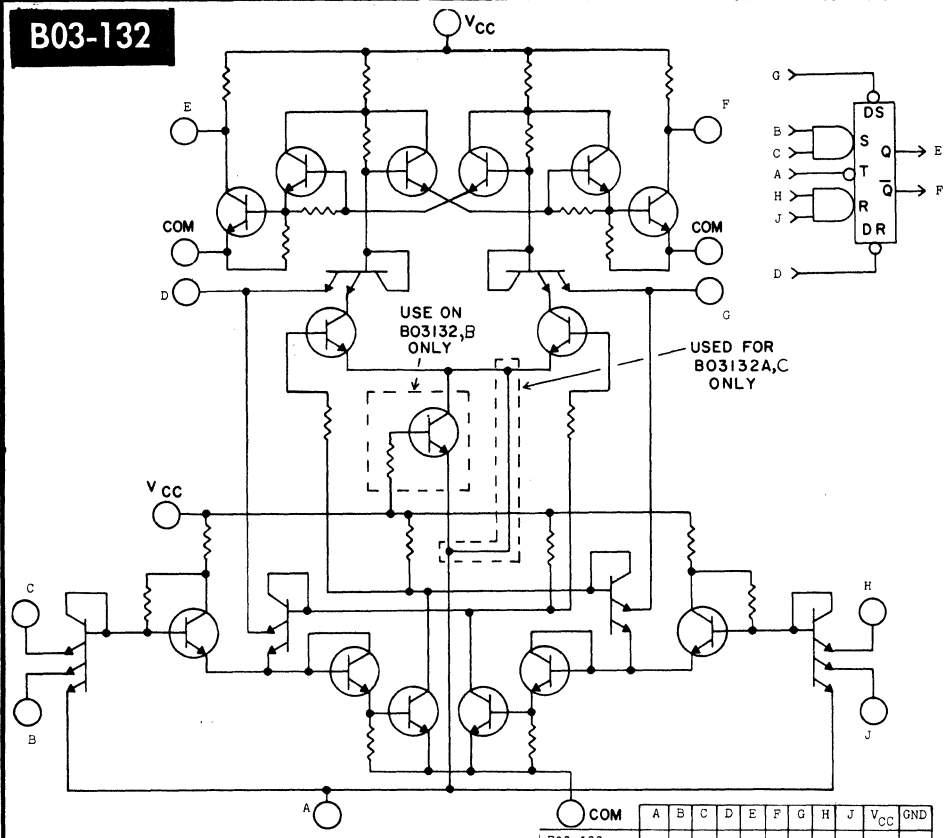
CKT NO	S	R	Q	$\bar{Q}$
1	1	13	12	2
2	3	5	6	4
3	11	9	8	10



B03-131

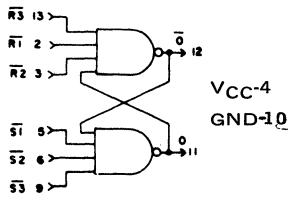


B03-132

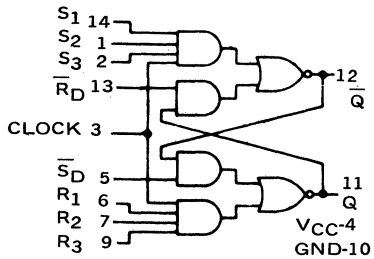


	A	B	C	D	E	F	G	H	J	V_{CC}	GND
B03-132 or B03-132a	2	3	4	5	6	9	10	11	12	14	7
B03-132b or B03-132c	1	2	3		4	6	7	8	9	10	5

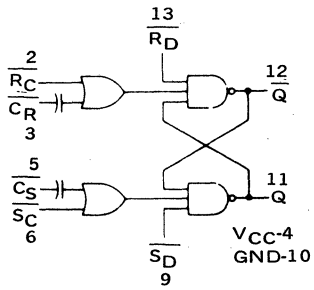
B03-133



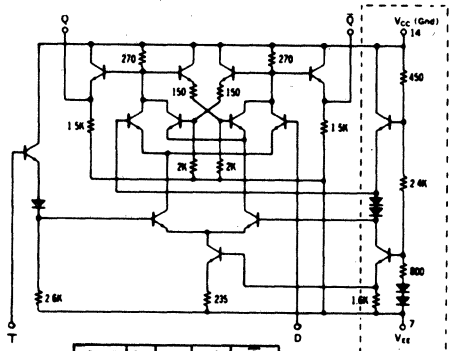
B03-136

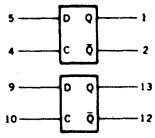


B03-137



B03-138



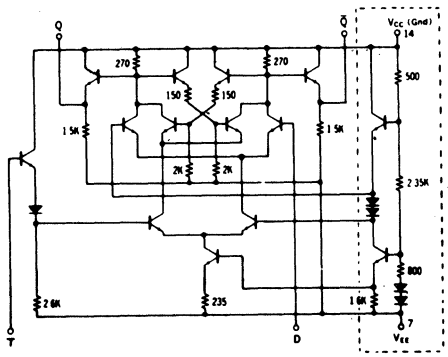


DOTTED IN PORTION, ONE PER MODULE.

CKT	D	T	Q	$\overline{Q}$
1	5	4	1	2
2	9	10	13	12

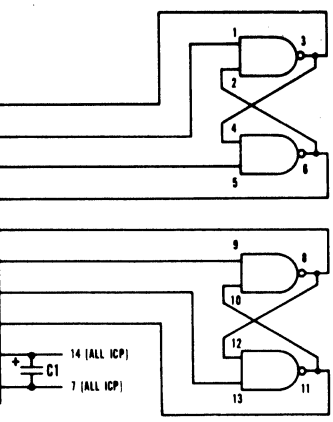
B03-139

DOTTED IN PORTION, ONE PER MODULE

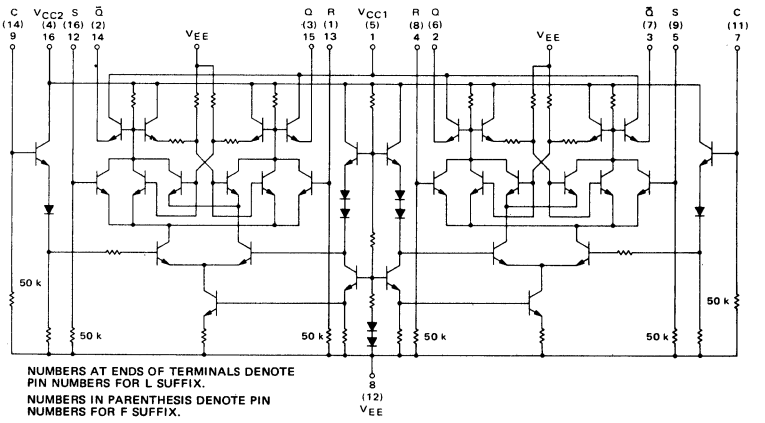


B03-141

FUNCTION	CONNECTOR PINS					
	IC1	IC2	IC3	IC4	IC5	IC6
Q	45	37	29	21	13	5
$\overline{S}$	43	35	27	19	11	3
$\overline{R}$	47	39	31	23	15	7
$\overline{Q}$	49	41	33	25	17	9
Q	44	36	28	20	12	4
$\overline{S}$	46	38	30	22	14	6
$\overline{R}$	50	42	34	26	18	10
$\overline{Q}$	48	40	32	24	16	8
V_{CC}	51					
GRD	1			52		



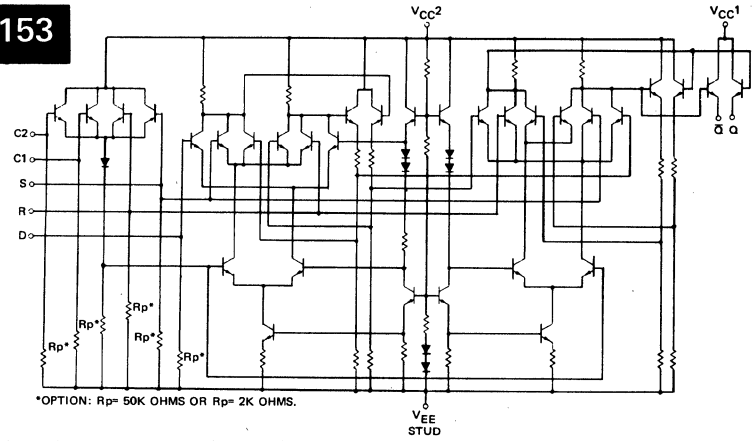
B03-150



NUMBERS AT ENDS OF TERMINALS DENOTE PIN NUMBERS FOR L SUFFIX.

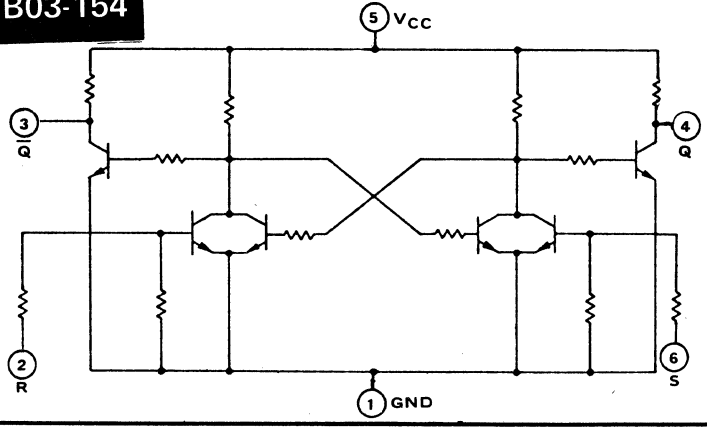
NUMBERS IN PARENTHESIS DENOTE PIN NUMBERS FOR F SUFFIX.

B03-153

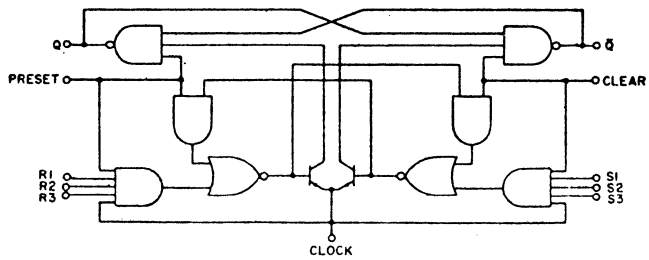


*OPTION: Rp= 50K OHMS OR Rp= 2K OHMS.

B03-154

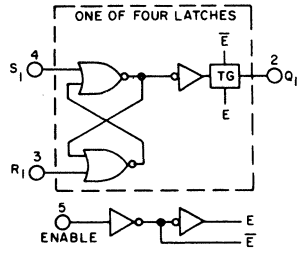


B03-156



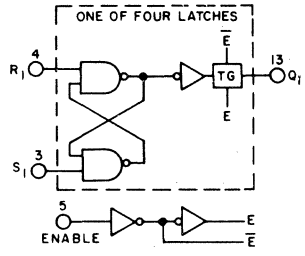
	PKG	Q	Q̄	PRESET	R			CLOCK	CLEAR	S			VCC	GND
					1	2	3			1	2	3		
B03-156	FP	12	10	3	1	13	14	2	5	7	8	9	4	11
	M	8	6	13	9	10	11	12	2	3	4	5	14	7

B03-158



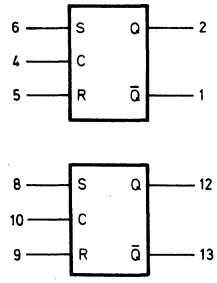
	CKT	R	S	Q	ENABLE	VDD	VSS
B03-158	1	4	3	2	5	16	8
	2	6	7	9			
	3	12	11	10			
	4	14	15	1			

B03-159

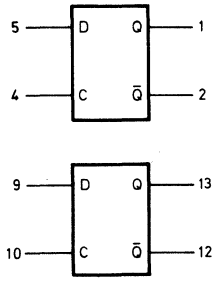


	CKT	R	S	Q	ENABLE	VDD	VSS
B03-159	1	4	3	13	5	16	8
	2	6	7	9			
	3	12	11	10			
	4	14	15	1			

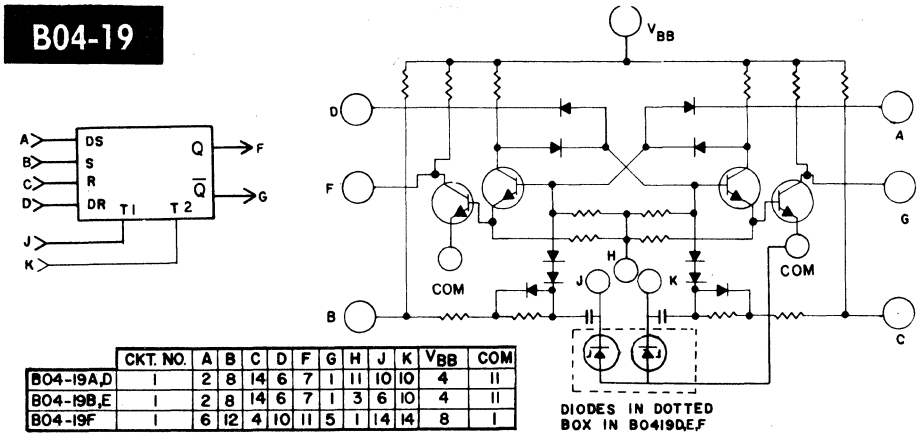
B03-160



B03-161



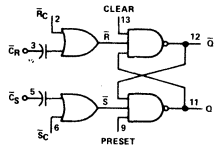
B04-19



	CKT. NO.	A	B	C	D	F	G	H	J	K	V_{BB}	COM
B04-19A,D	1	2	8	14	6	7	1	11	10	10	4	11
B04-19B,E	1	2	8	14	6	7	1	3	6	10	4	11
B04-19F	1	6	12	4	10	11	5	1	14	14	8	1

DIODES IN DOTTED BOX IN B04-19D,E,F

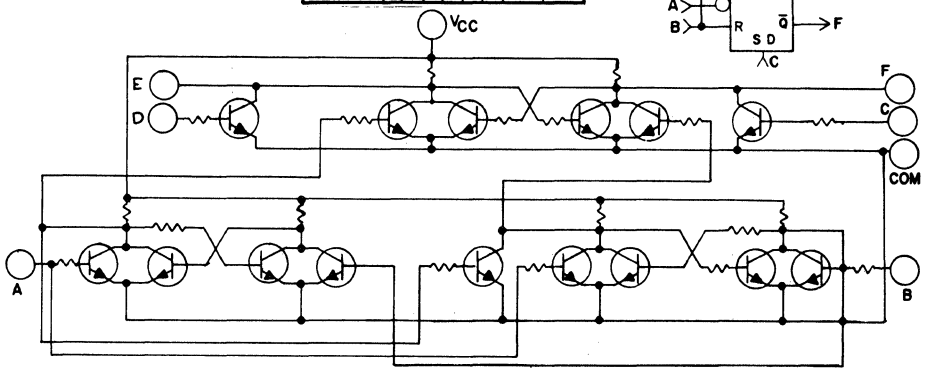
B04-42



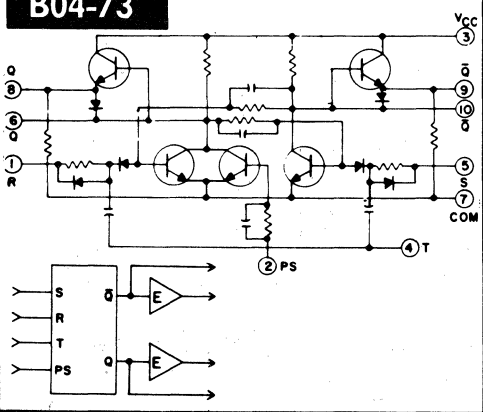
Pin 4 is V_{CC}, pin 10 is GND

B04-52

PACKAGE	A	B	C	D	E	F	V_{CC}	COM
CN	1	2	3	7	6	5	8	4
FP	2	3	4	9	8	7	10	5

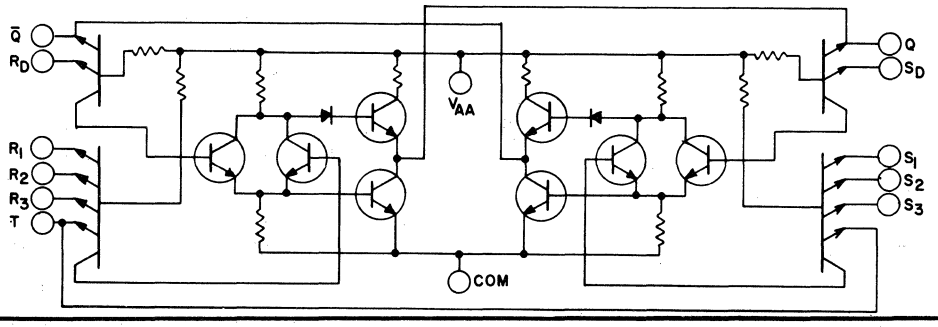


B04-73

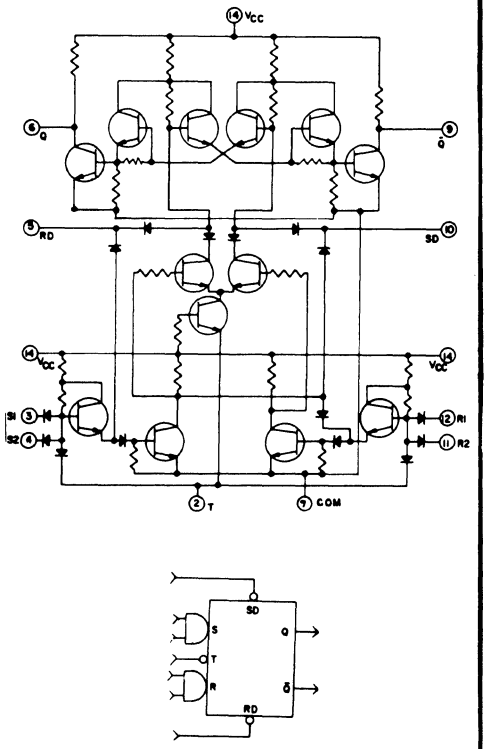


B04-77

	OUT LINE	SI	S2	S3	RI	R2	R3	SD	RD	T	Q̄	Q	VAA	COM
B0477	CN	2	3	4	8	9	10	NC	NC	1	5	7	12	6
	FP	14	1	2	6	7	9	13	5	3	12	11	4	10
B0477A	CN	6	7	NC	2	NC	NC	NC	NC	1	5	3	8	4

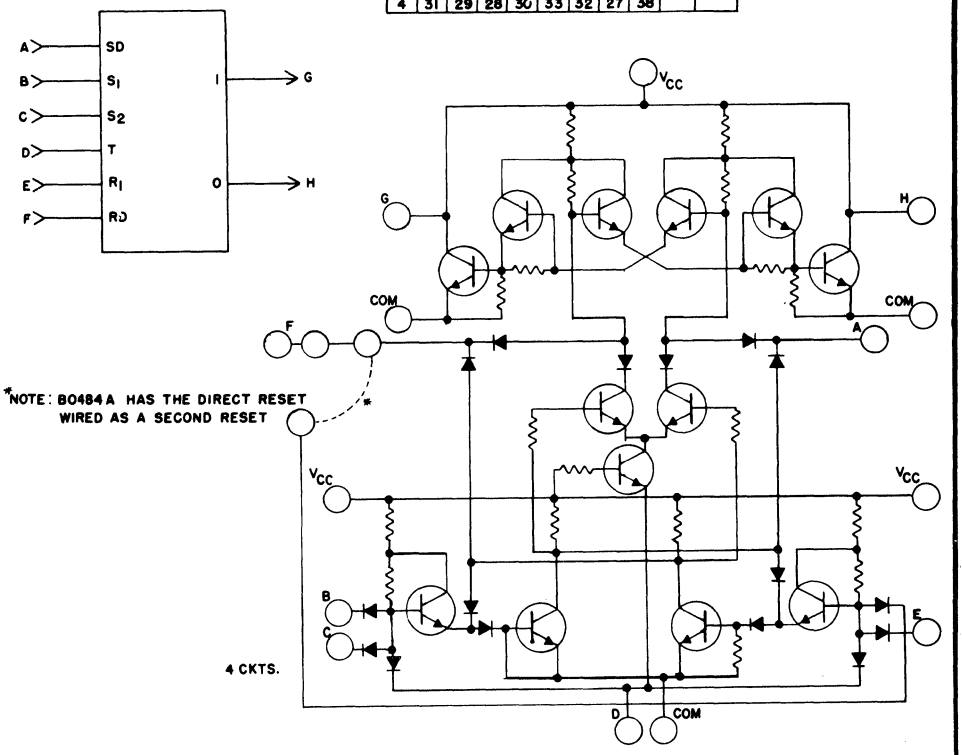


B04-82

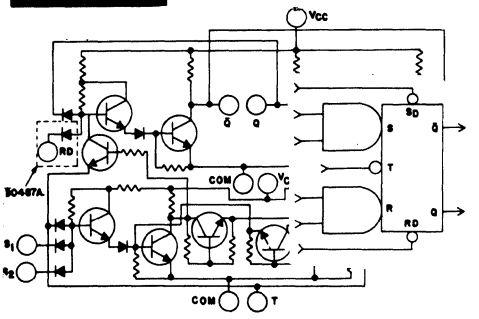


B04-84

CKT NO.	A	B	C	D	E	F	G	H	VCC	COM
1	2	6	5	7	9	8	1	10	34	3
2	17	13	12	14	15	16	11	18		
3	25	21	20	22	23	24	19	26		
4	31	29	28	30	33	32	27	38		



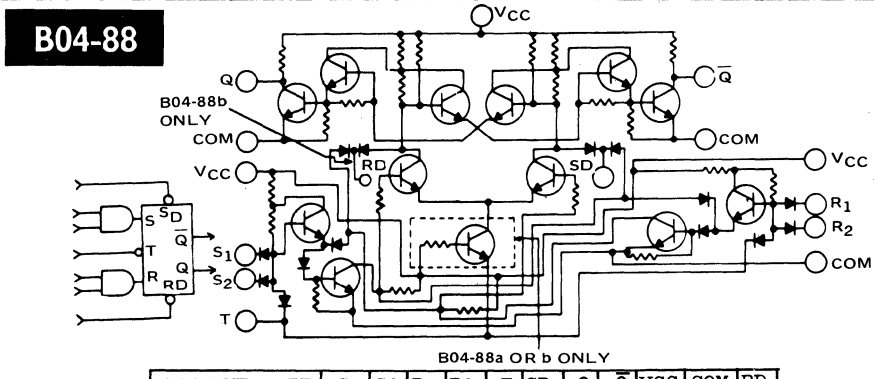
B04-87



OUTLINE TYPE	S1	S2	R1	R2	T	SD	Q	$\bar{Q}$
CN	2	3	9	8	1	7	4	6
FP, M°	3	4	12	11	2	10	6	9

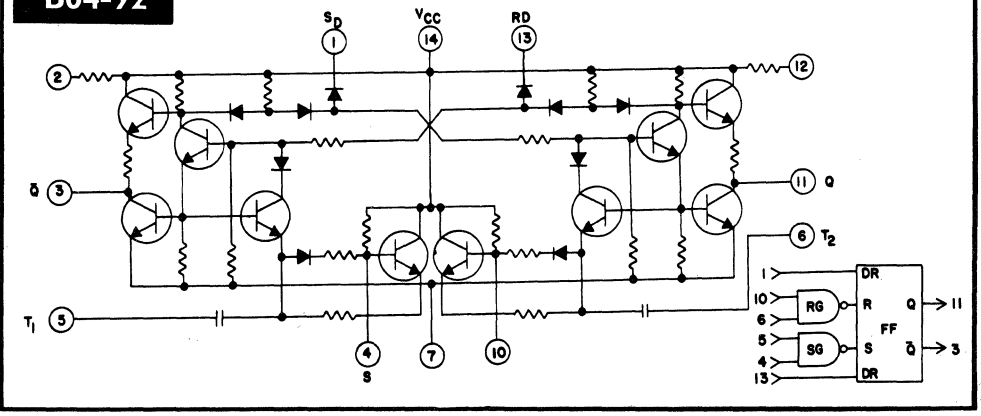
VCC	COM	RD
10	5	
14	7	5

B04-88

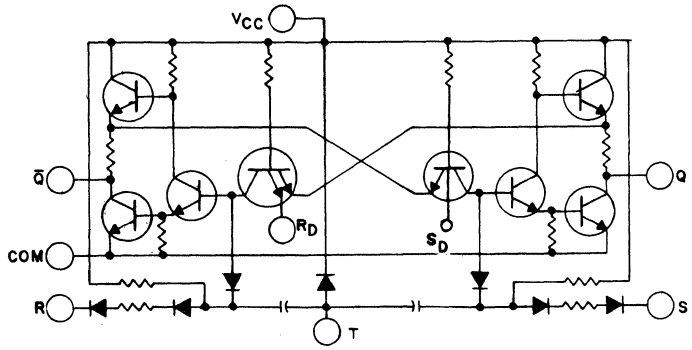


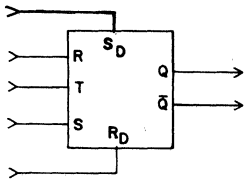
OUTLINE TYPE	S1	S2	R1	R2	T	SD	Q	$\bar{Q}$	VCC	COM	RD
CN	2	3	9	8	1	7	4	6	10	5	
FP	3	4	12	11	2	10	6	9	14	7	5

B04-92



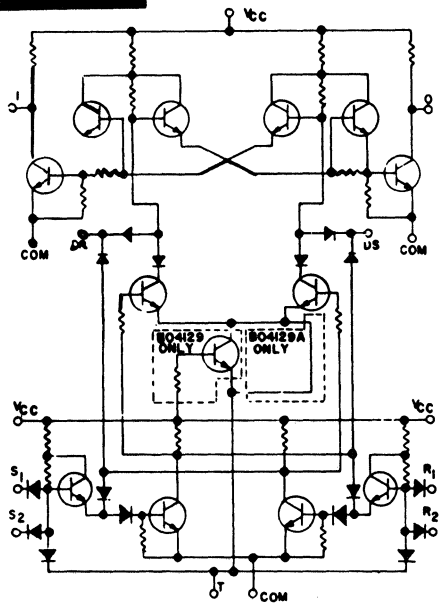
B04-125

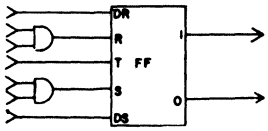




	PACK	CKT.	R	T	S	RD	SD	Q	Q̄	V_{CC}	COM
B04-125	FP	1	1	2	3	14		12	13	4	11
		2	7	6	5	8		10	9		
	M	1	3	2	1	5		6	4		
		2	12	11	13	10		8	9	14	7
B04-125a	FP	1	3	6	2	14	1	13	12		
		2	5	6	7	14	8	9	10	4	11
	M	1	13	2	12	10	11	9	8	14	7
		2	1	2	3	10	4	5	6		

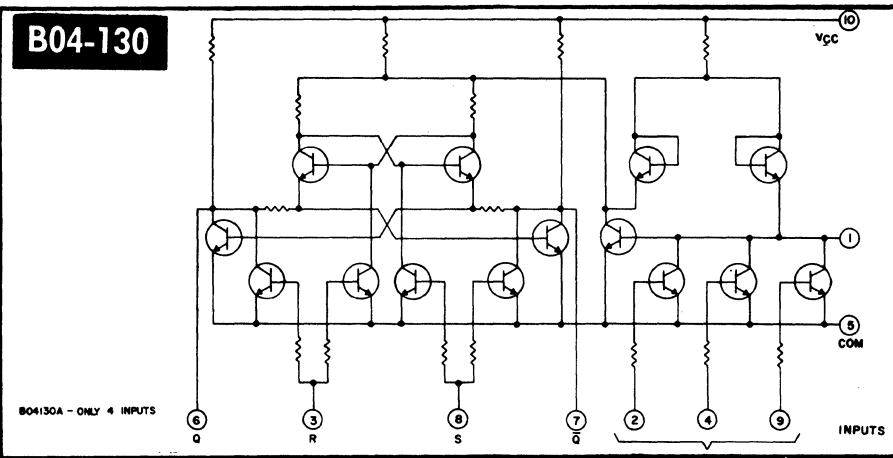
B04-129



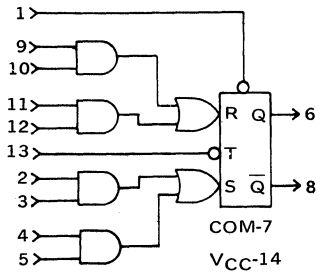


PKG	CKT NO	DR	R1	R2	T	S1	S2	DS	1	0	COM	VCC
FP, MP	1	5	12	11	2	3	4	10	6	9	7	14
CN	1	NC	9	8	1	2	3	7	4	6	5	10

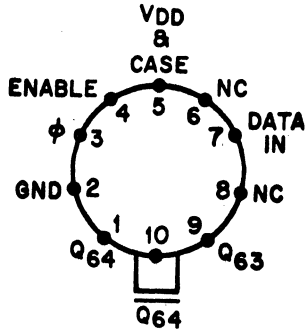
B04-130



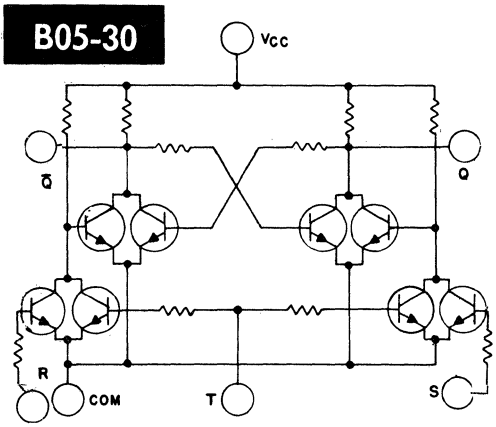
B04-136



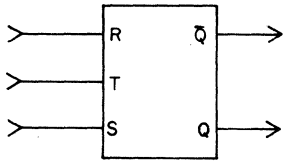
B04-140



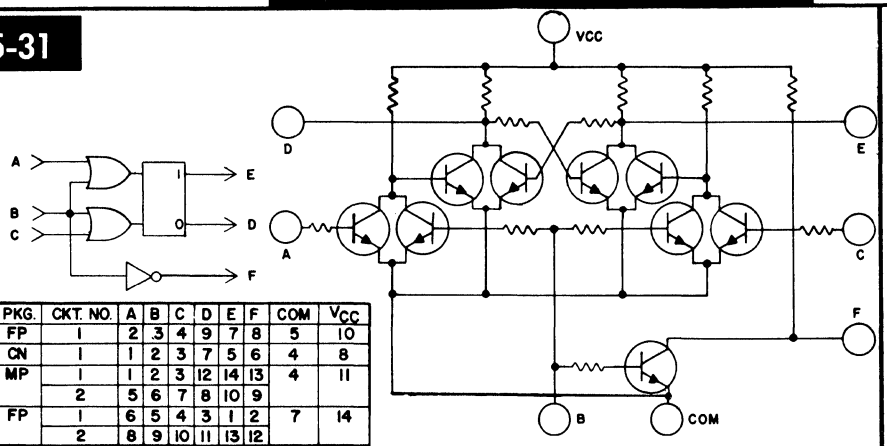
B05-30



	PKG.	CKT. NO.	R	T	S	Q	Q̄	COM	V_{CC}
B05-30	FP	1	2	3	4	7	9	5	10
	CN	1	1	2	3	5	7	4	8
B05-30A	MP	1	1	2	3	12	14	4	11
		2	5	6	7	8	10		
B05-30B	FP	1	4	5	6	1	3	7	14
		2	8	9	10	11	13		

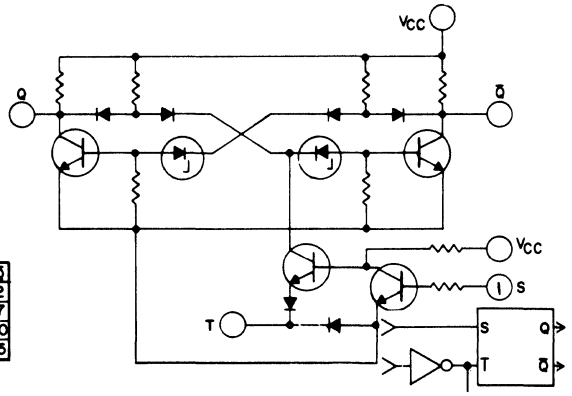


B05-31



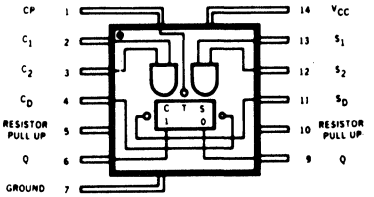
	PKG.	CKT. NO.	A	B	C	D	E	F	COM	V_{CC}
B05-31	FP	1	2	3	4	9	7	8	5	10
	CN	1	1	2	3	7	5	6	4	8
B05-31A	MP	1	1	2	3	12	14	13	4	11
		2	5	6	7	8	10	9		
	FP	1	6	5	4	3	1	2	7	14
		2	8	9	10	11	13	12		

B06-17

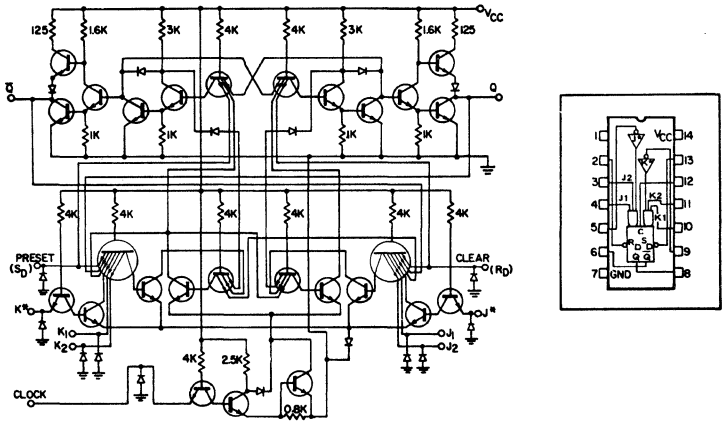


CKT NO.	T	Q	Q̄
1	4	3	2
2	5	6	7
3	12	11	10
4	13	14	15

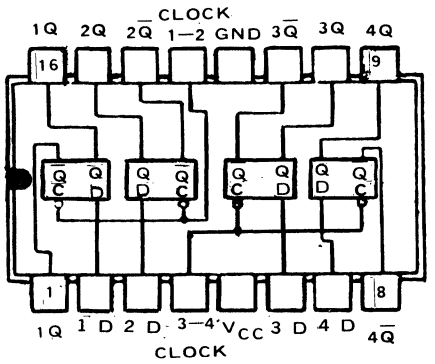
B06-19



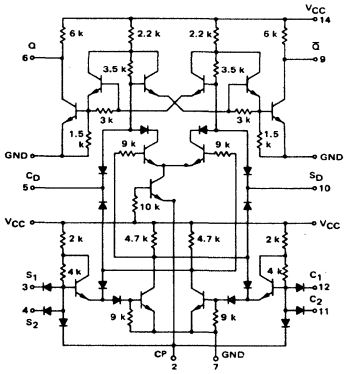
B06-23



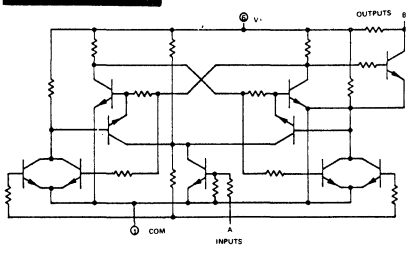
B06-25



B06-27



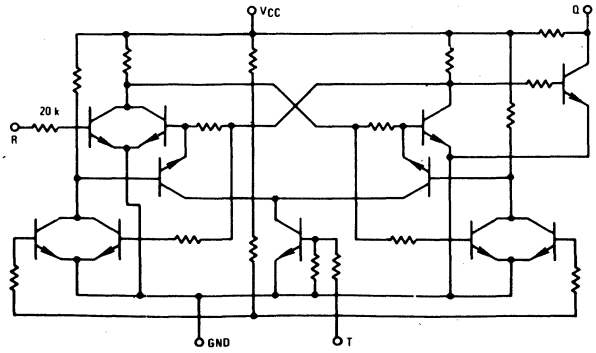
B07-7

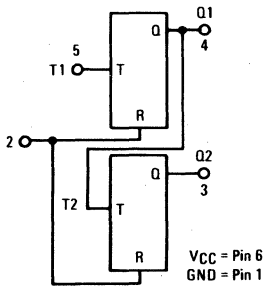


	CKT	A	B
B07-7	1	2	3
	2	5	4
B07-7a	1	4	3

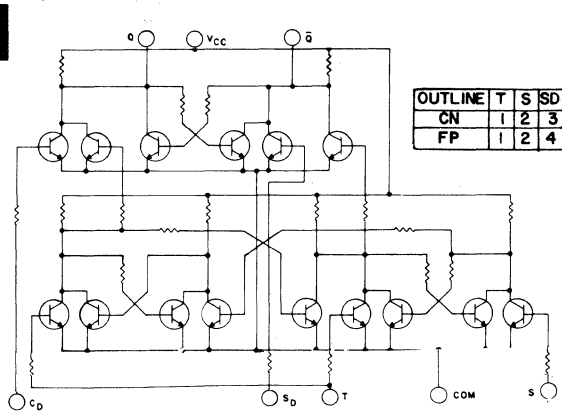
B07-8

(One-Half of Circuit Shown)



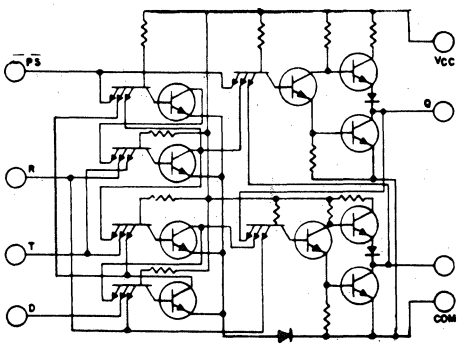


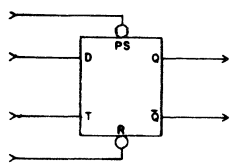
B08-1



OUTLINE	T	S	SD	Q̄	Q	RD	VCC	COM
CN	1	2	3	5	6	7	8	4
FP	1	2	4	6	7	9	10	5

B08-5

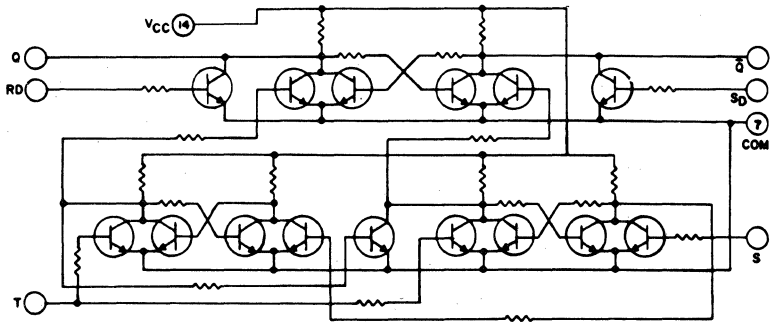




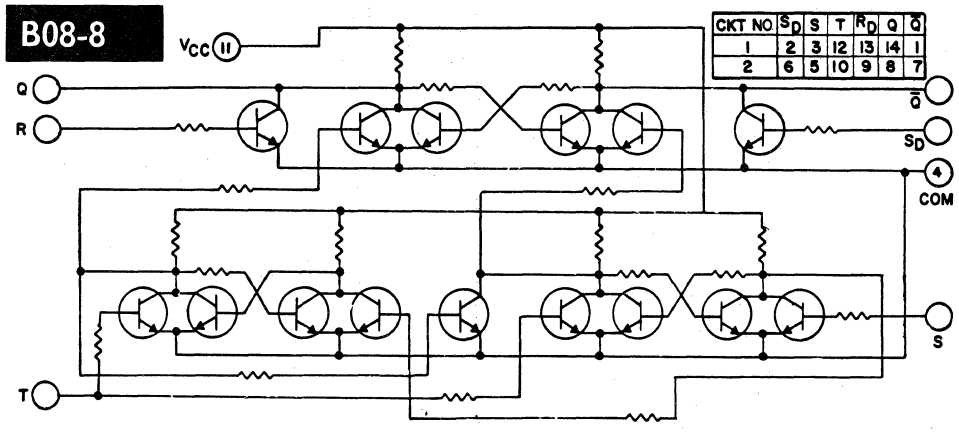
	CKT NO	D	PS	Q	Q̄	T	R	VCC	COM
FP	1	2	14	13	12	1	3	4	11
	2	6	8	9	10	7	5		
MP	1	2	4	5	6	3	1	14	7
	2	12	10	9	8	11	13		

B08-6

	CKT NO	S	T	SD	RD	Q	Q̄	VCC	COM
B086	1	6	1	5	2	3	4	14	7
	2	8	13	9	12	11	10		
B086a	1	2	1	3	7	6	5	8	4



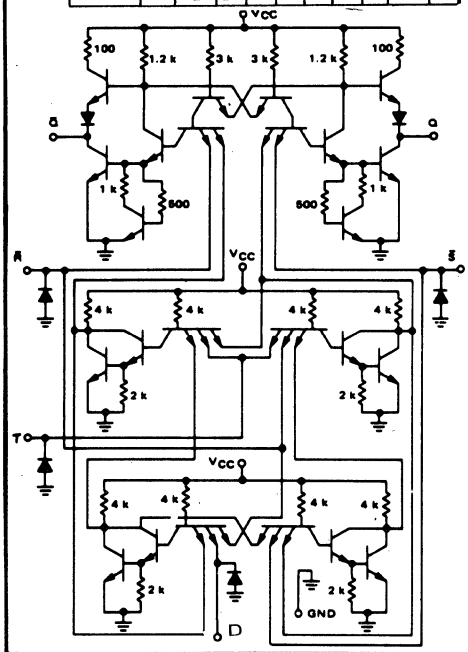
B08-8



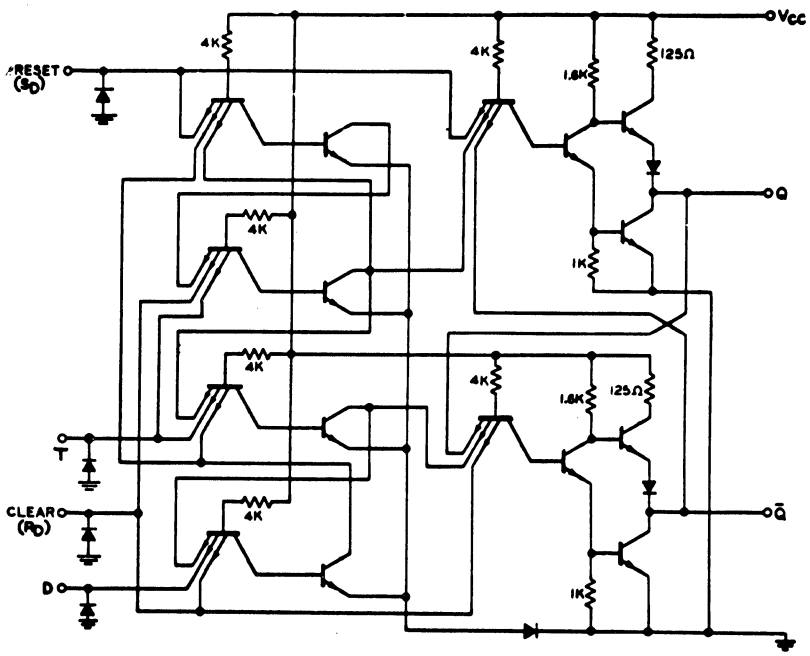
CKT NO	SD	S	T	RD	Q	Q̄
1	2	3	12	13	14	1
2	6	5	10	9	8	7

B08-10

	PKG	CKT	$\overline{S}$	D	T	$\overline{R}$	Q	$\overline{Q}$	VCC	GND
B08-10		1	4	2	3	1	5	6	14	7
		2	10	12	11	13	9	8		
B08-10a		1	14	2	1	3	13	12	4	10
		2	8	6	7	5	9	11		
B08-10b		1	8	6	7	5	9	10	4	11
		2	14	2	1	3	13	12		
B08-10c	FC	1	13	6	7	5	14	15	4	16
		2	19	1	2	3	18	17		
	FP	1	8	6	7	5	9	10	4	11
		2	14	1	2	3	13	12		

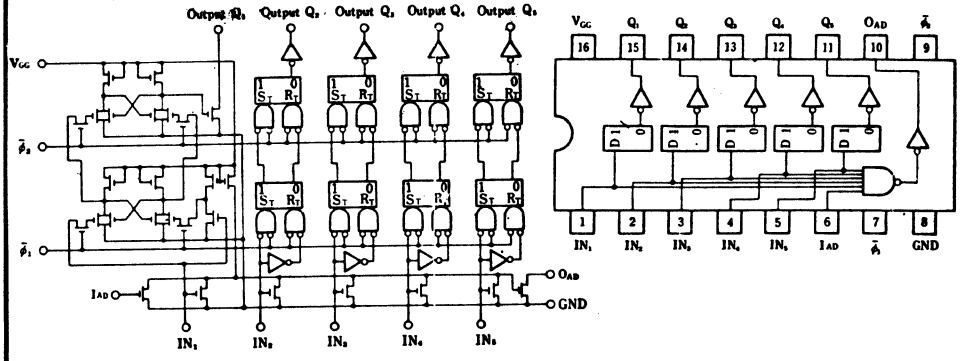


B08-16

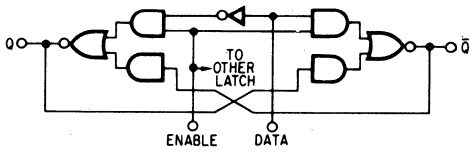


	PKG	CKT	D	T	R_D	S_D	Q	$\overline{Q}$	VCC	COM
B08-16	FP	1	2	1	3	14	13	12	4	11
		2	6	7	5	8	9	10		
	MP	1	2	3	1	4	5	6	14	7
		2	12	11	13	10	9	8		

B08-17

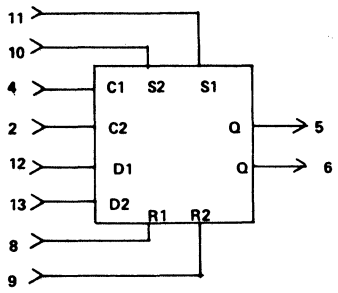


B08-20



	CKT	Q	E	D	$\overline{Q}$	VCC	GND
B08-20	1	4	15	2	3	16	8
	2	5	15	1	6	16	8
	3	11	7	13	12	16	8
	4	10	7	14	9	16	8

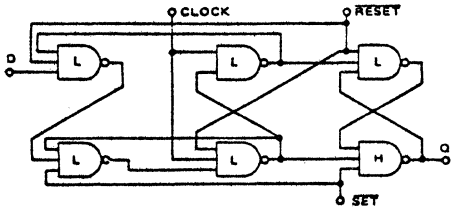
B08-21



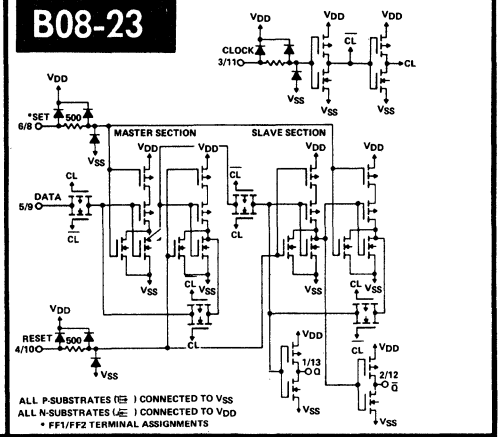
B08-22

B08-22

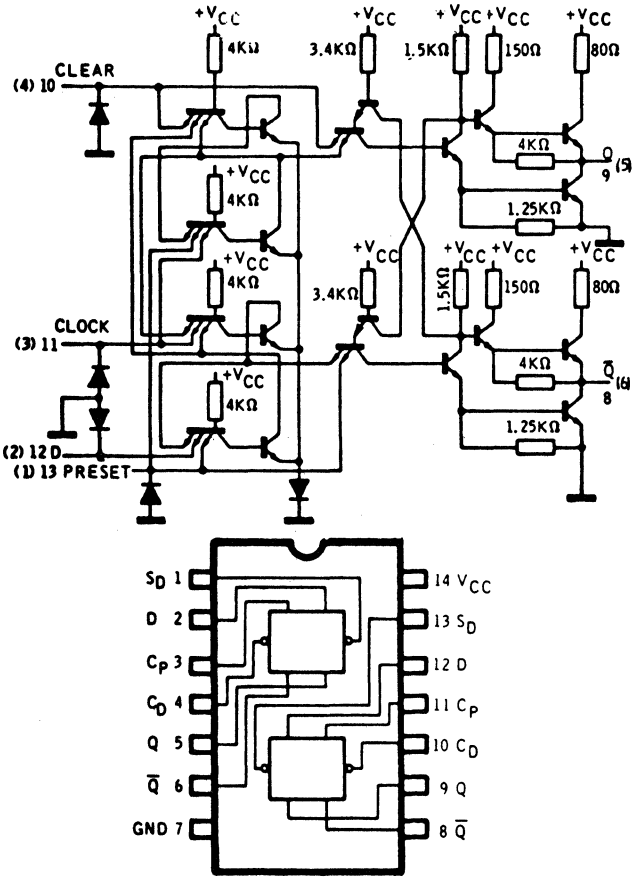
CKT NO.	D	C	R	S	Q
1	2	13	3	4	6
2	1	13	3	5	7
3	15	13	3	11	9
4	4	13	3	12	10



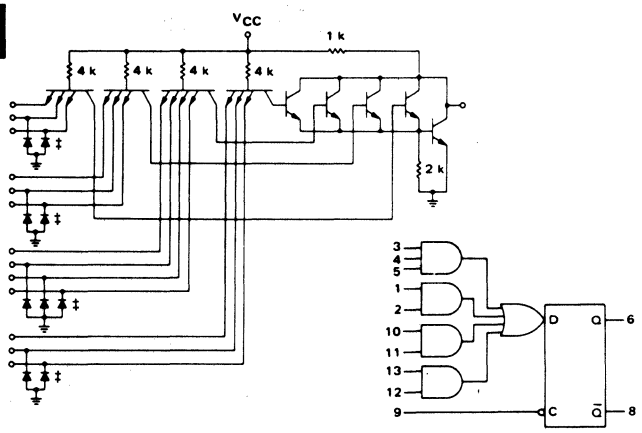
B08-23



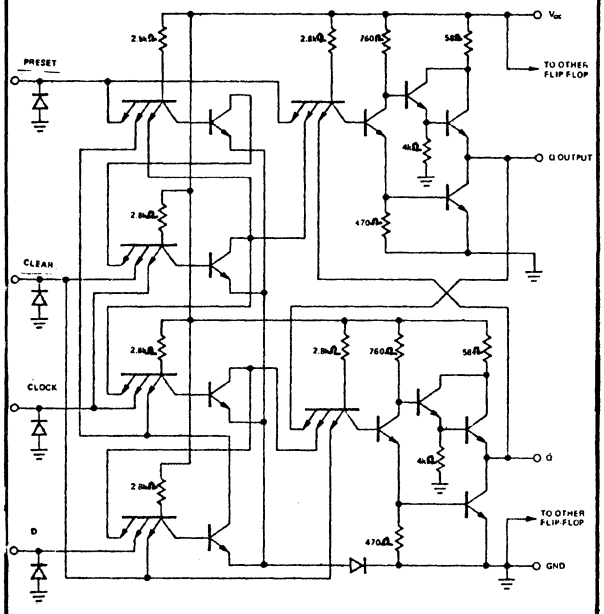
B08-27



B08-28

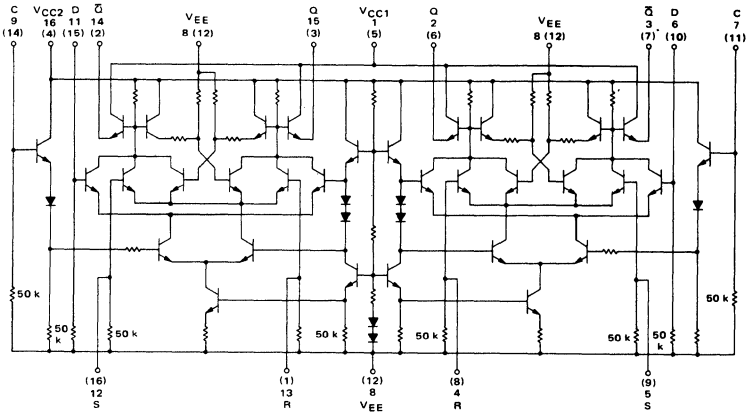


B08-31



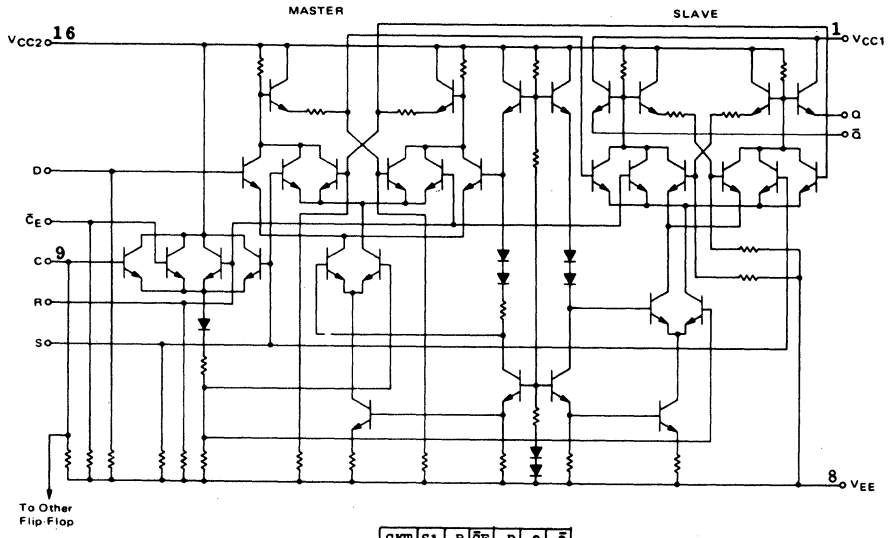
	PKG	CKT	RD	D	$\overline{CK}$	SD	$\overline{Q}$	Q	GND	VCC
B08-31	M	1	1	2	3	4	6	5	7	14
		2	13	12	11	10	8	9		
	FP	1	3	2	1	14	12	13	11	4
		2	5	6	7	8	10	9		

B08-32



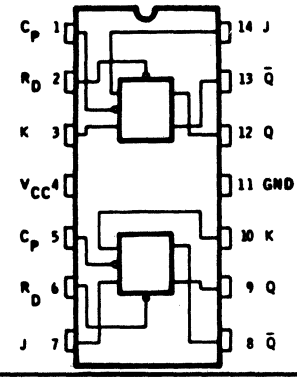
Numbers at ends of terminals denote pin numbers for L package
Numbers in parenthesis denote pin numbers for F package

B08-33

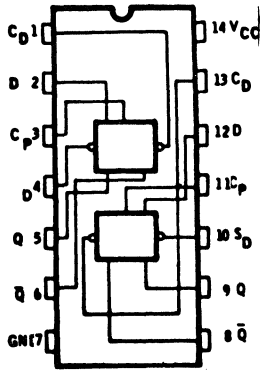


	CKT	S1	R	$\overline{CE}$	D	Q	$\overline{Q}$
B08-33	1	5	4	6	7	2	3
	2	12	13	11	10	15	14

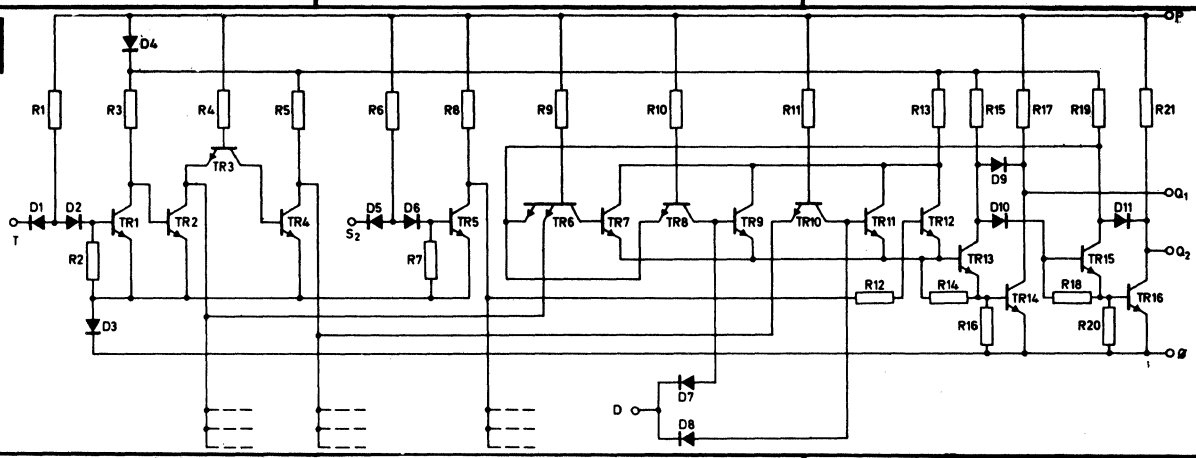
B08-35



B08-36

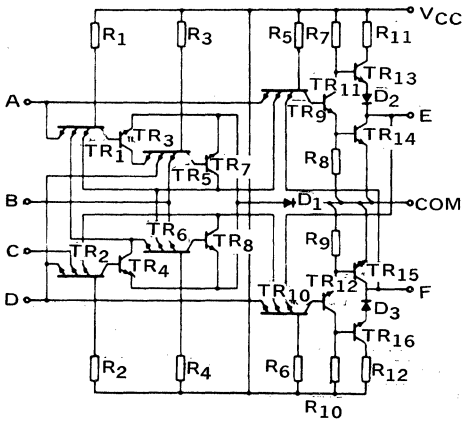


B08-37

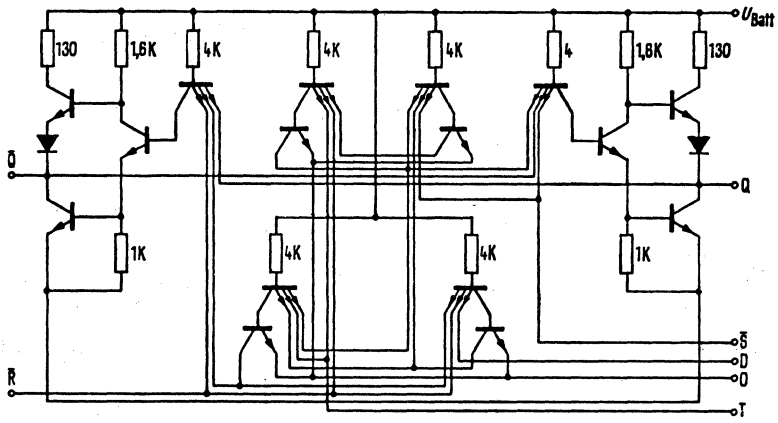


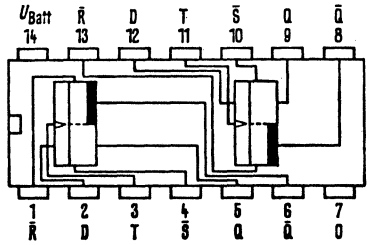
B08-38

	CKT	A	B	C	D	E	F	COM	VCC
B08-38	1	4	3	2	1	5	6	7	14
	2	10	11	12	13	9	8		

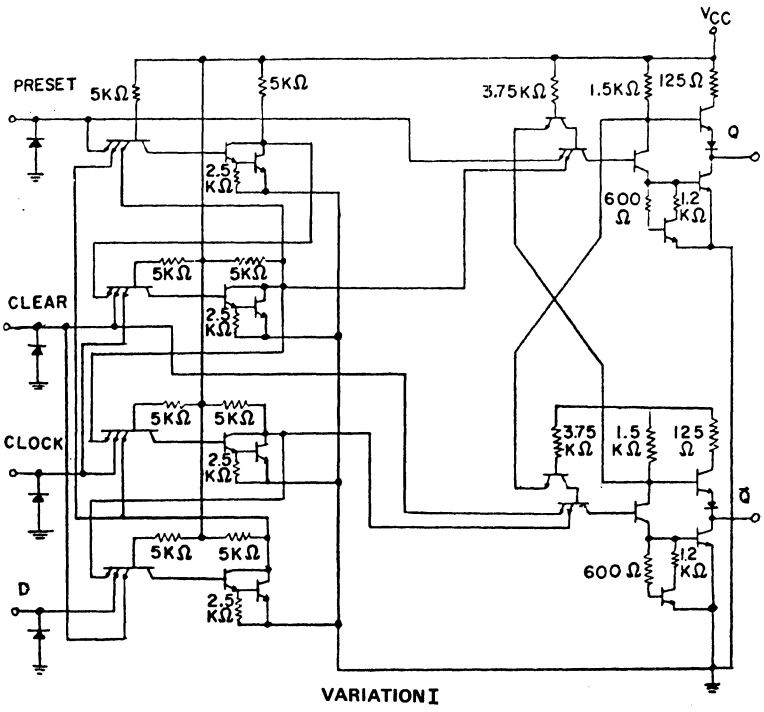


B08-40



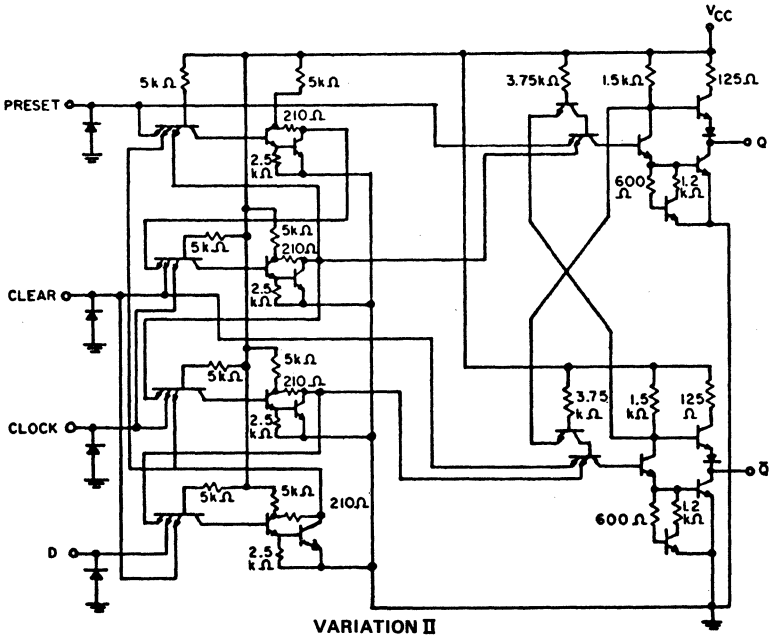


B08-41



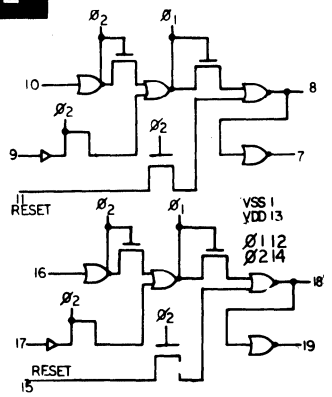
VARIATION I

	PKG	CKT	PRESET	CLEAR	CLOCK	D	Q	Q̄	VCC	GND
B08-41	FP	1	14	3	1	2	12	13	4	11
		2	8	5	7	6	10	9		
	M	1	4	1	3	2	6	5	14	7
		2	10	13	11	12	8	9		

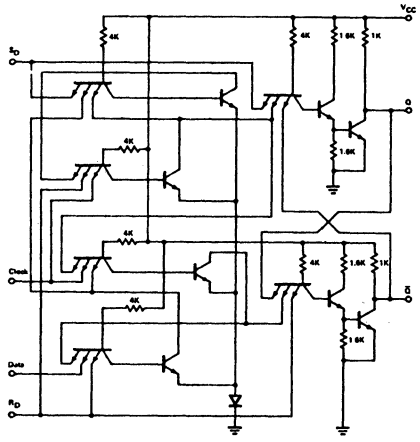


VARIATION II

B08-42

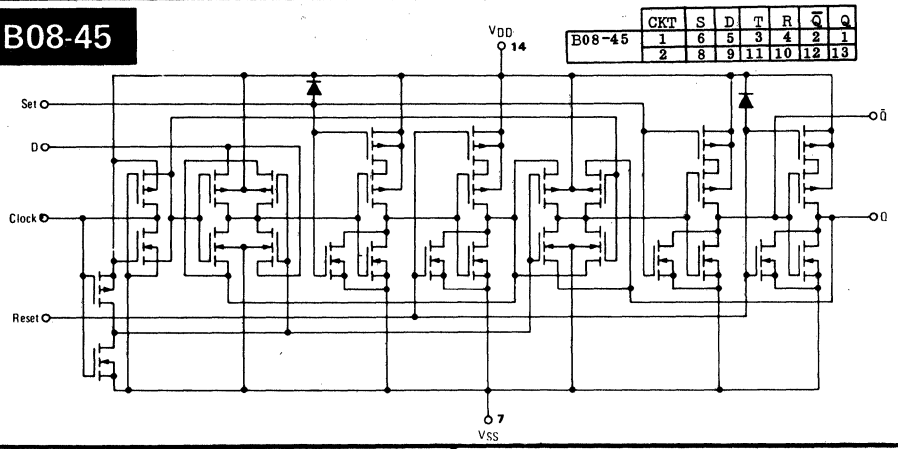


B08-44



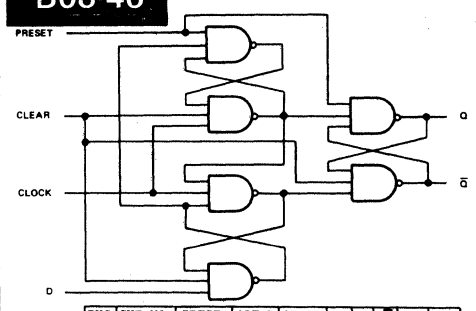
	CKT	SD	T	DATA	RD	Q	Q̄	VCC	GND
B08-44	1	4	5	6	7	3	2	8	1
	2	12	11	10	9	13	14		

B08-45



	CKT	S	D	T	R	Q̄	Q
B08-45	1	6	5	3	4	2	1
	2	8	9	11	10	12	13

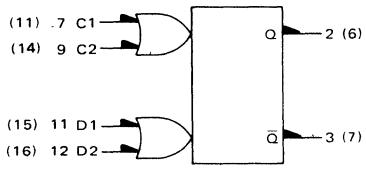
B08-46



	PKG	CKT NO.	PRESET	CLEAR	CLOCK	D	Q	Q̄	VCC	GND
B08-46	FP	1	14	3	1	2	13	12	4	11
		2	8	5	7	6	9	10		
	M	1	4	1	3	2	5	6	14	7
		2	10	13	11	12	9	8		
B08-46a	FP	1	19	3	1	2	17	18	4	16
		2	13	5	7	6	15	14		

B08-54

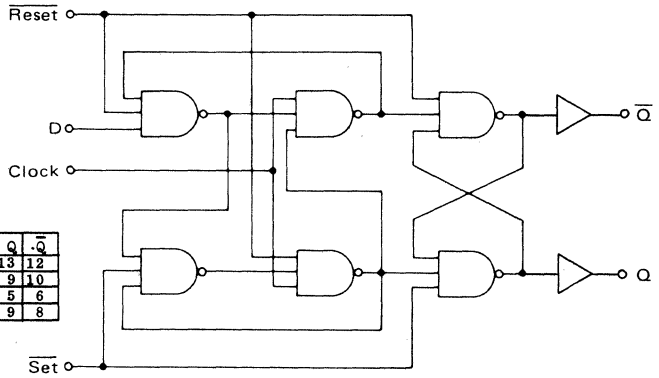
V_{CC1} = Pin 1 (5)
V_{CC2} = Pin 16 (4)
V_{EE} = Pin 8 (12)



Numbers at ends of terminals denote pin numbers for L package
Numbers in parenthesis denote pin numbers for F package

B08-58

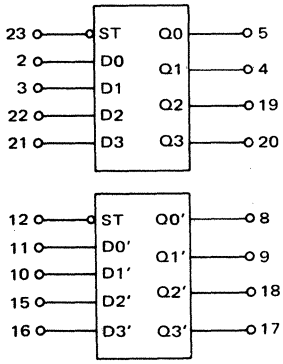
1/2 OF DEVICE SHOWN



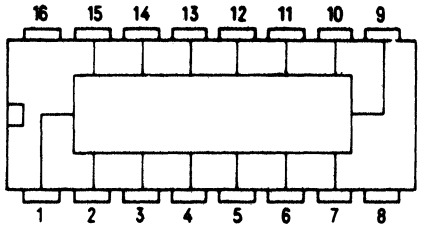
	PKG	CKT	D	C	S	R	Q	Q̄
B08-58	FP	1	2	1	14	3	13	12
		2	6	7	8	5	9	10
	M	1	2	3	4	1	5	6
		2	12	11	10	13	9	8

B08-62

V_{CC} = Pin 24
Gnd = Pin 7

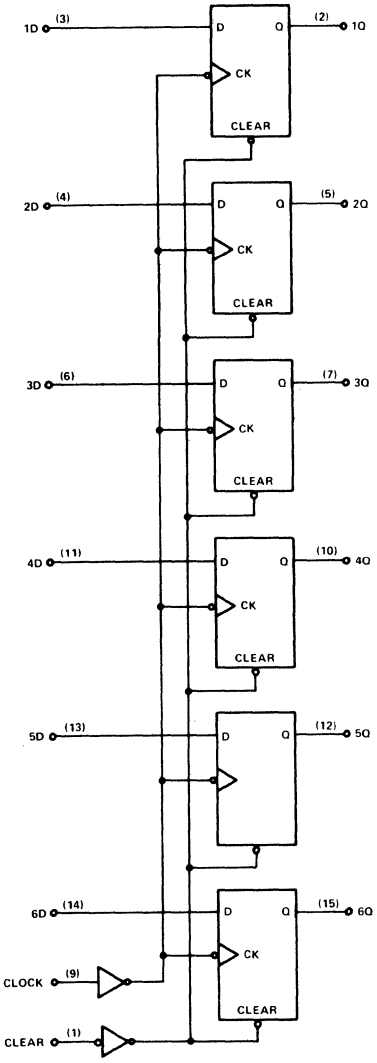


B08-63

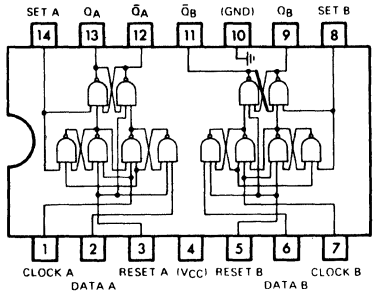


	PIN NUMBERS															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
B08-63	Q1	Q2	Q2	D2	D3	Q3	Q3	GND	Q4	Q4	D4	C	R	D1	Q1	VCC
B08-63a	CLOCK	D1	M1	K1	J1	Q1	Q1	GND	CLEAR	Q2	Q2	J2	K2	M2	D2	VCC

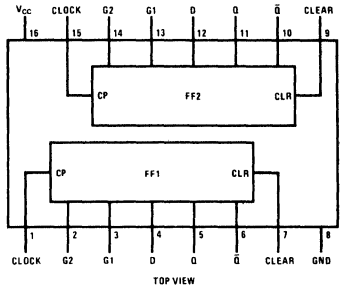
B08-66



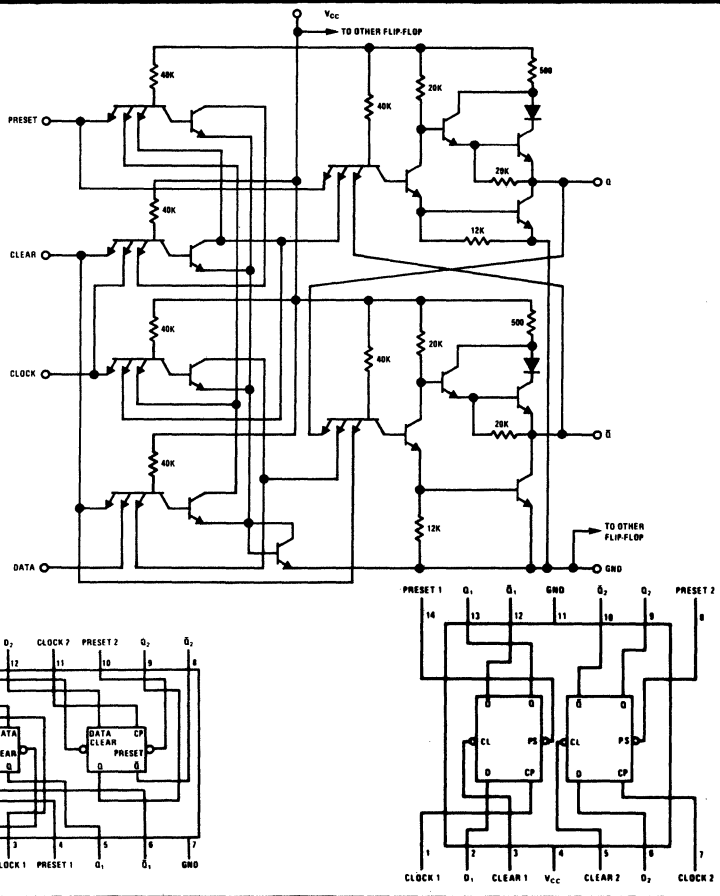
B08-68

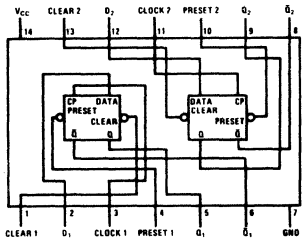


B08-72

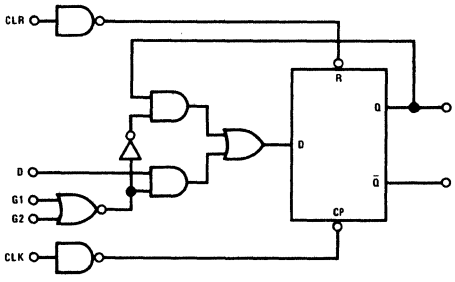


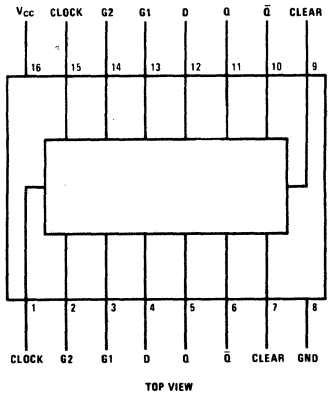
B08-74



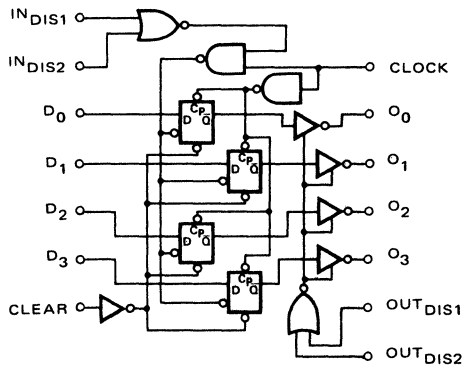


B08-75

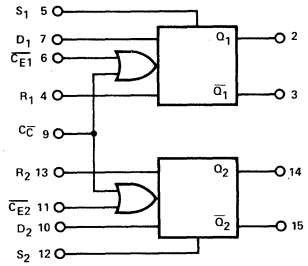




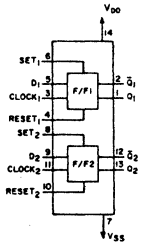
B08-81



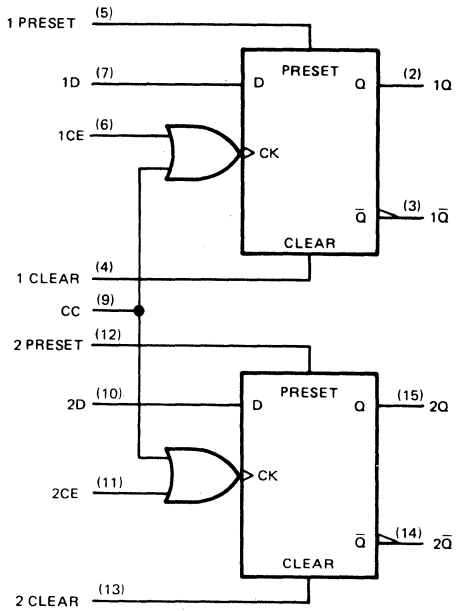
B08-82



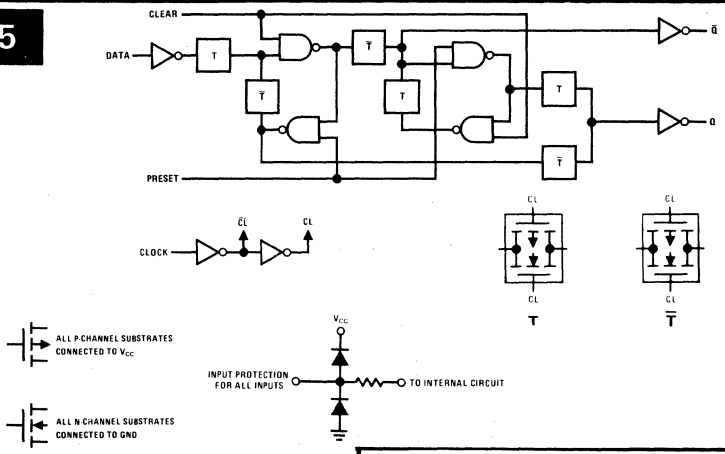
B08-83

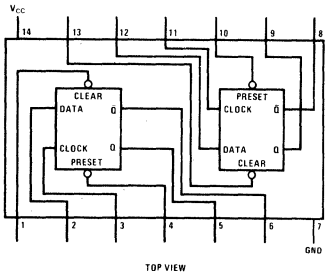


B08-84



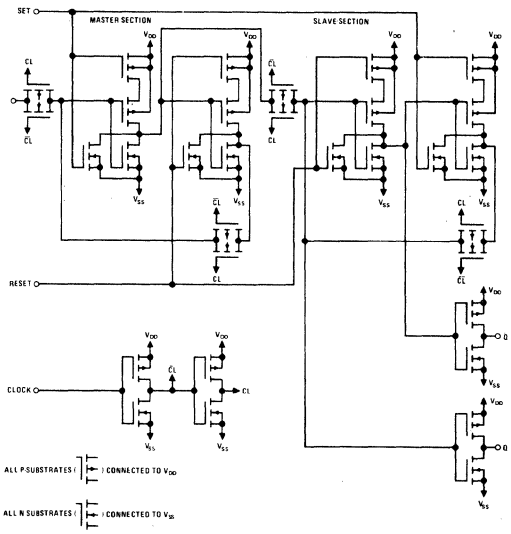
B08-85

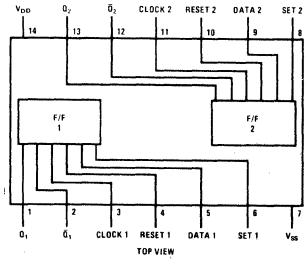




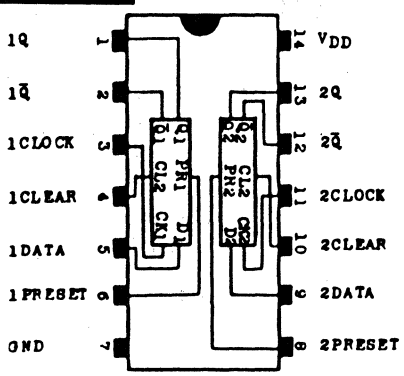
Note: A logic "0" on clear sets Q to logic "0."
A logic "0" on preset sets Q to logic "1."

B08-87



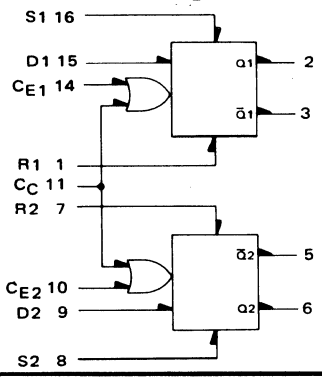


B08-89

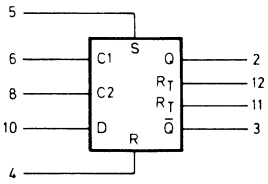


B08-90

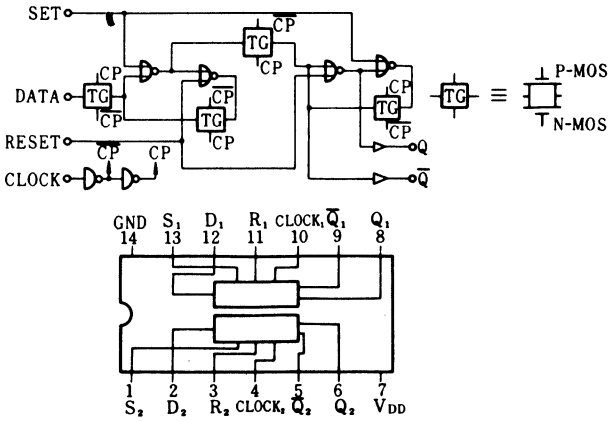
V_{CC} = Pin 4
V_{EE1} = Pin 12
V_{EE2} = Pin 13



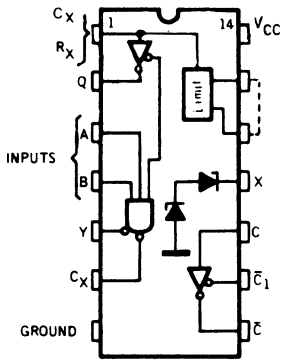
B08-91



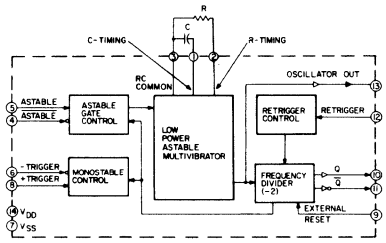
B08-92



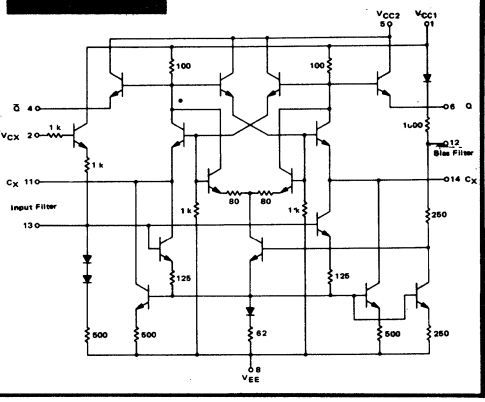
C01-14



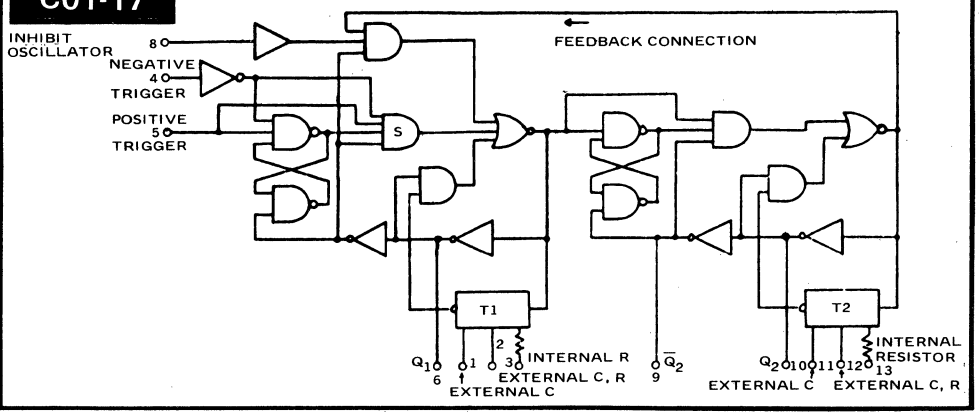
C01-15



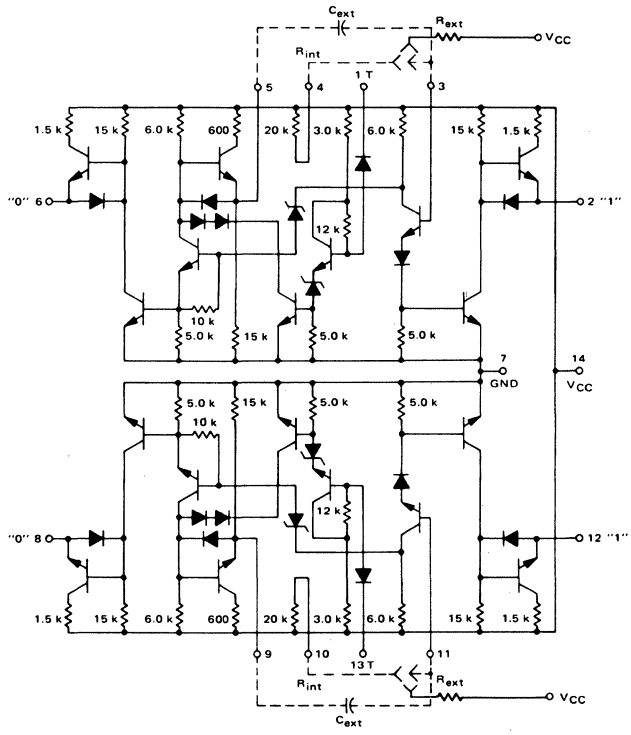
C01-16



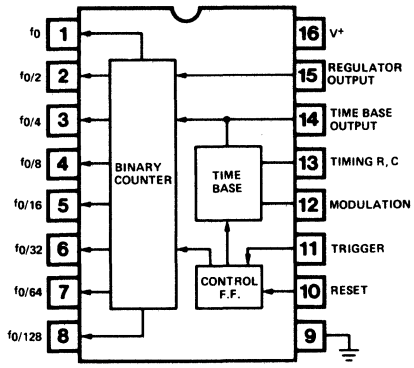
C01-17



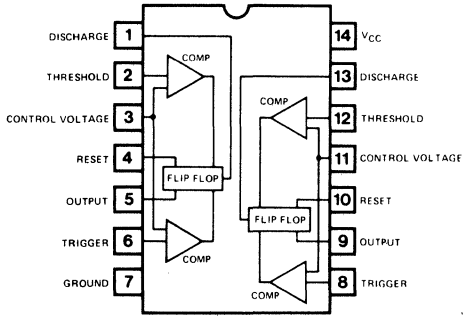
C01-18



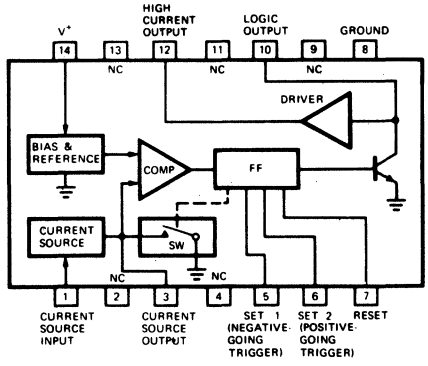
C01-19



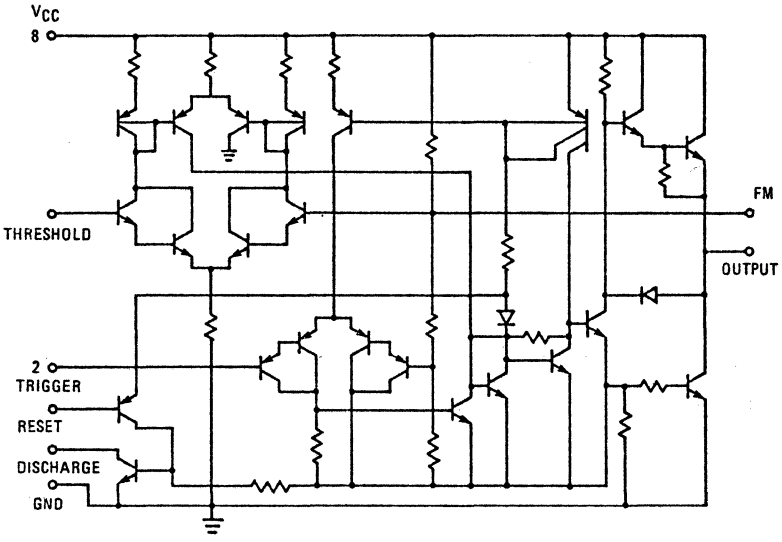
C01-20

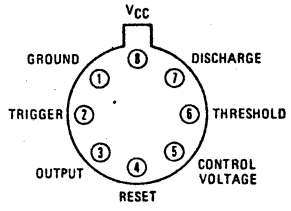


C01-21

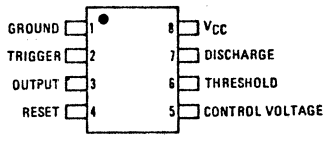


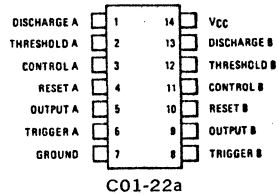
C01-22





C01-22



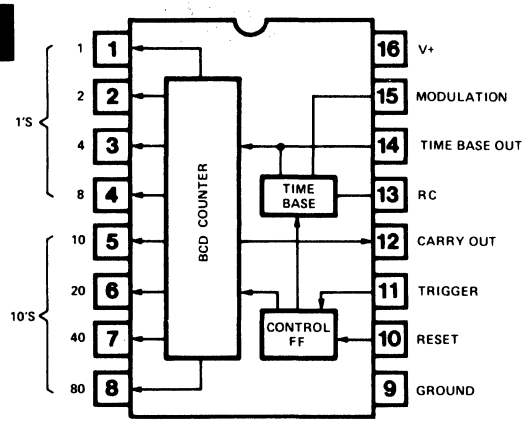


C01-22a

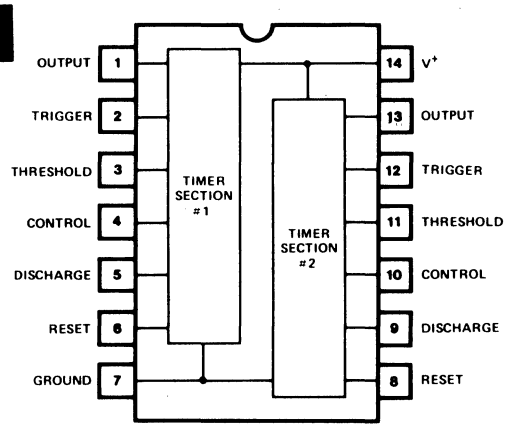
SECTION 12. LOGIC DRAWING

IN DRAWING NUMBER SEQUENCE

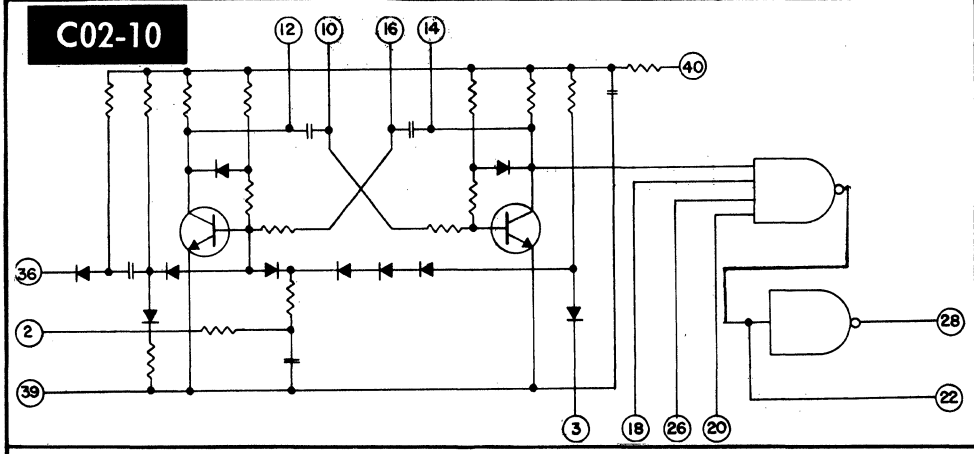
C01-24



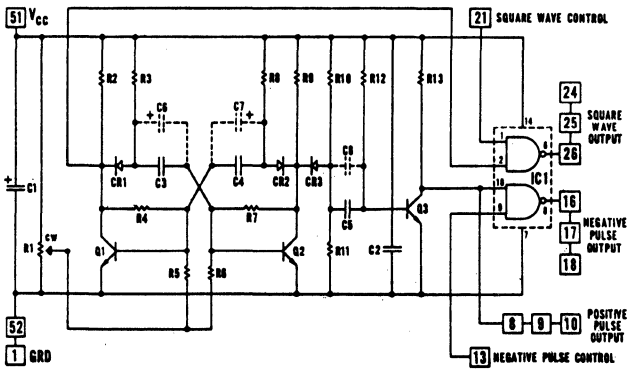
C01-25



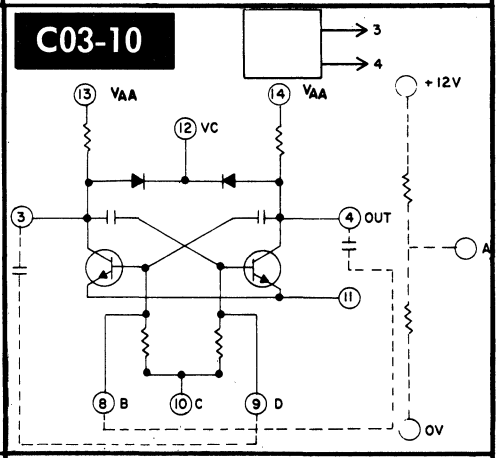
C02-10



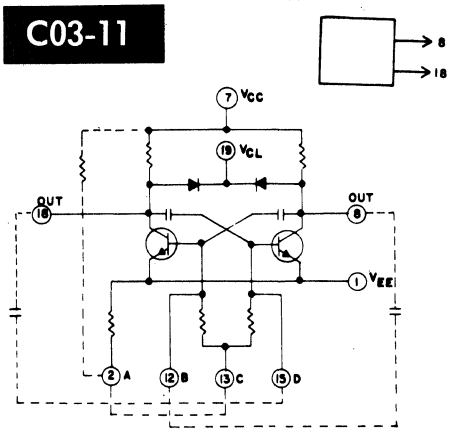
C02-11



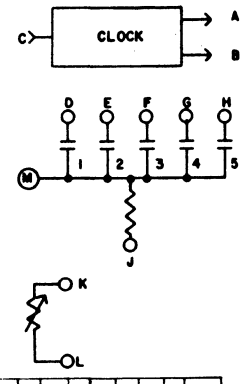
C03-10



C03-11



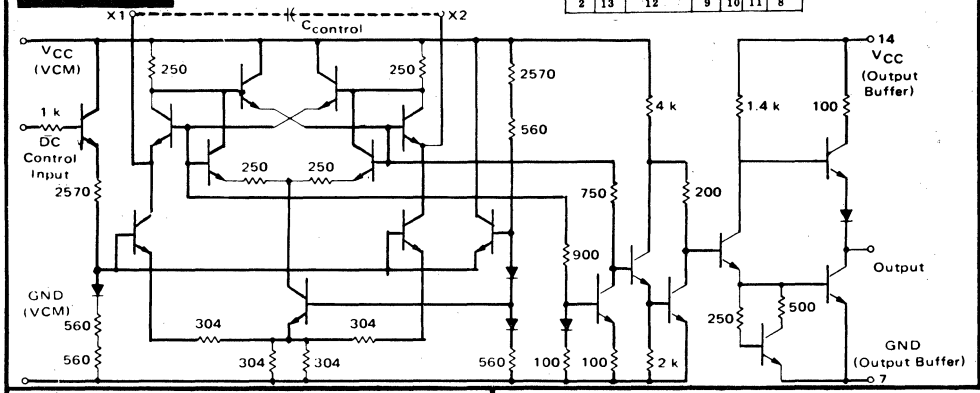
C03-17



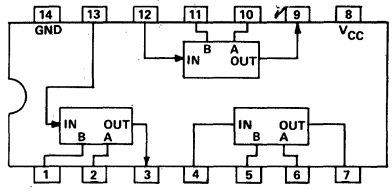
	A	B	C	D	E	F	G	H	J	K	L	M
C03-17	D	E	N	J	K	L			P	U		H

C03-23

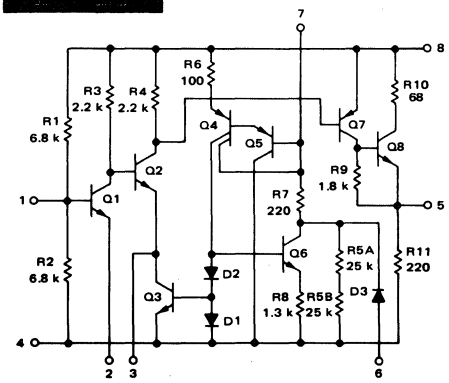
CKT	V_{CC}	DC CONT. IN.	GND	X1	X2	OUT
1	1	2	5	4	3	6
2	13	12	9	10	11	8



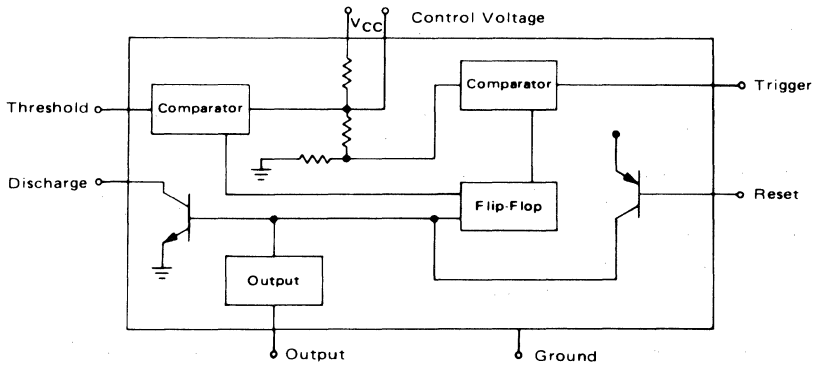
C03-24

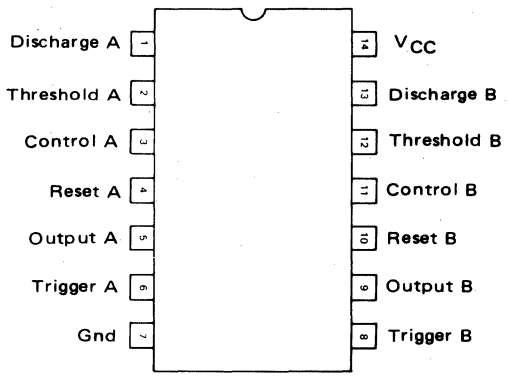


C03-25

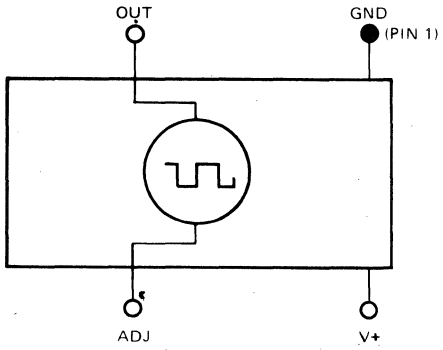


C03-26

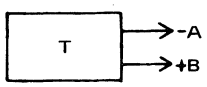




C03-27

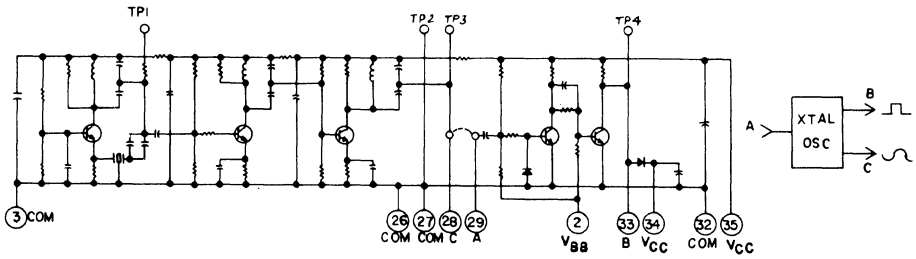


C04-15

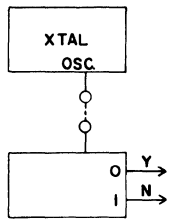


	A	B
C04-15a	D	E
C04-15b	D	C

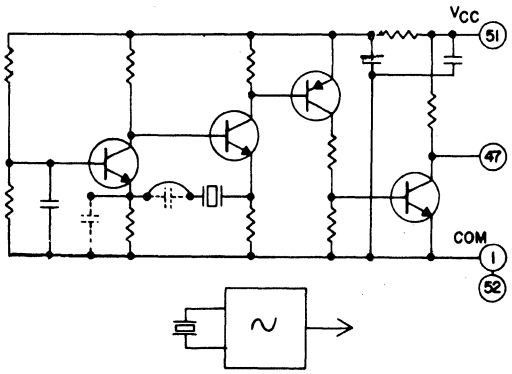
C04-25



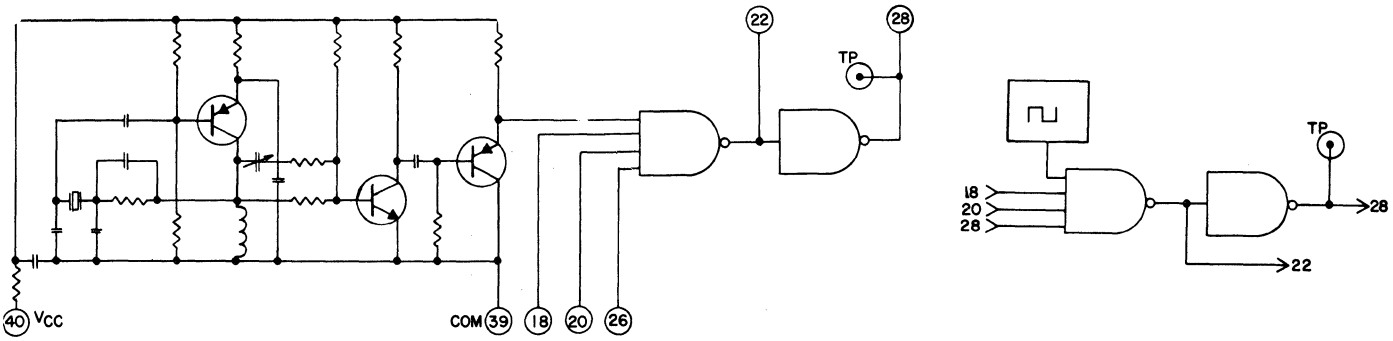
C04-29



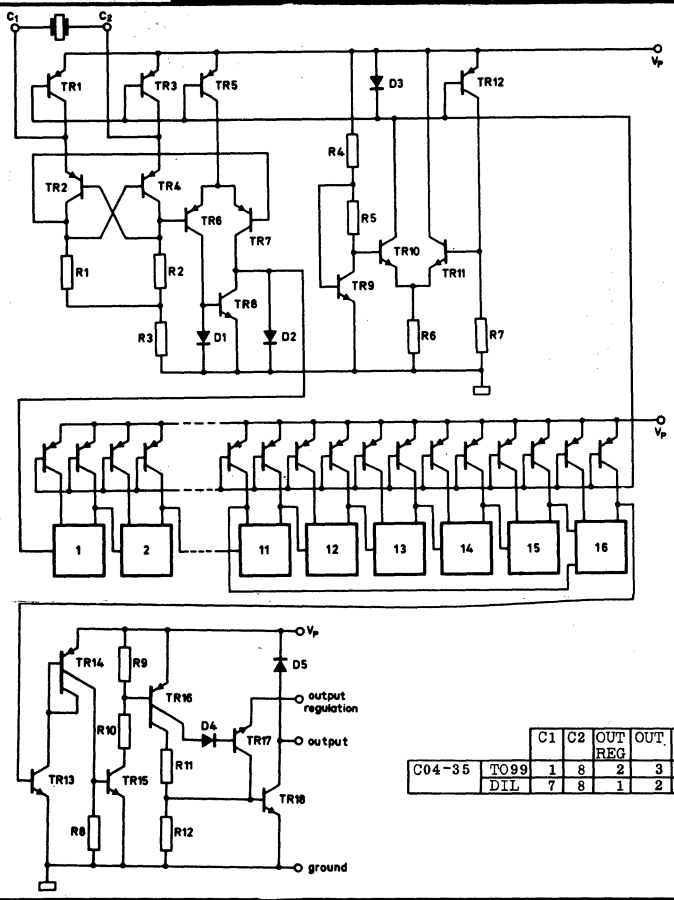
C04-30



C04-34

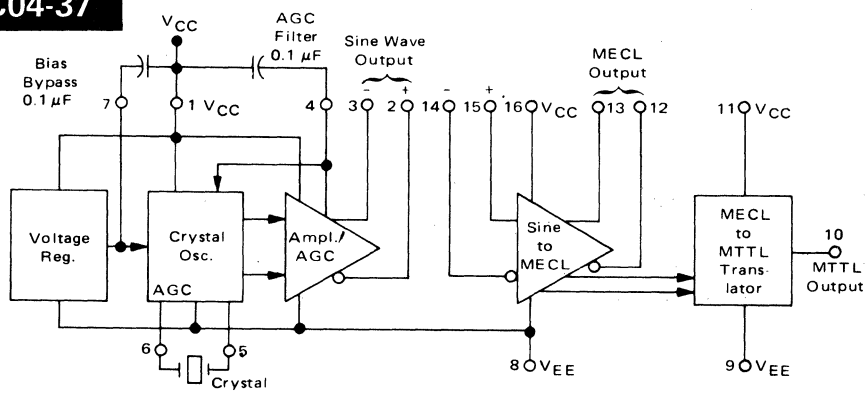


C04-35

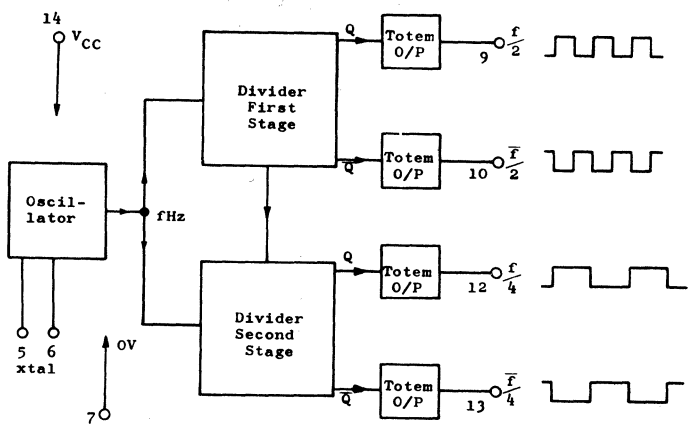


		C1	C2	OUT REG	OUT	GND	VP
C04-35	TO99	1	8	2	3	4	5
	DIL	7	8	1	2	3	4

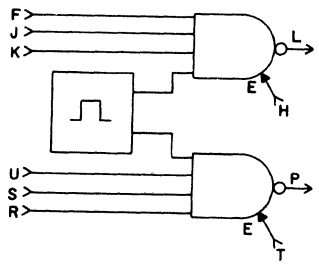
C04-37



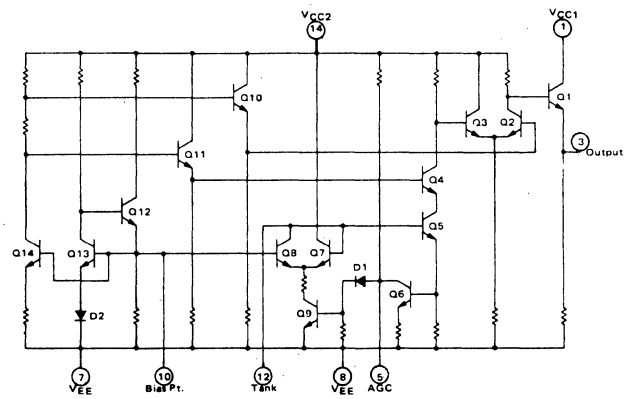
C04-38



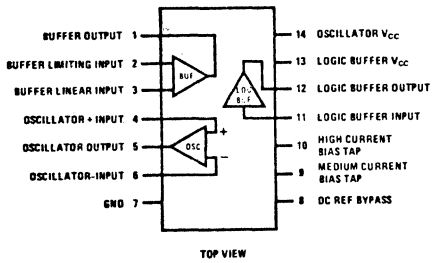
C06-6



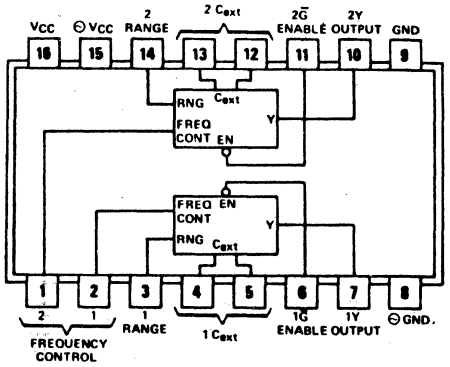
C06-12



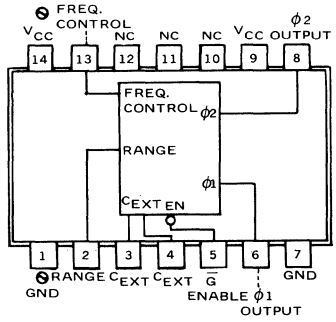
C06-13



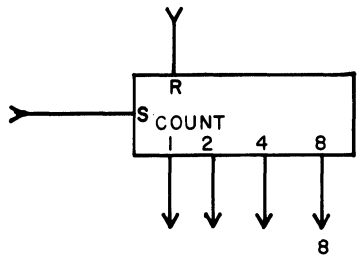
C07-1



C07-2

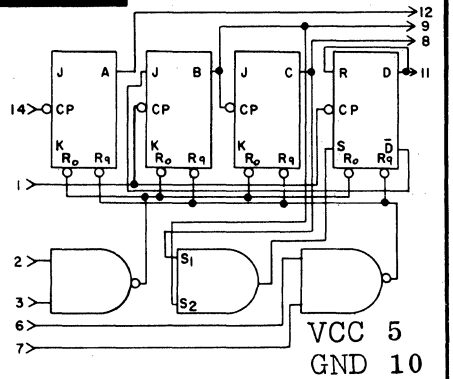


E01-10

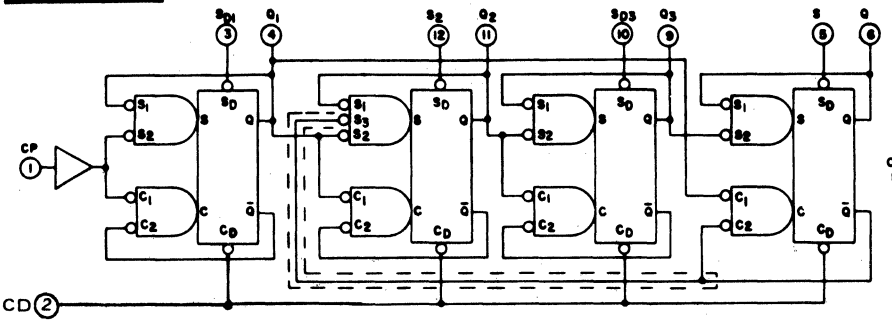


PKG.	S	R	1	2	4	8	COM	V_{CC}
CN	5	6	3	2	1	8	4	7
FP	9	12	5	4	3	2	7	14

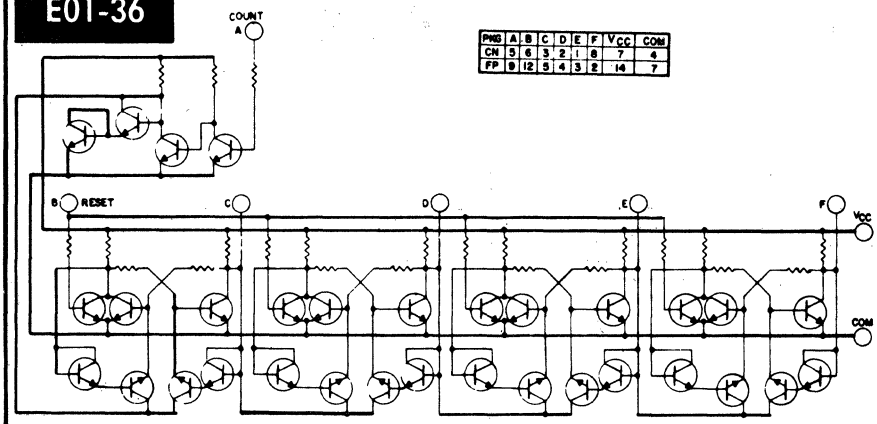
E01-31



E01-35

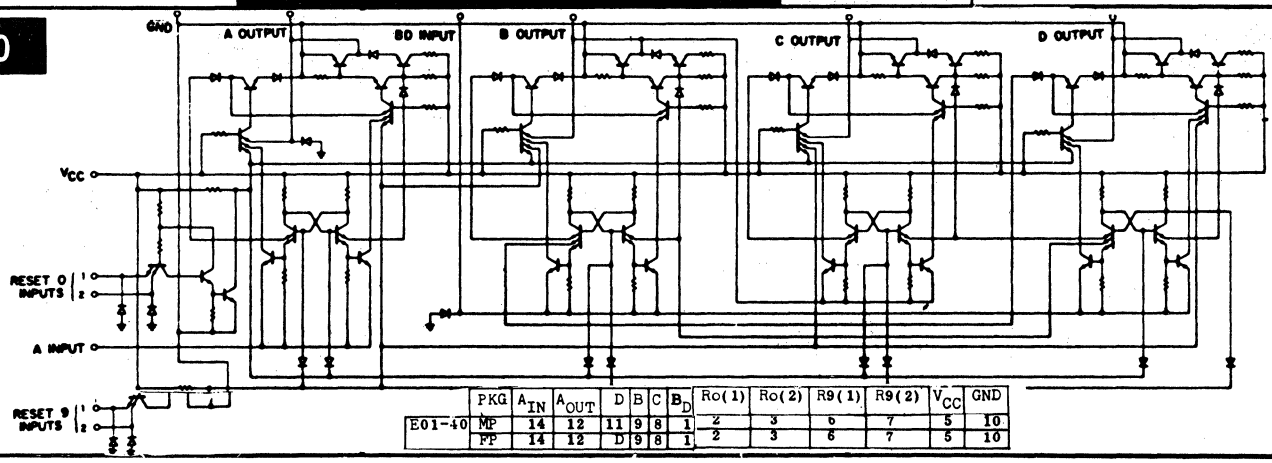


E01-36



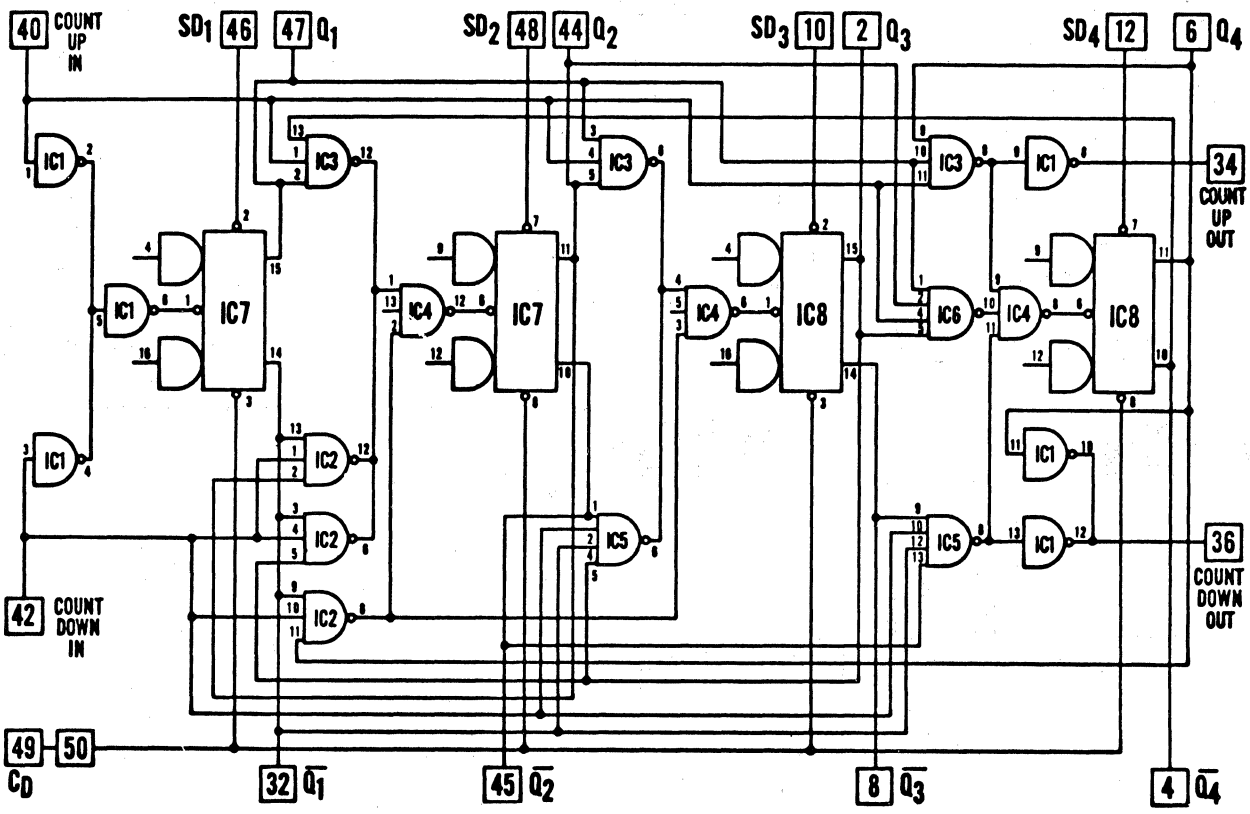
PKG	A	B	C	D	E	F	V_{CC}	COM
CN	5	6	3	2	1	8	7	4
FP	9	12	5	4	3	2	14	7

E01-40

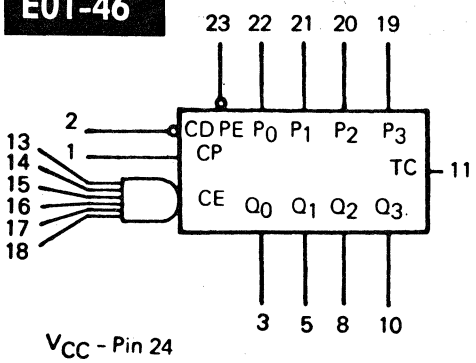


	PKG	A_{IN}	A_{OUT}	D	B	C	B_D	Ro(1)	Ro(2)	R9(1)	R9(2)	V_{CC}	GND
E01-40	MP	14	12	11	9	8	1	2	3	6	7	5	10
	FP	14	12	D	9	8	1	2	3	6	7	5	10

E01-43



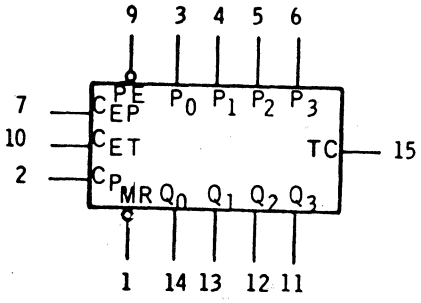
E01-46



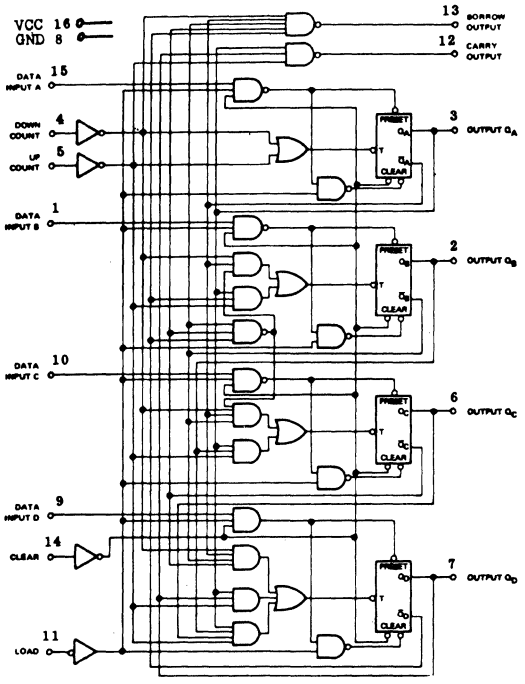
V_{CC} - Pin 24
GND - Pin 12

E01-47

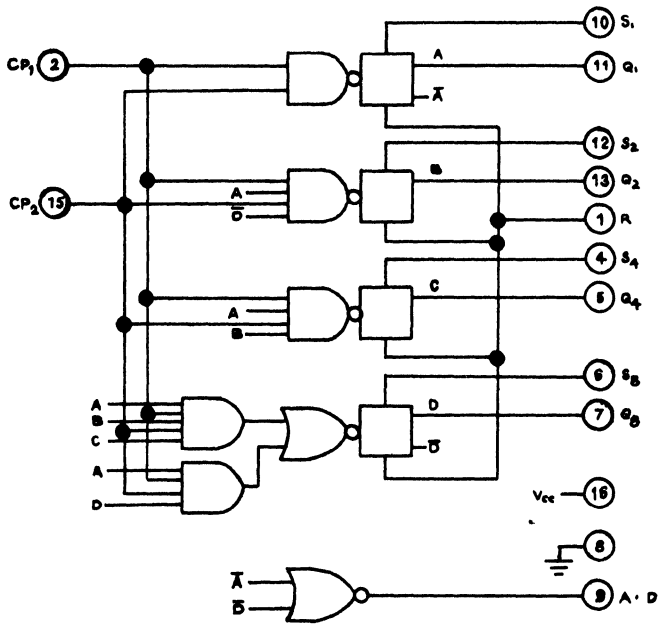
V_{CC} = pin 16
GND = pin 8



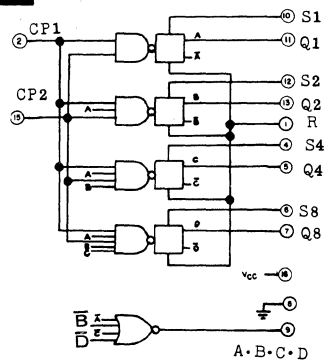
E01-48



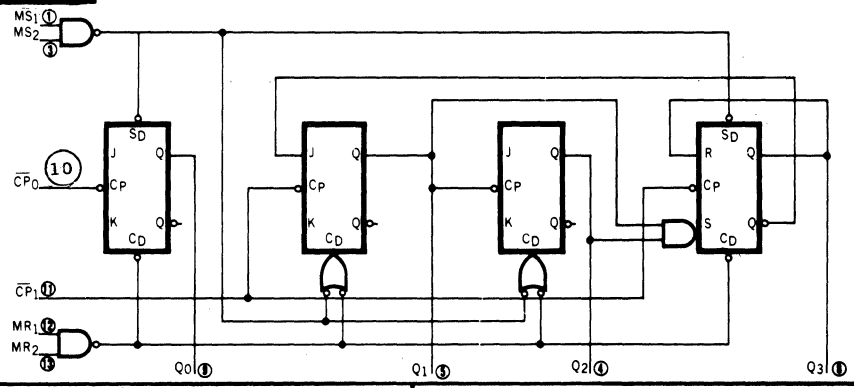
E01-49



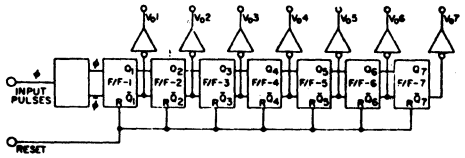
E01-50



E01-51

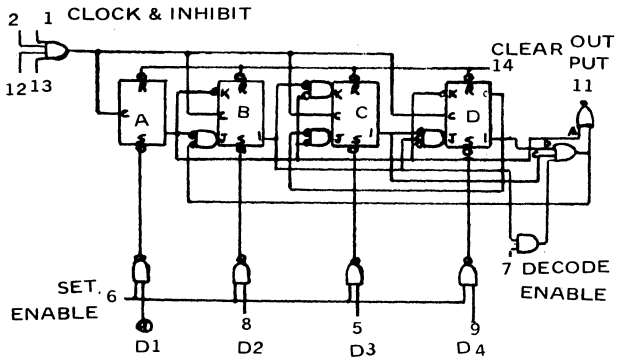


E01-54

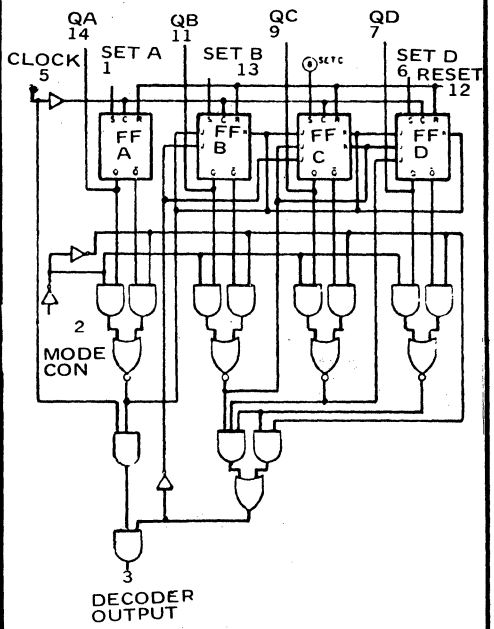


	Input P	RESET	Vo1	Vo2	Vo3	Vo4	Vo5	Vo6	Vo7	VDD	VSS
E01-54	1	2	12	11	9	6	5	4	3	14	7
E01-54a	1	3	11	10	9	7	6	5	4	2	12

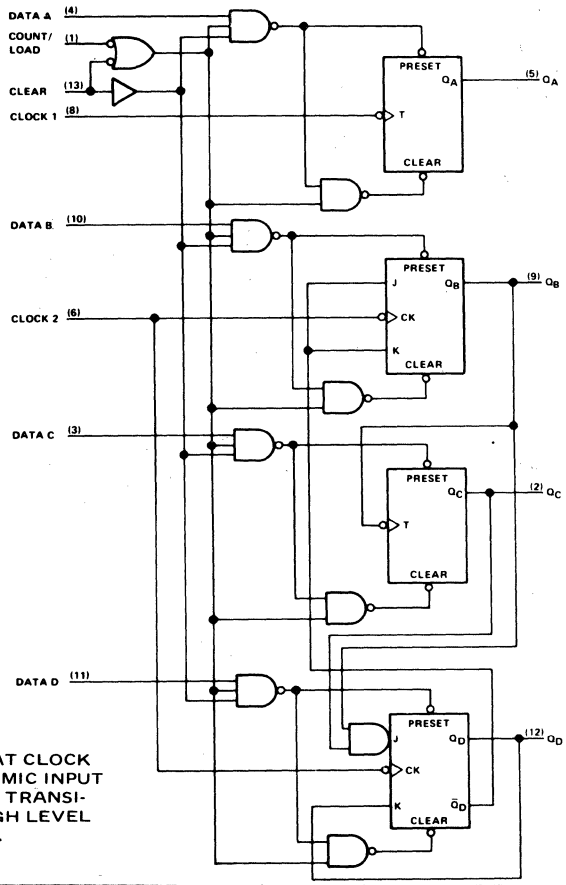
E01-55



E01-56

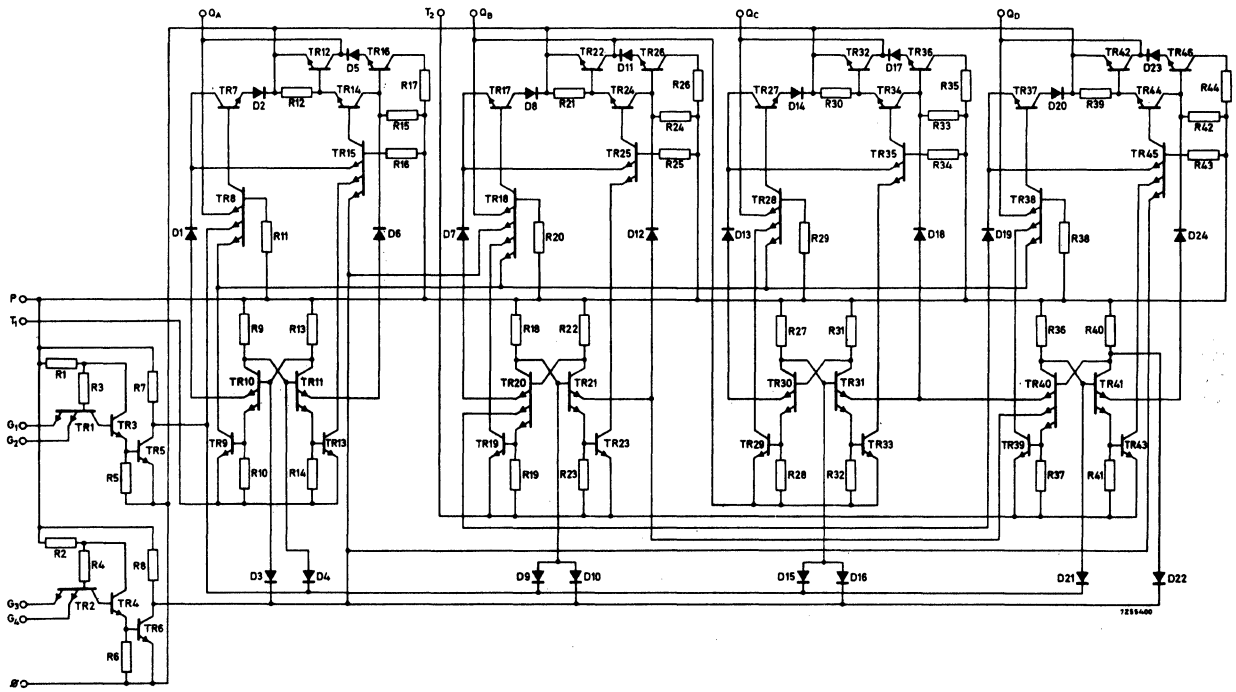


E01-57

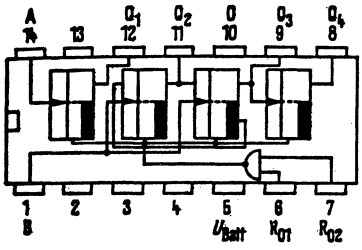


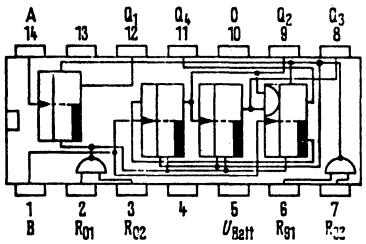
E01-57a — T AT CLOCK INDICATES DYNAMIC INPUT ACTIVATED BY A TRANSITION FROM A HIGH LEVEL TO A LOW LEVEL.

E01-59

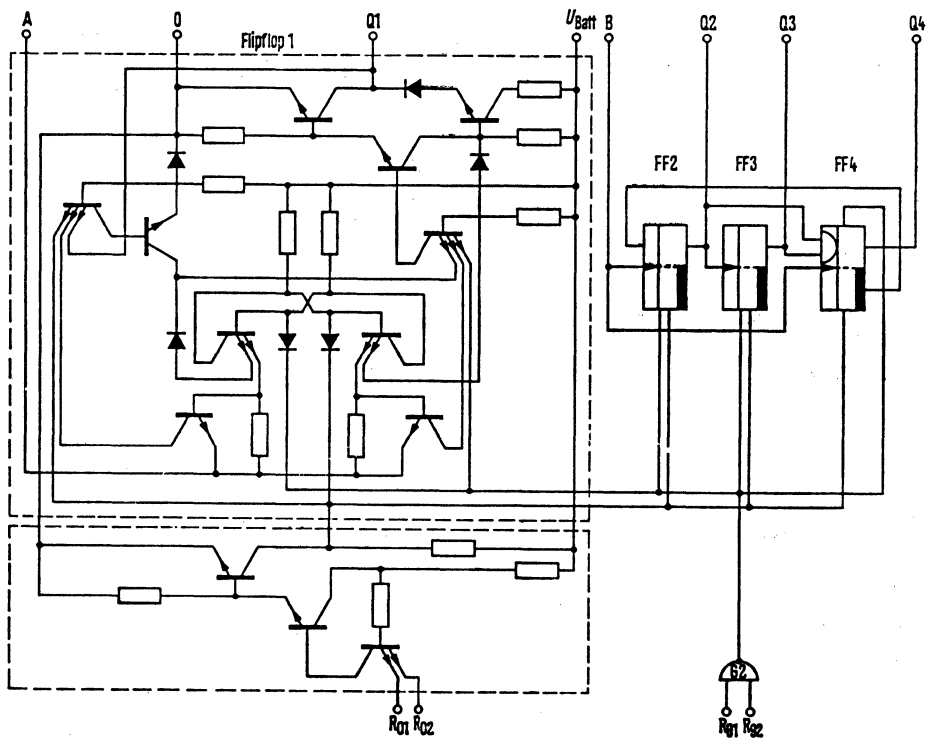


E01-60

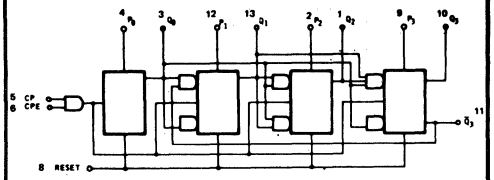




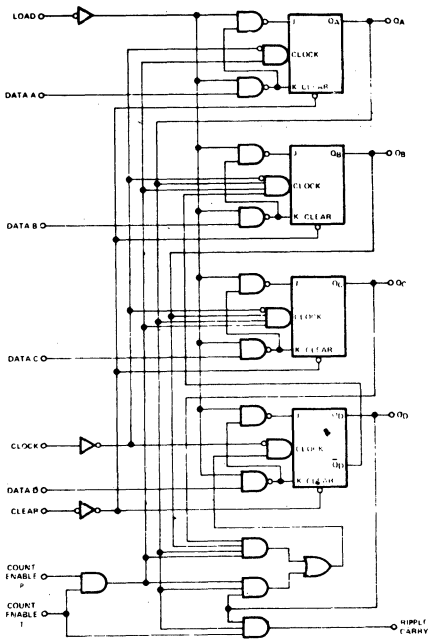
E01-61



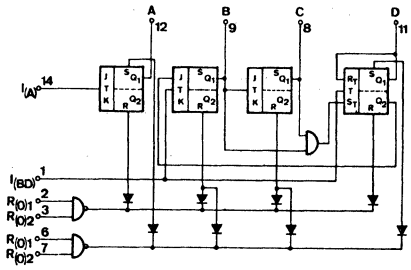
E01-62



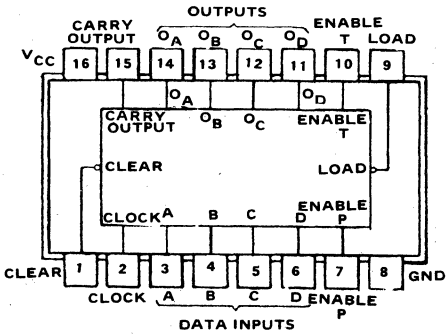
E01-64



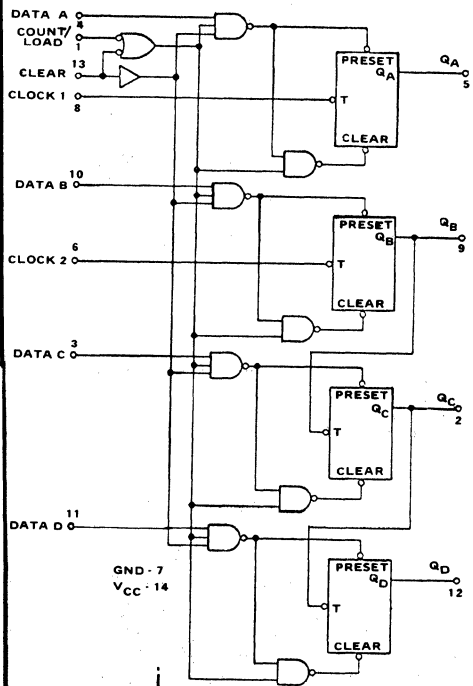
E01-65



E01-66

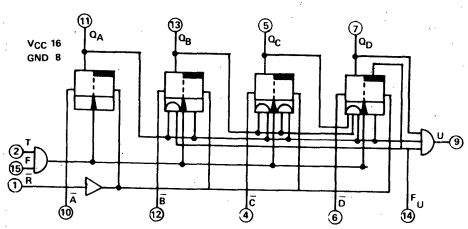


E01-67

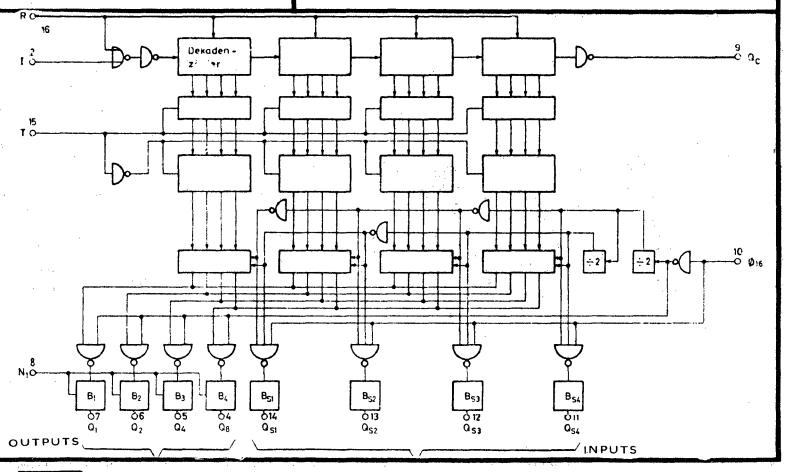


E01-67a — T AT CLOCK INDICATES DYNAMIC INPUT ACTIVATED BY A TRANSITION FROM A HIGH LEVEL TO A LOW LEVEL.

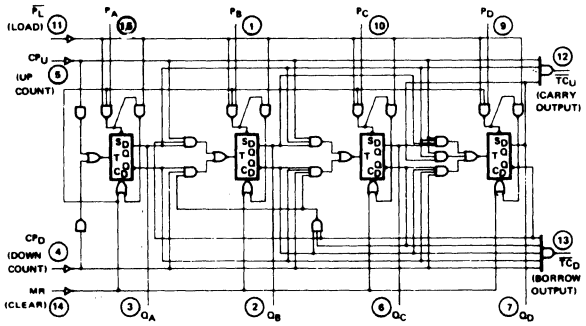
E01-69



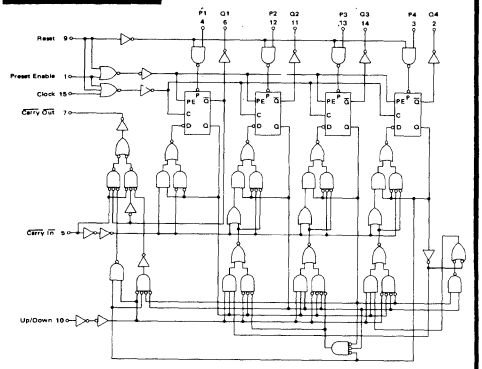
E01-70



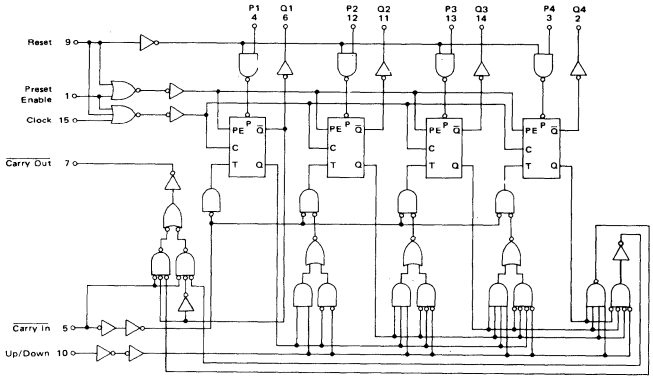
E01-71



E01-73

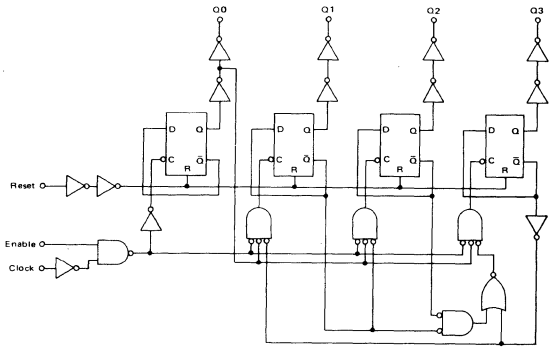


E01-74

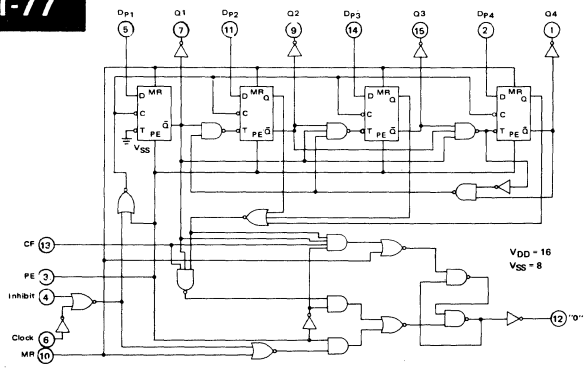


E01-75

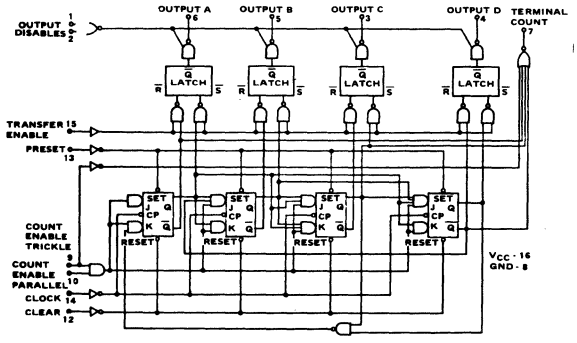
	CKT	C	EN	R	Q			
					0	1	2	3
E01-75	1	1	2	7	3	4	5	6
	2	9	10	15	11	12	13	14



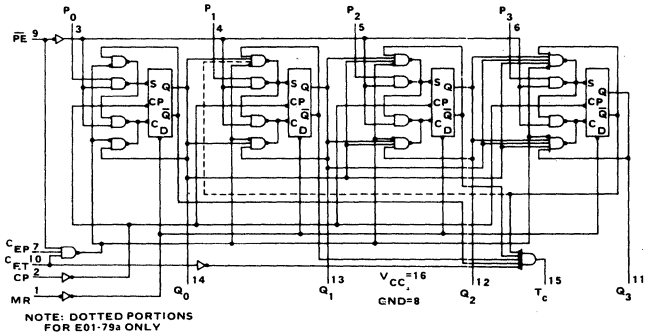
E01-77



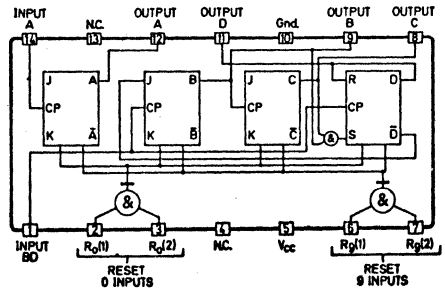
E01-78



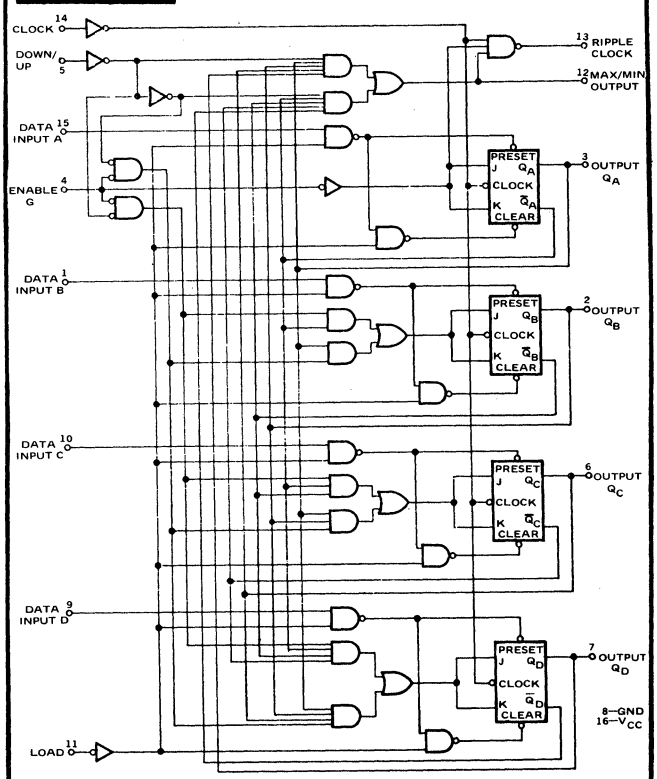
E01-79



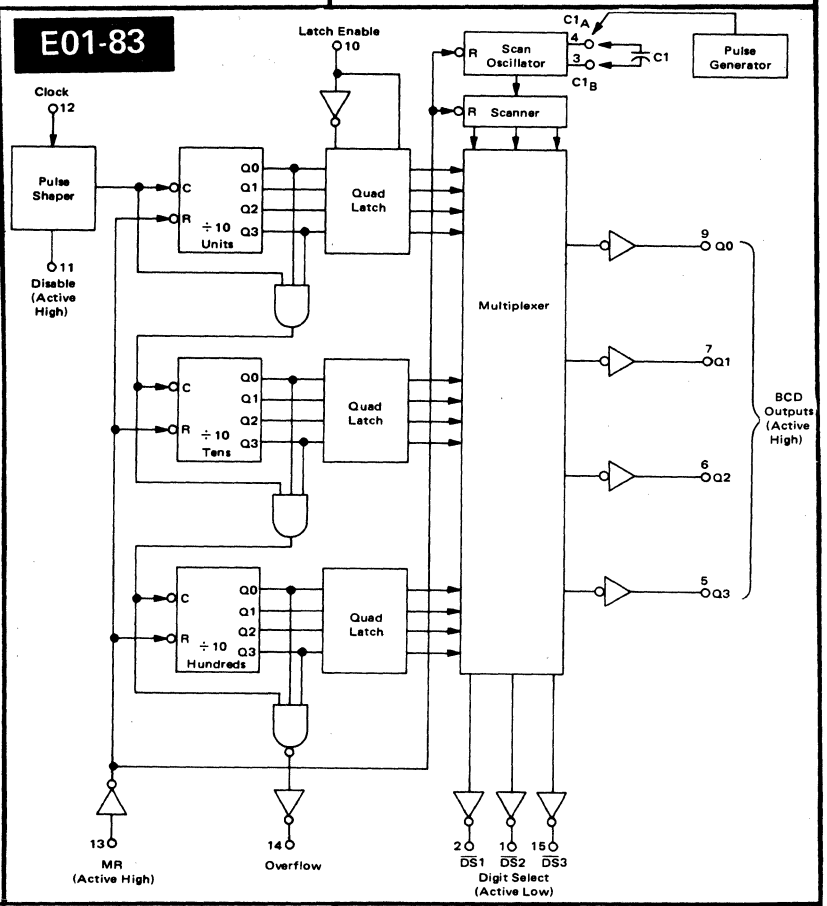
E01-80



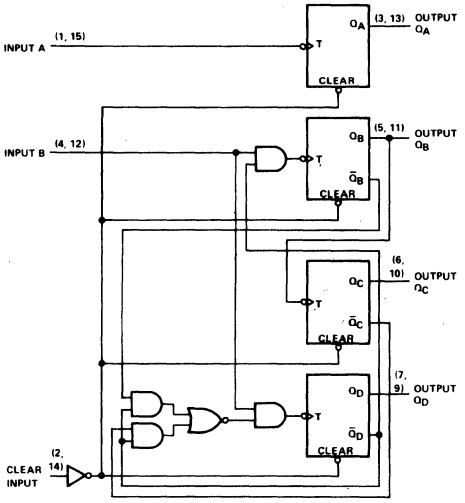
E01-82



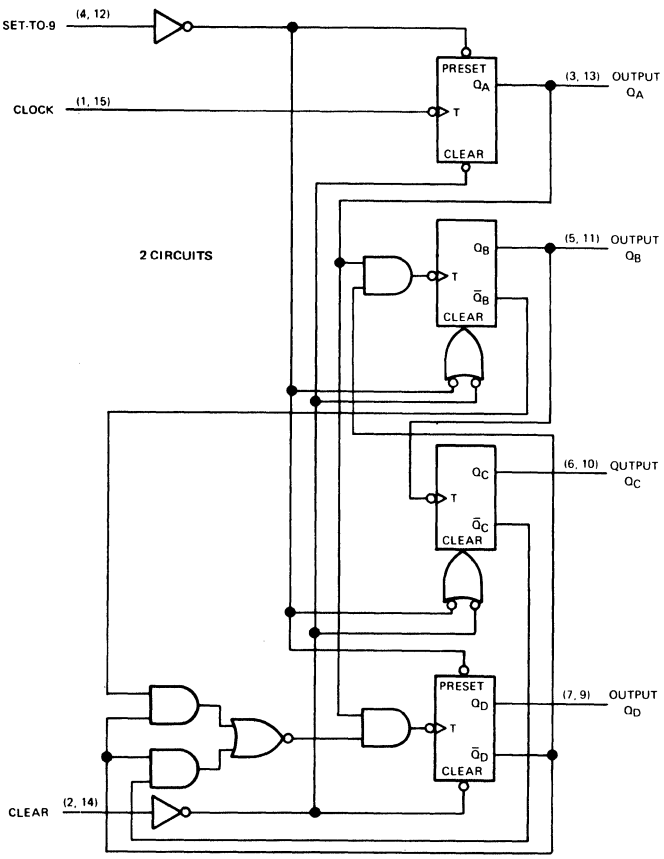
E01-83



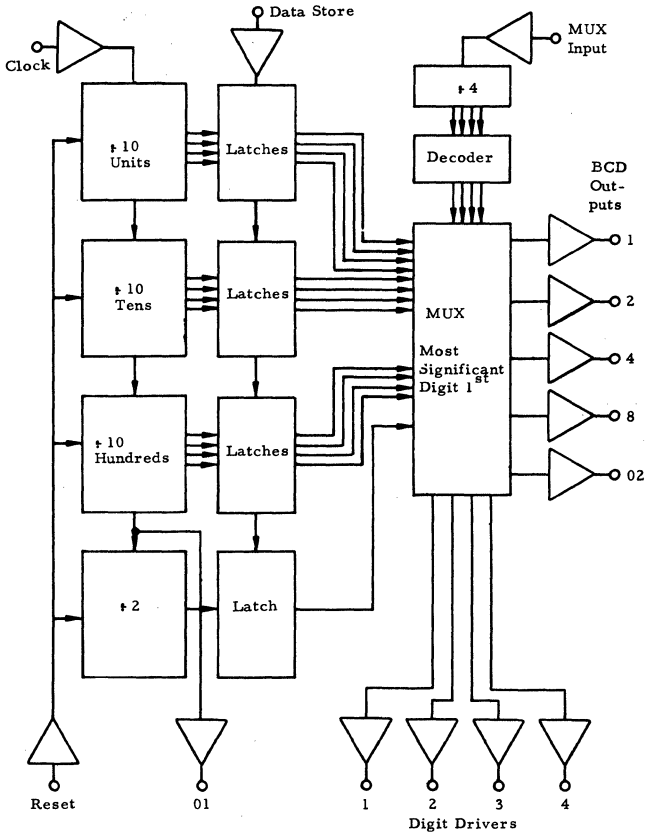
E01-87



E01-88

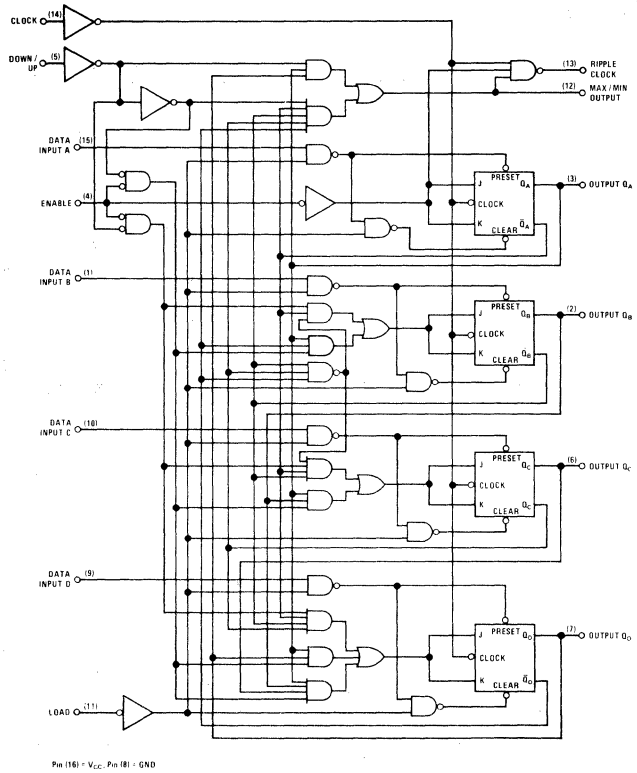


E01-89



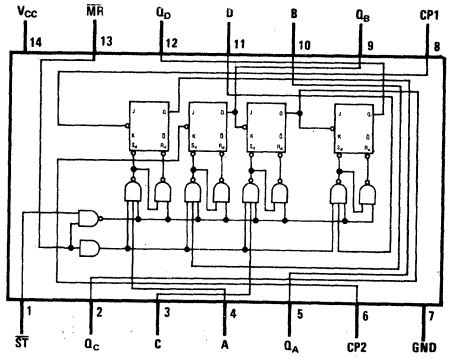
1 = O1
2 = O2
3 = Clock Input
4 = Data State
5 = Reset
6 = MUX Input
7 = DD1
8 = V_{SS}
9 = DD2
10 = DD3
11 = DD4
12 = BCD-1
13 = BCD-2
14 = BCD-4
15 = BCD-8
16 = V_{DD}

E01-91

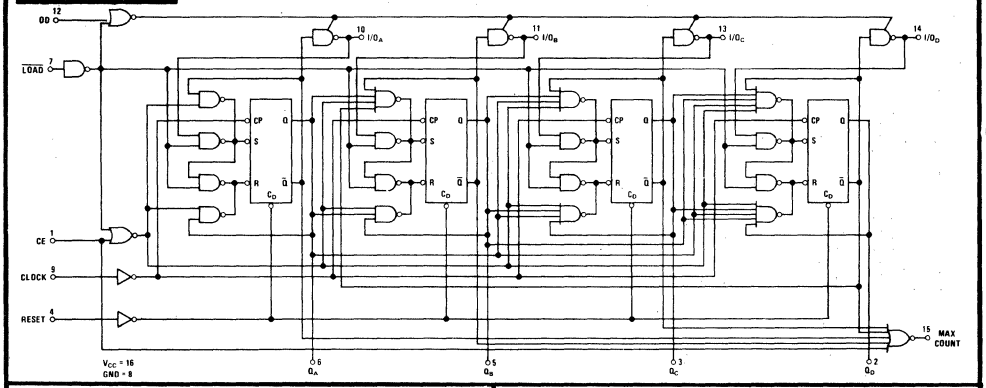


Pin (16) = V_{CC}, Pin (8) = GND

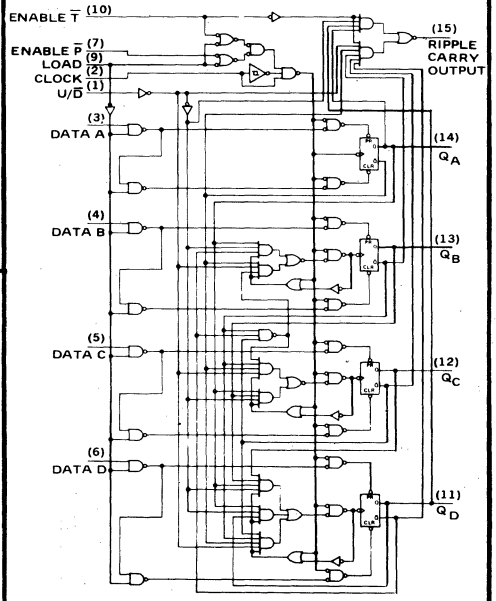
E01-92



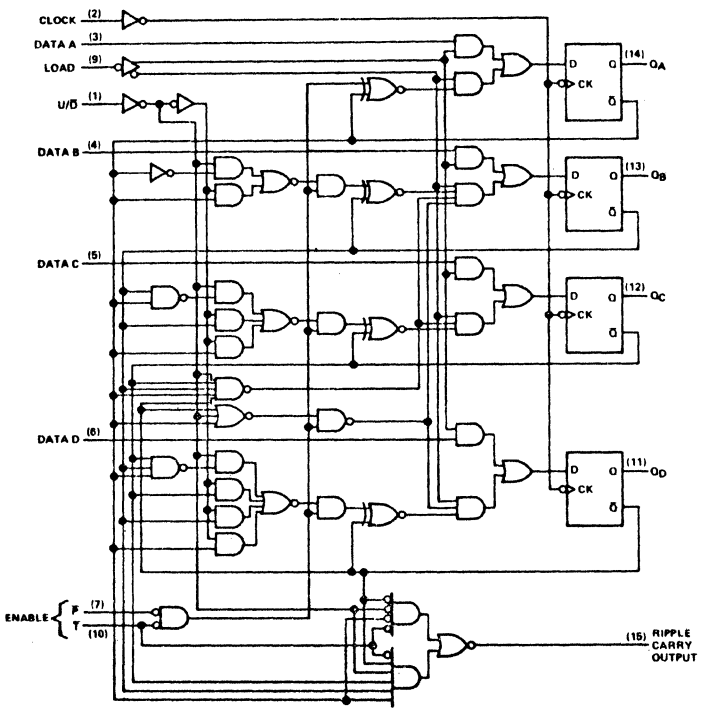
E01-93



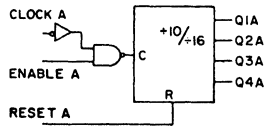
E01-96

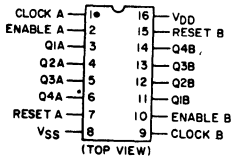


E01-97

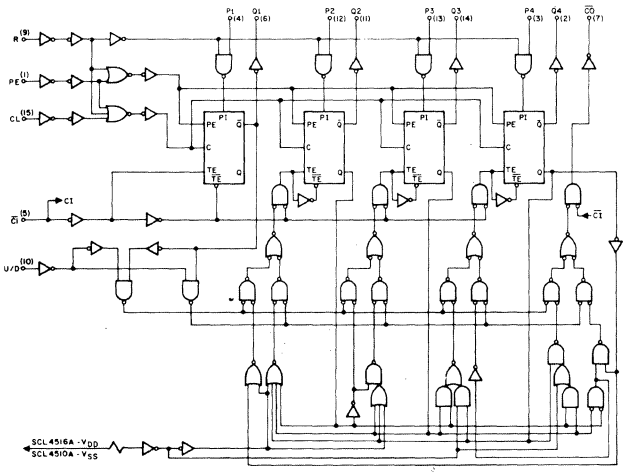


E01-98

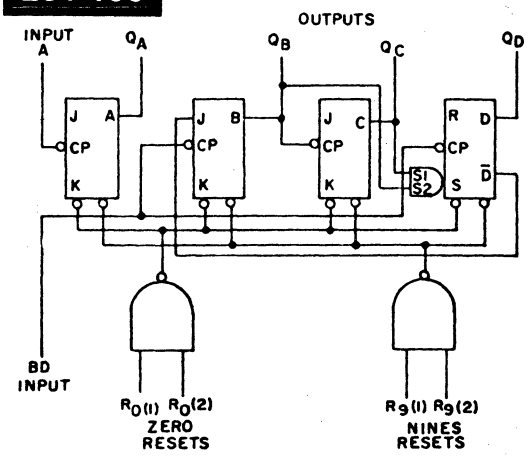


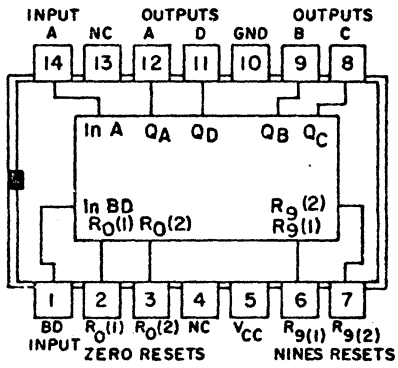


E01-99

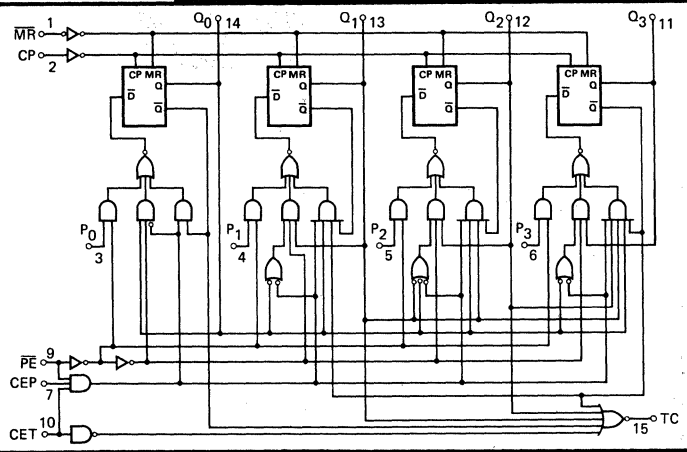


E01-100

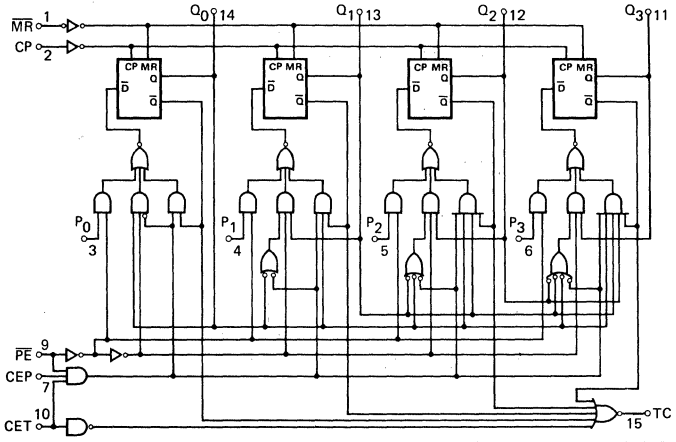




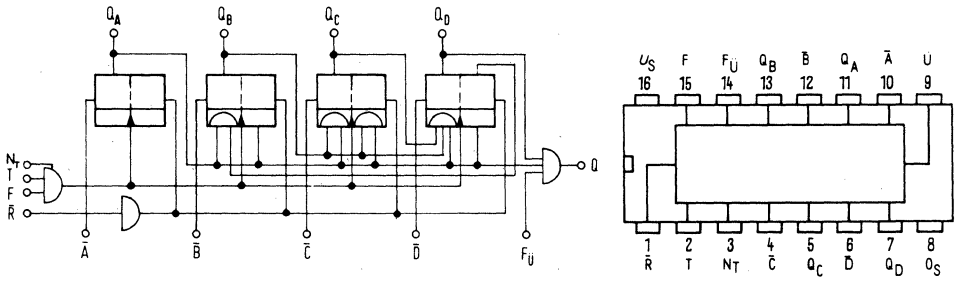
E01-101



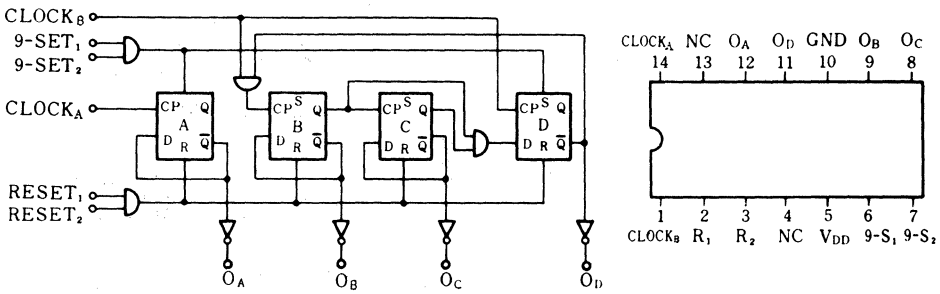
E01-102



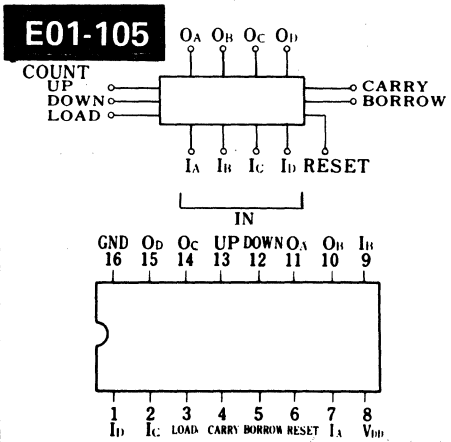
E01-103



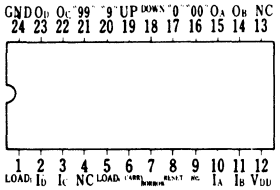
E01-104

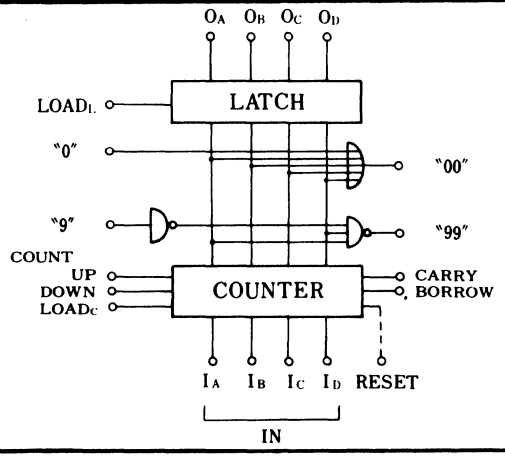


E01-105

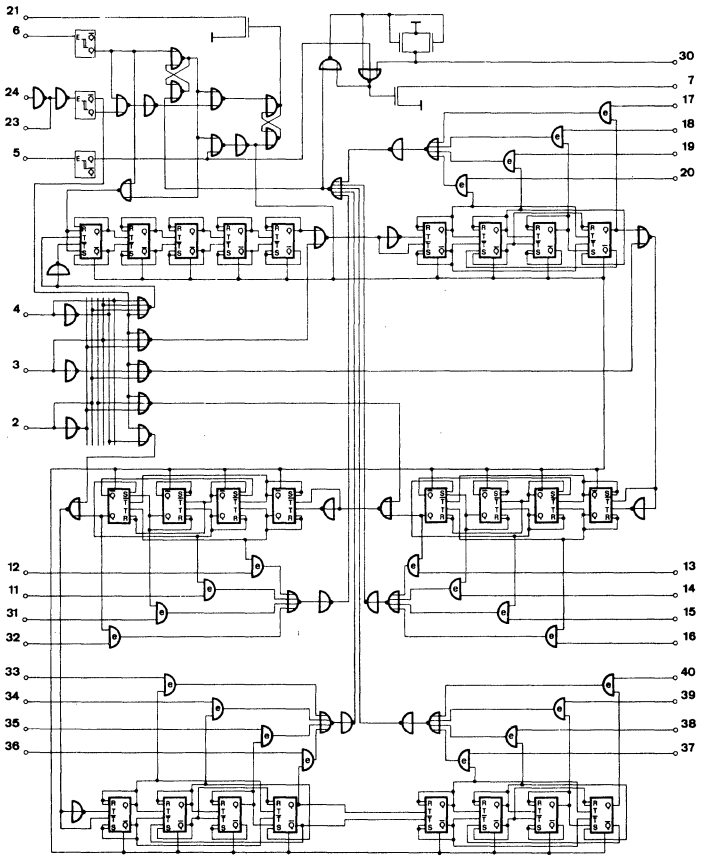


E01-106

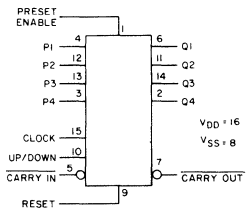




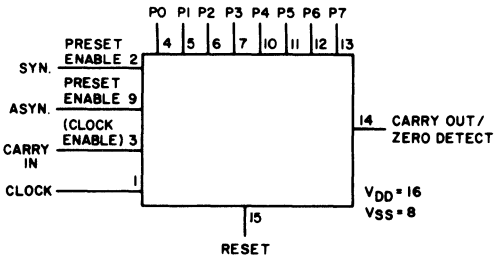
E01-107



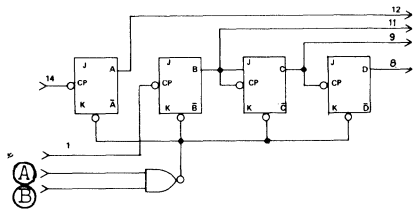
E01-108



E01-109

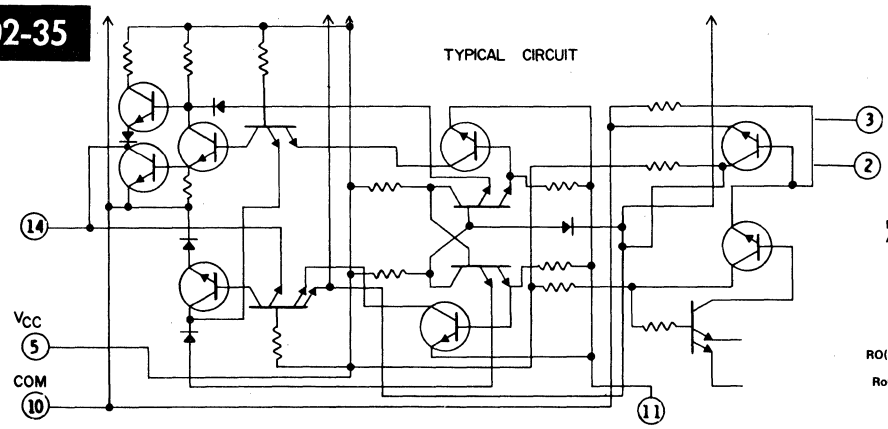


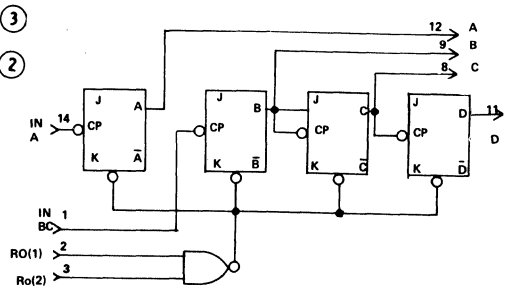
E02-34



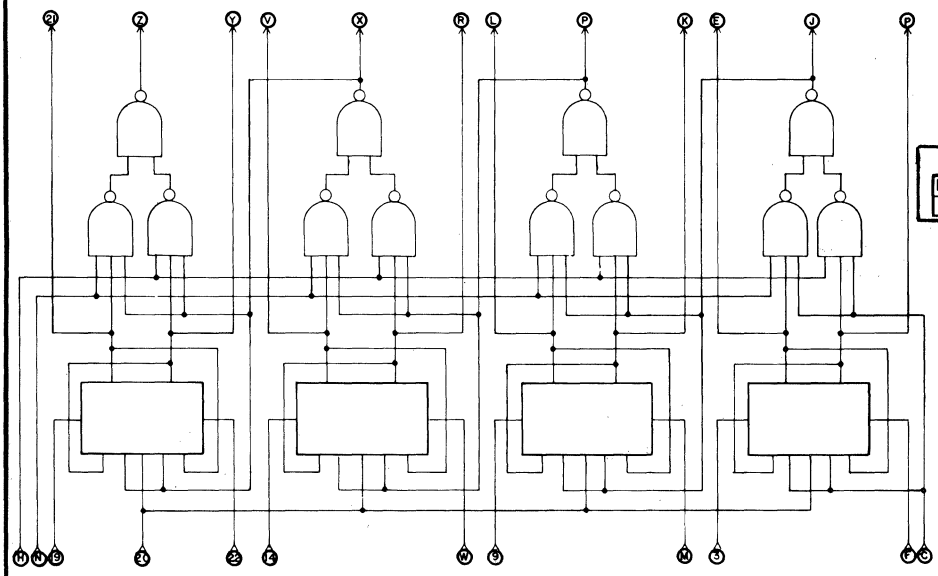
	A	B
E02-34	6	7
E02-34a	2	3
E02-34b	12	13

E02-35

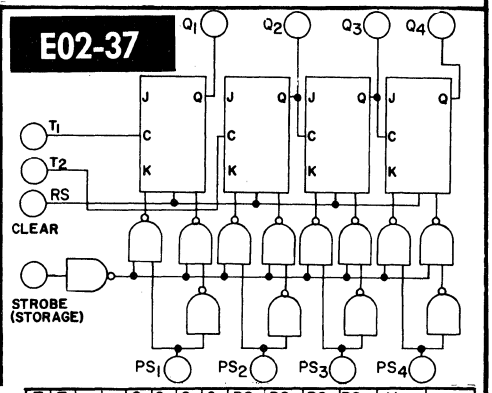




E02-36

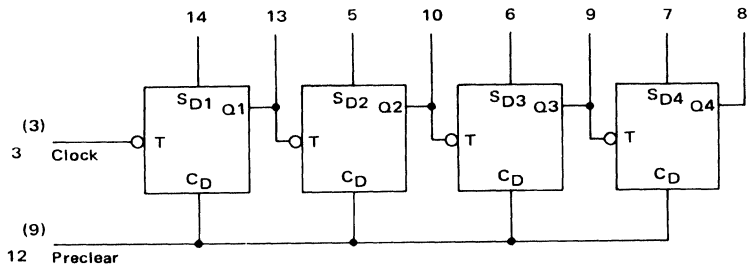


E02-37

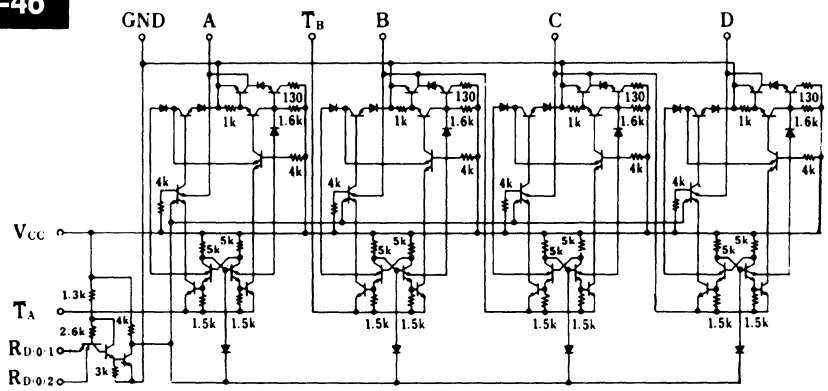


	T1	T2	RS	S	Q1	Q2	Q3	Q4	PS1	PS2	PS3	PS4	VCC	COM
E02-37	8	6	13	1	5	9	2	12	4	10	3	11	14	7
E02-37A	12	10	3	5	9	13	6	2	8	14	7	1	4	11

E02-44



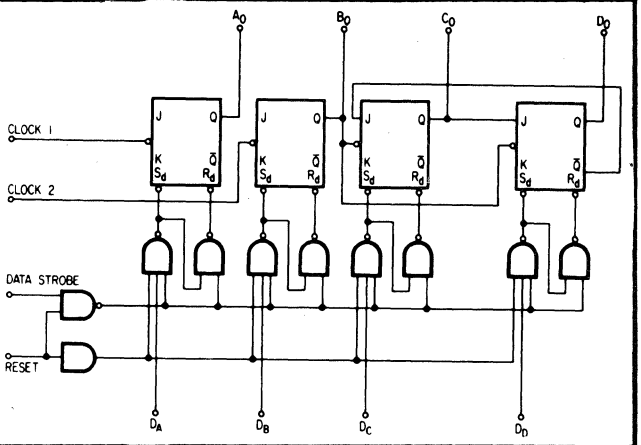
E02-46



DWG NO	CKT NO	$\overline{T}_A$	$\overline{T}_B$	$R_{D(0)1}$	$R_{D(0)2}$	A	B	C	D	VCC	COM
E0246	1	8	9	10	11	6	4	3	5	14	7
E0246a	1	14	1	2	3	12	9	8	11	5	10
E0246b	1	14	1	6	7	12	11	9	8	5	10

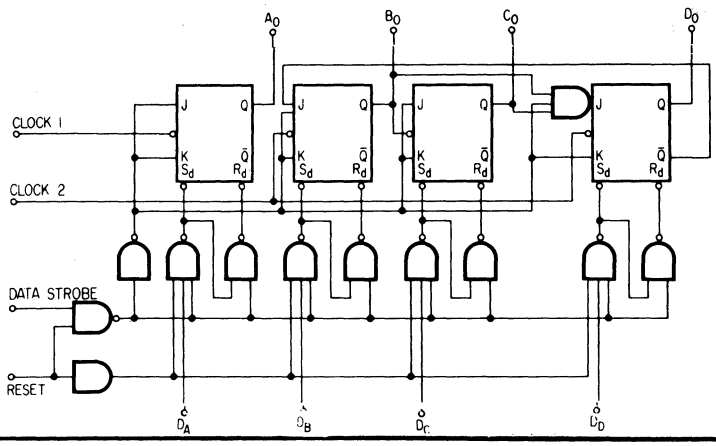
E02-48

	PKG	A0	B0	C0	D0	C1	C2	STROBE	RESET	DA	DB	DC	DD	VCC	GND
E02-48	MP	5	9	2	12	8	6	1	13	4	10	3	11	14	7
	FP	9	13	6	2	12	10	5	3	8	14	7	1	4	11

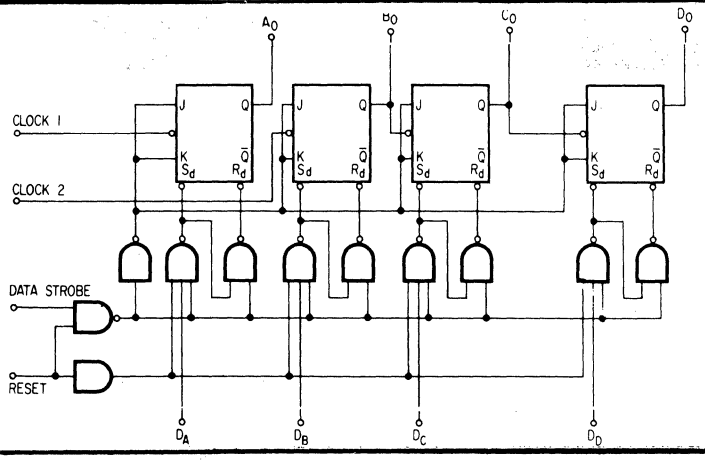


E02-49

	PKG	A_0	B_0	C_0	D_0	C_1	C_2	STROBE	RESET	D_A	D_B	D_C	D_D	V_{CC}	GND
E02-49	MP	5	9	2	12	8	6	1	13	4	10	3	11	14	7
	FP	9	13	6	2	12	10	5	3	8	14	7	1	4	11

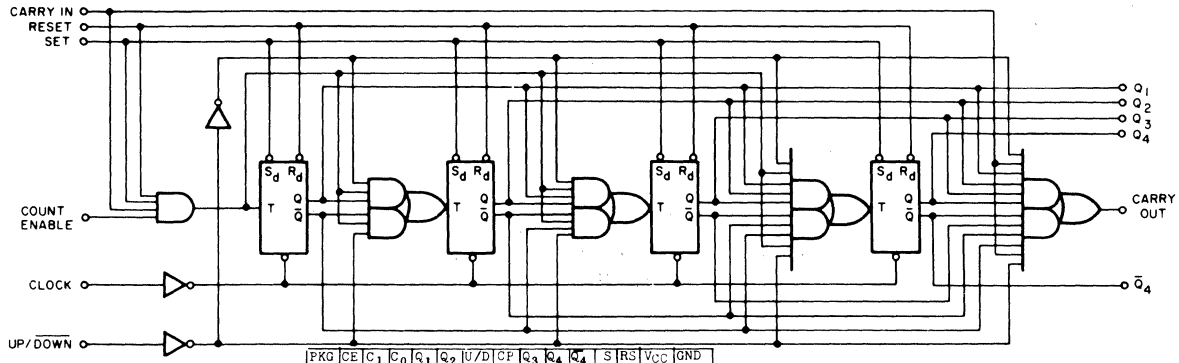


E02-50



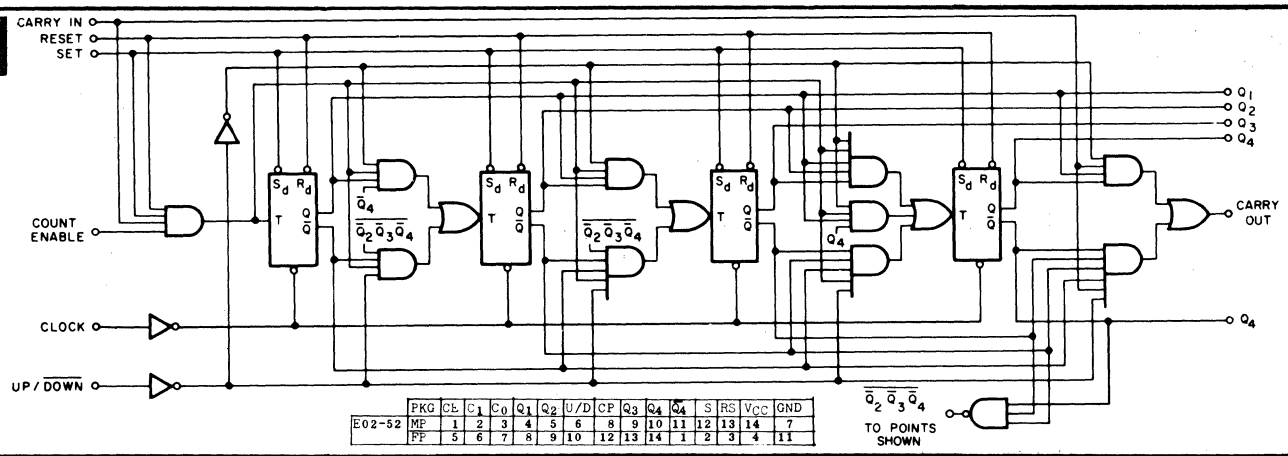
	PKG	A_0	B_0	C_0	D_0	C_1	C_2	STROBE	RESET	D_A	D_B	D_C	D_D	V_{CC}	GND
E02-50	MP	5	9	2	12	8	6	1	13	4	10	3	11	14	7
	FP	9	13	6	2	12	10	5	3	8	14	7	1	4	11

E02-51



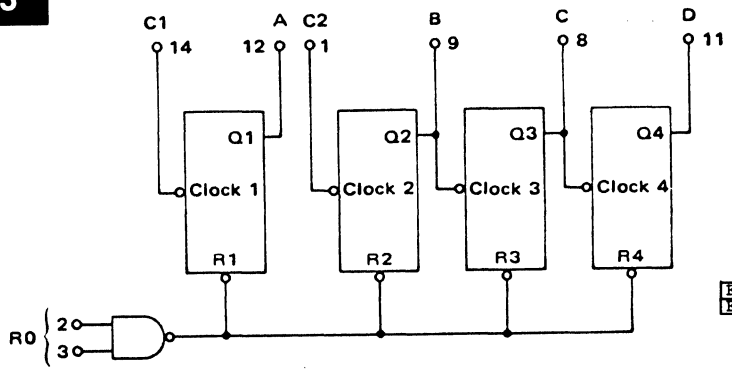
	PKG	CE	C_1	C_0	Q_1	Q_2	U/D	CP	Q_3	Q_4	$\overline{Q_4}$	S	RS	V_{CC}	GND
E02-51	MP	1	2	3	4	5	6	8	9	10	11	12	13	14	7
	FP	5	6	7	8	9	10	12	13	14	1	2	3	4	11

E02-52



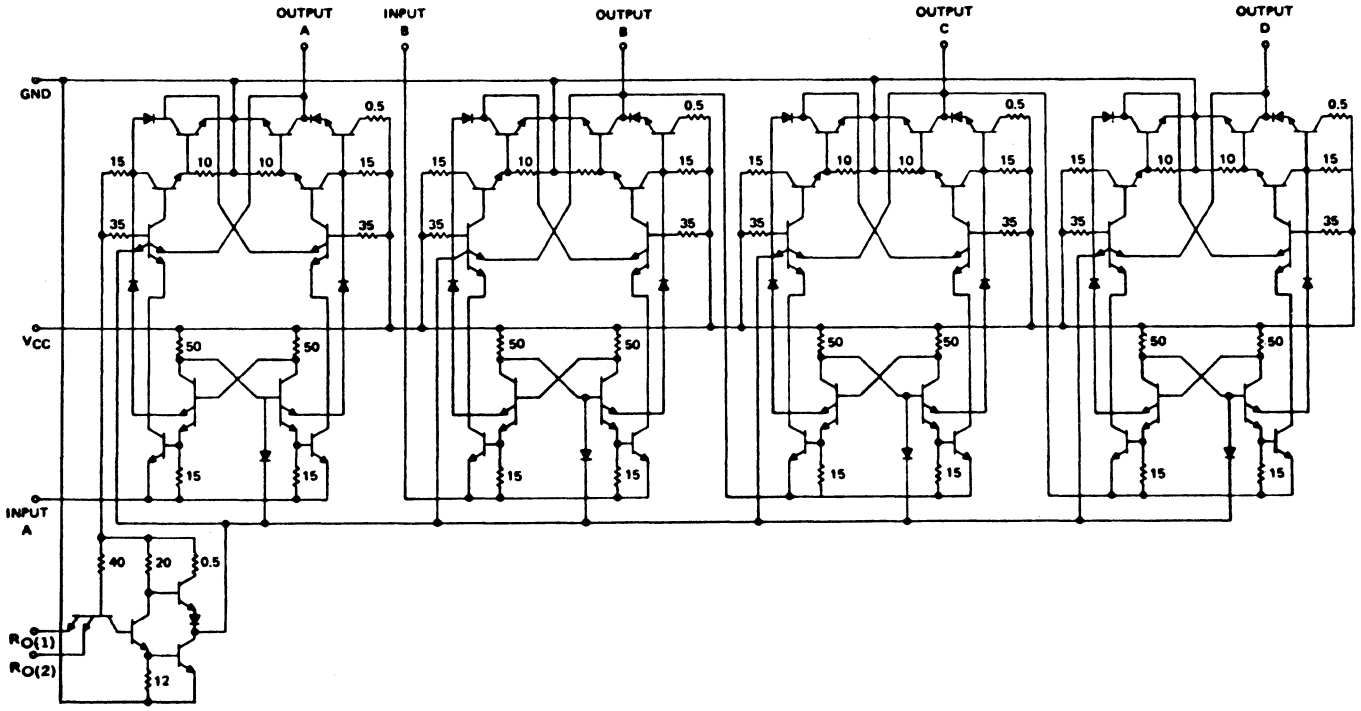
	PKG	CE	C_1	C_0	Q_1	Q_2	U/D	CP	Q_3	Q_4	$\overline{Q_4}$	S	RS	V_{CC}	GND
E02-52	MP	1	2	3	4	5	6	8	9	10	11	12	13	14	7
	FP	5	6	7	8	9	10	12	13	14	1	2	3	4	11

E02-53

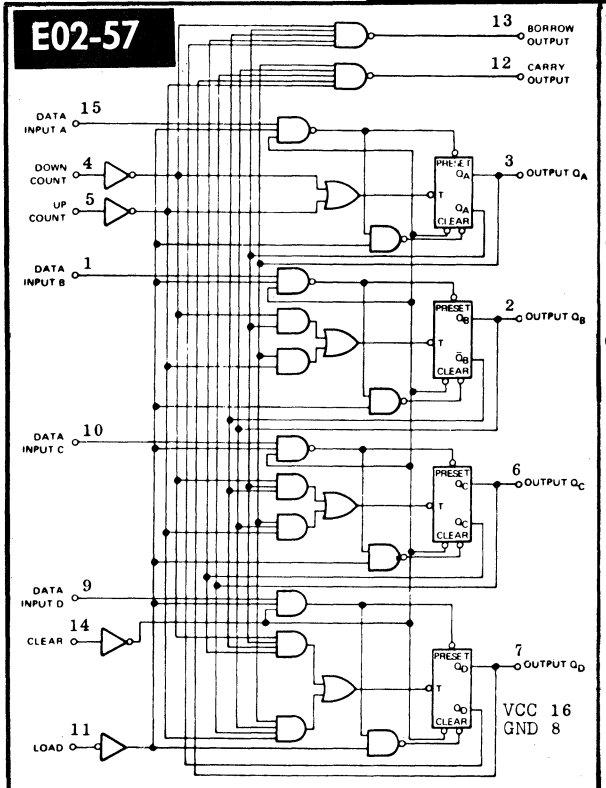


	C1	A	C2	B	C	D	R0 1	R0 2	VCC	GND
E02-53	14	12	1	9	8	11	2	3	5	10
E02-53a	14	13	8	9	10	12	1	2	4	11

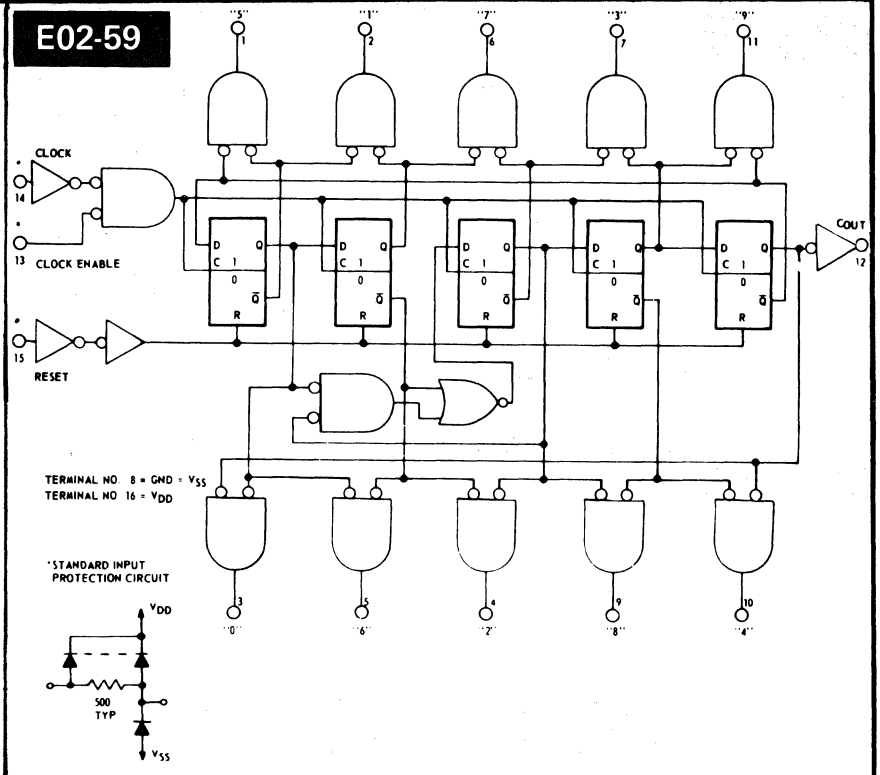
E02-54



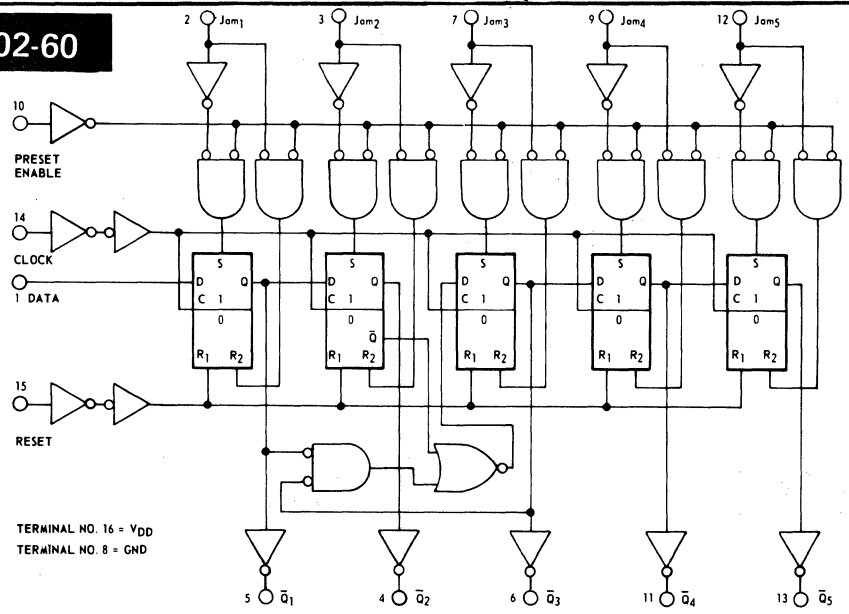
E02-57



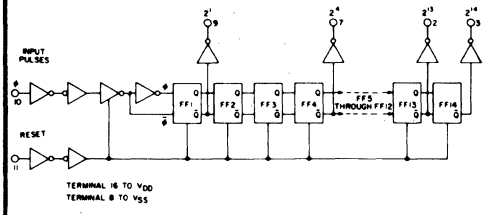
E02-59



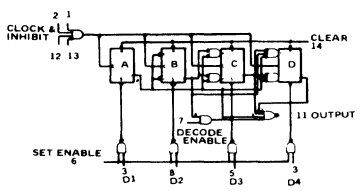
E02-60



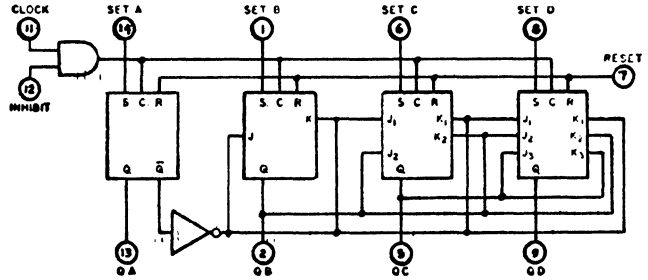
E02-61



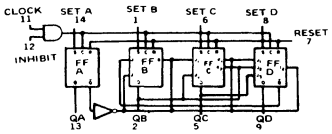
E02-62



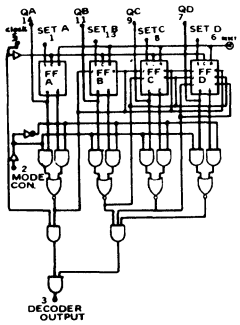
E02-63



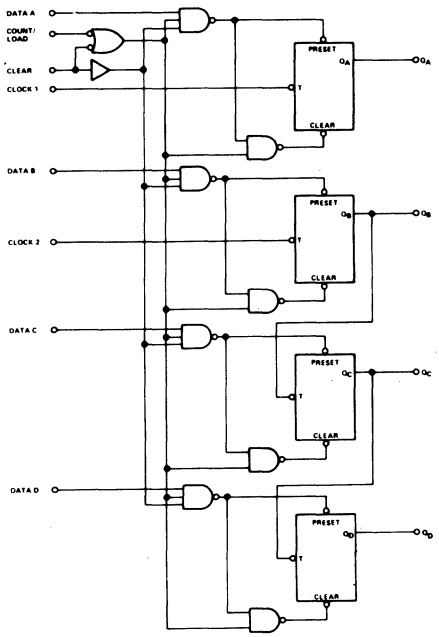
E02-64



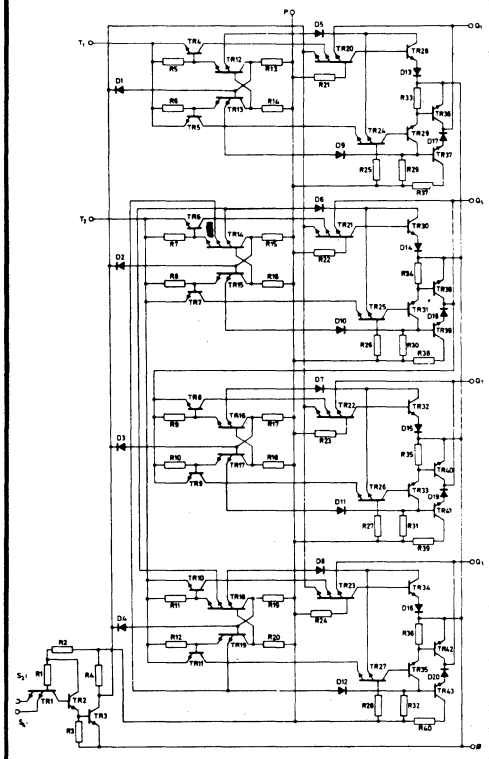
E02-65



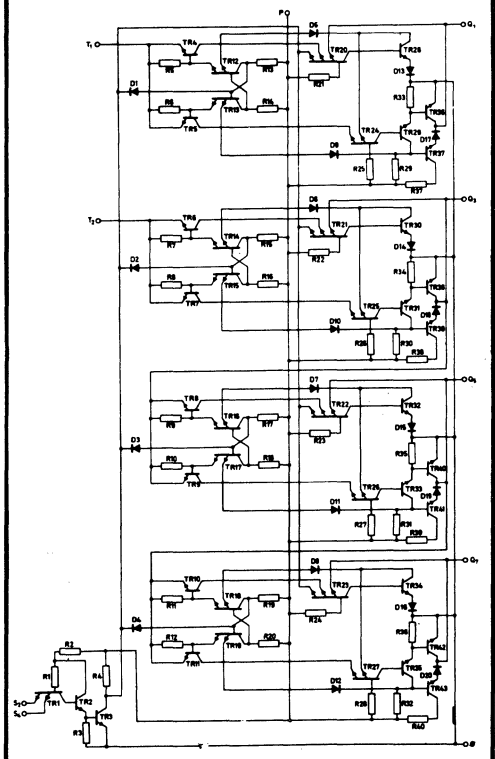
E02-66



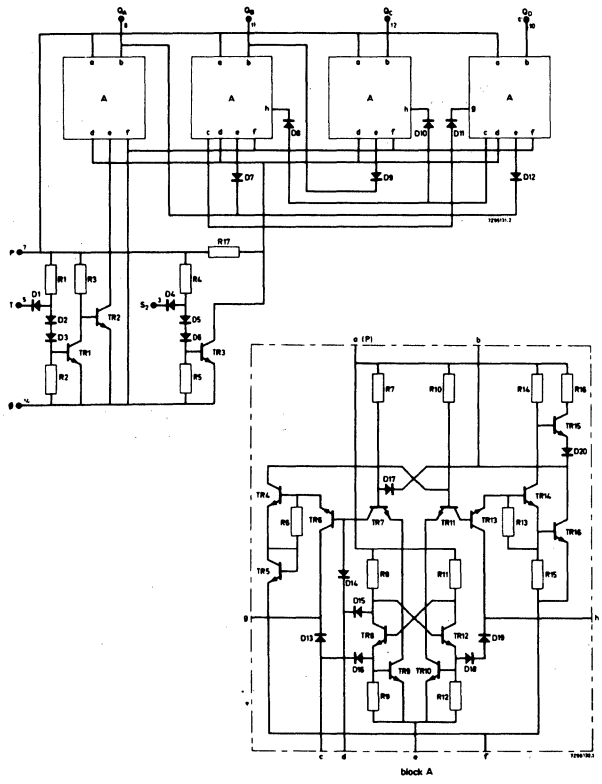
E02-67



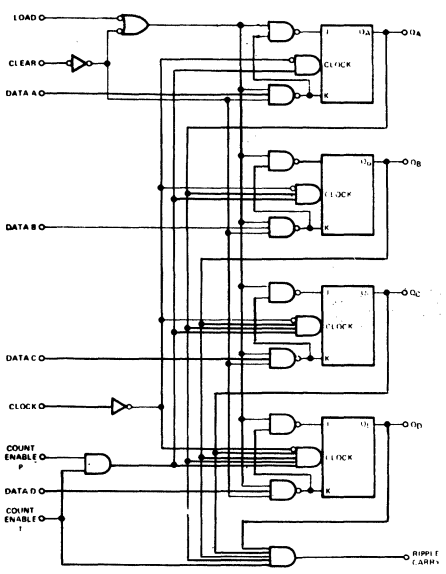
E02-68



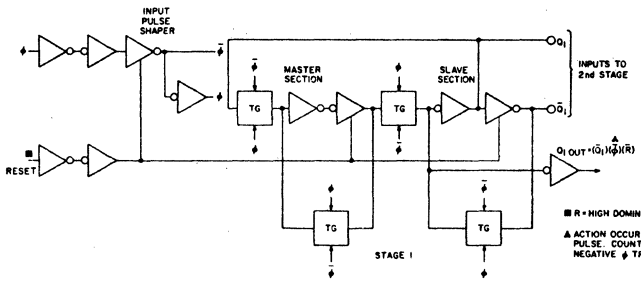
E 02-69

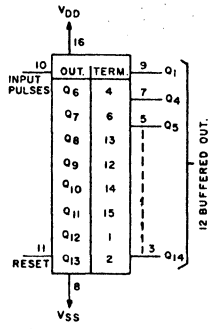


E02-71

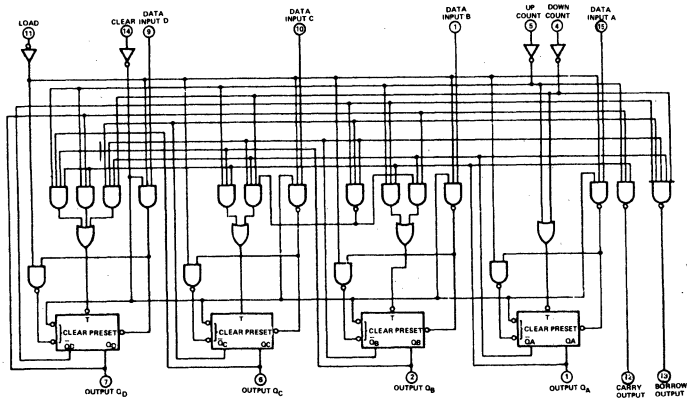


E02-72

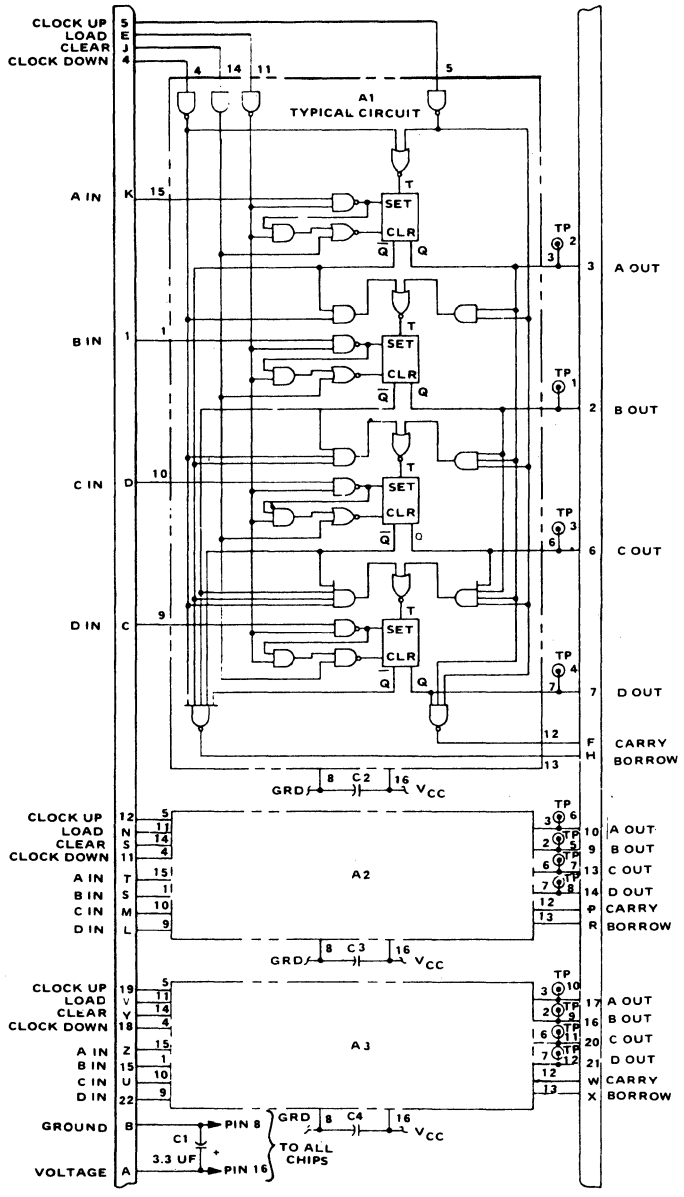




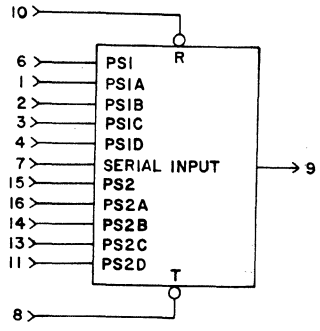
E02-73



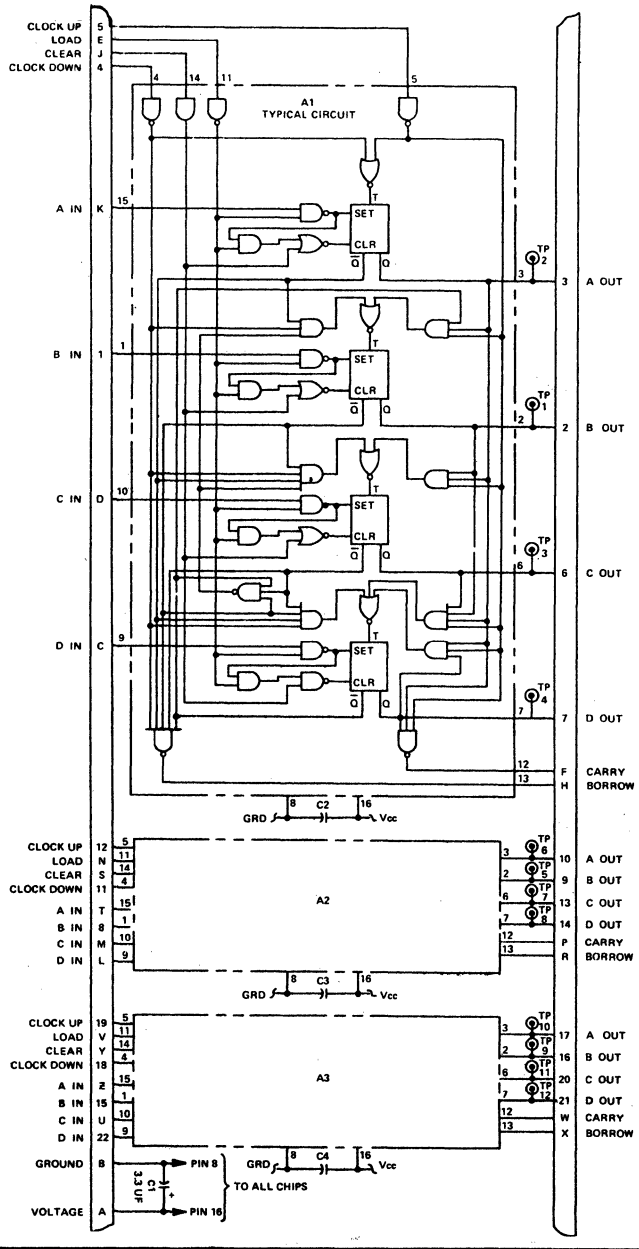
E02-74



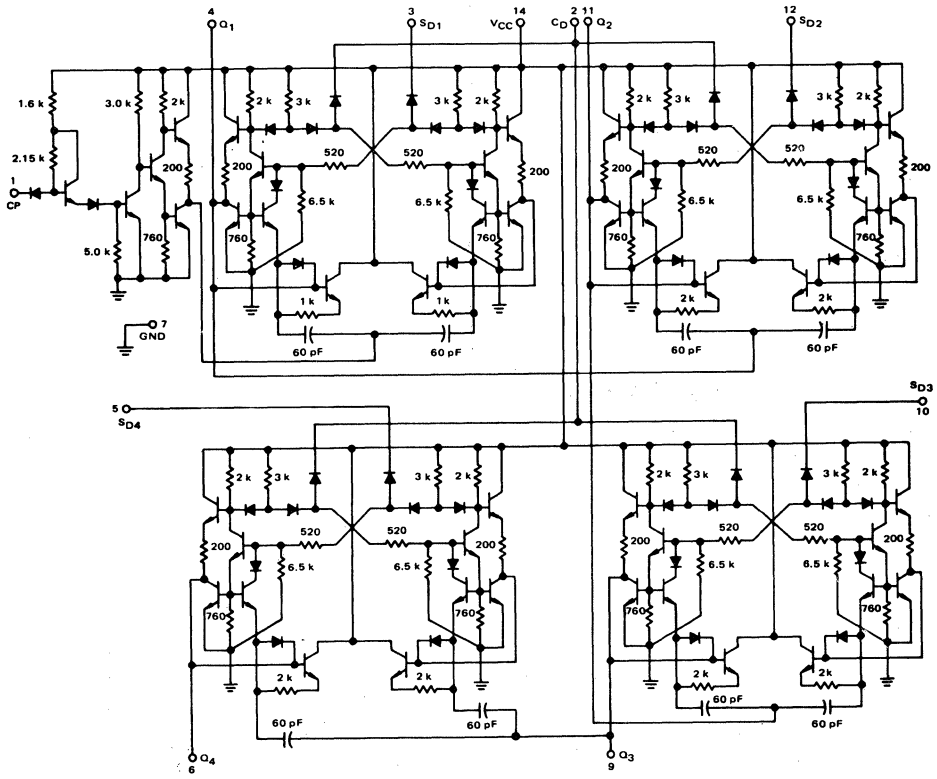
E02-77



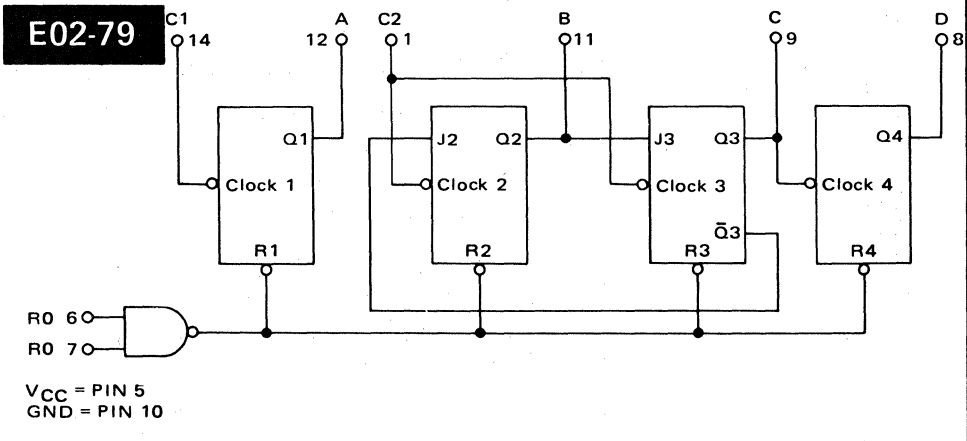
E02-76



E02-78

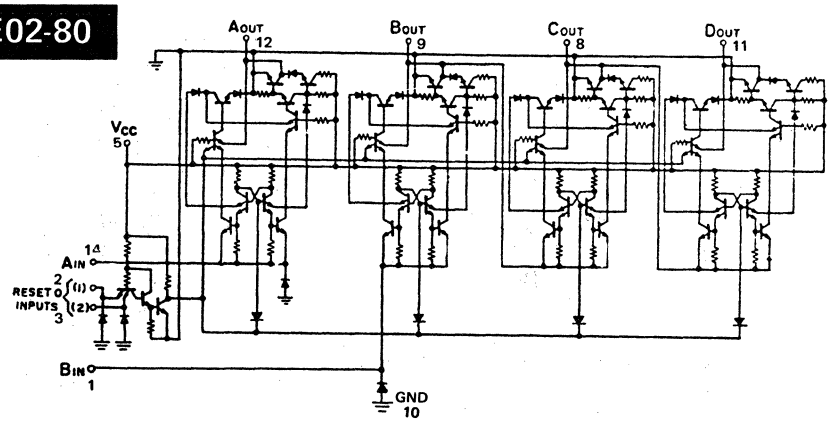


E02-79

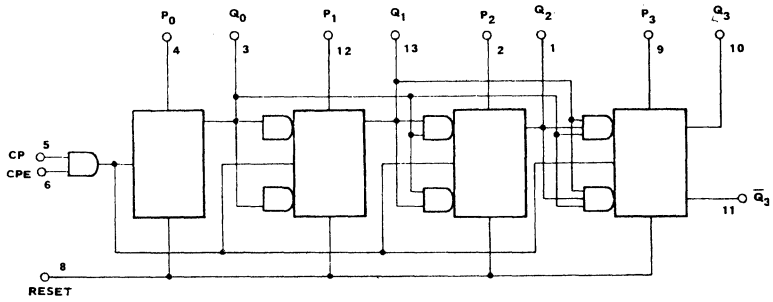


VCC = PIN 5
GND = PIN 10

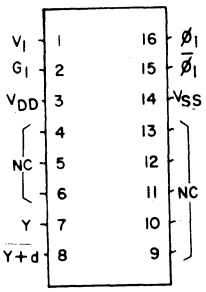
E02-80



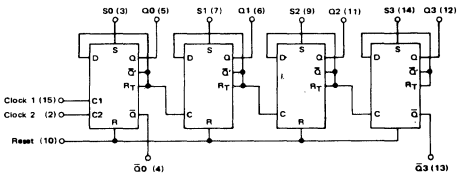
E02-83



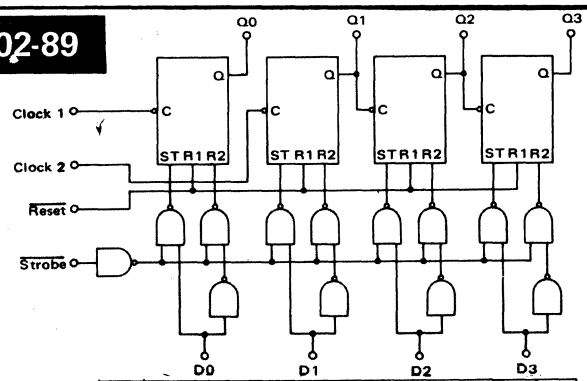
E02-85



E02-88

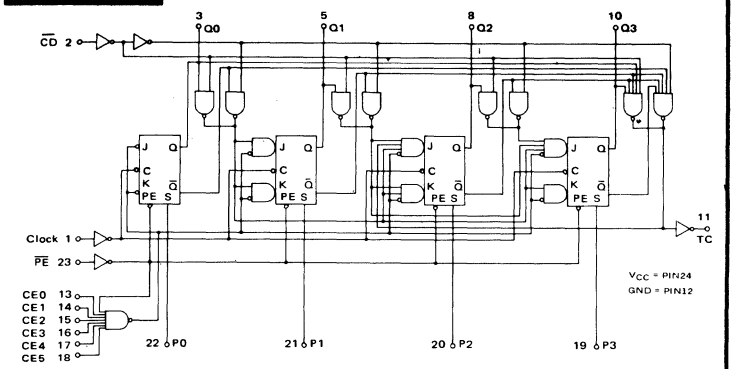


E02-89

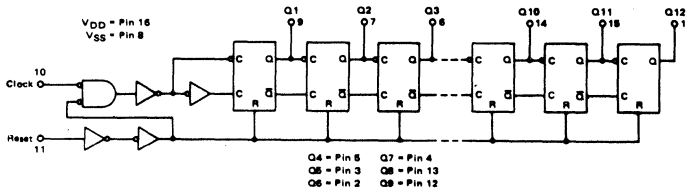


						D				Q					
	PKG	C1	C2	R̄	S̄	0	1	2	3	0	1	2	3	VCC	GND
E02-89	FP	12	10	3	5	8	14	7	1	9	13	6	2	4	11
	MP	8	6	13	1	4	10	3	11	5	9	2	12	14	7

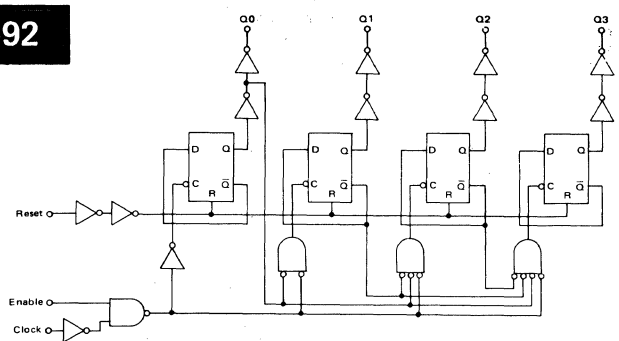
E02-90



E02-91

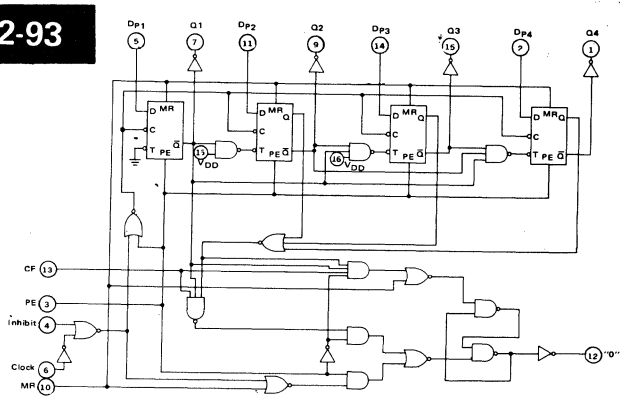


E02-92

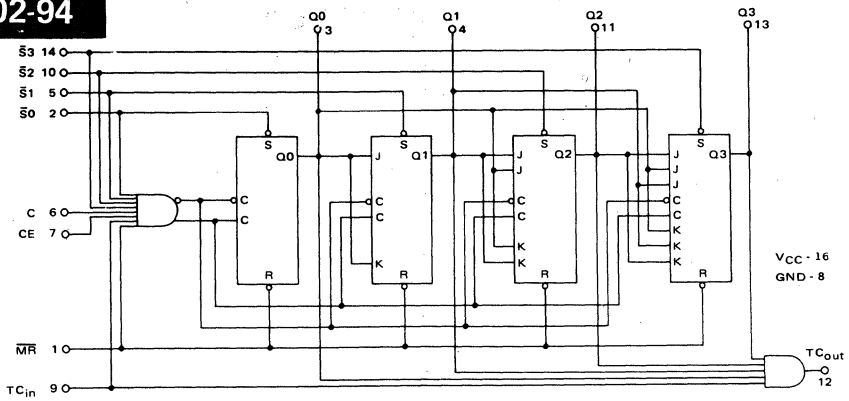


	CKT	C	EN	R	Q			
					0	1	2	3
E02-92	1	1	2	7	3	4	5	6
	2	9	10	15	11	12	13	14

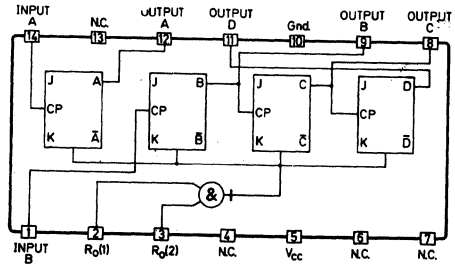
E02-93



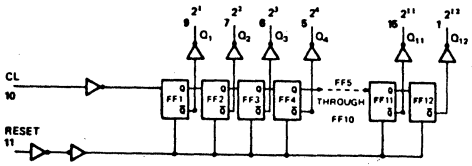
E02-94



E02-95

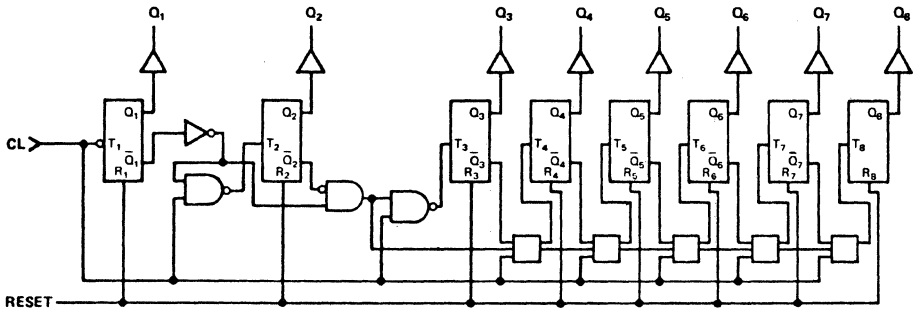


E02-96

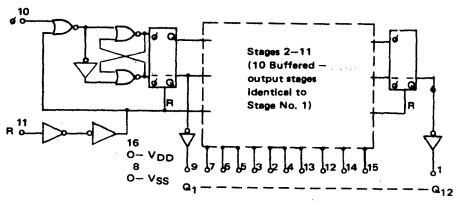


E02-97

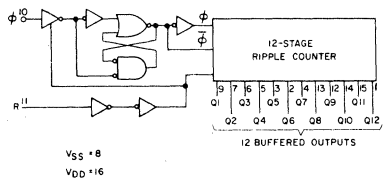
	PKG	CLOCK	RESET	Q 1	2	3	4	5	6	7	8	VSS	VDD
E0297	MO	1	2	12	11	9	6	5	4	3	13	7	14
	TO	1	3	11	10	9	7	6	5	4		12	2



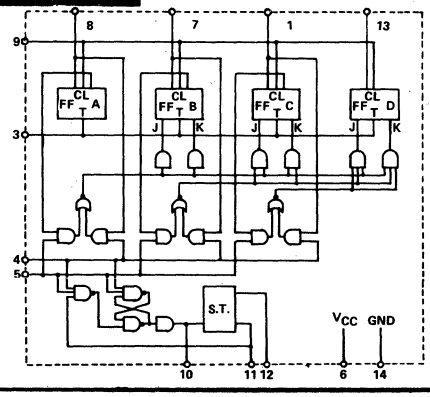
E02-98



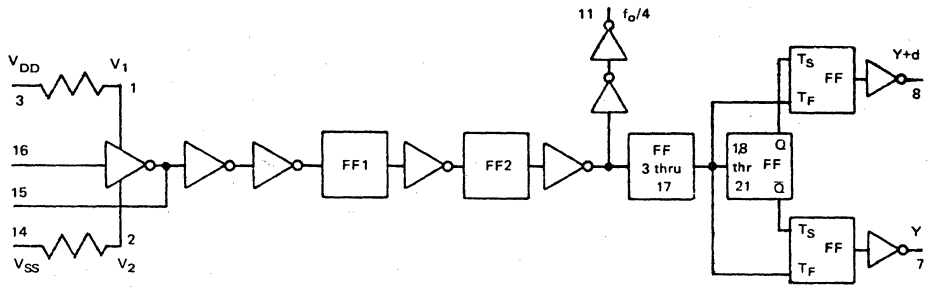
E02-99



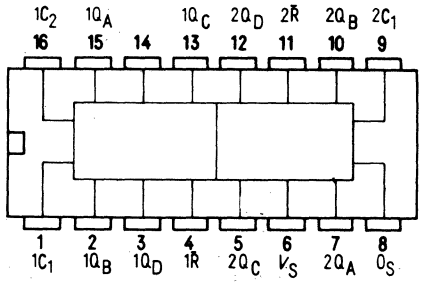
E02-100



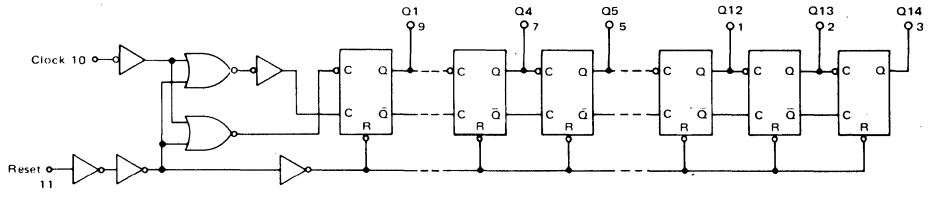
E02-101



E02-102

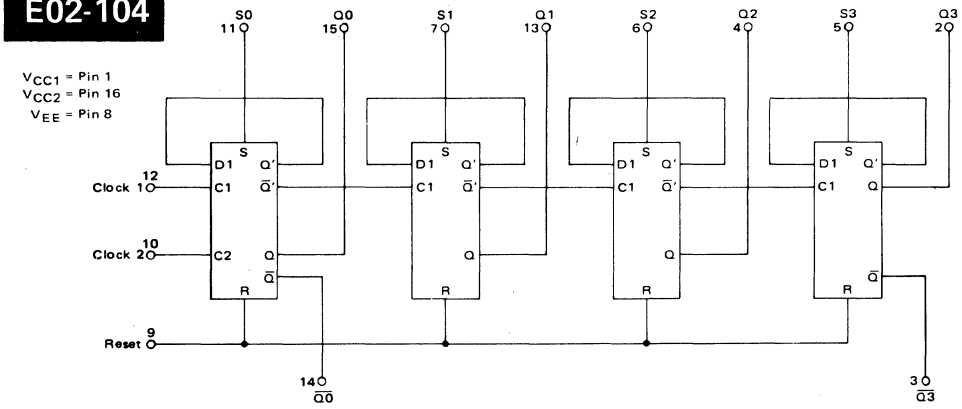


E02-103

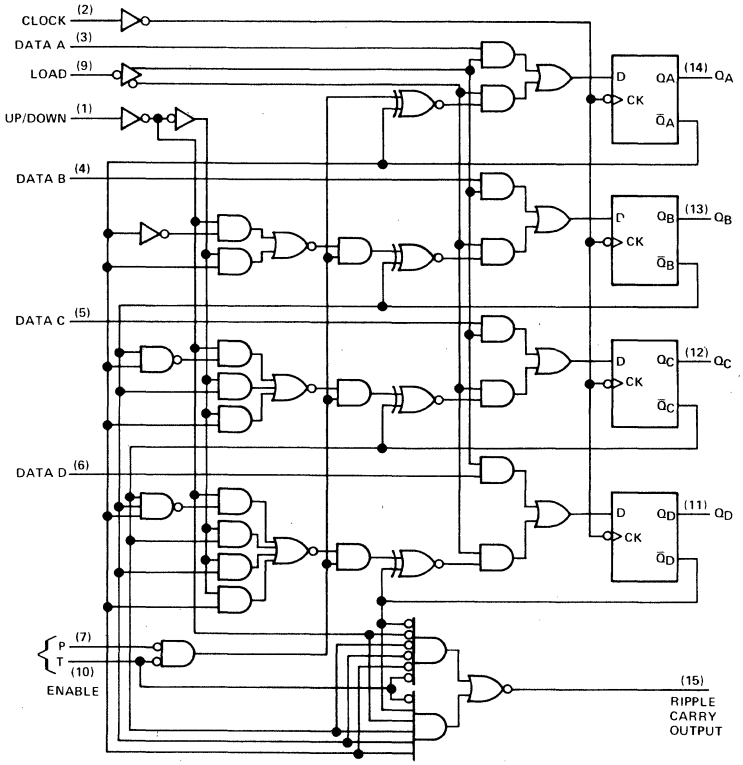


Q6 = Pin 4
Q7 = Pin 6
Q8 = Pin 13
Q9 = Pin 12
Q10 = Pin 14
Q11 = Pin 15
V_{DD} = Pin 16
V_{SS} = Pin 8

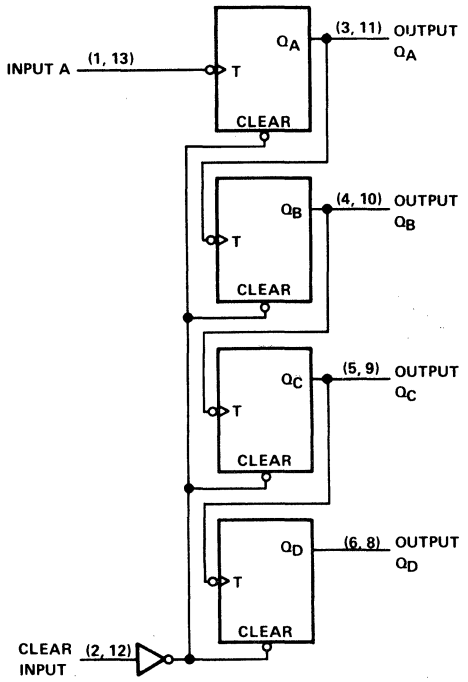
E02-104



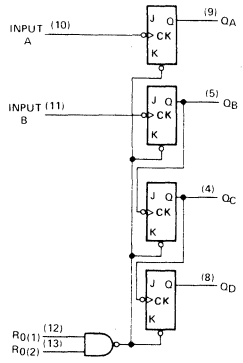
E02-106



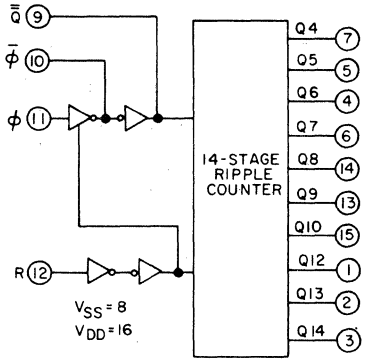
E02-107



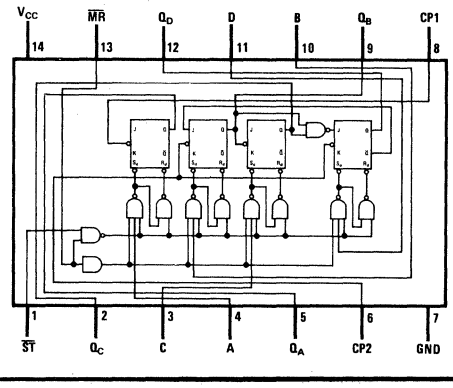
E02-108



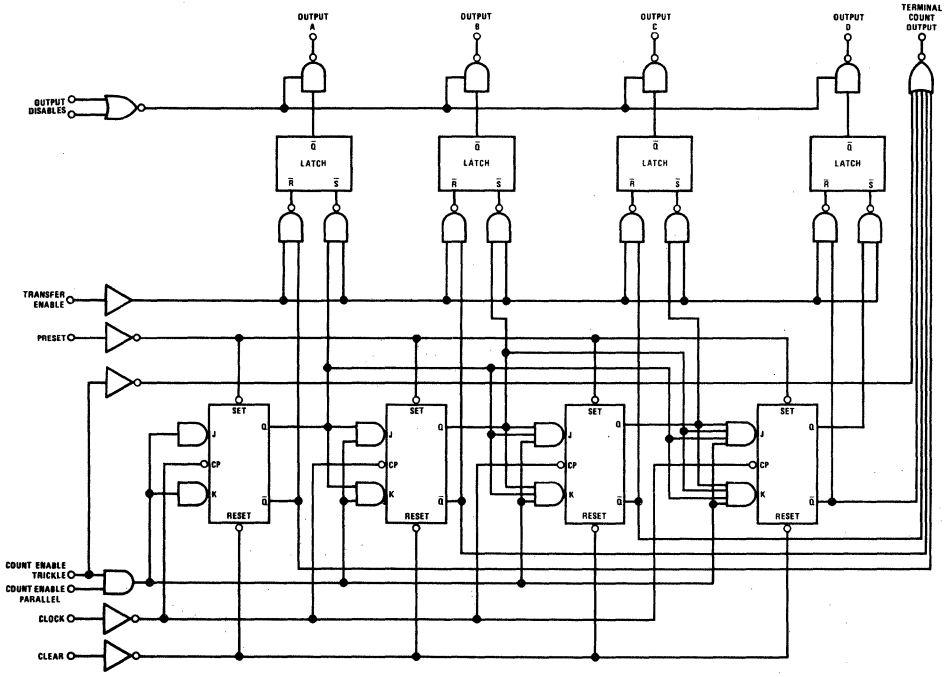
E02-109



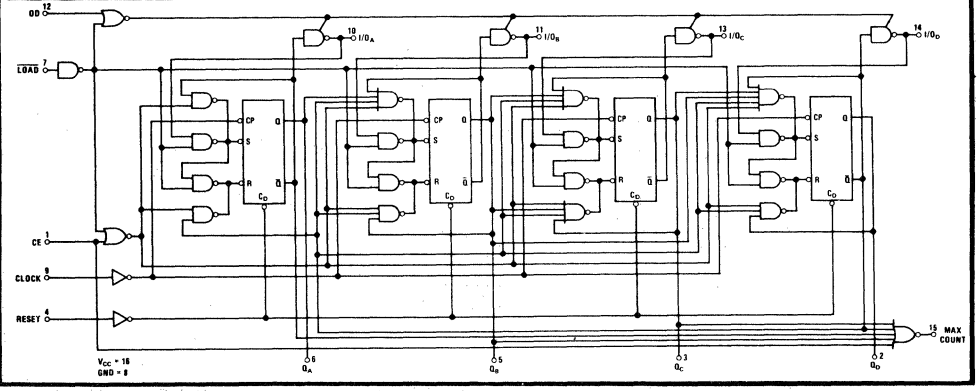
E02-110



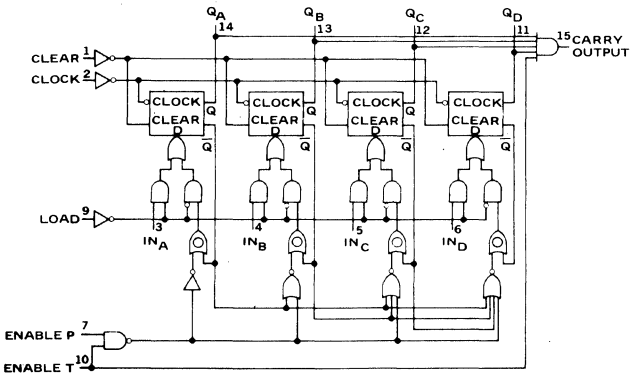
E02-111



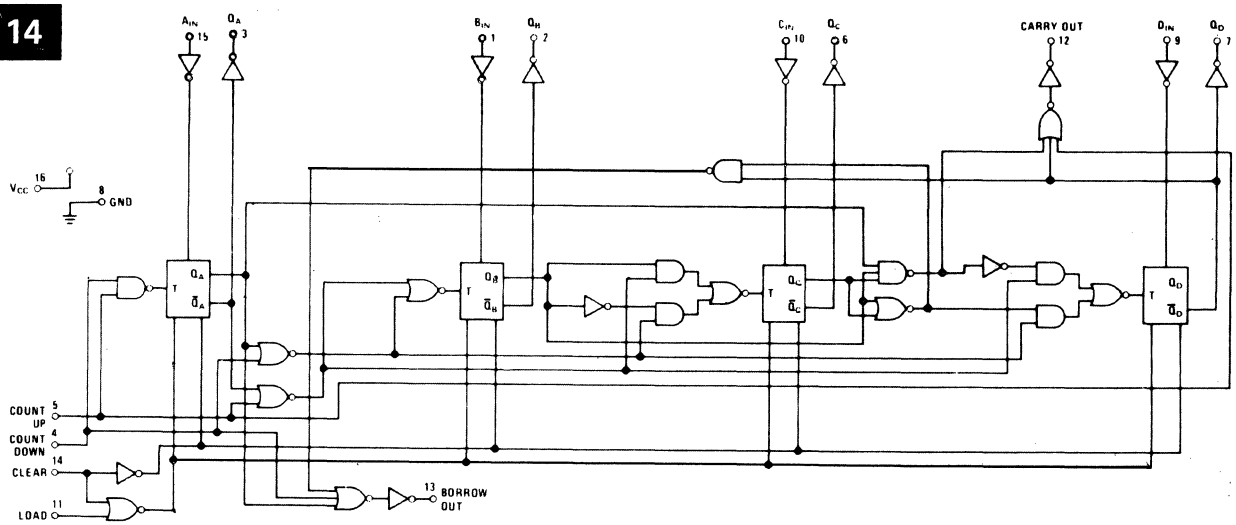
E02-112



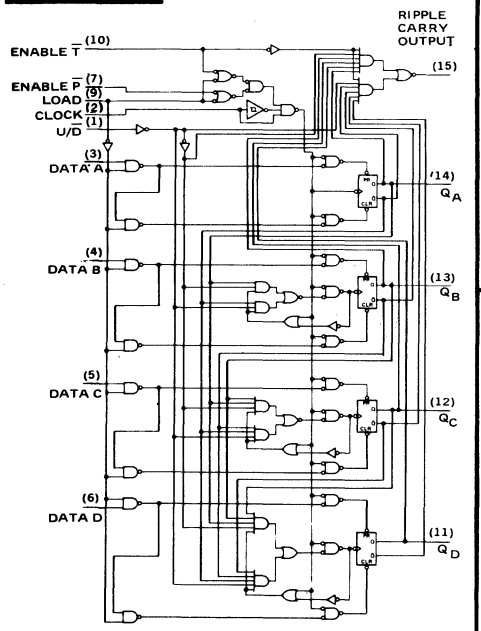
E02-113



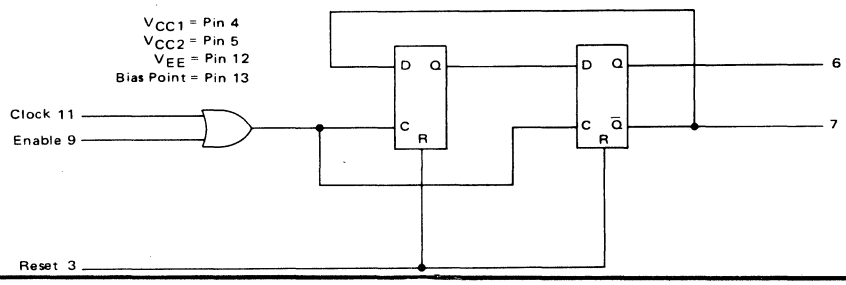
E02-114



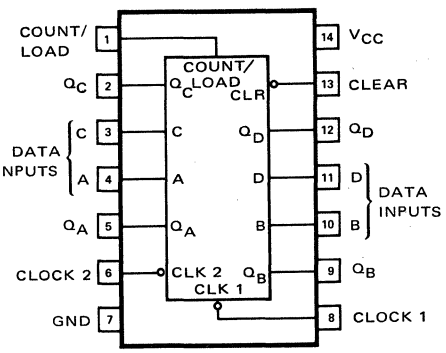
E02-115



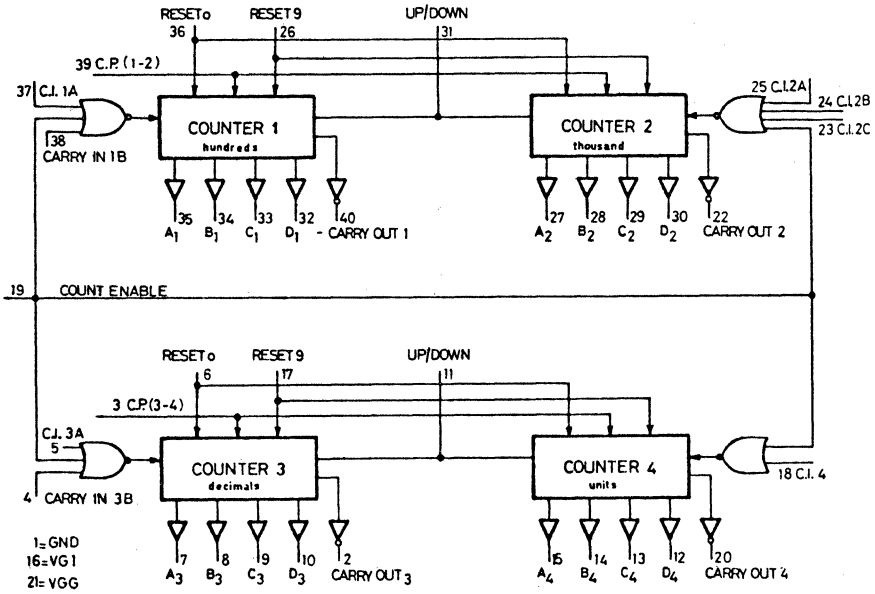
E02-116



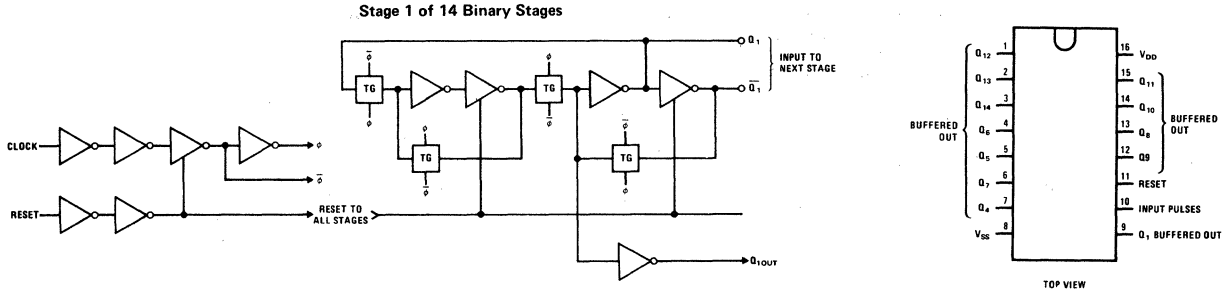
E02-117



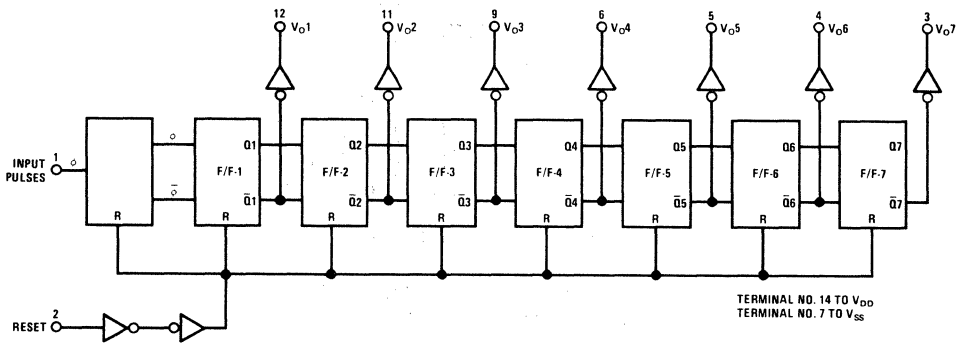
E02-118



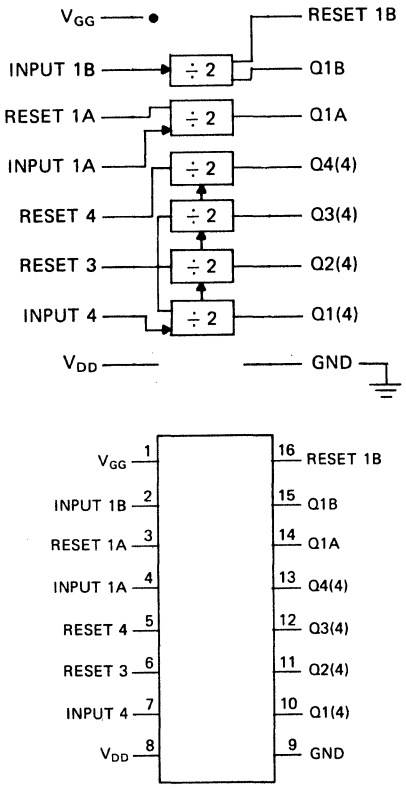
E02-119



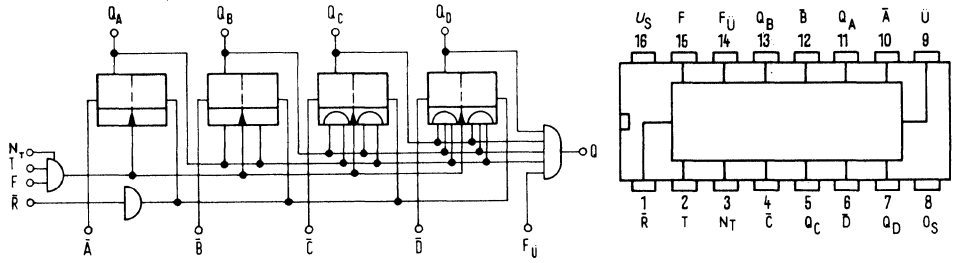
E02-120



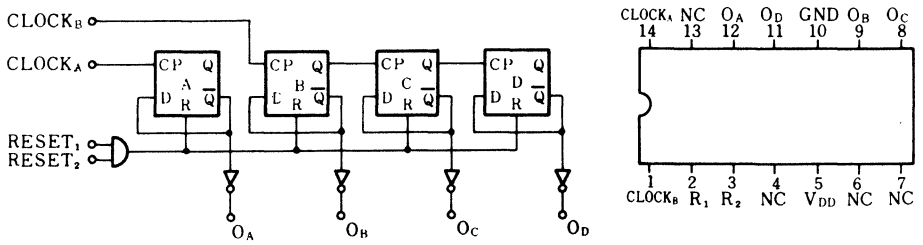
E02-121



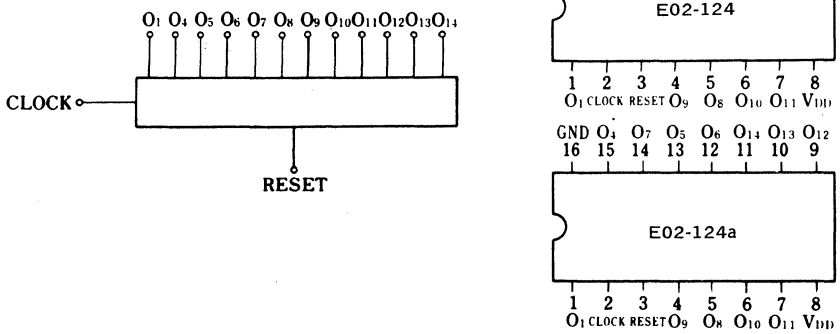
E02-122



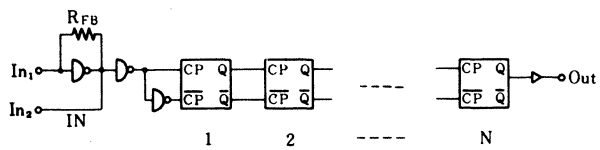
E02-123



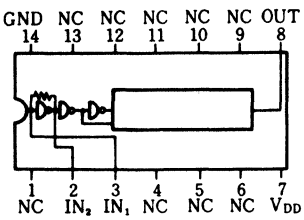
E02-124



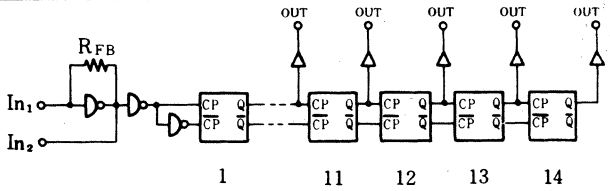
E02-125

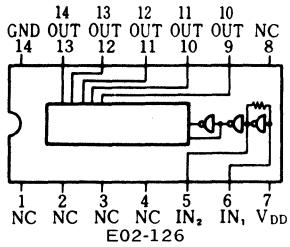


E02-125	N=10
E02-125a	N=11
E02-125b	N=12
E02-125c	N=13
E02-125d	N=14

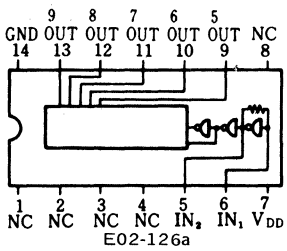


E02-126



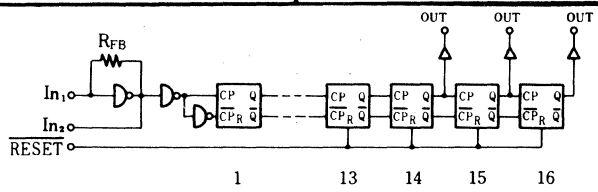


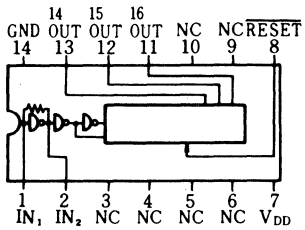
E02-126



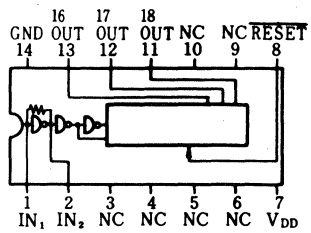
E02-126a

E02-127



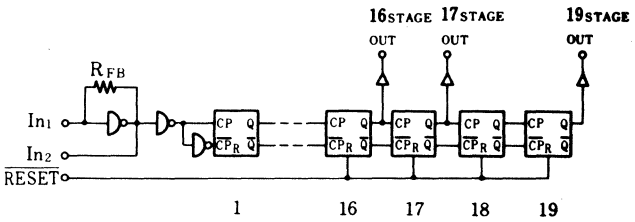


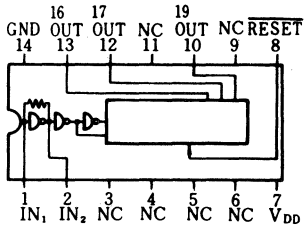
E02-127



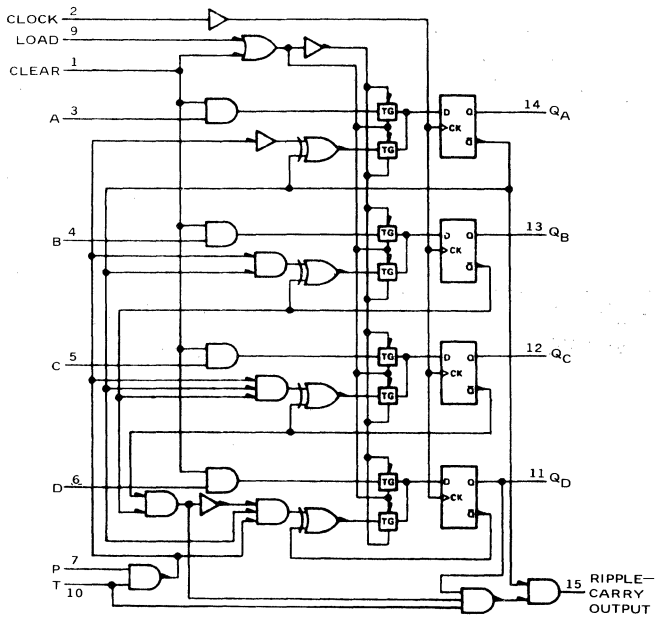
E02-127a

E02-128

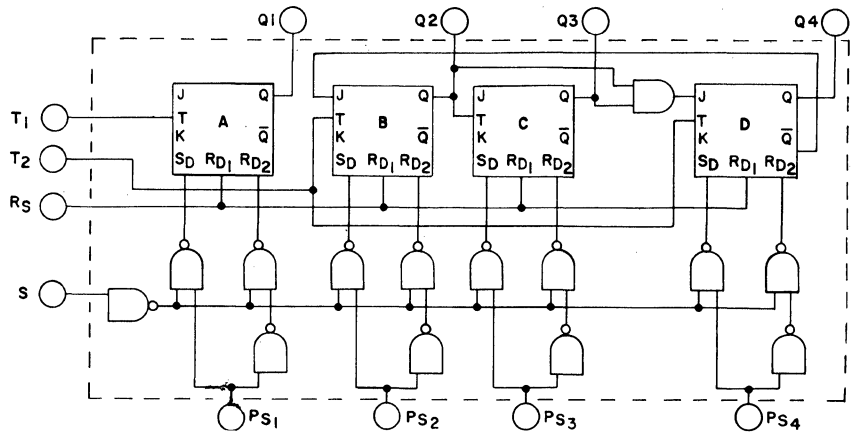




E02-129

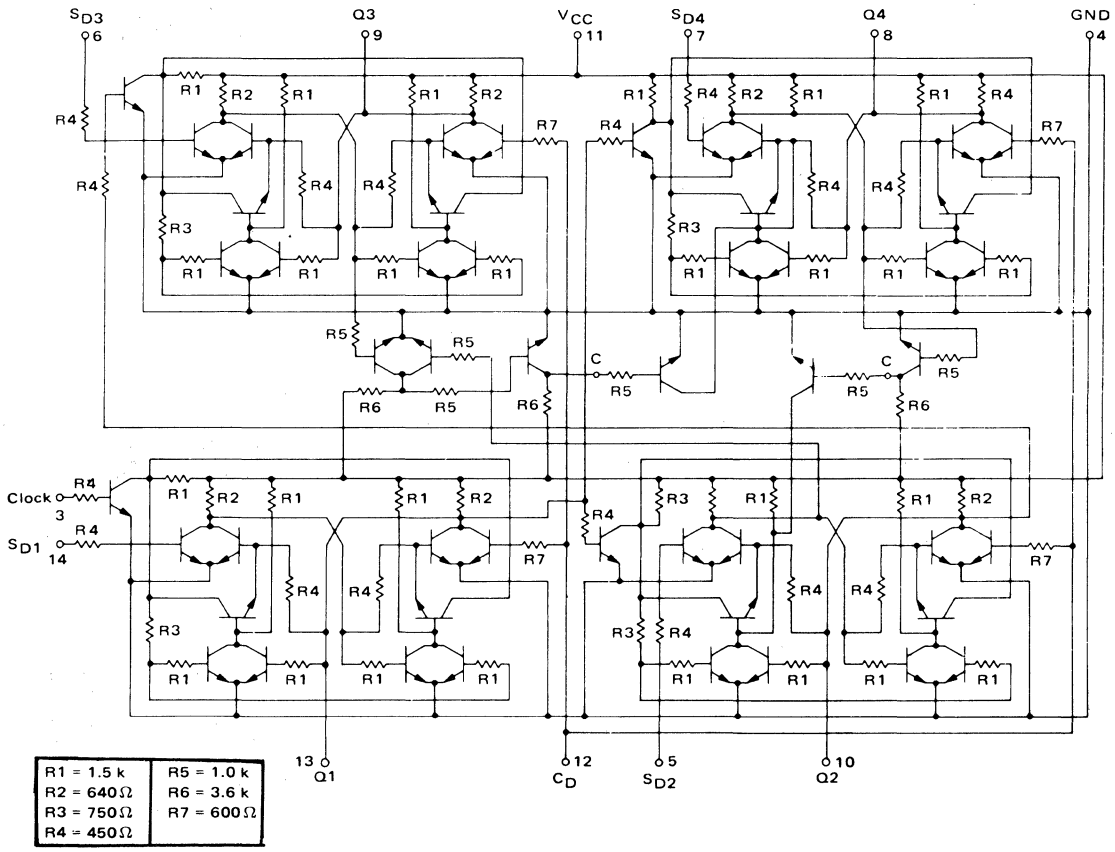


E03-17



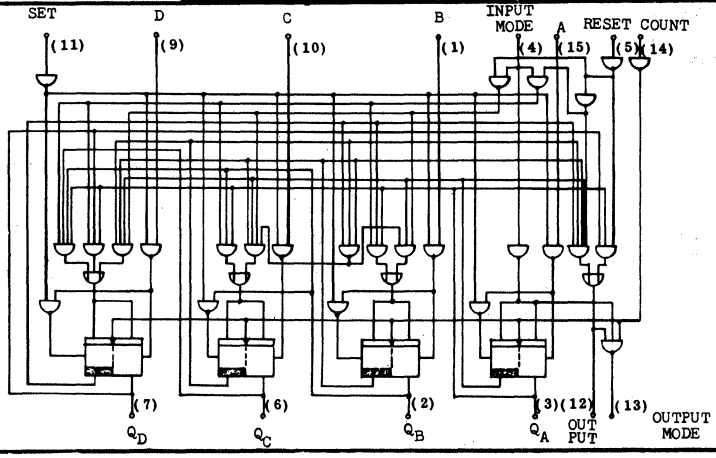
	T_1	T_2	R_S	S	Q_1	Q_2	Q_3	Q_4	PS_1	PS_2	PS_3	PS_4	V_{CC}	COM
E03-17	8	6	13	1	5	9	2	12	4	10	3	11	14	7
E03-17A	12	10	3	5	9	13	6	2	8	14	7	1	4	11

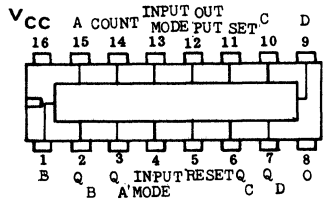
E03-18



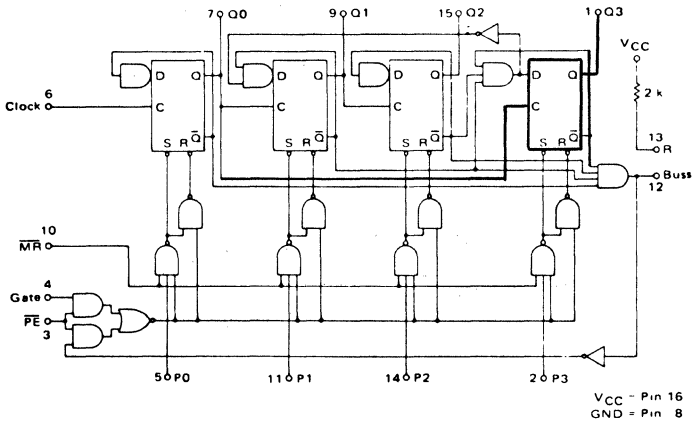
R1 = 1.5 k	R5 = 1.0 k
R2 = 640Ω	R6 = 3.6 k
R3 = 750Ω	R7 = 600Ω
R4 = 450Ω	

E03-20



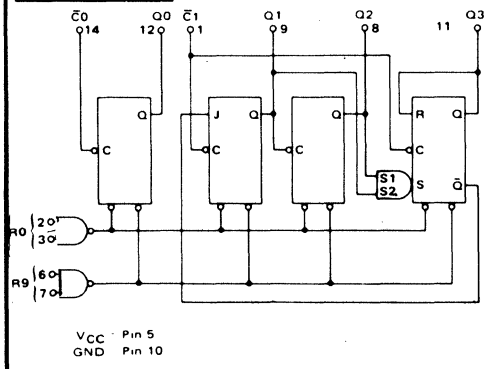


E03-22

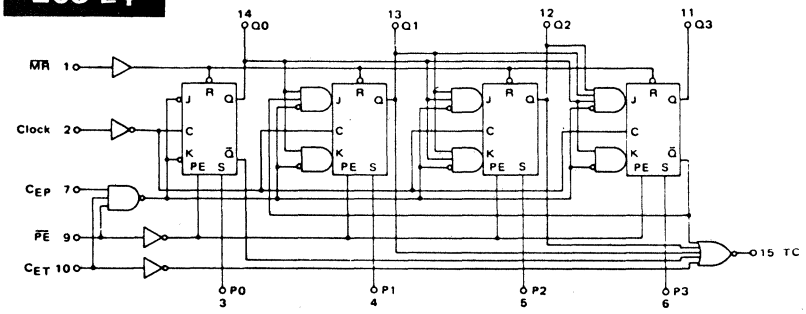


COUNT	OUTPUT			
	Q3	Q2	Q1	Q0
9	1	0	0	1
8	1	0	0	0
7	0	1	1	1
6	0	1	1	0
5	0	1	0	1
4	0	1	0	0
3	0	0	1	1
2	0	0	1	0
1	0	0	0	1
0	0	0	0	0

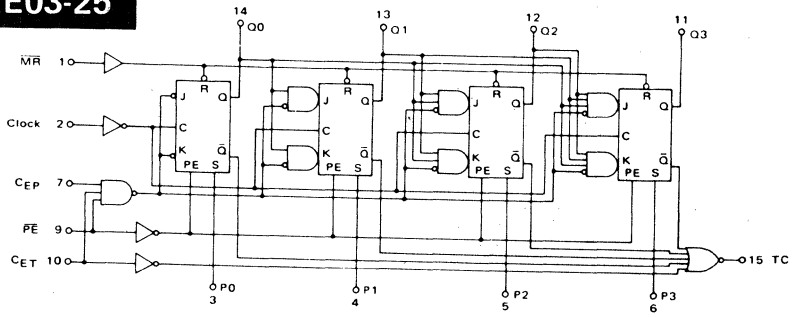
E03-23



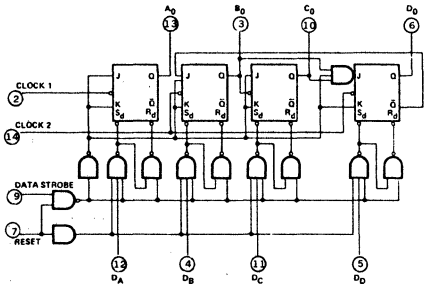
E03-24



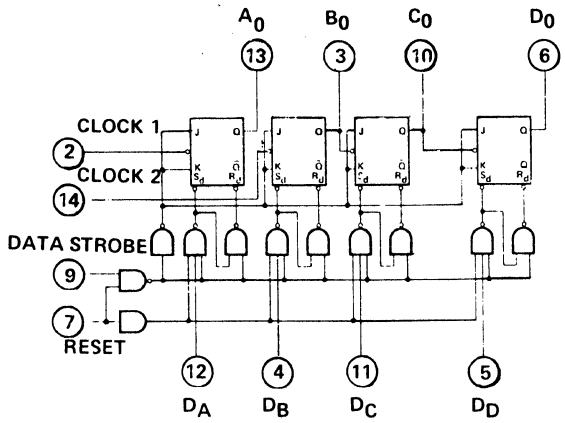
E03-25



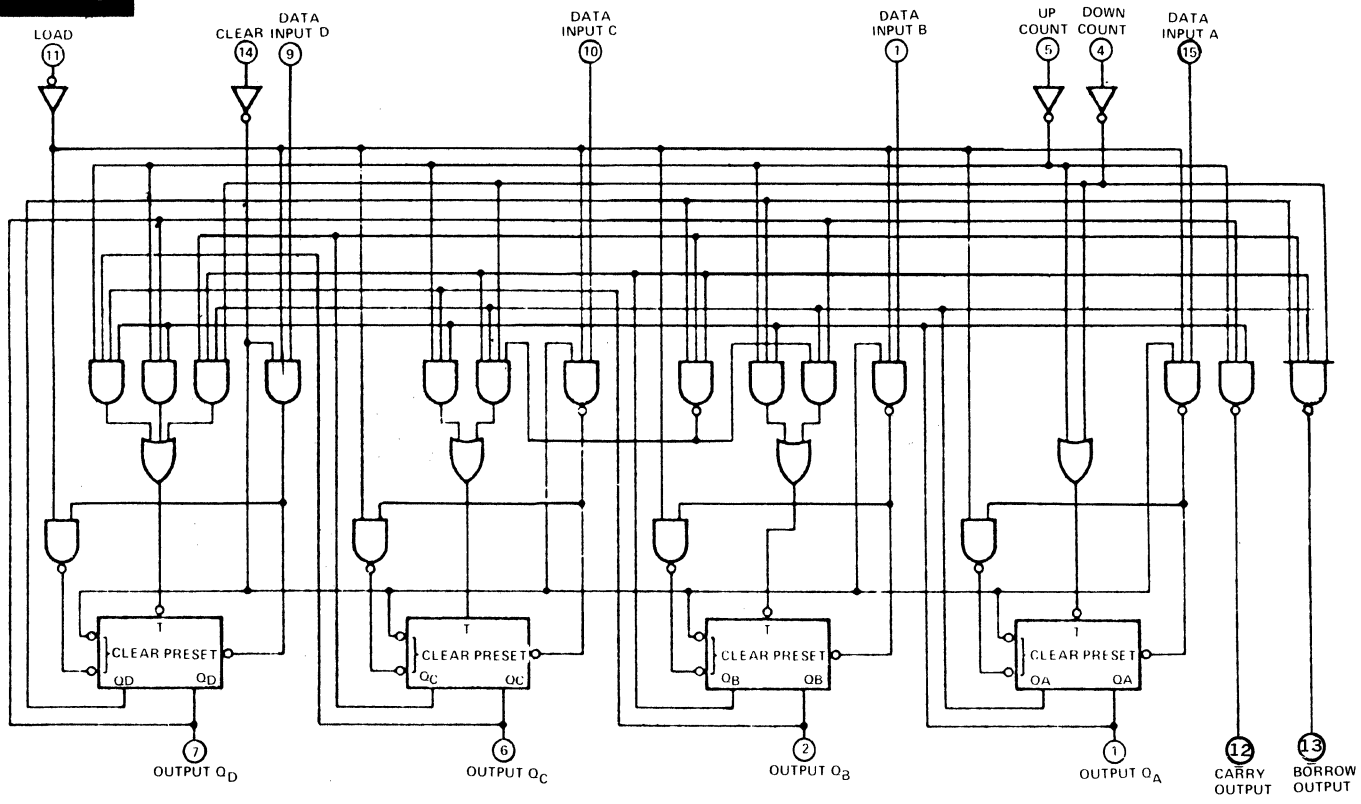
E03-26



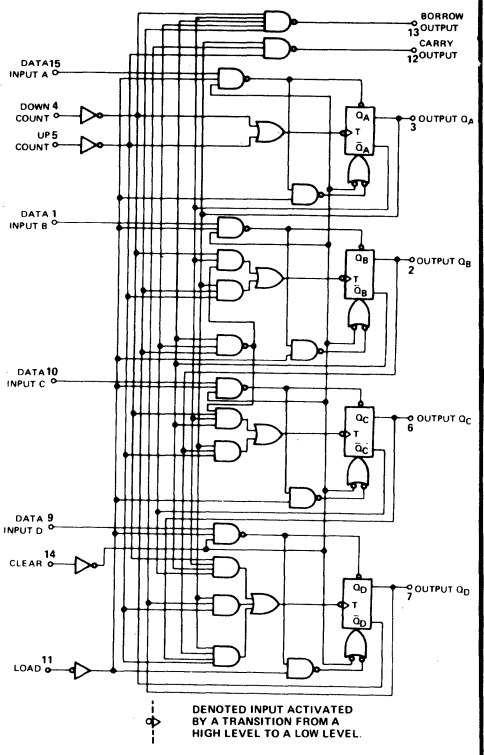
E03-27


A0
B0
C0
D0
13
3
10
6
CLOCK 1
2
CLOCK 2
14
DATA STROBE
9
7
RESET
12
4
11
5
DA
DB
DC
DD

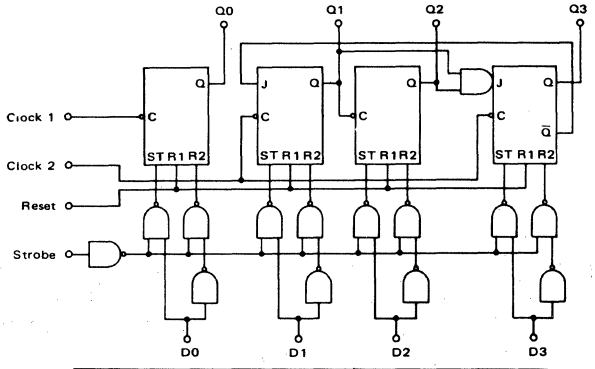
E03-28


LOAD
11
CLEAR
14
DATA INPUT D
9
DATA INPUT C
10
DATA INPUT B
1
UP COUNT
5
DOWN COUNT
4
DATA INPUT A
15
T
CLEAR PRESET
QD
QD
QC
QC
QB
QB
QA
QA
7
OUTPUT QD
6
OUTPUT QC
2
OUTPUT QB
1
OUTPUT QA
12
CARRY OUTPUT
13
BORROW OUTPUT

E03-29



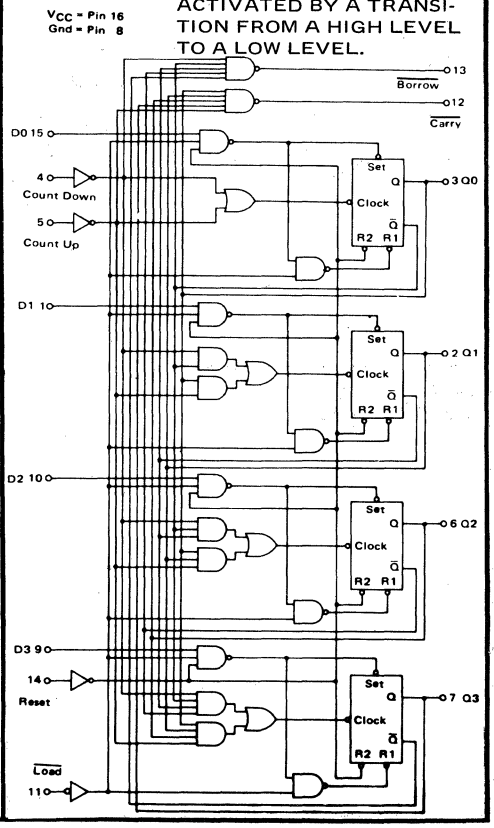
E03-31



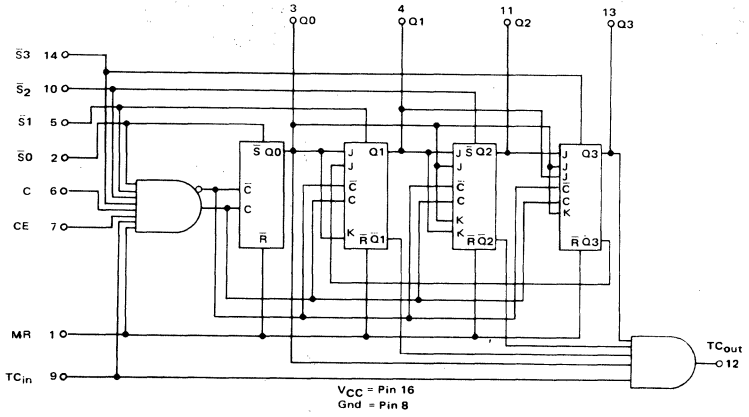
	PKG	C1	C2	R	S	D 0	D 1	D 2	D 3	Q 0	Q 1	Q 2	Q 3	VCC	GND
E03-31	FP	12	10	3	5	8	14	7	1	9	13	6	2	4	11
	M	8	6	13	1	4	10	3	11	5	9	2	12	14	7

E03-32

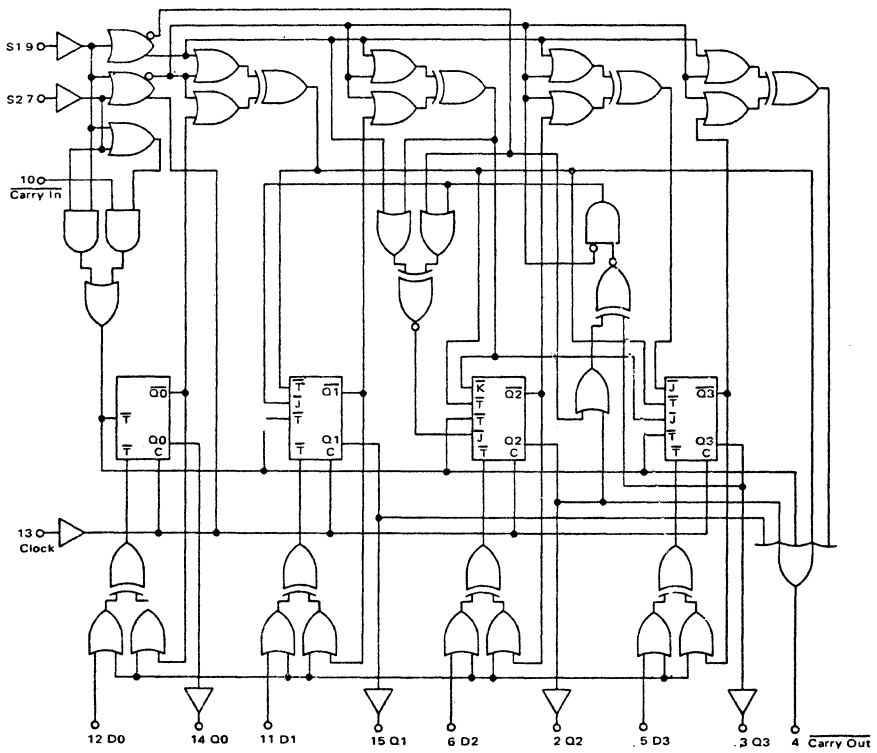
E03-32a — ▷ T AT CLOCK INDICATES DYNAMIC INPUT ACTIVATED BY A TRANSITION FROM A HIGH LEVEL TO A LOW LEVEL.



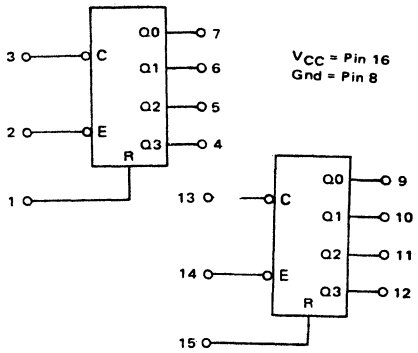
E03-33



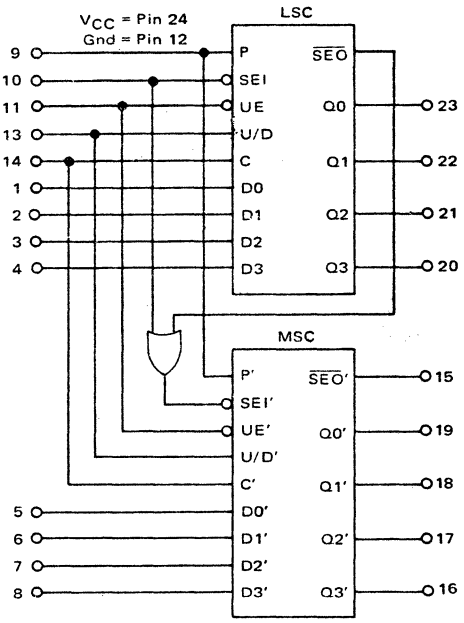
E03-35



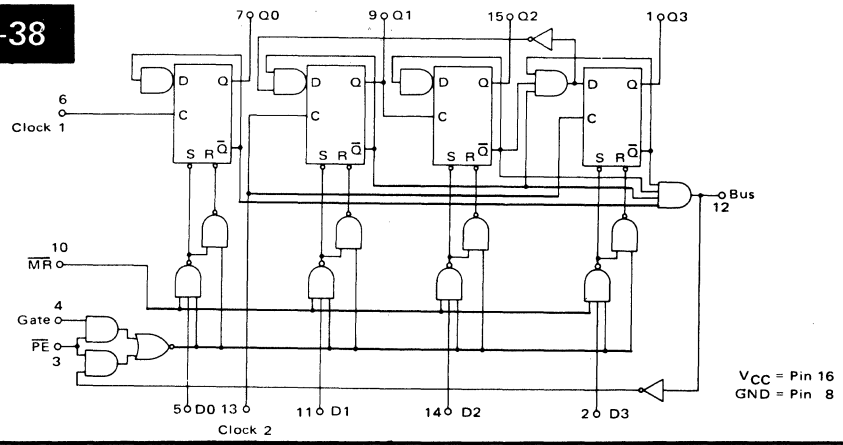
E03-36



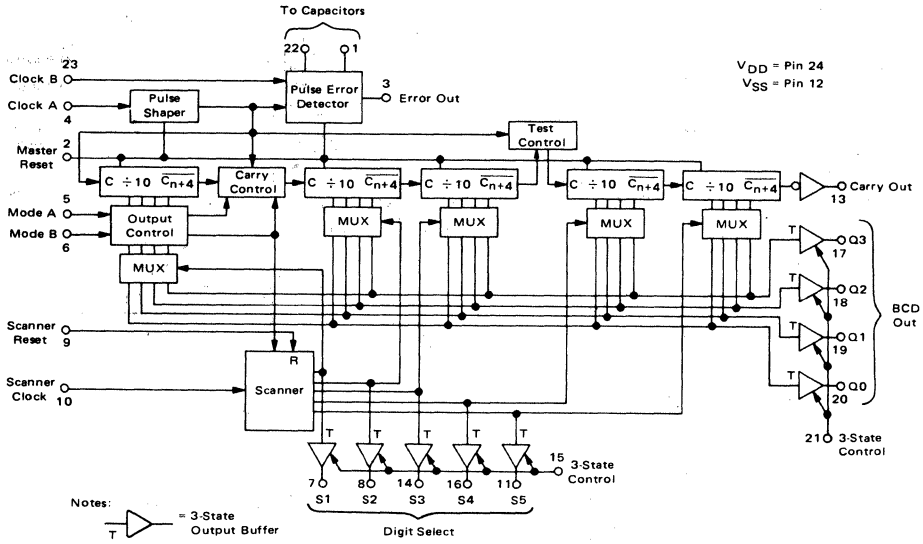
E03-37



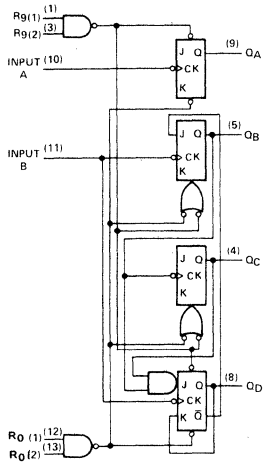
E03-38



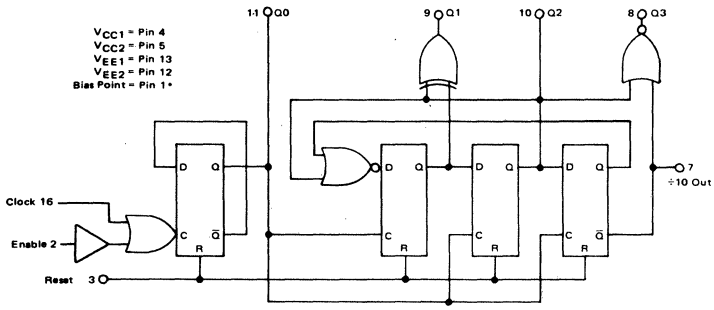
E03-39



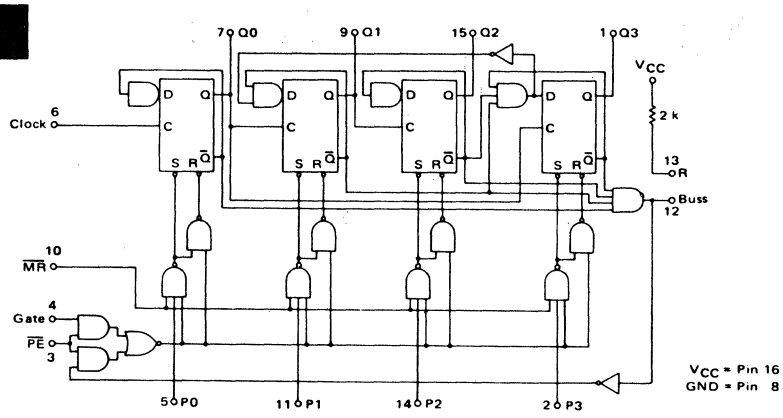
E03-40



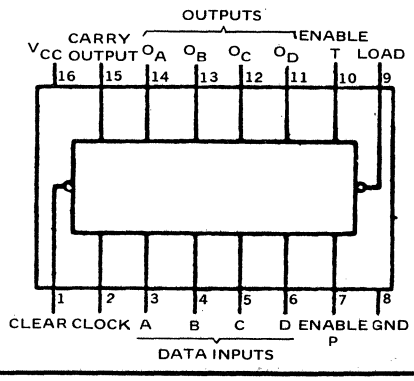
E03-41



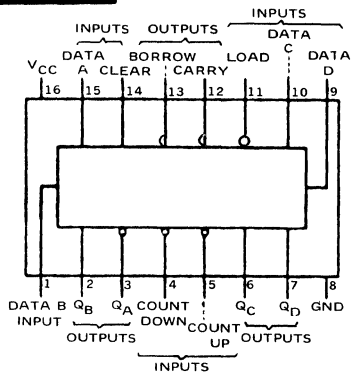
E03-42



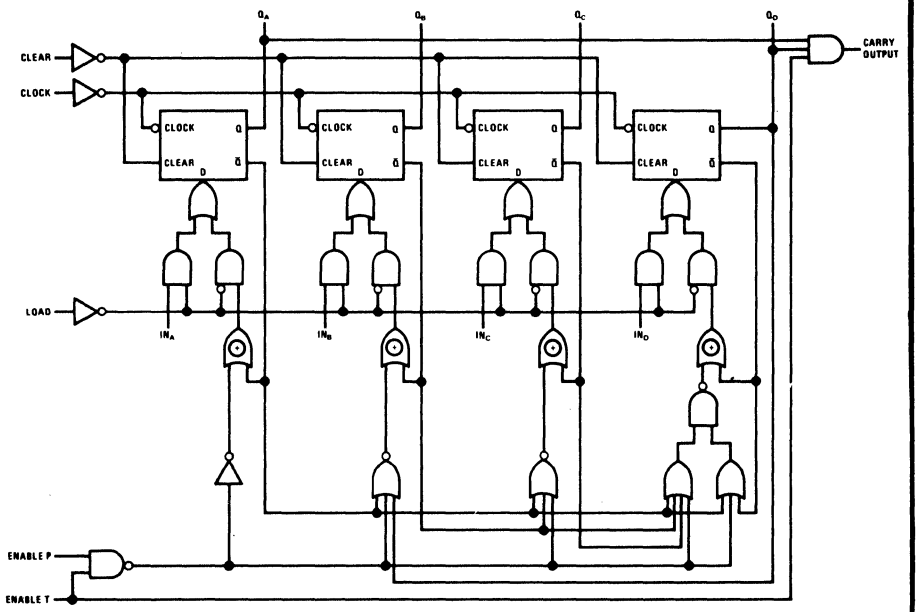
E03-43



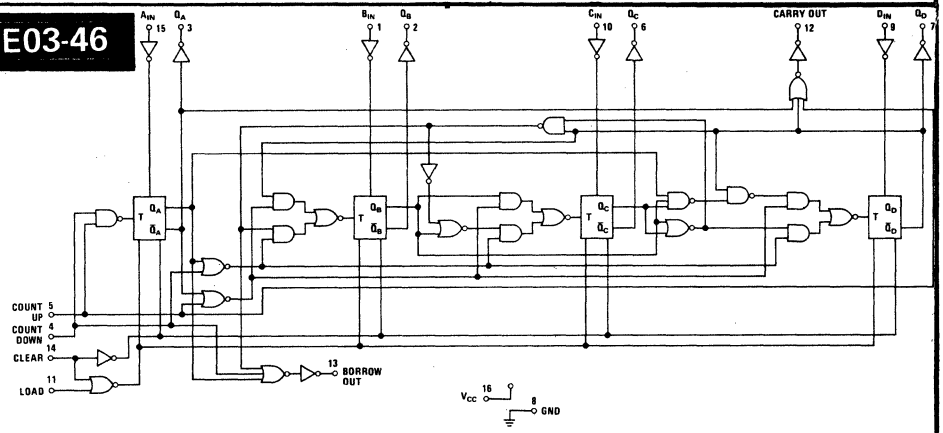
E03-44



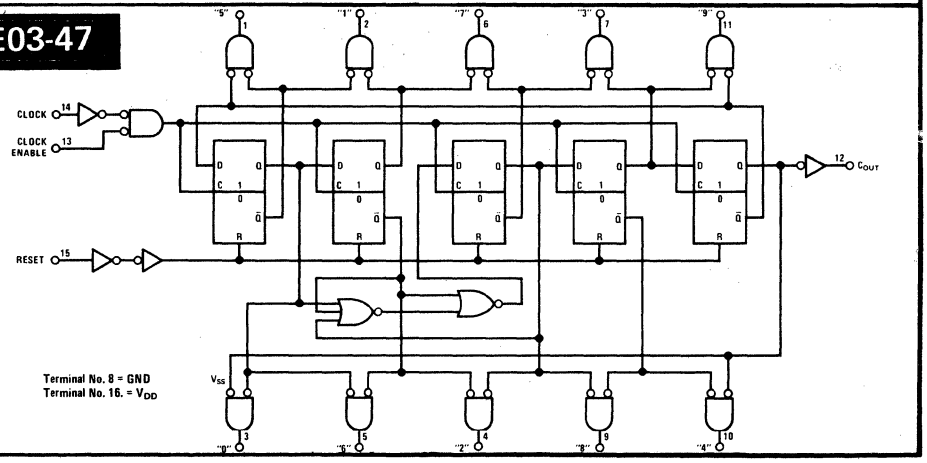
E03-45



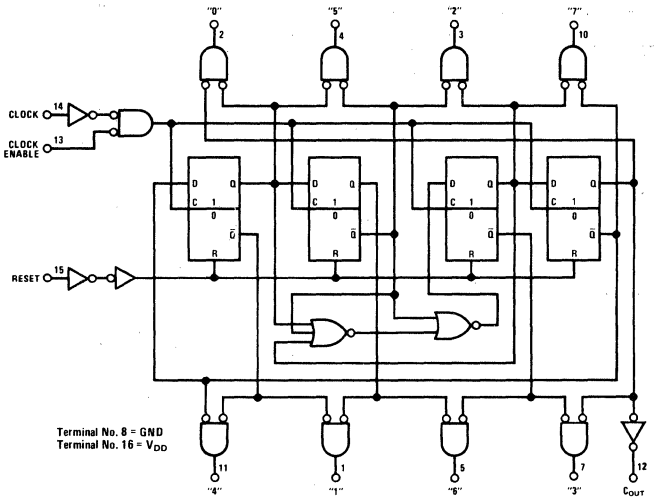
E03-46



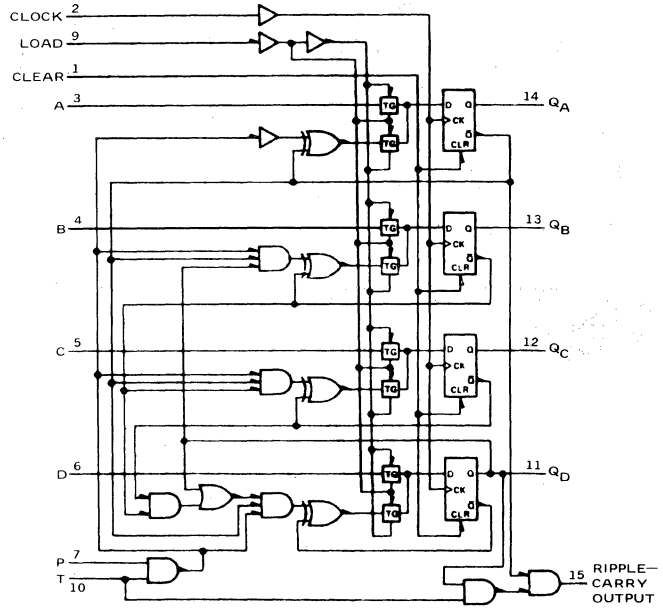
E03-47



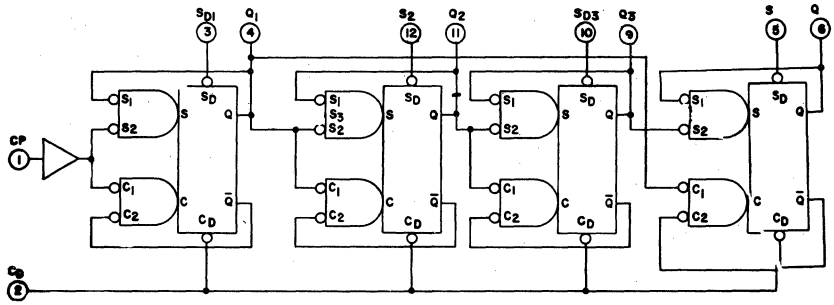
E03-48



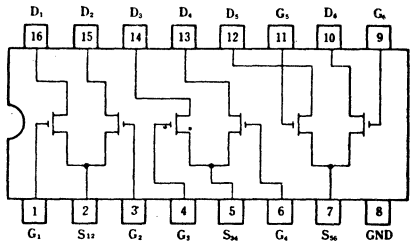
E03-49



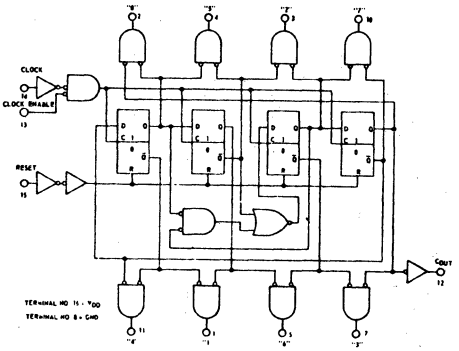
E05-3



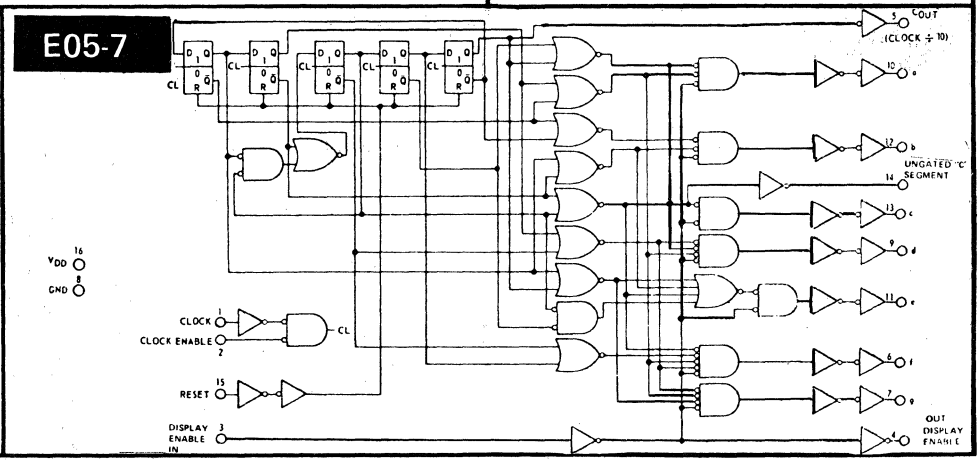
E05-4



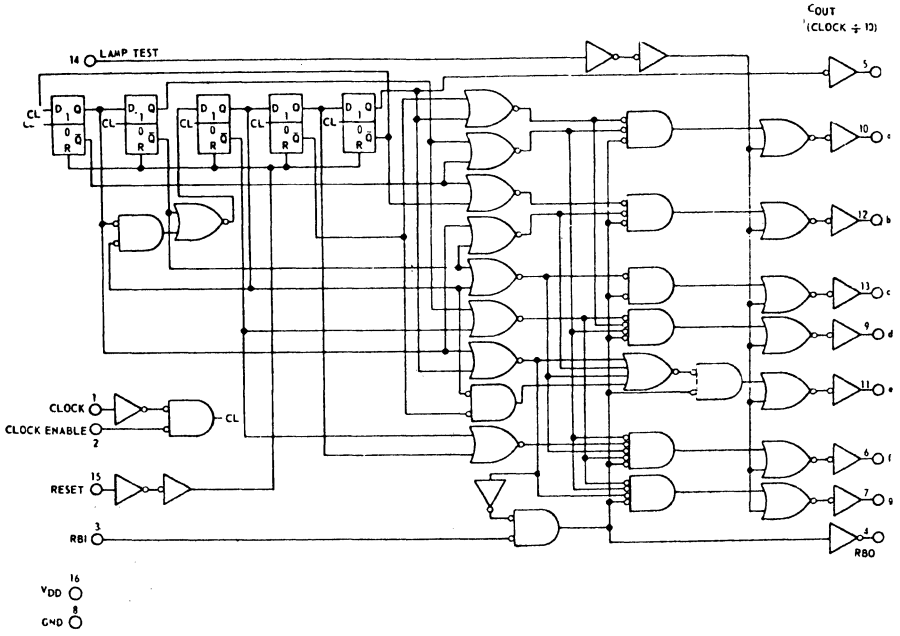
E05-6



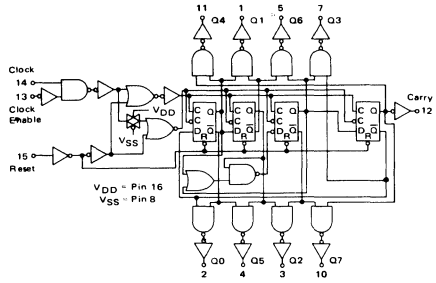
E05-7



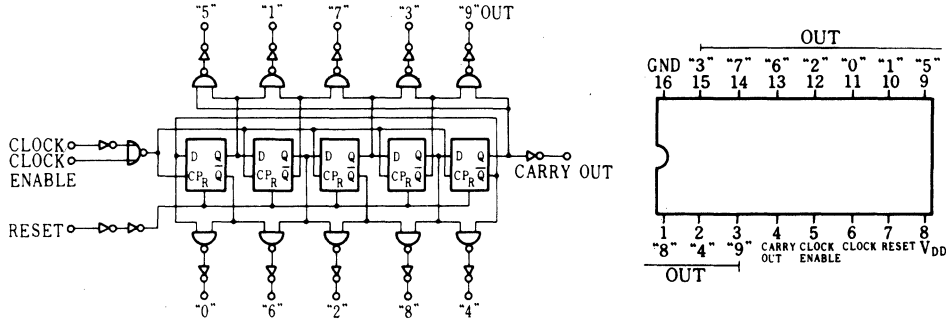
E05-8



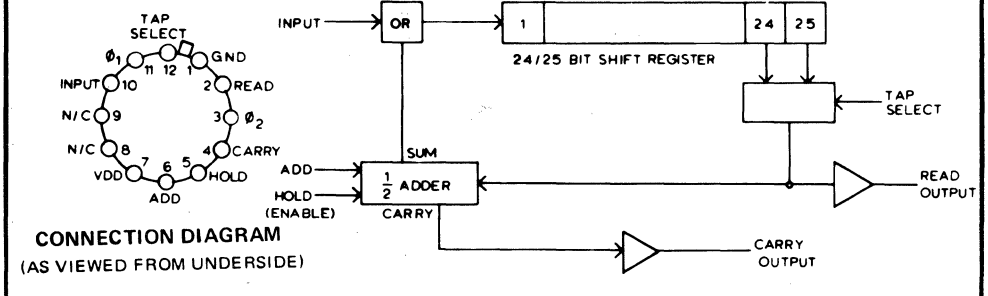
E05-9



E05-10

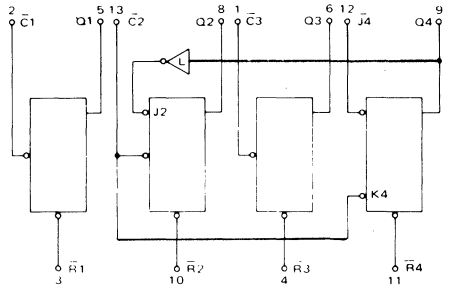


E06-6

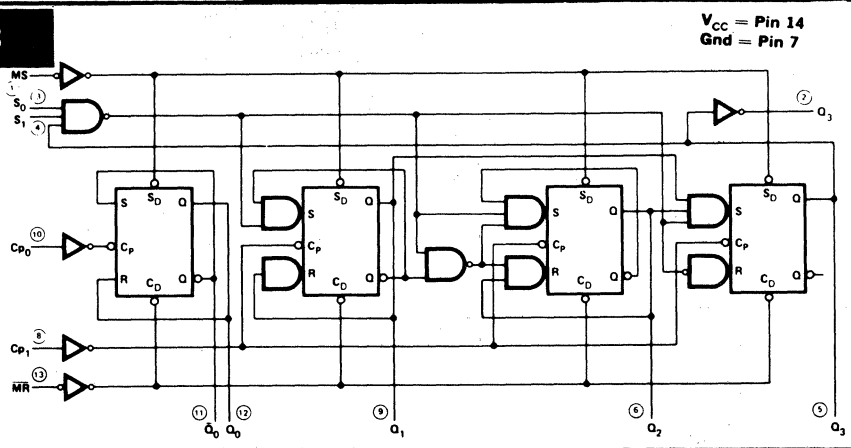


CONNECTION DIAGRAM
(AS VIEWED FROM UNDERSIDE)

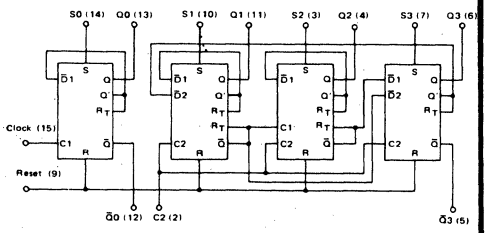
E06-7



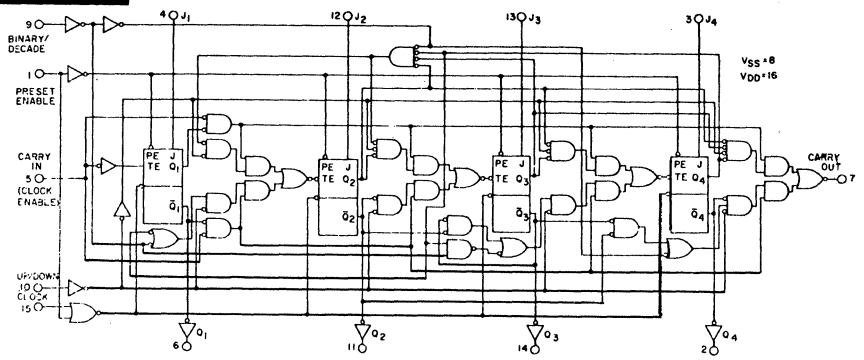
E06-8



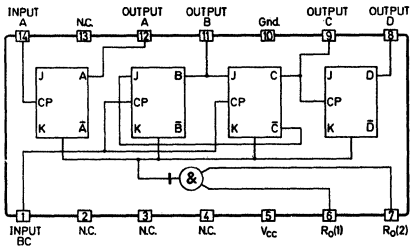
E06-9



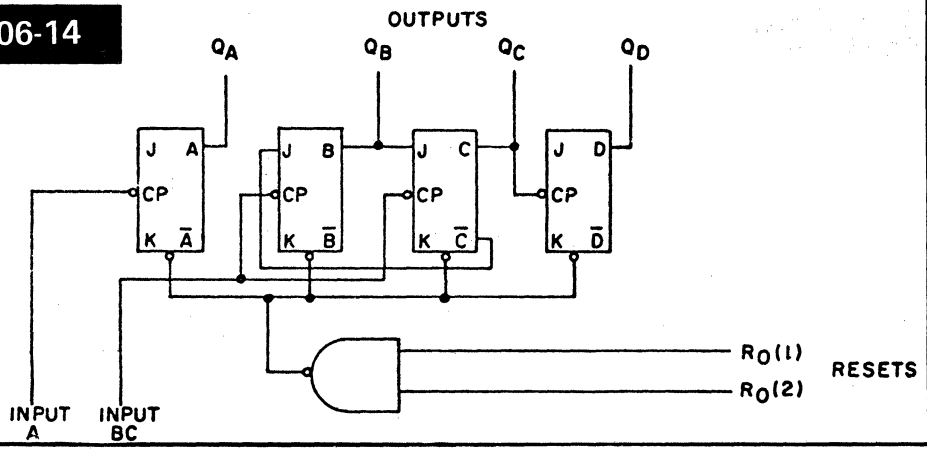
E06-11



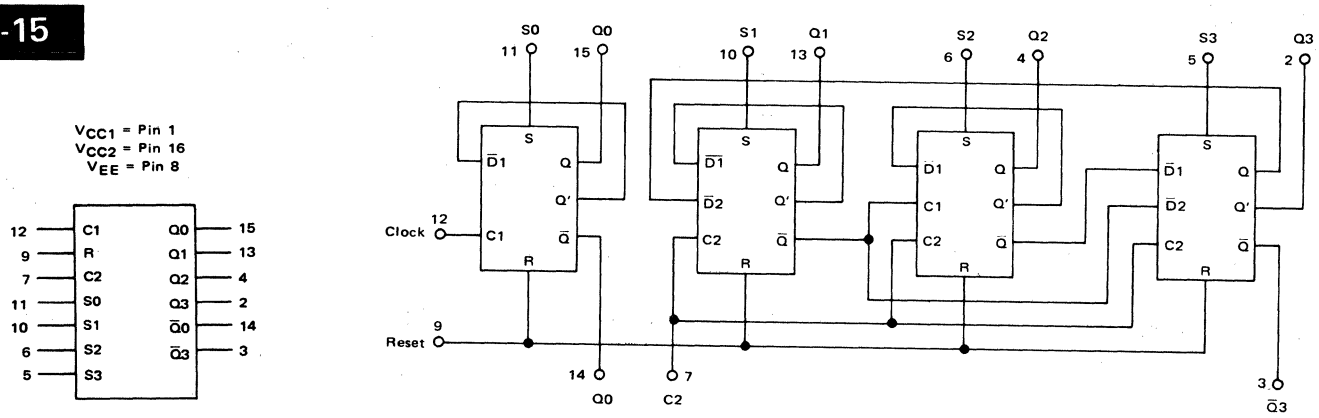
E06-13



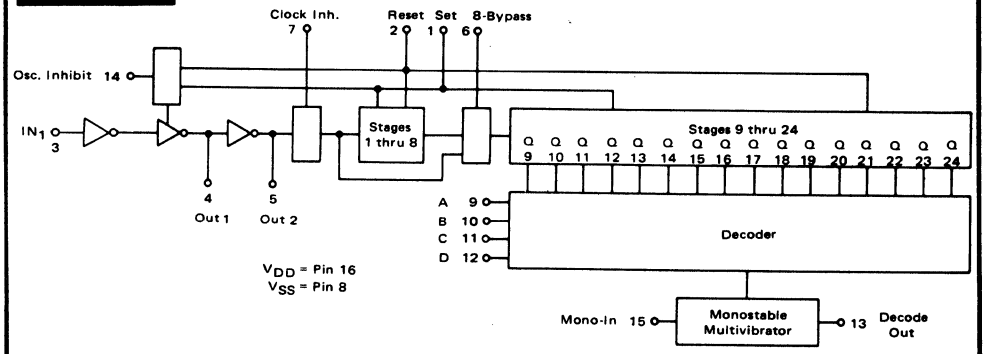
E06-14



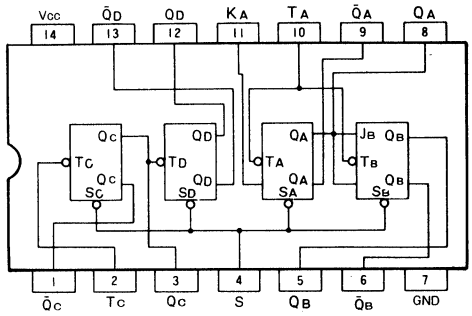
E06-15



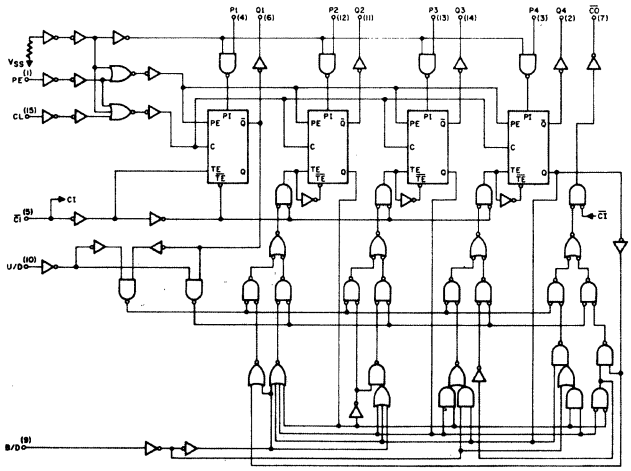
E06-16



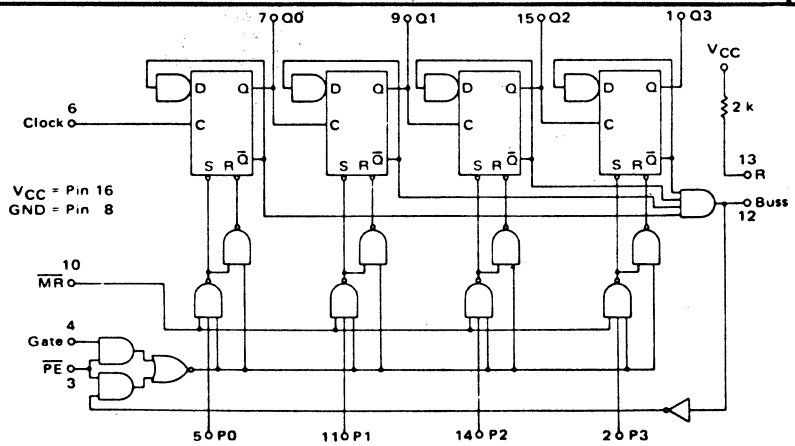
E06-17



E06-18

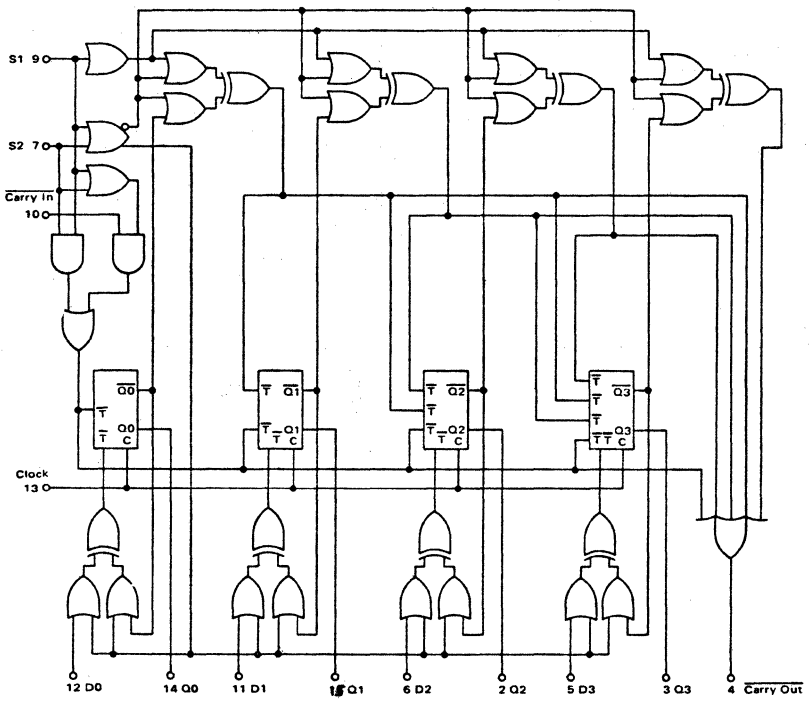


E07-1

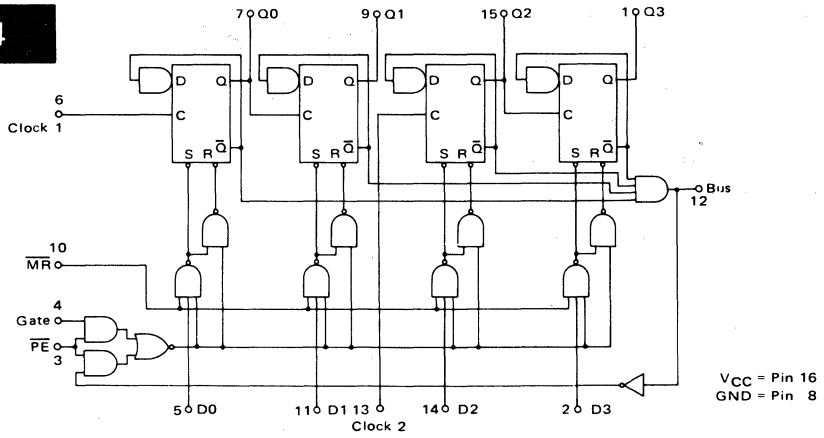


COUNT	OUTPUT			
	Q3	Q2	Q1	Q0
15	1	1	1	1
14	1	1	1	0
13	1	1	0	1
12	1	1	0	0
11	1	0	1	1
10	1	0	1	0
9	1	0	0	1
8	1	0	0	0
7	0	1	1	1
6	0	1	1	0
5	0	1	0	1
4	0	1	0	0
3	0	0	1	1
2	0	0	1	0
1	0	0	0	1
0	0	0	0	0

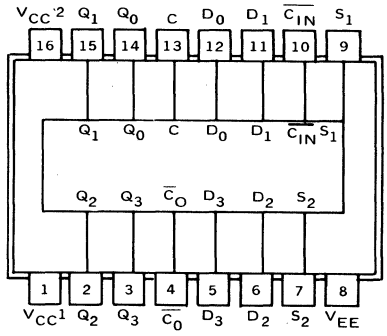
E07-3



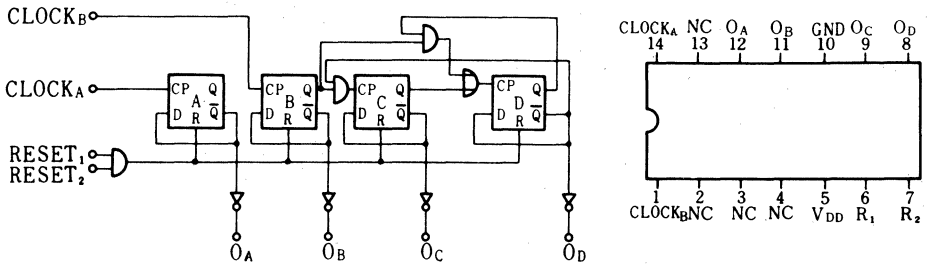
E07-4



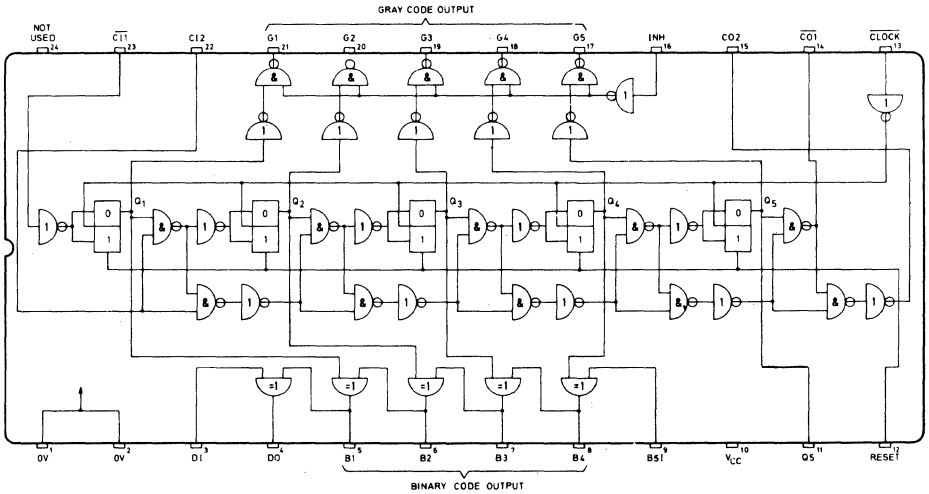
E07-5



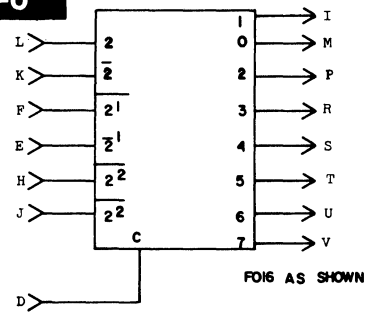
E08-1



E09-1

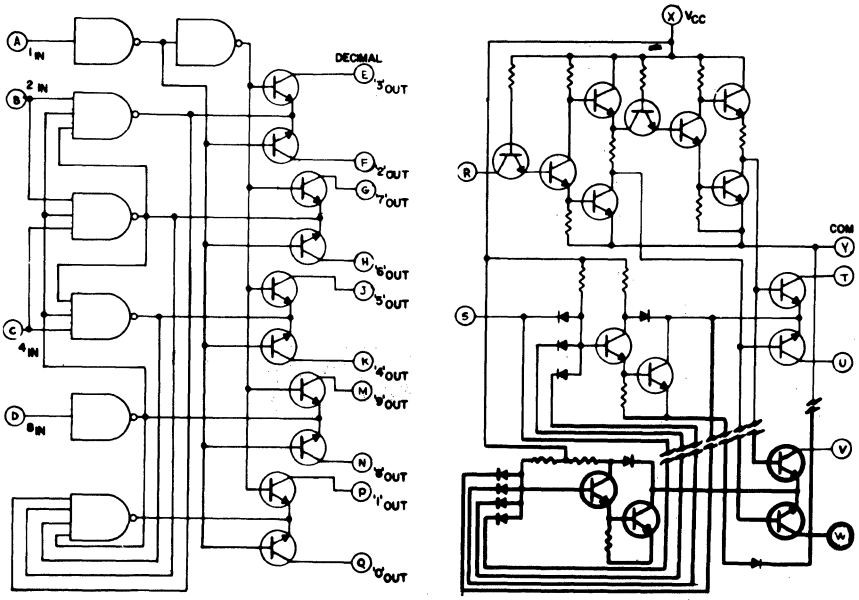


F01-6



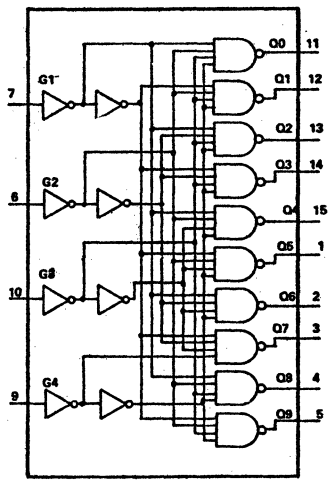
CKT NO	2	$\bar{2}$	2^1	$\bar{2}^1$	2^2	$\bar{2}^2$	C	0	1	2	3	4	5	6	7
FO 16A	L	K	F	E	H	J	D	M	N	P	R	S	T	U	V

F01-19

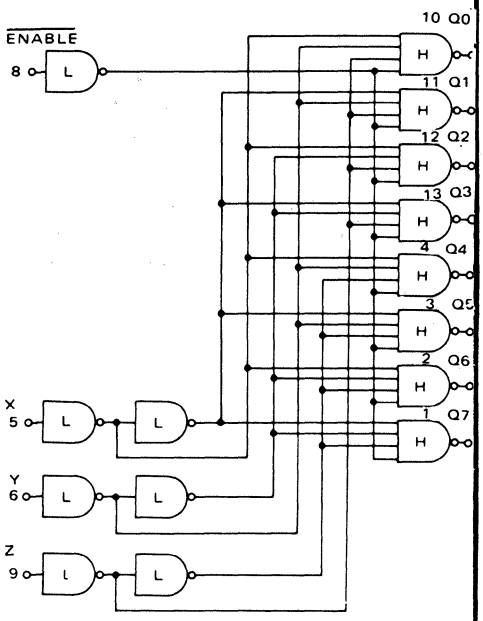


	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	T	U	V	W	X	Y
F01-19	15	2	3	1	5	4	6	7	10	9	14	13	11	12	15	2	5	4	11	12	16	8
F01-19a	3	6	7	4	9	8	10	11	14	13	2	1	15	16	3	6	9	8	15	16	5	12

F01-20

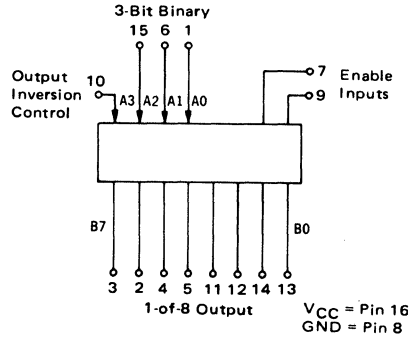


F01-21



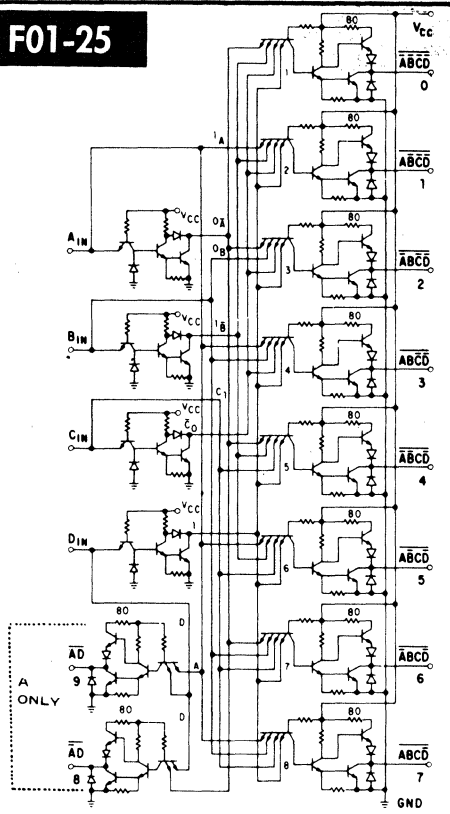
V_{CC} = PIN 14
GND = PIN 7

F01-22



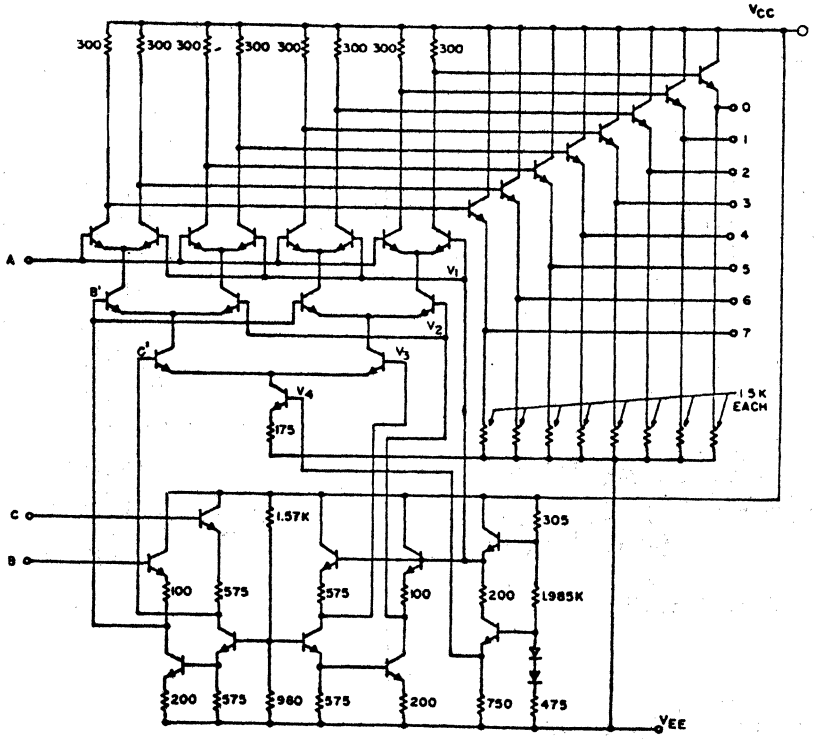
F01-22	3-BIT BINARY, 1-OF-8 OUTPUT
F01-22a	4-BIT BINARY, 2-OF-8 OUTPUT

F01-25

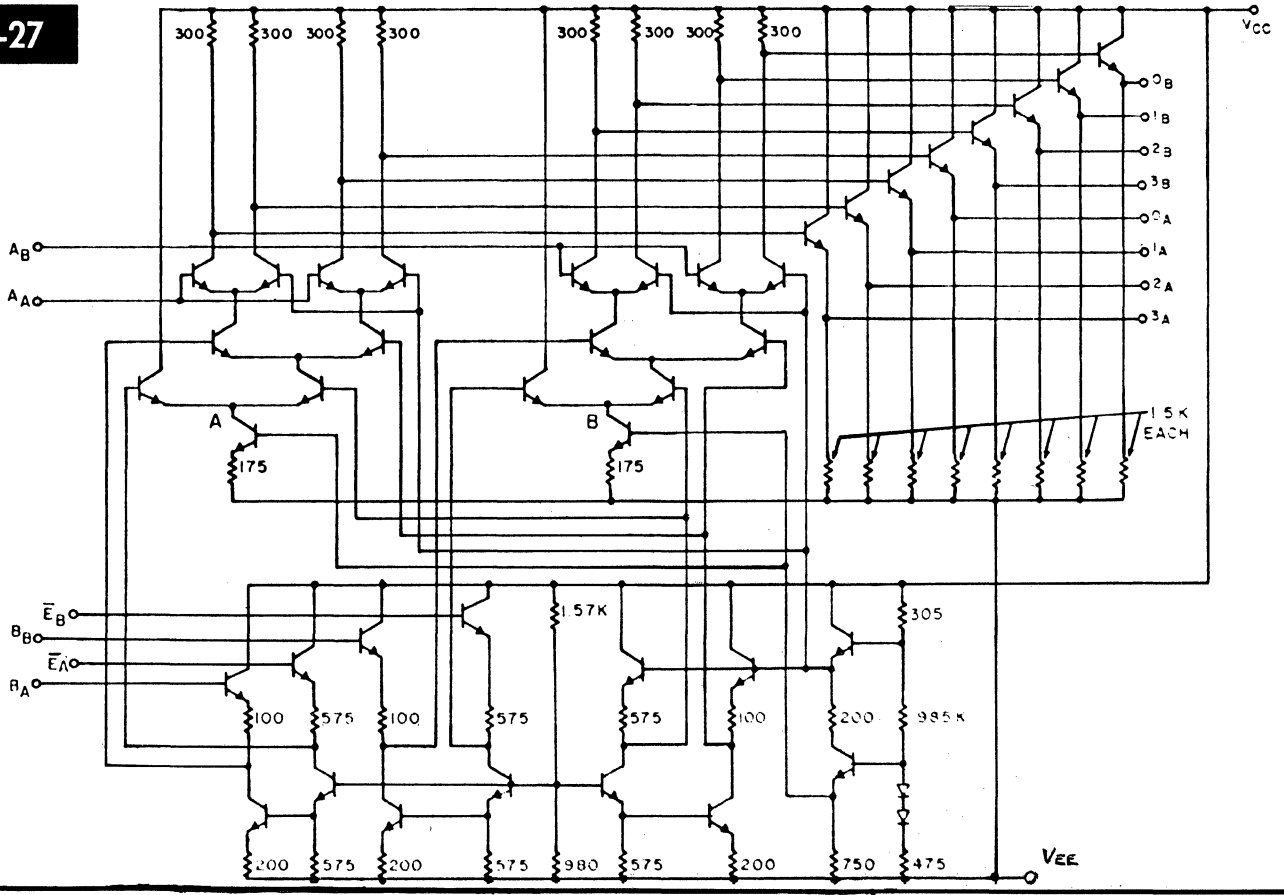


	PKG	A	B	C	D	0	1	2	3	4	5	6	7	V_{CC}	GND
F01-25	FP	1	13	2	3	12	11	10	9	8	4	5	6	14	7
	MP	5	3	6	7	2	1	14	13	12	8	9	10	4	11
F01-25a	FP	15	14	1	2	13	12	11	10	9	7	8	9	16	8

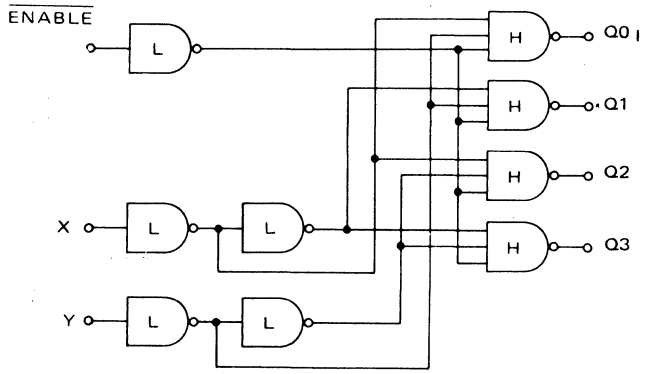
F01-26



F01-27

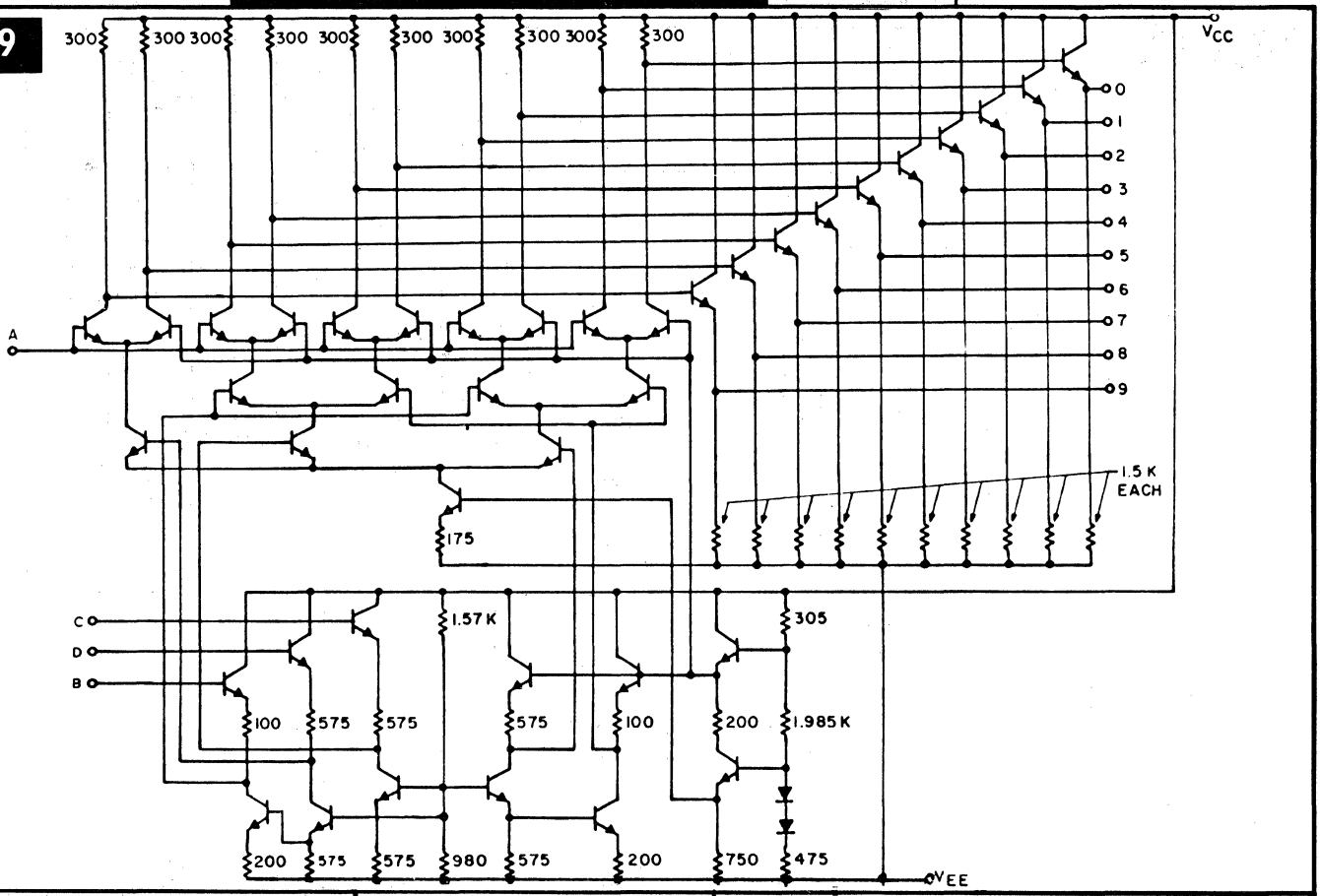


F01-28

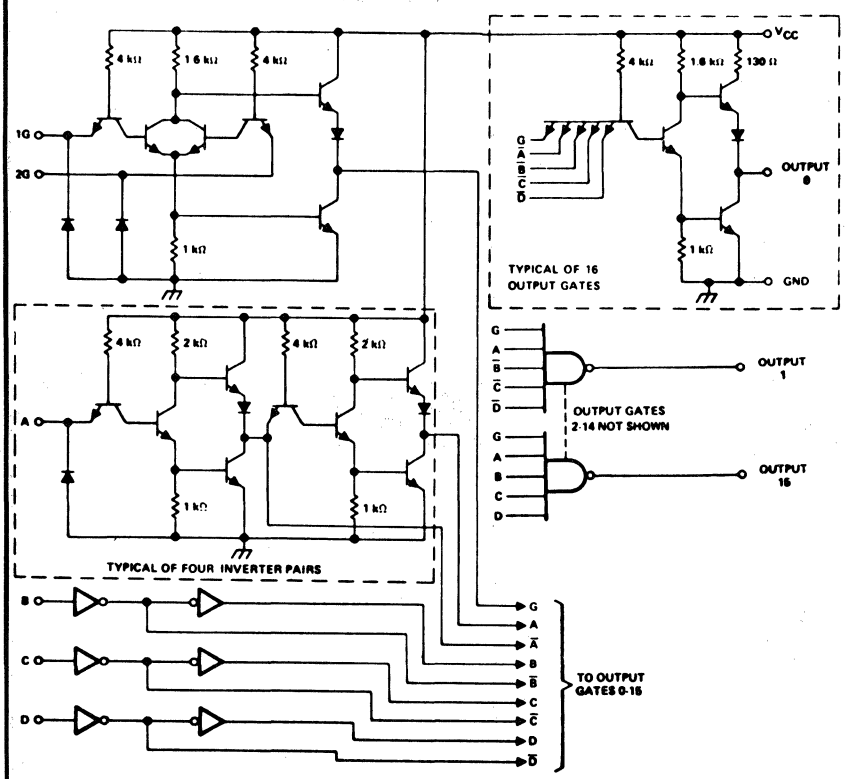


	CKT NO	ENABLE	X	Y	Q_0	Q_1	Q_2	Q_3	V_{CC}	GND
F01-28	1	5	6	7	4	3	2	1	16	8
	2	11	10	9	12	13	14	15		

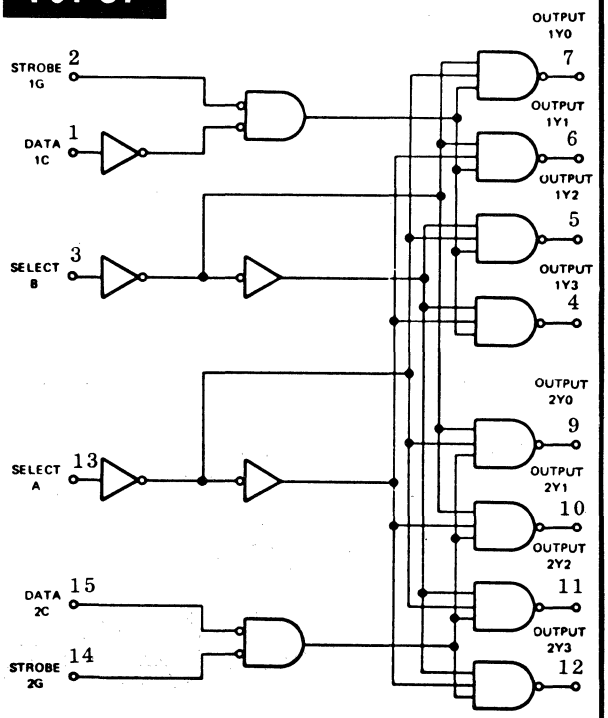
F01-29



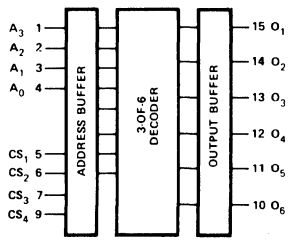
F01-30



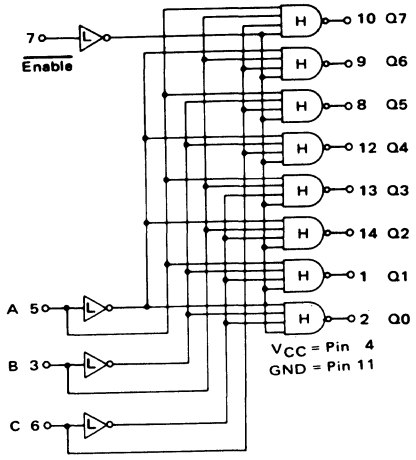
F01-31



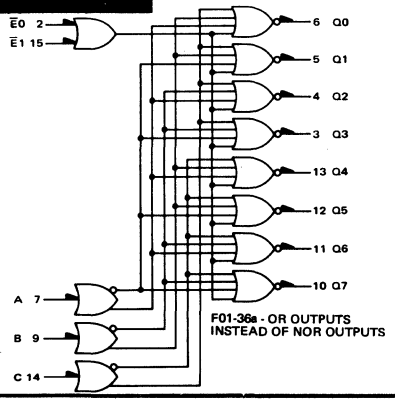
F01-32



F01-34

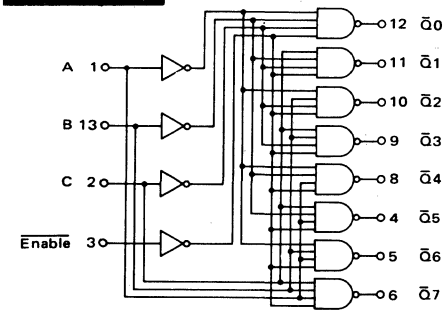


F01-36

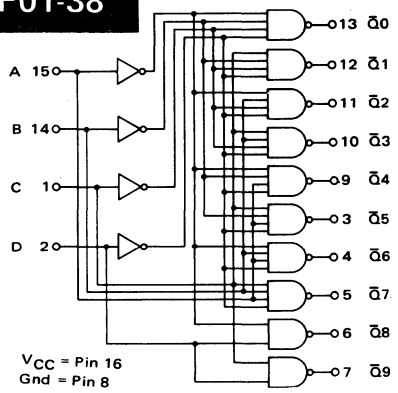


F01-36a - OR OUTPUTS INSTEAD OF NOR OUTPUTS

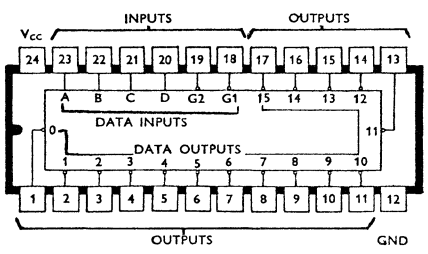
F01-37

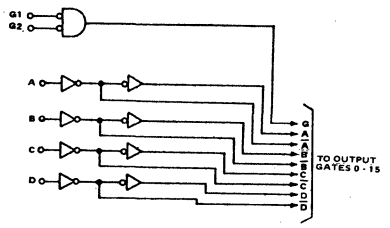


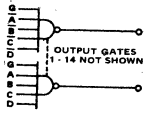
F01-38



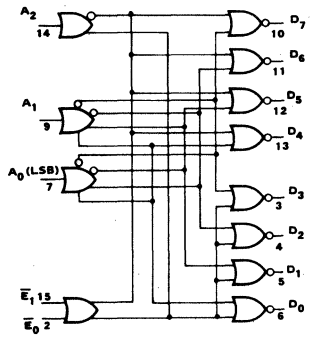
F01-39



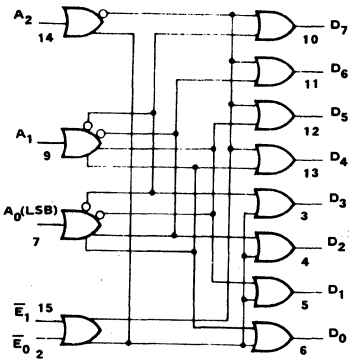




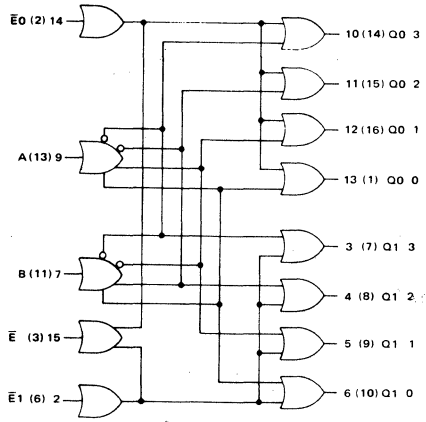
F01-42



F01-43



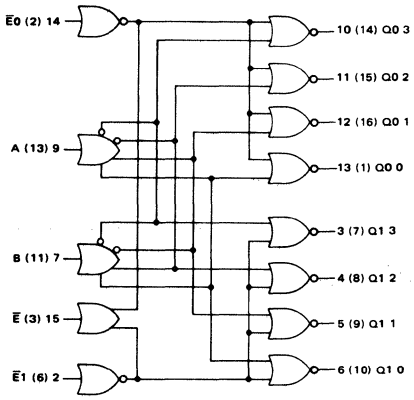
F01-44



Numbers at end of terminals are pin numbers for L package
Numbers in parenthesis denotes pin numbers for F package

VCC1	VCC2	VEE
Pin 1	Pin 16	Pin 8
Pin 5	Pin 4	Pin 12

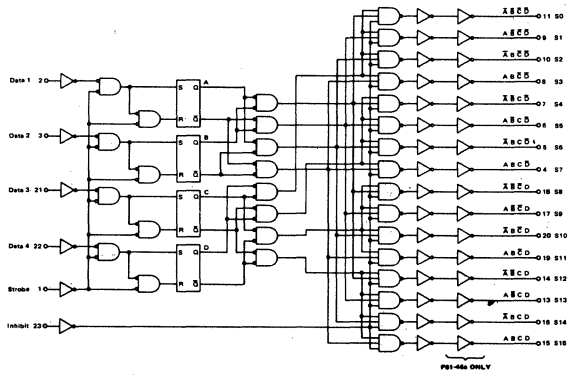
F01-45



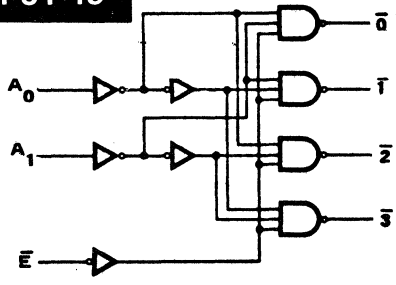
Numbers at end of terminals are pin numbers for L package
Numbers in parenthesis denotes pin numbers for F package

VCC1	VCC2	VEE
Pin 1	Pin 16	Pin 8
Pin 5	Pin 4	Pin 12

F01-46

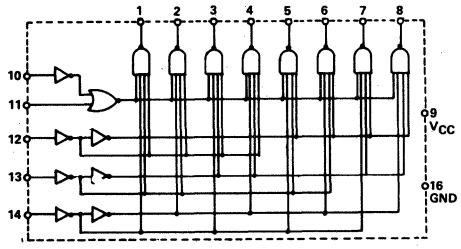


F01-49

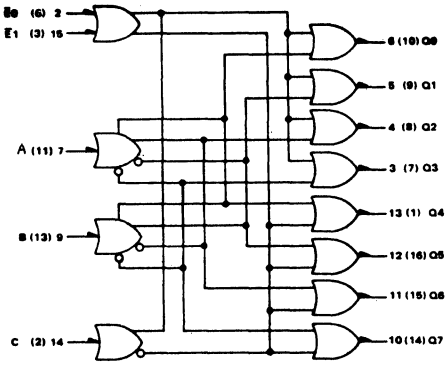


F01-49	CKT	A0	A1	E	0	1	2	3
	1	2	3	1	4	5	6	7
	2	14	13	15	12	11	10	9

F01-50



F01-52

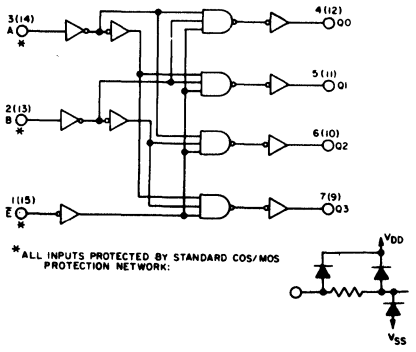


V_{CC1}	V_{CC2}	V_{EE}
Pin 1	Pin 16	Pin 8
Pin 5	Pin 4	Pin 12

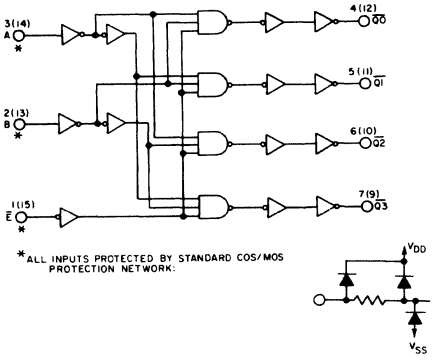
F01-52a — HAS INVERTED OUTPUT

Numbers at end of terminals are pin numbers for L package
Numbers in parenthesis denotes pin numbers for F package

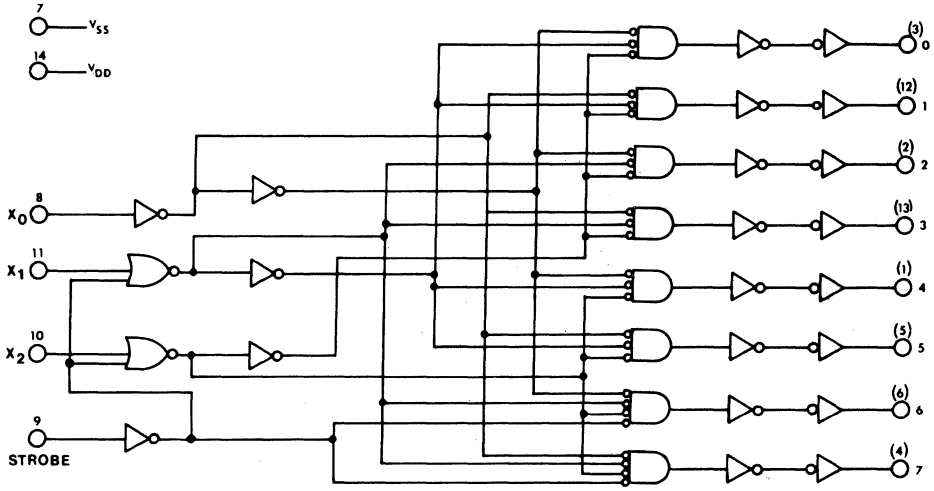
F01-53



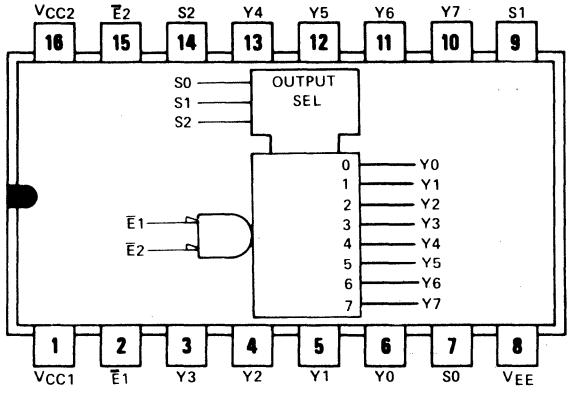
F01-54



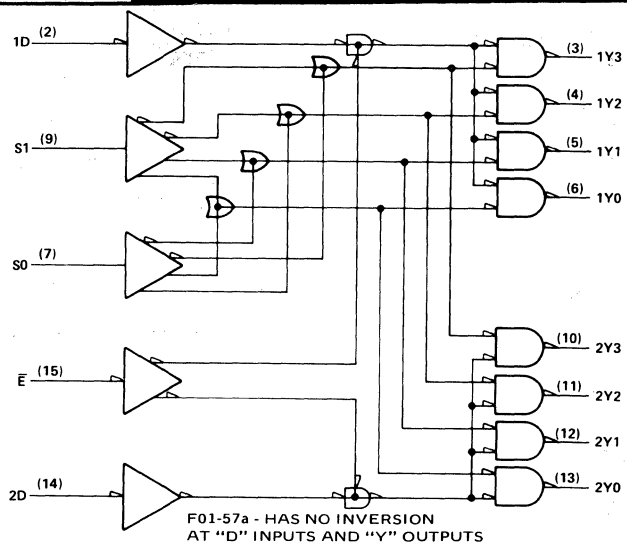
F01-55



F01-56

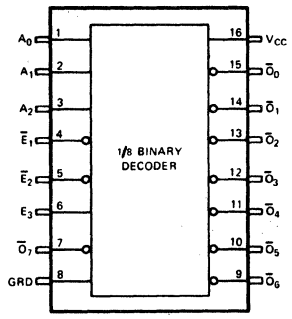


F01-57

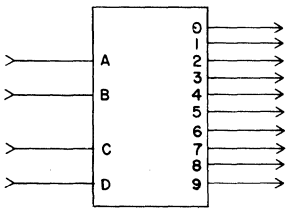


F01-57a - HAS NO INVERSION AT "D" INPUTS AND "Y" OUTPUTS

F01-58

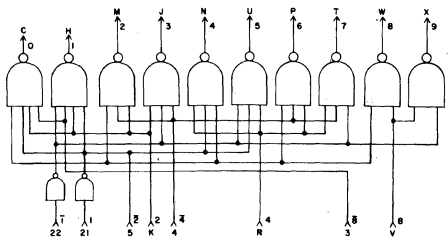


F02-29

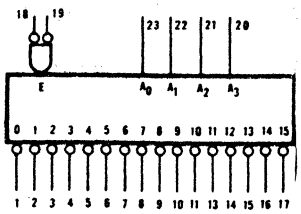


	CKT	A	B	C	D	0	1	2	3	4	5	6	7	8	9	VCC	GND
F02-29	1	3	6	7	4	16	15	8	9	13	14	11	10	1	2	5	12
F02-29a	1	15	14	13	12	1	2	3	4	5	6	7	9	10	11	16	8
F02-29b	1	13	2	21	20	14	8	15	7	16	6	17	5	18	4		
F02-29c	1	37	41	49	47	38	39	44	42	40	50	48	43	45	46		
	2	19	23	31	29	20	21	26	24	22	32	30	25	27	28		
	3	3	7	15	13	4	5	10	8	6	16	14	9	11	12		

F02-31

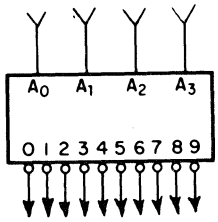


F02-32



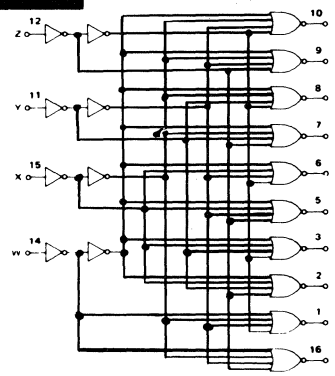
Vcc = Pin 24
Gnd = Pin 12

F02-33

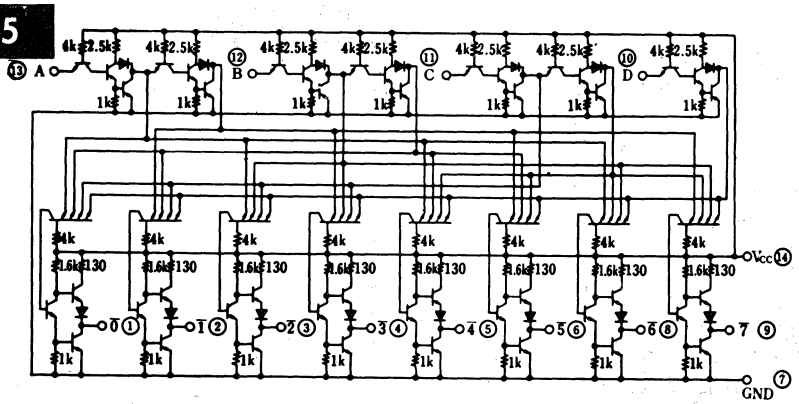


	A0	A1	A2	A3	0	1	2	3	4	5	6	7	8	9
F02-33	15	14	1	2	13	12	11	10	9	3	4	5	6	7
F02-33a	3	6	7	4	16	15	8	9	13	14	11	10	1	2
F02-33b	15	2	3	1	12	11	4	5	9	10	7	6	13	14
F02-33c	15	14	13	12	1	2	3	4	5	6	7	9	10	11

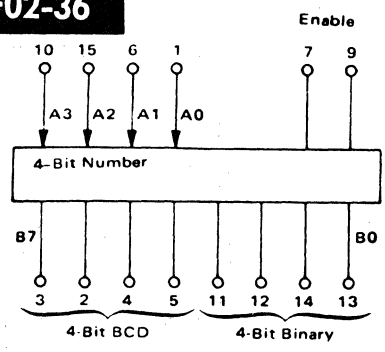
F02-34



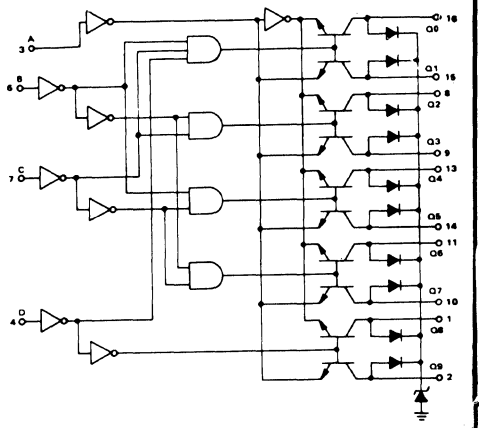
F02-35



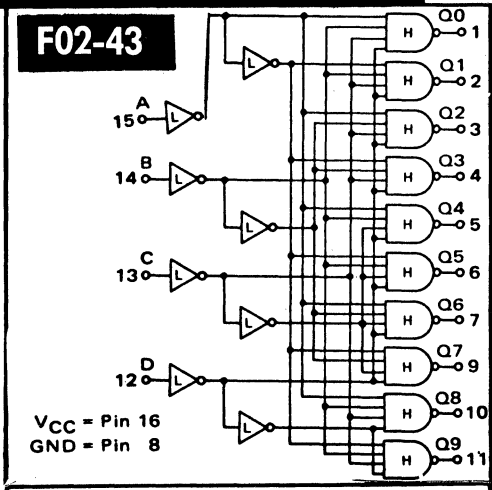
F02-36



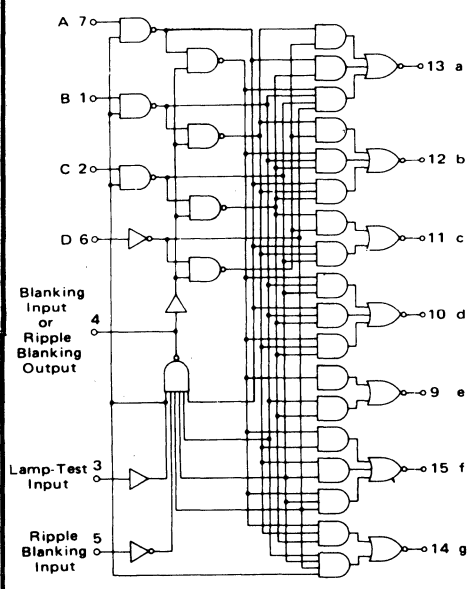
F02-37



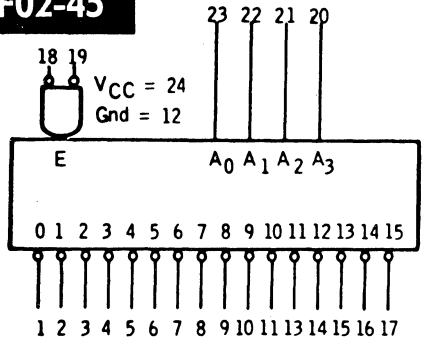
F02-43



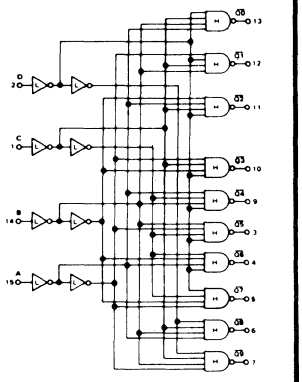
F02-44



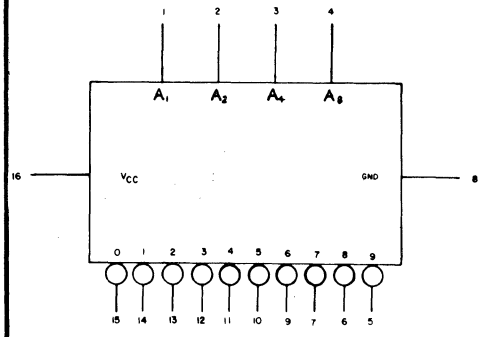
F02-45



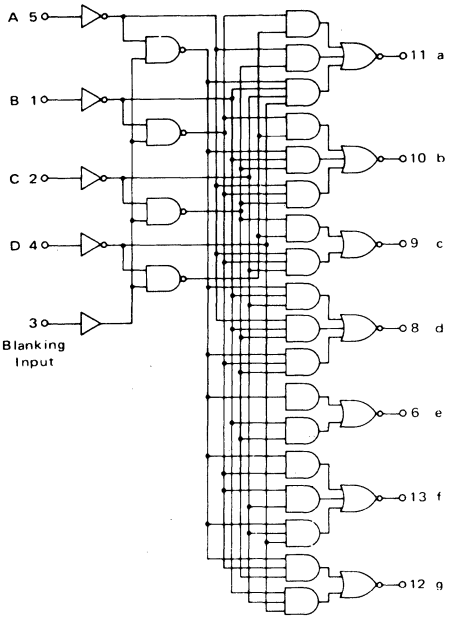
F02-46



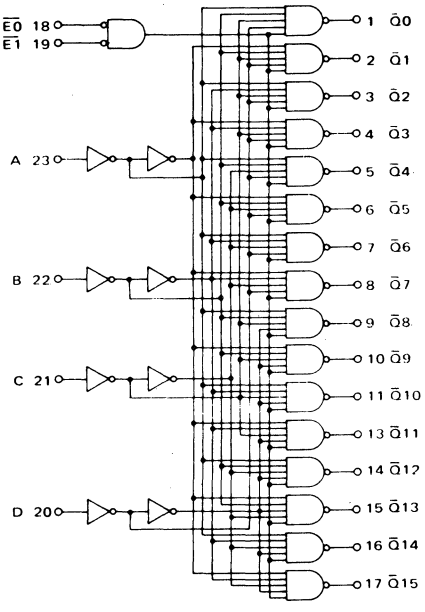
F02-47



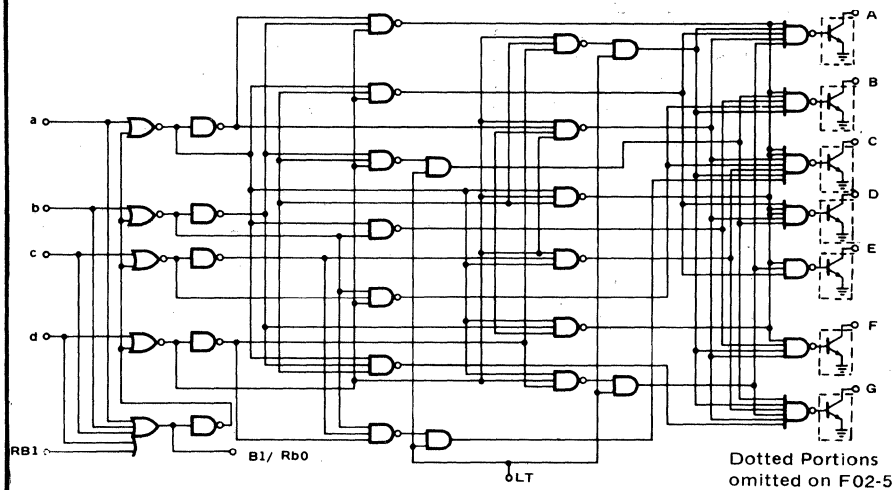
F02-48



F02-49



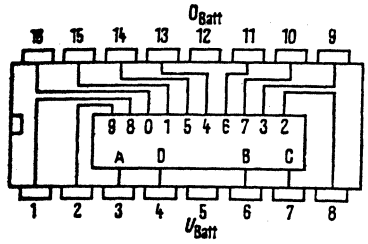
F02-51



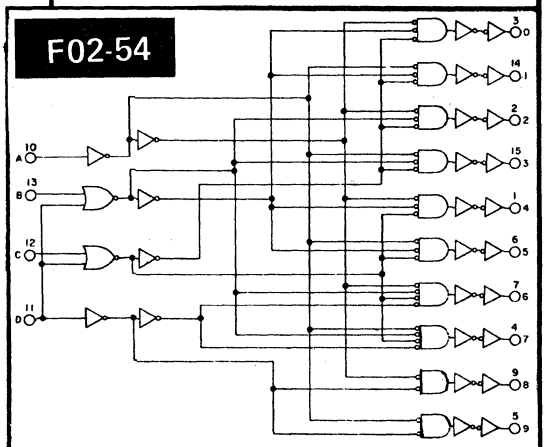
Dotted Portions omitted on F02-51a

	a	b	c	d	RB1	B1/RB0	LT	A	B	C	D	E	F	G	VCC	GND
F02-51	1	2	15	14	7	10	13	3	4	5	6	9	11	12	16	8

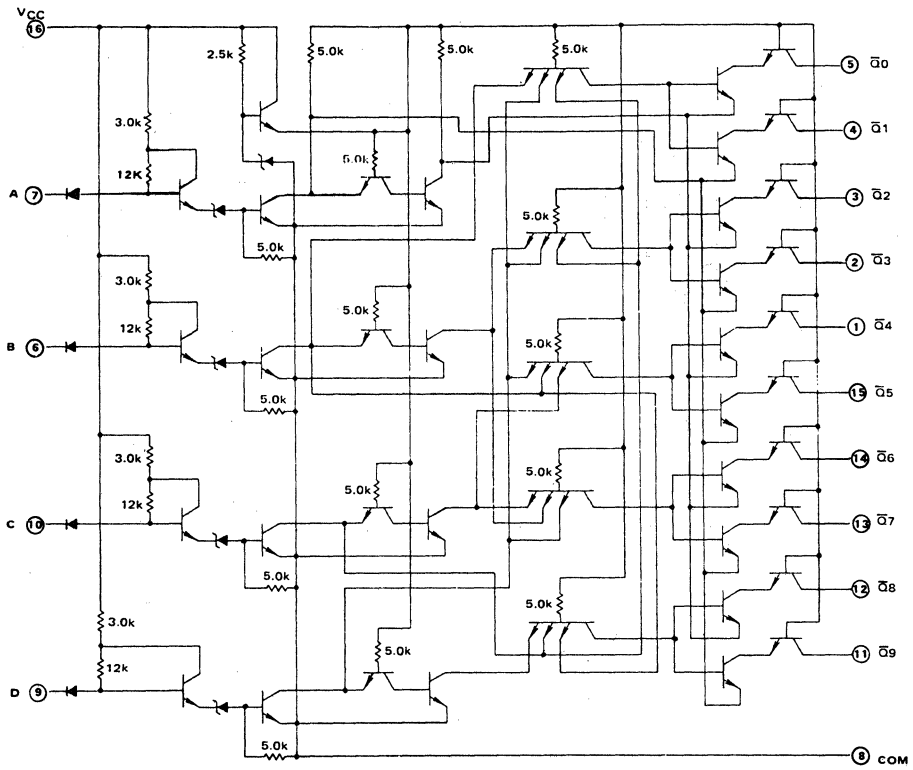
F02-53



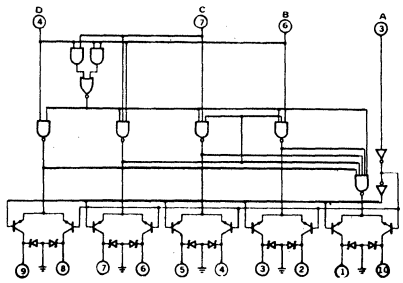
F02-54



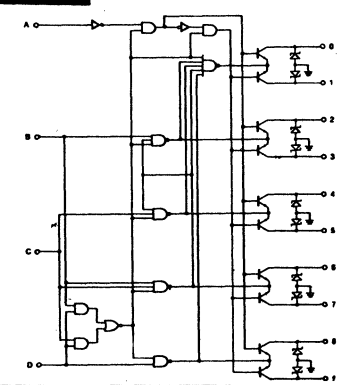
F02-55



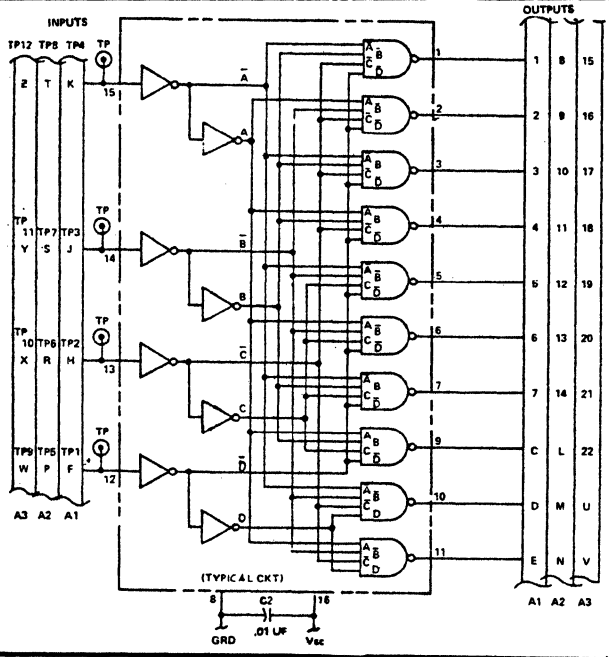
F02-57



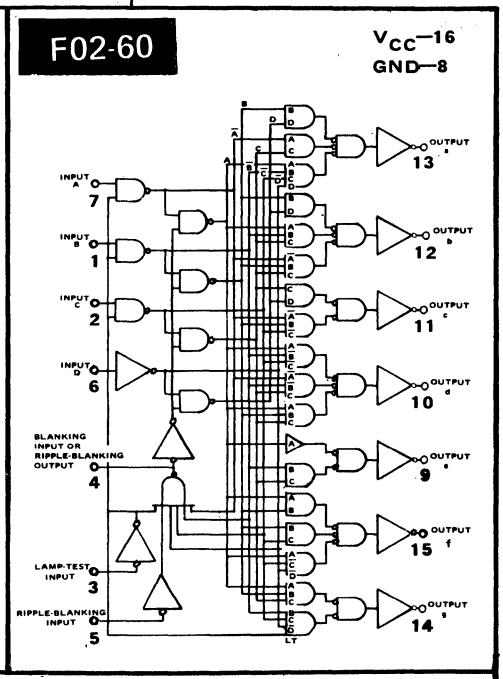
F02-58



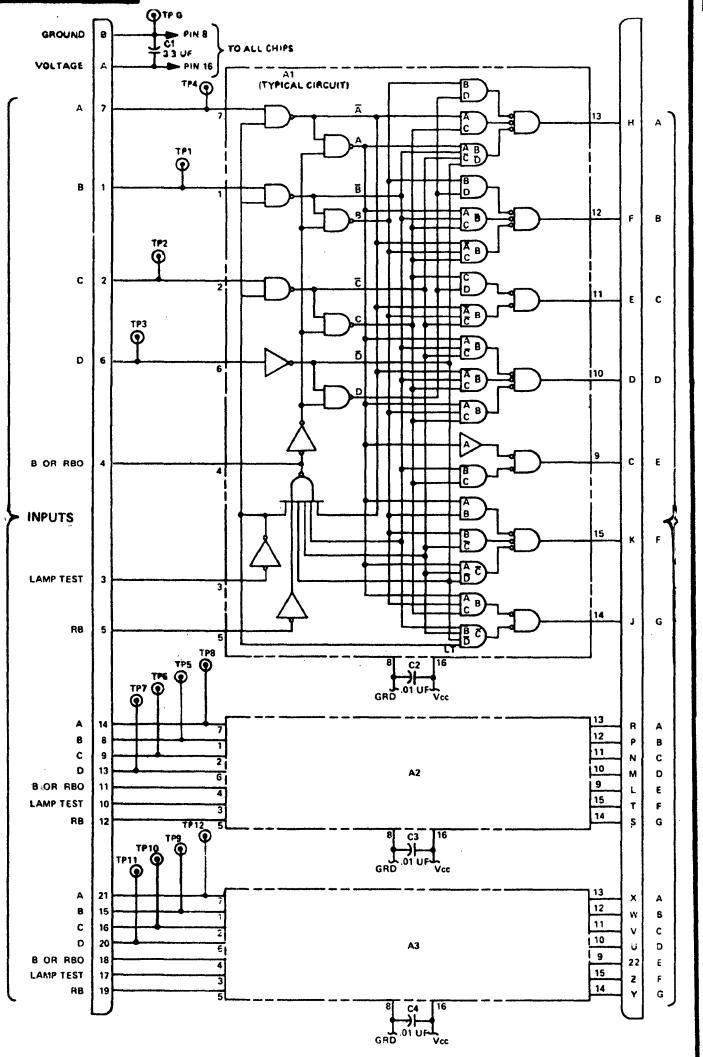
F02-59



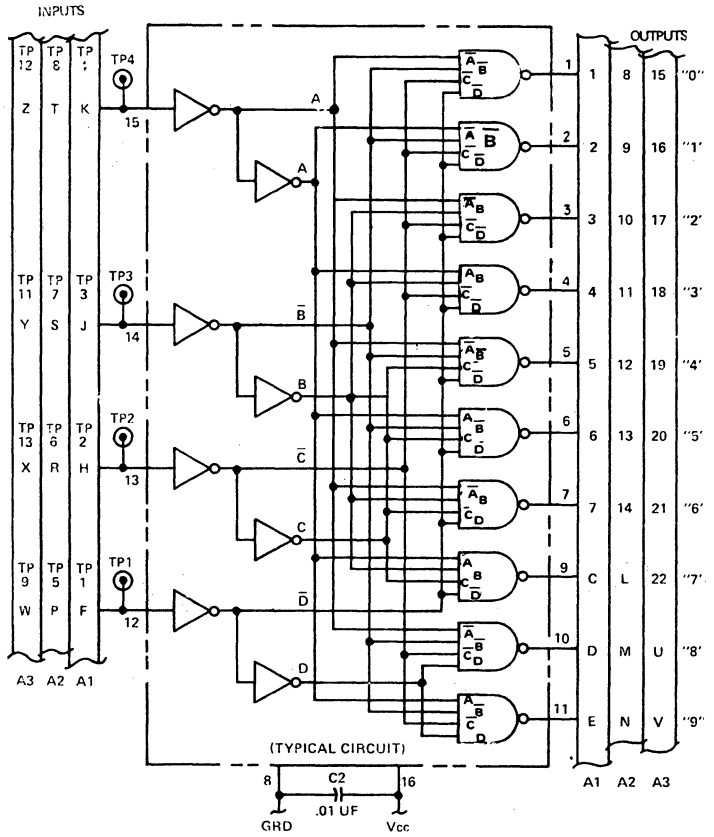
F02-60



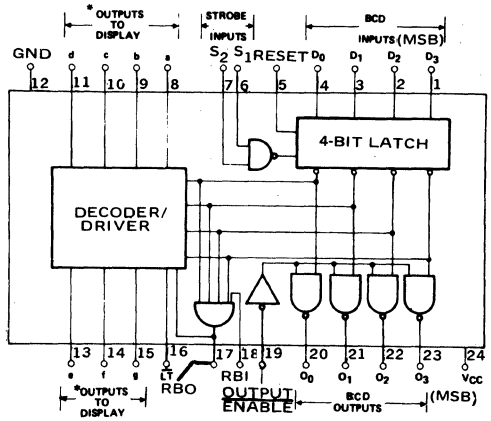
F02-61



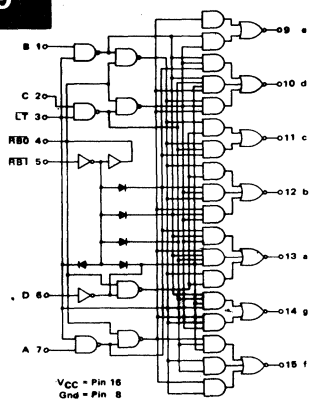
F02-62



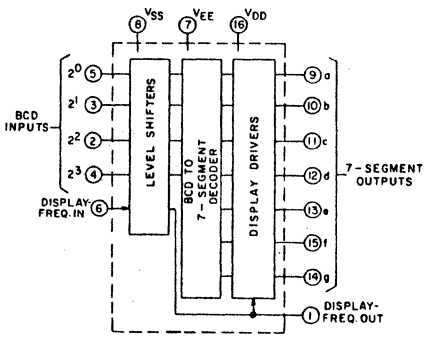
F02-68



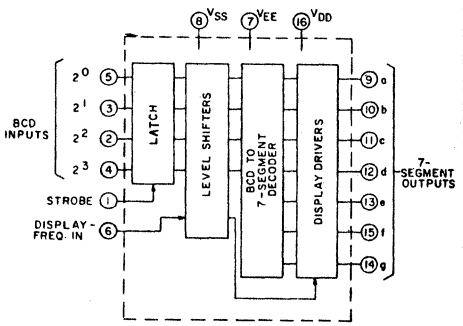
F02-69



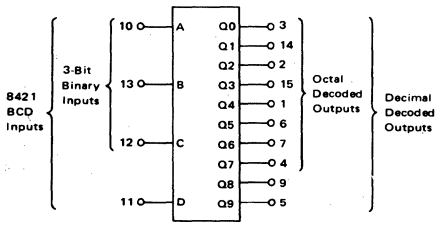
F02-70



F02-71

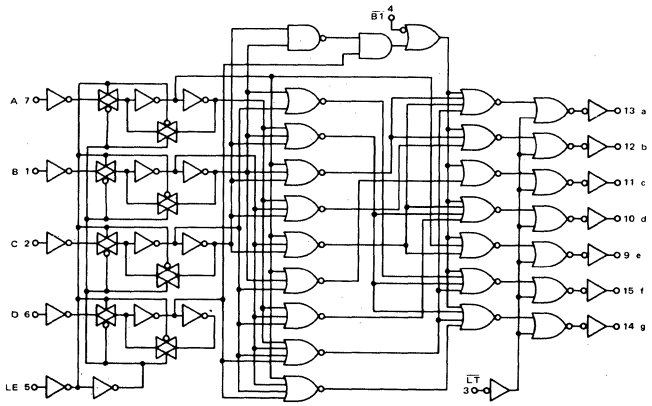


F02-72

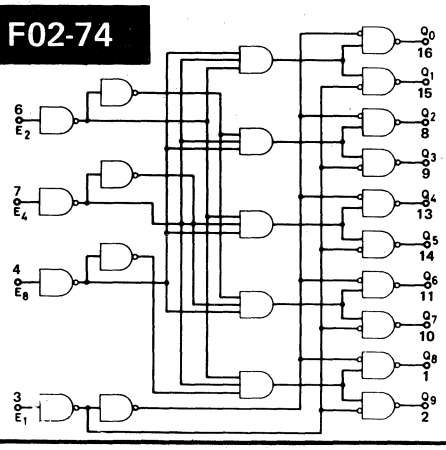


VDD = Pin 16
VSS = Pin 8

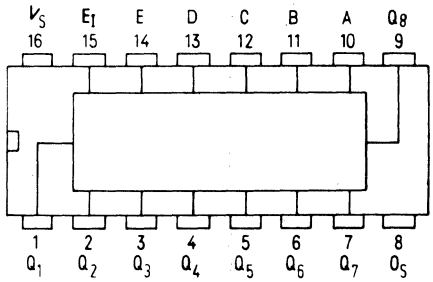
F02-73



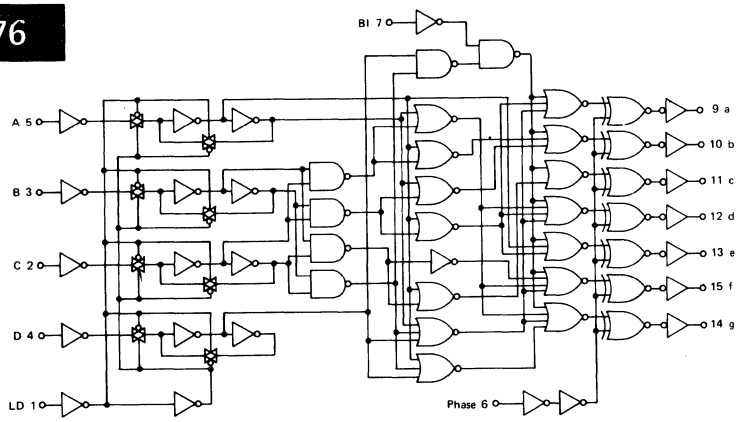
F02-74



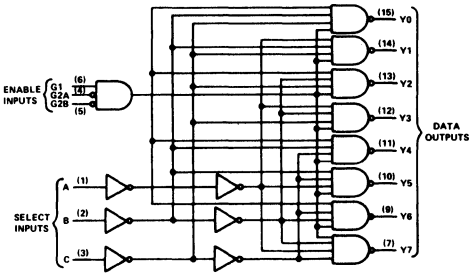
F02-75



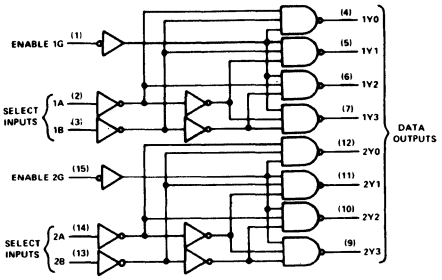
F02-76



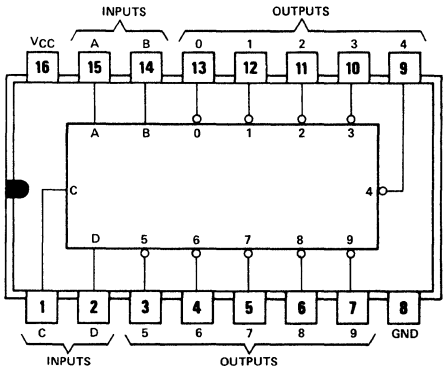
F02-77



F02-78



F02-80



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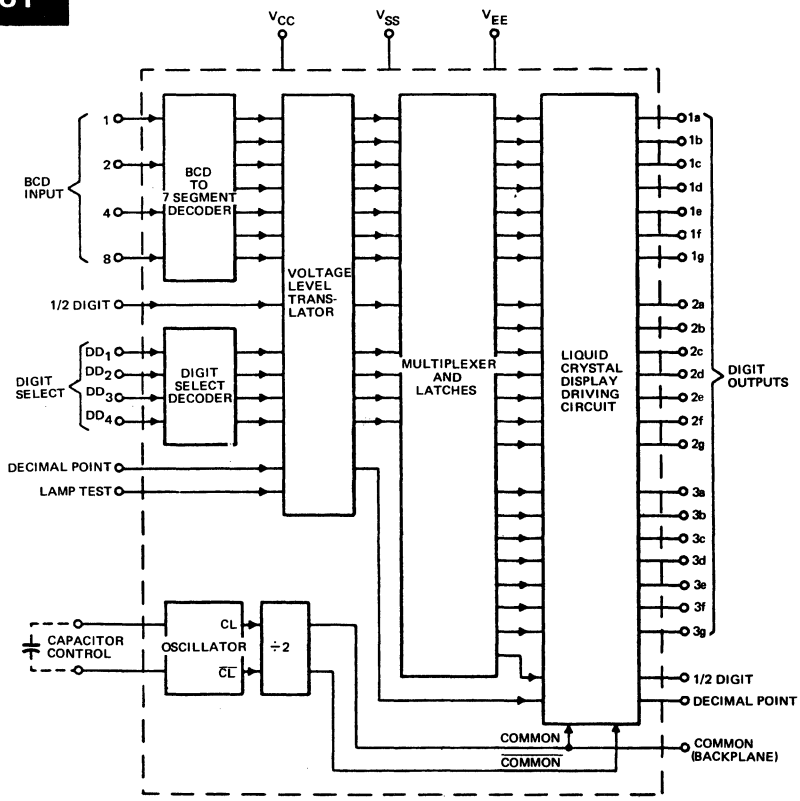

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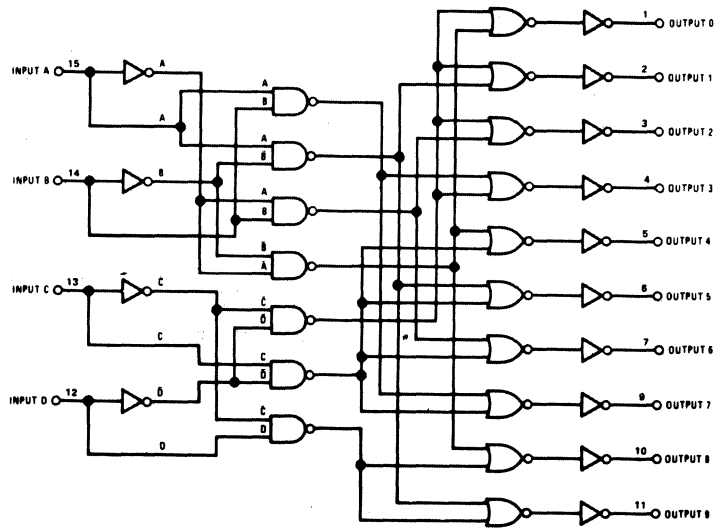

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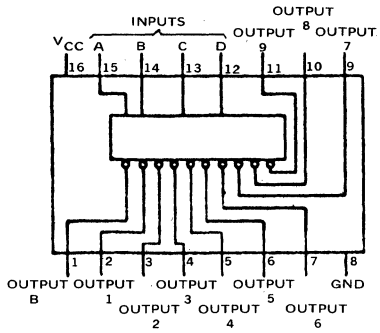

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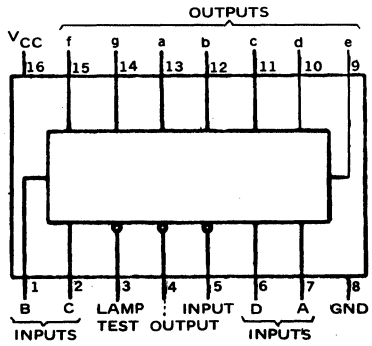

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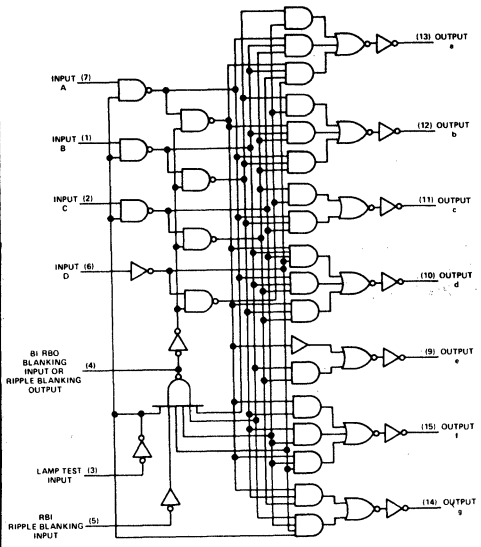

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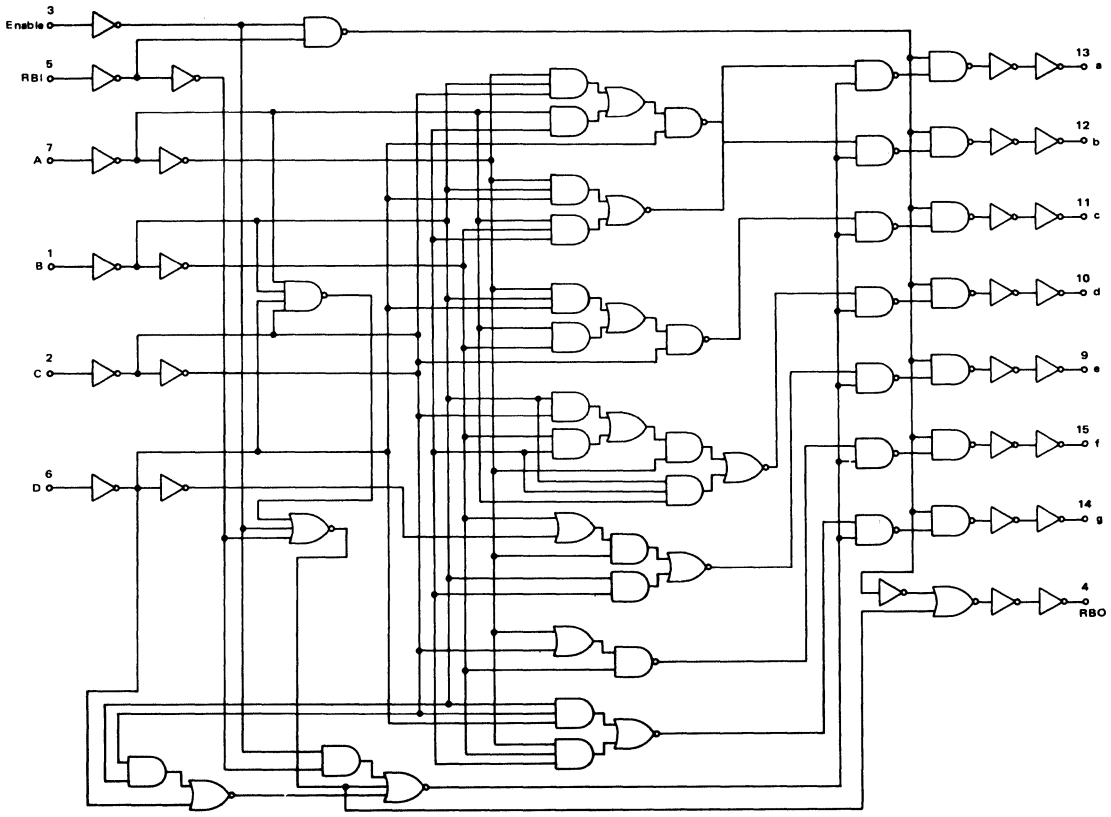

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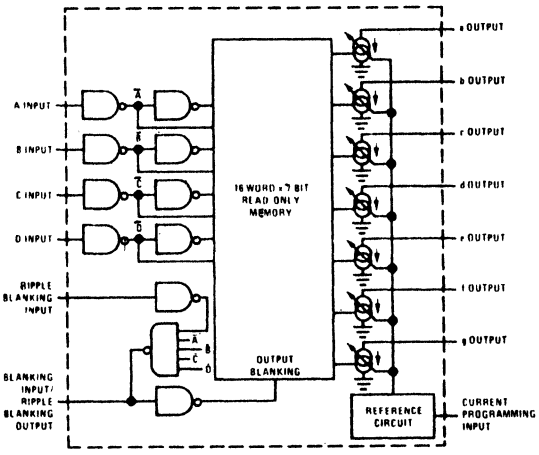
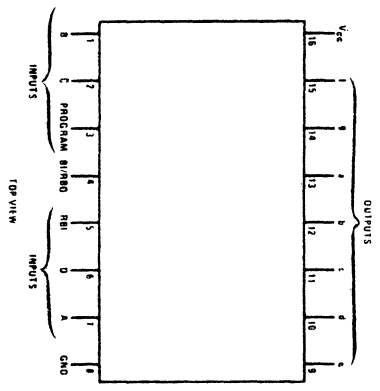
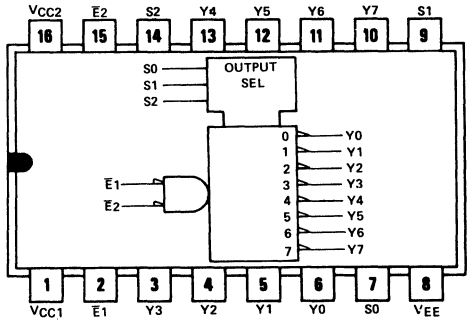




F02-88



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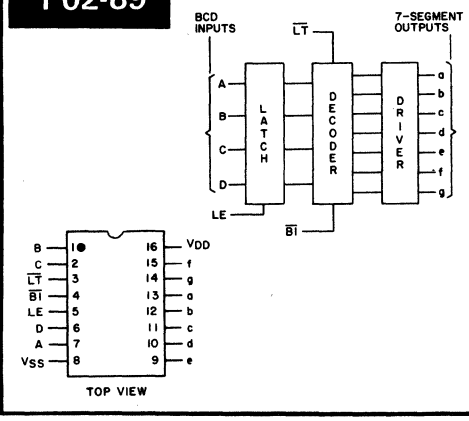
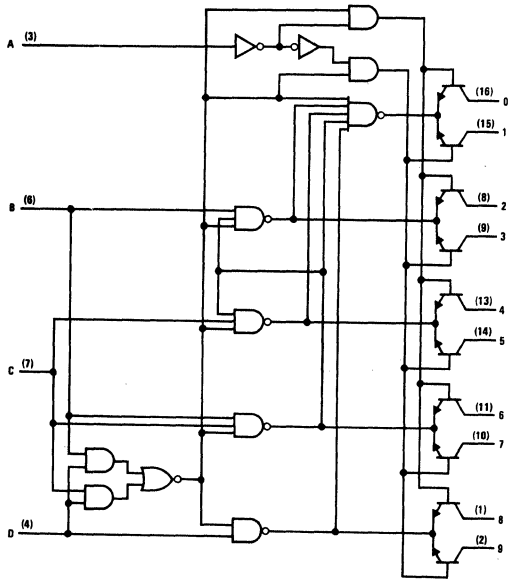
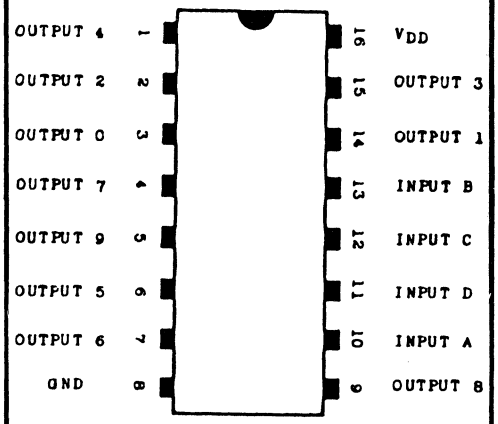


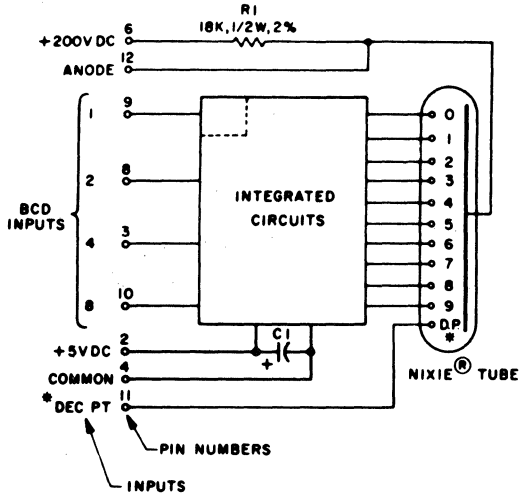
F02-90



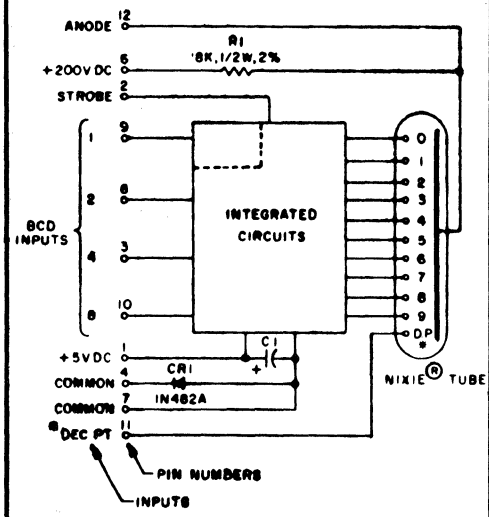
F02-91



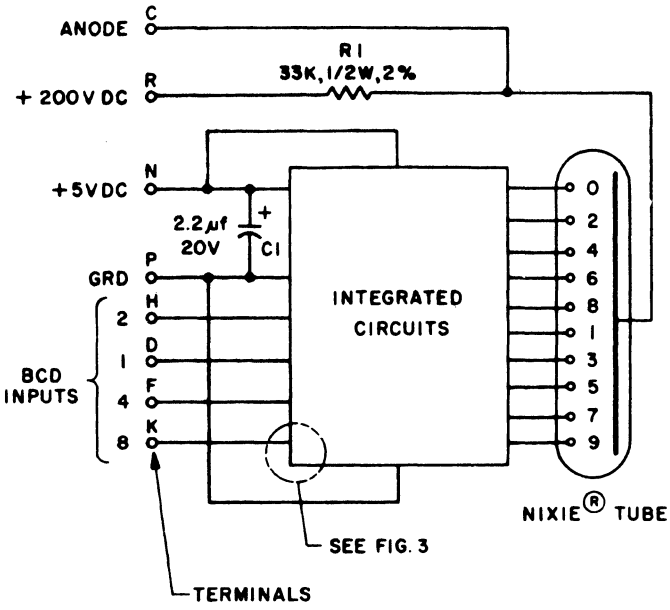
F02-92



F02-93



F02-94



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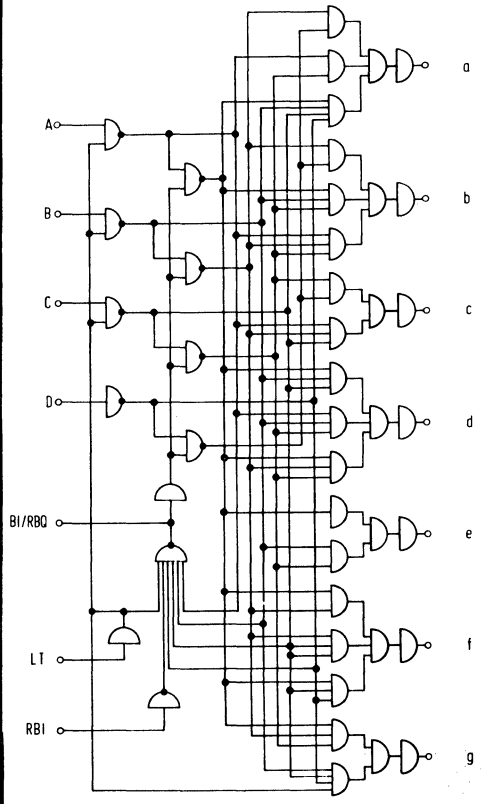

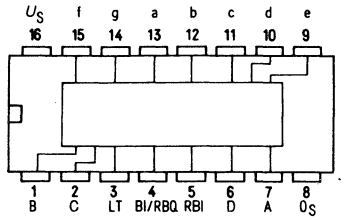

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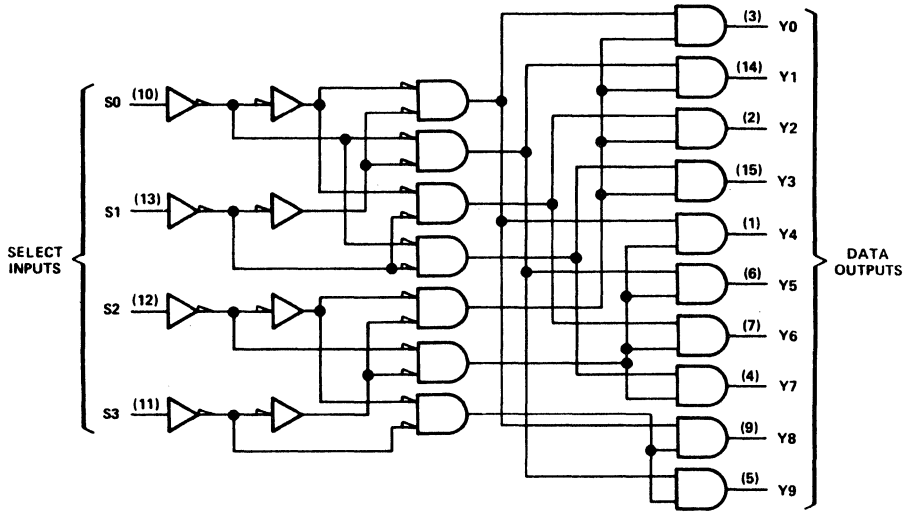
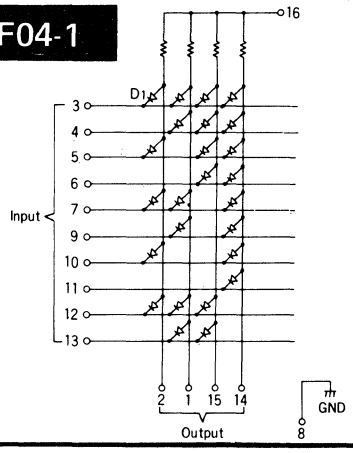


F04-1



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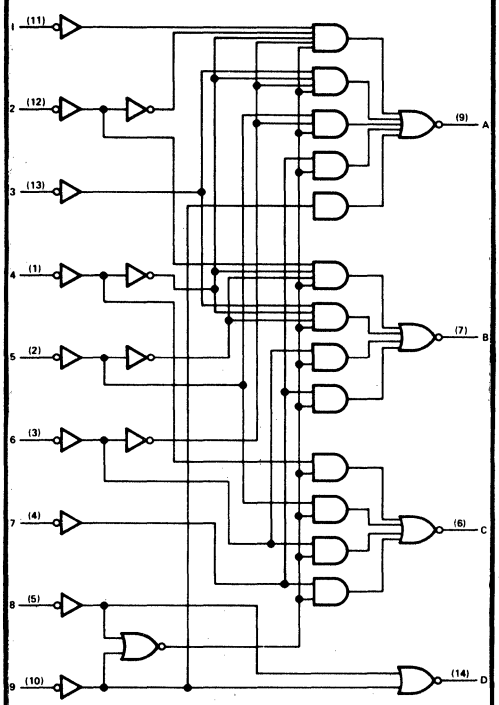
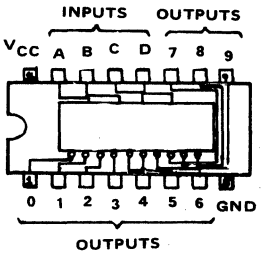
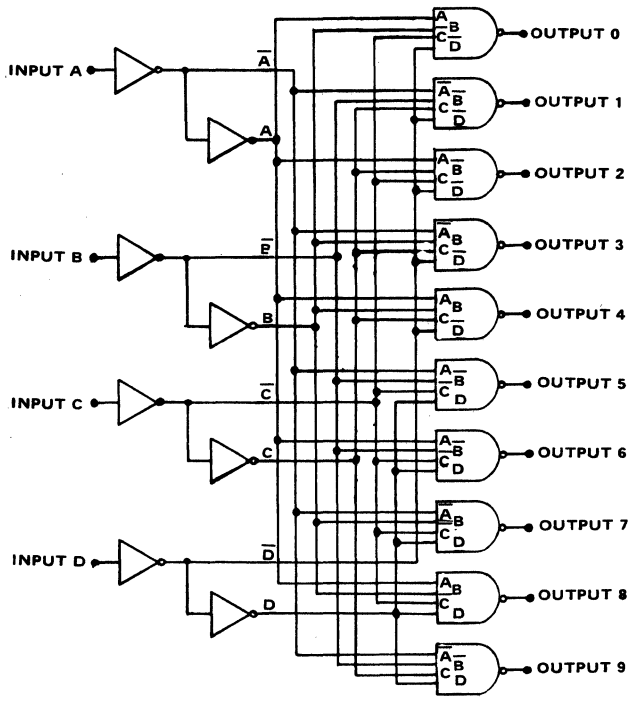
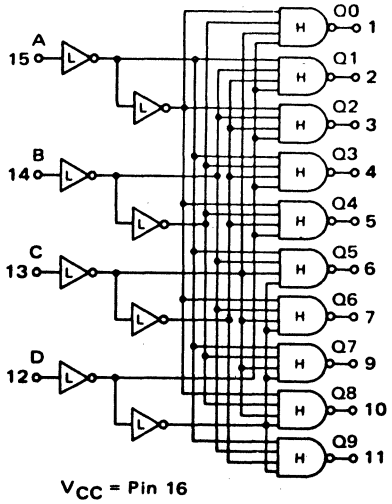


F05-2



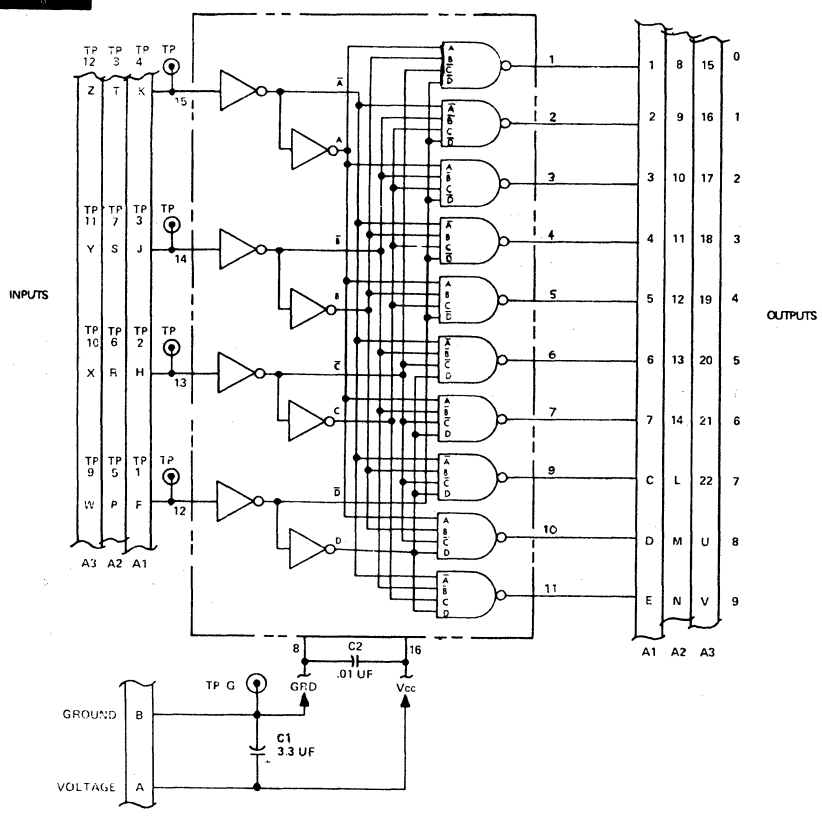


F05-3

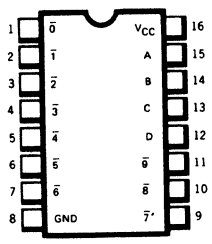


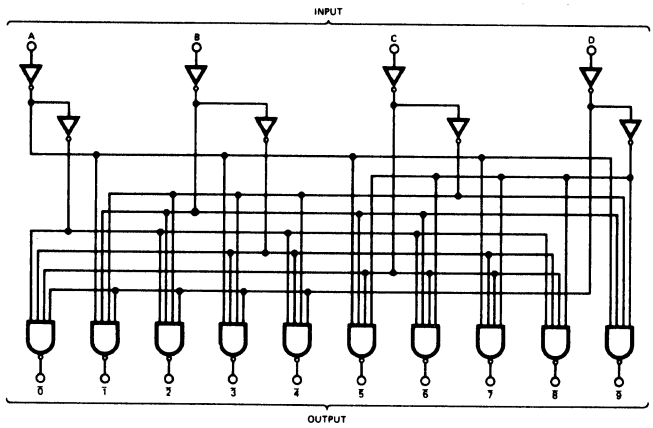
V_{CC} = Pin 16
GND = Pin 8

F05-4

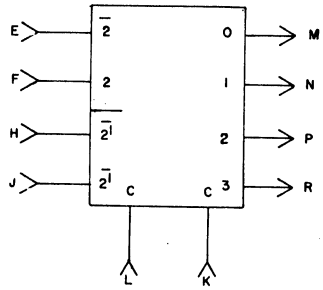


F05-5

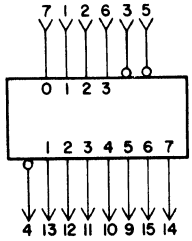




F07-3



F17-5



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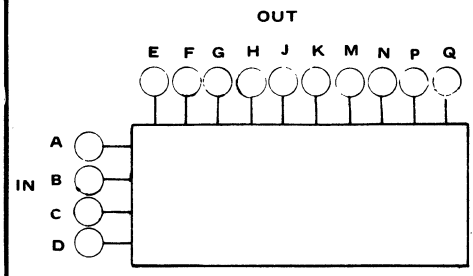
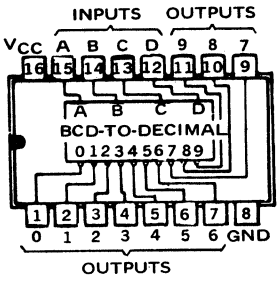
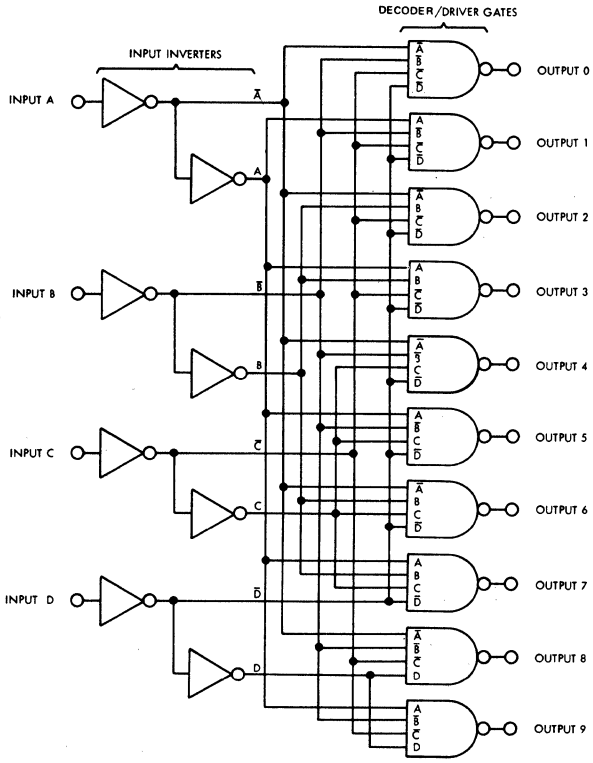


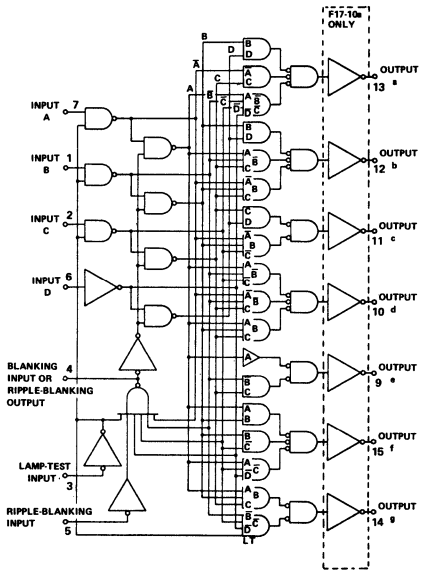
	CKT	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
F17-6	1	6	7	15	14	9	5	10	4	11	3	13	2	13	1
F17-6a	1	37	41	38	39	49	47	50	48	43	45	46	40	42	44
	2	19	23	20	21	31	29	33	30	25	27	28	22	24	26
	3	3	7	4	5	15	13	16	14	9	11	12	6	8	10

F17-9

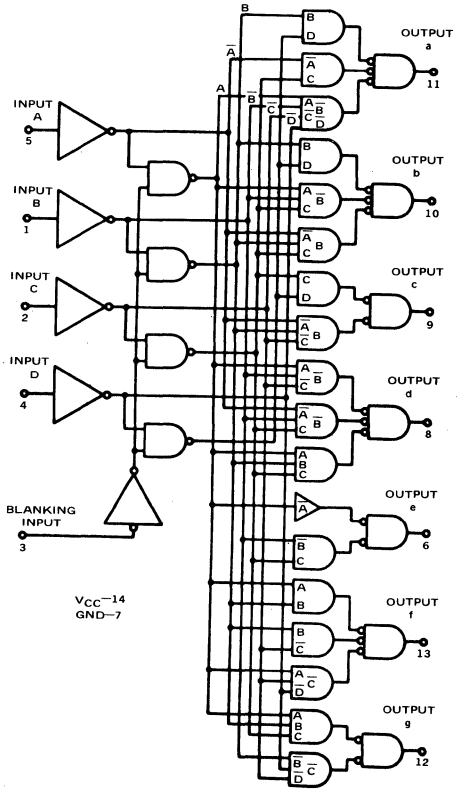




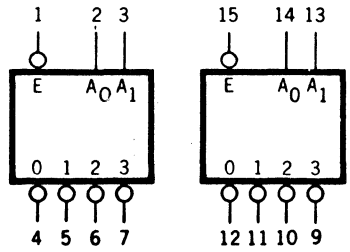
F17-10



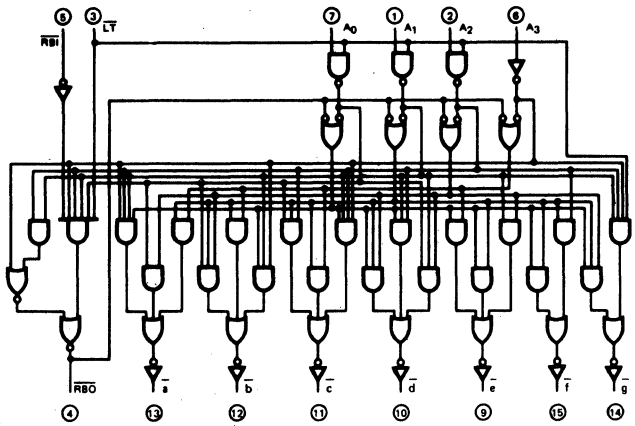
F17-12



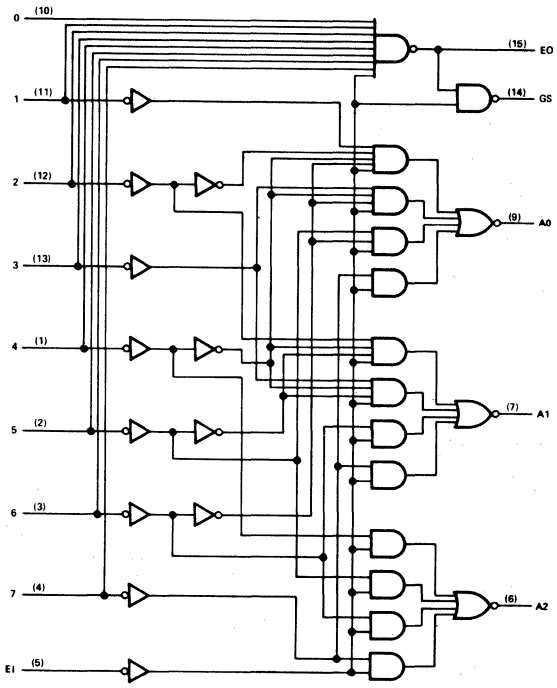
F17-14



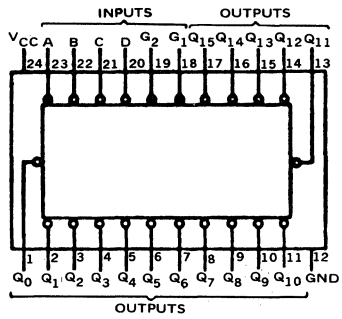
F17-17



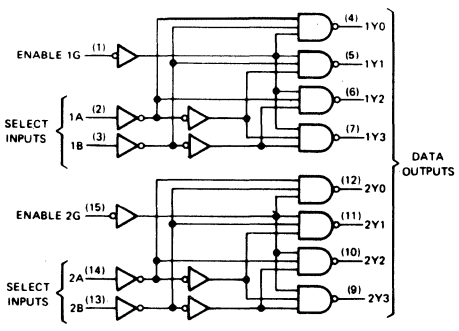
F18-1



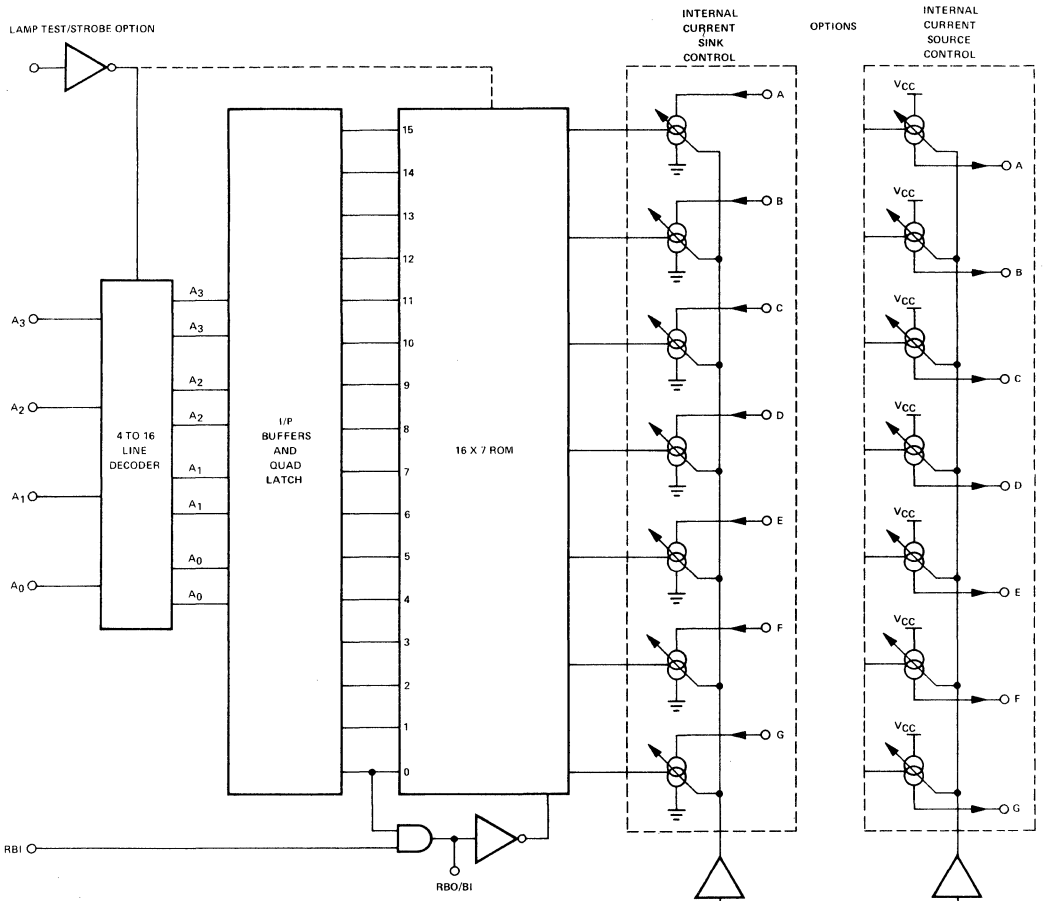
F18-2

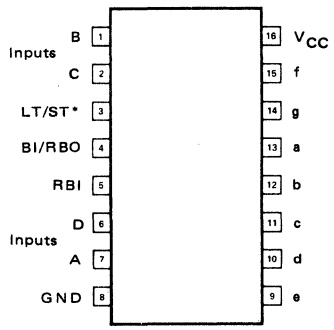


F19-1



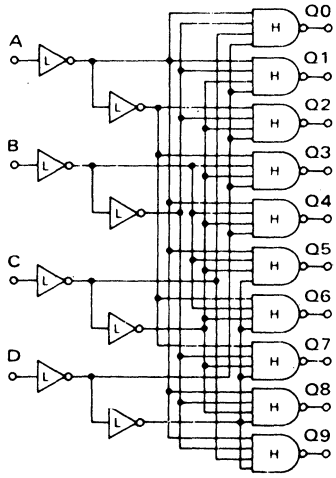
F20-1



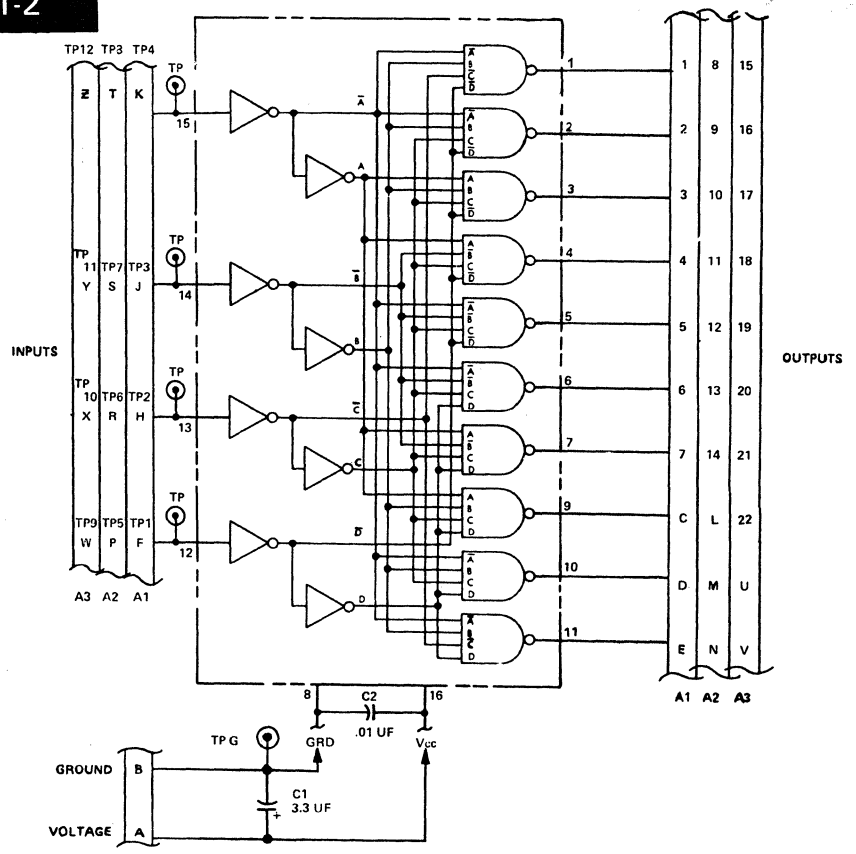


* LT=LAMP TEST(8T50 SERIES ONLY)
ST=LATCH(8T70 SERIES ONLY)

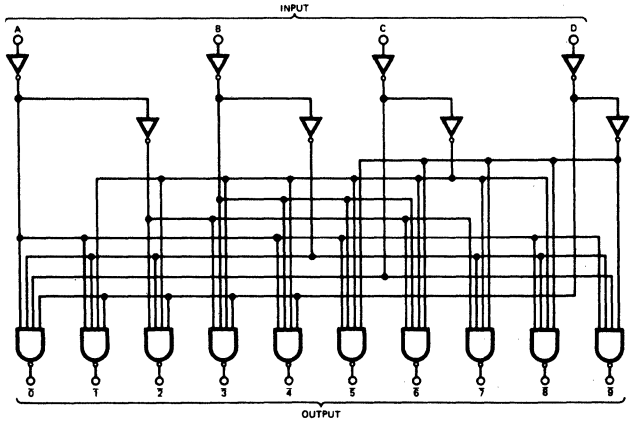
F21-1

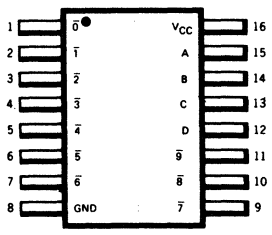


F21-2



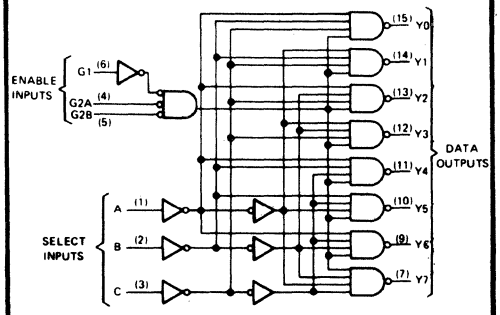
F21-3





	INPUT				OUTPUT										VCC	GND
	A	B	C	D	0	1	2	3	4	5	6	7	8	9		
F21-1	15	14	13	12	1	2	3	4	5	6	7	9	10	11	16	8
F21-1a	15	14	1	2	13	12	11	10	9	3	4	5	6	7	16	8

F23-1



G01-3

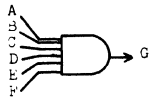


FIGURE A
COMMON ANODE

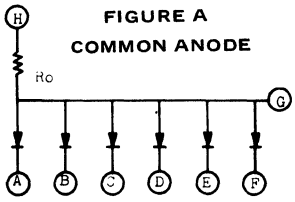
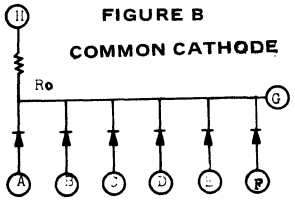
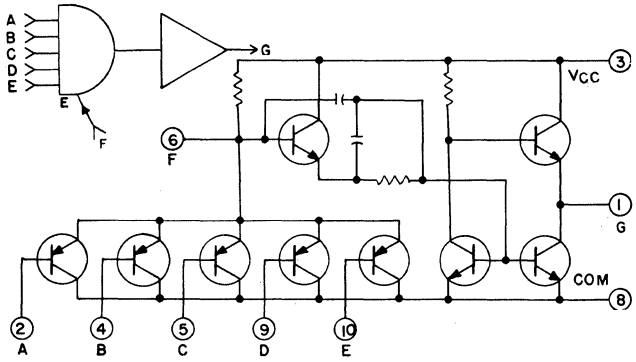


FIGURE B
COMMON CATHODE



	CKT NO	A	B	C	D	E	F	G	VCC	GND	Ro	FIG
G01-3	1	3	4	5	6	7	8	10	2	1	NO	A
G01-3a	1	2	3	4				5	1		YES	B
	2	7	8	9				6	10		YES	B
G01-3b	1	2	3					5	1		YES	B
	2	8	9					6	10		YES	B
G01-3c	1	2	3	4	5			6			NO	B
	2	7	8	9	10			11			NO	B
	3	25	26	27	28			29			NO	B
	4	30	31	32	33			34			NO	B
	5	12	13	14	15			16			YES	B
	6	20	21	22	23			24			YES	B
G01-3g	1	1	3	4				2			YES	A
	2	6	7	5				8			YES	A
G01-3h	1	1	3	5	6	7		2			YES	A
G01-3k	1	7	8	9				5	6	1	YES	A
	2	10	2	3				4	6	1	YES	A
G01-3m	1	5	6	7	8			9	2	1	YES	A
	2	10	11	12	13			14	2	1	YES	A
	3	15	16	17	18			19	2	1	YES	A
G01-3n	1	2	4	6				1,3				
	2	8	10	12				5,7				
	3	14	16	18				11,13				
	4	20	22	24				15,17				
	5	21	26	28				23,25				
	6	27	30	32				24,31				
G01-3p	1	J	7	H				C				
	2	6	5	4				8				
	3	3	F	E				D				
	4	9	10					P				
	5	N	M					K				
	6	14	13					R				
	7	12	11					L				
	8	W	20	5				15				
	9	19	18	17				X				
	10	16	U	T				V				
G01-3q	1	14	1	2				3	4	11		
	2	6	7	8				5	4	11		
	3	9	10	12				13	4	11		
G01-3r	1	1	2	3				4			NO	A
	2	5	6	7				8			NO	A
G01-3s	1	1	13					14			NO	A
	2	10	11	12				2			NO	A
G01-3t	1	4	5					6			NO	A
	2	7	8	9				3			NO	A
G01-3u	1	35	33	31	34			32				
	2	25	23	21	24			22				
	3	14	12	10	13			11				
	4	27	26	30	28			29				
	5	17	16	20	18			19				
	6	6	5	9	7			8				
G01-3v	1	2	3	5	6			4				
	2	9	10	12	13			11				
G01-3w	1	1	3					2				
	2	4	6					5				
	3	8	10					9				
	4	11	13					12				

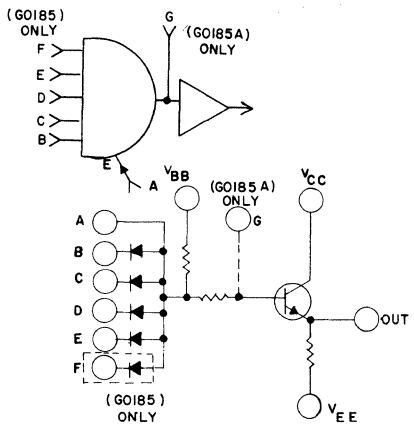
G01-68



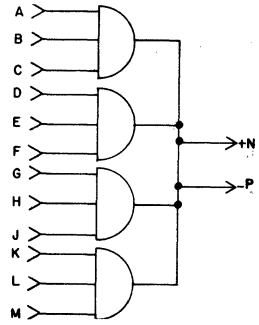
G01-85

PIN CONNECTIONS

	G0185	G0185A		G0185	G0185A
1	V_{EE}	OUT	11	C	V_{EE}
2	—	A	12	B	—
3	—	B	13	A	V_{CC}
4	—	C	14	—	V_{BB}
5	OUT	D	15	—	
6	—	E	16	—	
7	V_{CC}	G	17	V_{BB}	
8	F	—	18	—	
9	E	OUT	19	—	
10	D	—	20	—	

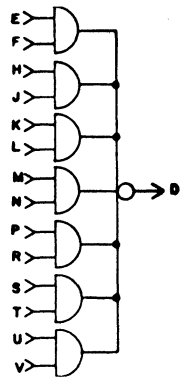


G01-101

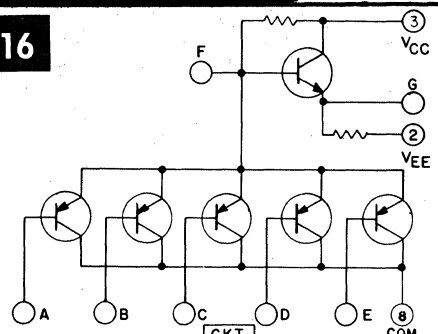


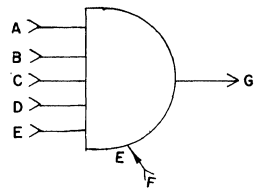
	CKT NO	A	B	C	D	E	F	G	H	J	K	L	M	N	P
G01101	1	X	W	V	S	T	U	R	P	N	K	L	M	E	F
G01101A	2	V	U	T	S	R	P	N	M	L	K	J	H	E	D

G01-104



G01-116

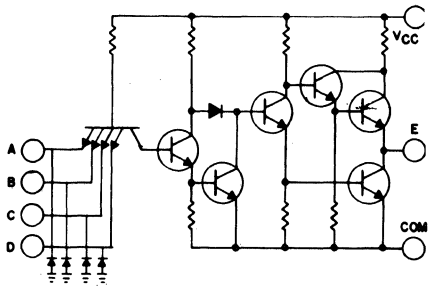


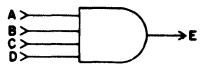


	CKT NO	A	B	C	D	E	F	G	VCC	VEE	COM
G01116	1	1	4	5	9	10	6	7	3	2	8
G01116A	1	1	6	NC	NC	NC	NC	7	3	2	8
	2	4	5	10	NC	NC	NC	9	3	2	8
G01116B	1	4	5	6	7	10	1	2	8	9	3

G01-153

INPUT CLAMPING DIODES FOR US 54 AND 74 TYPES ONLY

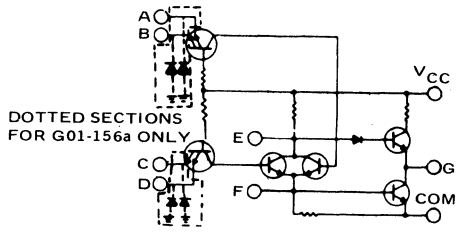




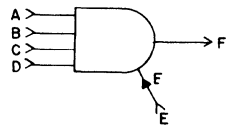
	PKG	CKT NO	A	B	C	D	E	VCC	COM
G01-153	FP	1	14	13	12	1	2	4	11
		2	6	7	8	9	10		
	MP	1	9	10	12	13	8	14	7
		3	1	2	4	5	6		
G01-153a	FP	1	1	2	14		3	4	11
		2	6	7	8		5		
		3	9	10	12		13		
	MP	1	1	2	13		12	14	7
		2	3	4	5		6		
		3	9	10	11		8		
G01-153b	MP	1	1	2			3	14	7
		2	4	5			6		
		3	13	12			11		
		4	10	9			8		
	FP	1	1	2			3	4	11
		2	12	13			14		
		3	6	7			5		
		4	9	10			8		

G01-156

	PKG	CKT NO.	A	B	C	D	E	F	G	VCC	COM
G01-156		1	5	6	9	11	8	7	12	4	10
		2	1	4	2	3	NC	NC	13		
G01-156a	FP	1	3	5	13	14	2	1	12	4	11
		2	6	7	8	9	NC	NC	10		
	M	1	1	12	10	9	12	11	8	14	7
		2	2	3	4	5	NC	NC	6		

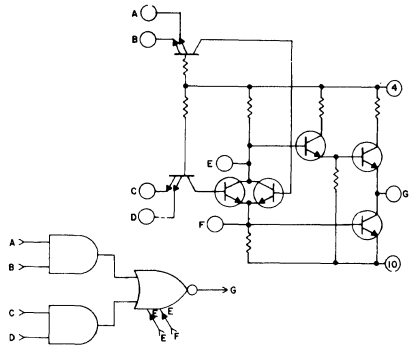


G01-157

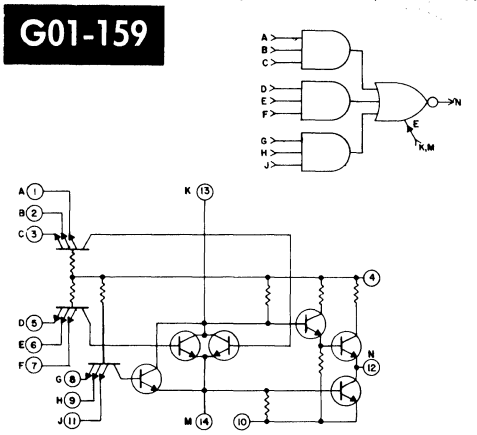


CKT. NO	A	B	C	D	E	F
1	14	1	2	3	13	12
2	5	6	7	8	9	11

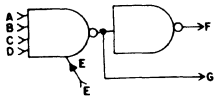
G01-158



G01-159

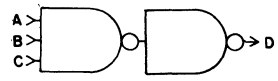


G01-160



	CKT. NO	A	B	C	D	E	F	G
G01-160	1	3	D	4	E	5	12	C
	2	6	F	H	8	7	11	J
	3	K	9	10	M	L	22	
	4	N	13	14	R	P	Z	
	5	S	16	17	U	T	18	15
	6	V	W	X	21	20	19	Y
G01-160a	1	C	D				6	E
	2	3	4				7	5
	3	12	13				H	11
	4	14	15				F	8
	5	16	17				10	
	6	18	19				9	
	7	J	K				20	
	8	L	M				T	
	9	N	P				U	
	10	R	S				V	
	11	X	Y				21	
	12	Z	22				W	
G01-160b	1	15	14					12
	2	8	9					10
	3	16	1					2
	4	6	5				4	3
G01-160c	1	3	4				7	6
	2	2	1				8	9

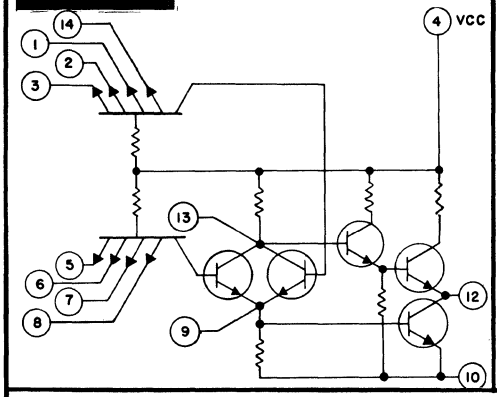
G01-161



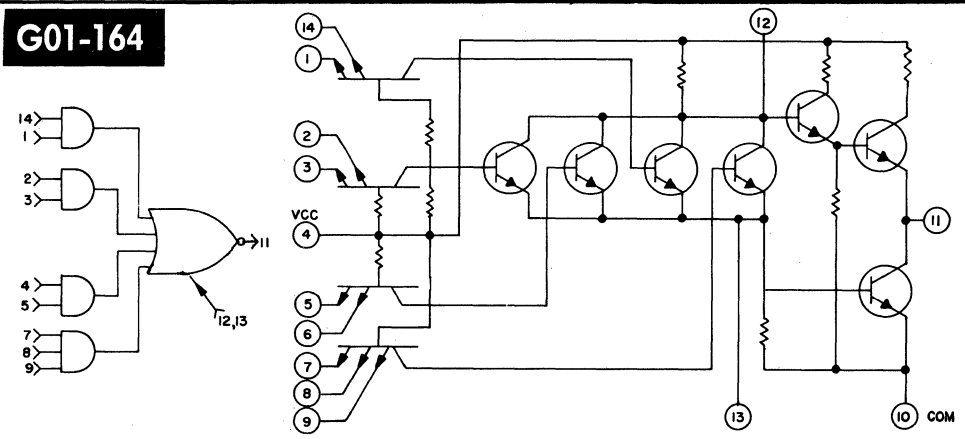
CKT NO	A	B	C	D
1	C	D	E	6
2	9	10	11	H
3	12	13	3	F
4	15	16	17	7
5	M	N	14	8
6	J	K	L	18
7	R	S	T	V
8	20	Y	21	W
9	Z	22	P	U

CKT. NO	A	B
1	5	4
2	19	X

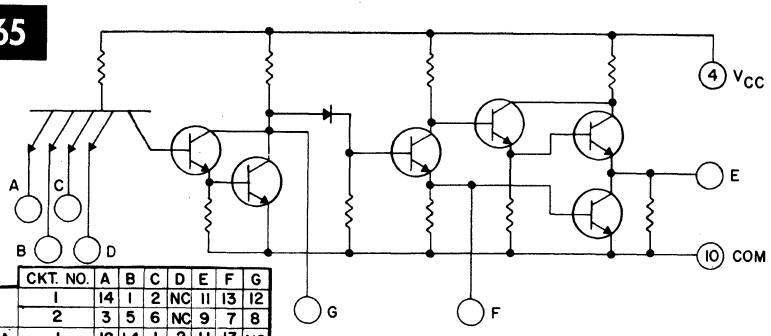
G01-163



G01-164



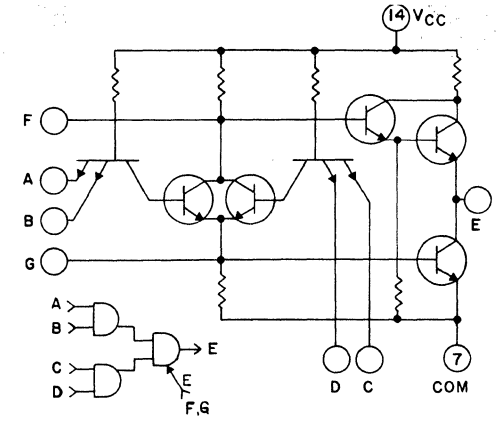
G01-165



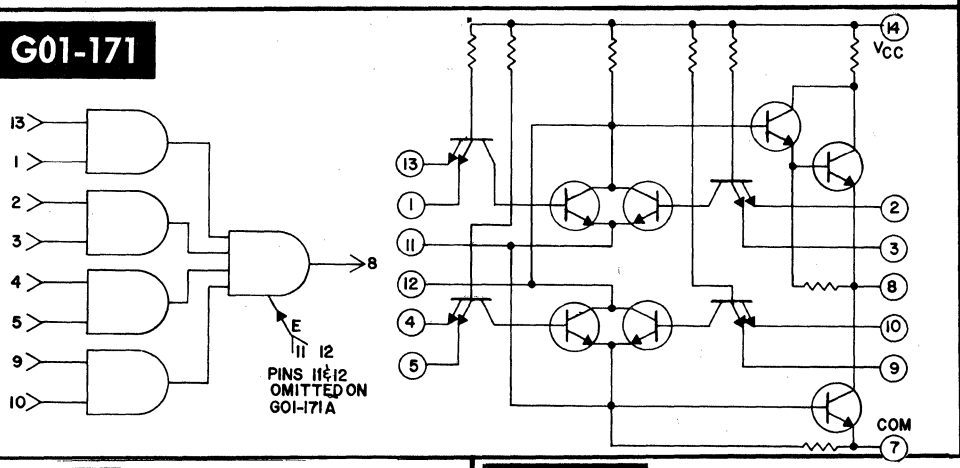
	CKT. NO.	A	B	C	D	E	F	G
G01-165	1	14	1	2	NC	11	13	12
	2	3	5	6	NC	9	7	8
G01-165 A	1	12	14	1	2	11	13	NC
	2	3	5	6	8	9	7	NC
G01-165 B	1	14	1	2	3	12	NC	13
	2	5	6	7	8	11	NC	9
G01-165 C	1	5	6	7	8	11	12	9

G01-170

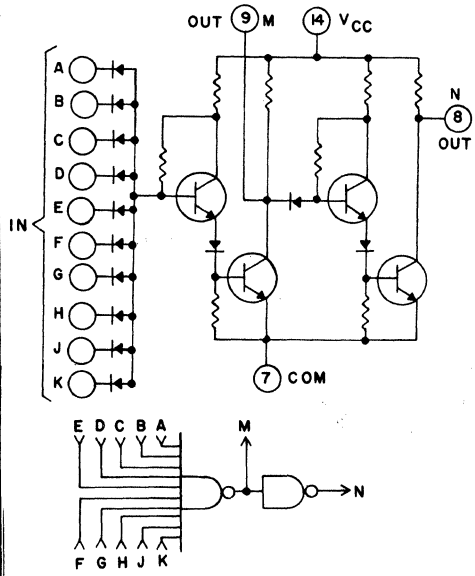
	CKT NO	A	B	C	D	E	F	G	VCC	COM
G01-170	1	1	13	10	9	8	12	11	14	7
	2	2	3	4	5	6				
G01-170a	1	1	13	10	9	8			14	7
	2	2	3	4	5	6				
G01-170b	1	3	5	13	14	12	1	2	4	11
	2	6	7	8	9	10				



G01-171



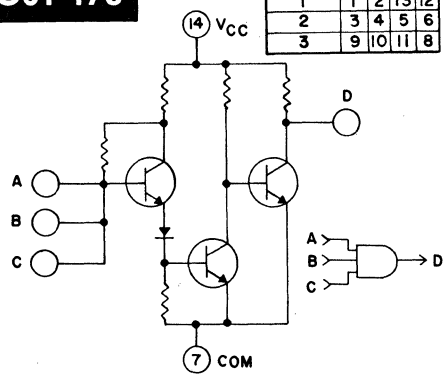
G01-172



	CKT. NO.	A	B	C	D	E	F	G	H	J	K	M	N
G01-172	1	10	11	12	13	1	2	3	4	5	6	9	8
G01-172A	1	1	2	3	4							5	6
	2	13	12	11	10							9	8

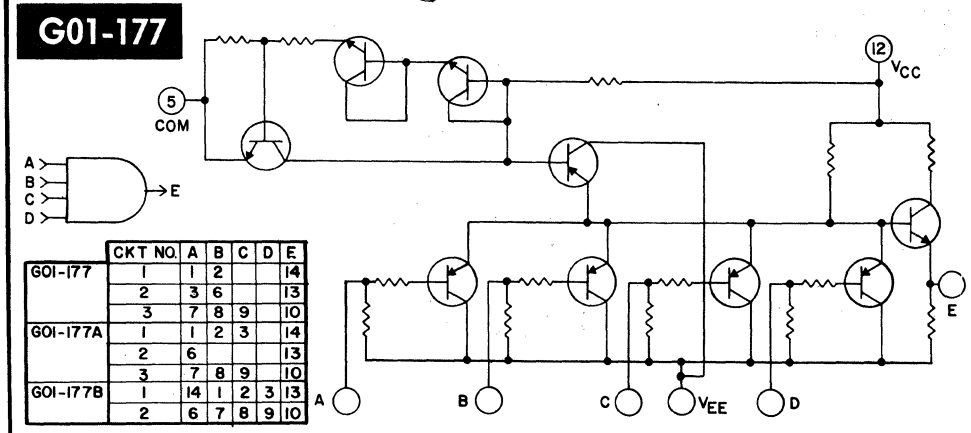
G01-173

CKT.NO	A	B	C	D
1	1	2	13	12
2	3	4	5	6
3	9	10	11	8

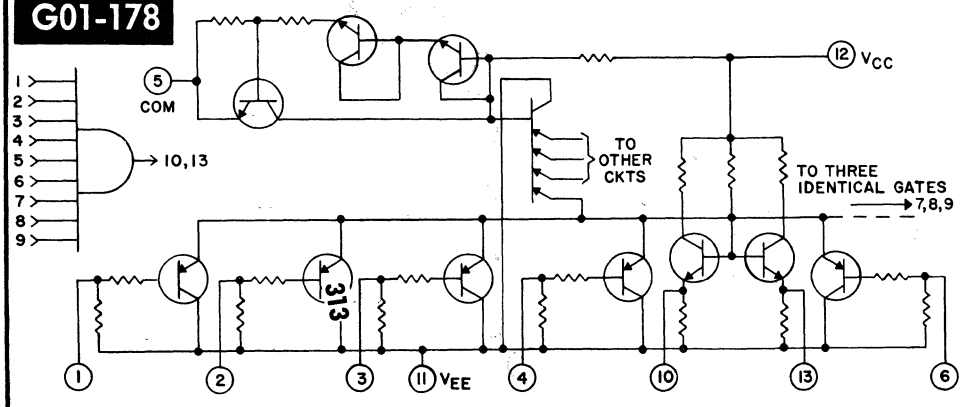


G01-177

	CKT NO.	A	B	C	D	E
G01-177	1	1	2			14
	2	3	6			13
	3	7	8	9		10
G01-177A	1	1	2	3		14
	2	6				13
	3	7	8	9		10
G01-177B	1	14	1	2	3	13
	2	6	7	8	9	10

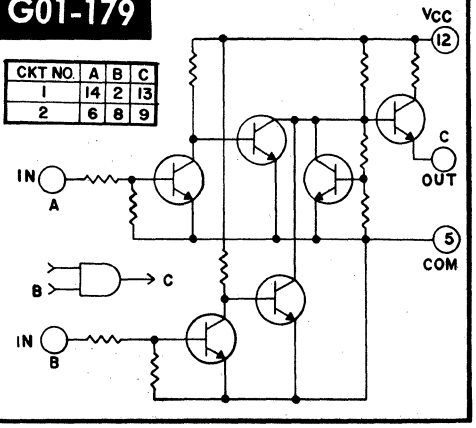


G01-178



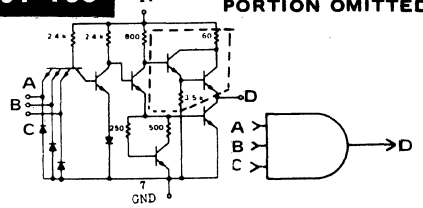
G01-179

CKT NO.	A	B	C
1	14	2	13
2	6	8	9



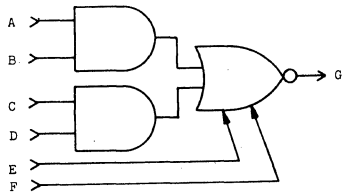
G01-183

G01-183c — DOTTED IN PORTION OMITTED



	PKG	CKT	A	B	C	D	GND	VCC
G01-183		1	1	2		3	7	14
		2	4	5		6		
		3	9	10		8		
		4	12	13		11		
G01-183a, c	FF, M	1	1	2	13	12	7	14
		2	3	4	5	9		
		3	9	10	11	8		
G01-183b	M	1	1	2	NC	3	7	14
		2	4	5	NC	6		
		3	9	10	NC	8		
		4	12	13	NC	11		
	FF	1	1	2	NC	3	11	4
		2	6	7	NC	5		
		3	9	10	NC	8		
		4	12	13	NC	14		

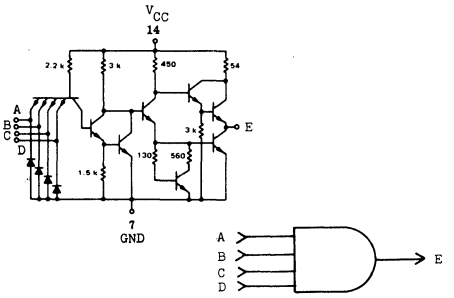
G01-184



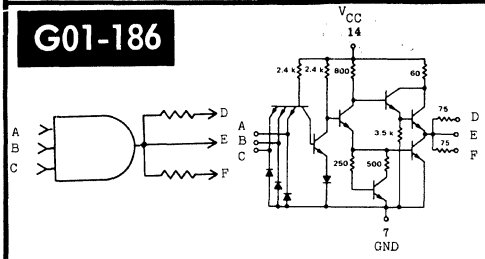
	CKT	A	B	C	D	E	F	G
G01-184	1	9	10	13	1	11	12	8
	2	2	3	4	5			6

G01-185

	CKT	A	B	C	D	E
G01-185	1	1	2	4	5	6
	2	9	10	12	13	8

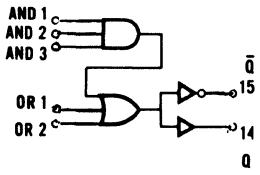


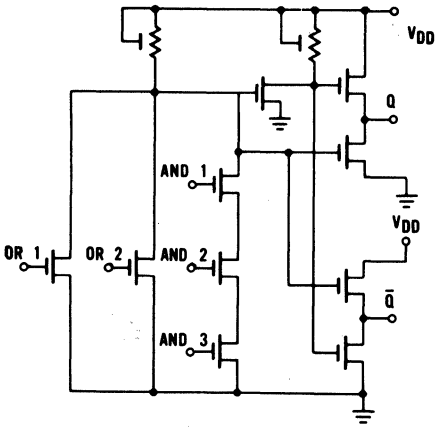
G01-186



	CKT	A	B	C	D	E	F
G01-186	1	1	2	3	5	6	4
	2	11	12	13	9	8	10

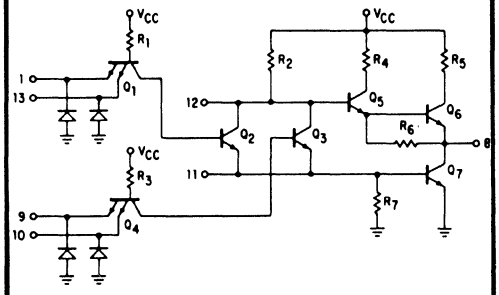
G01-187



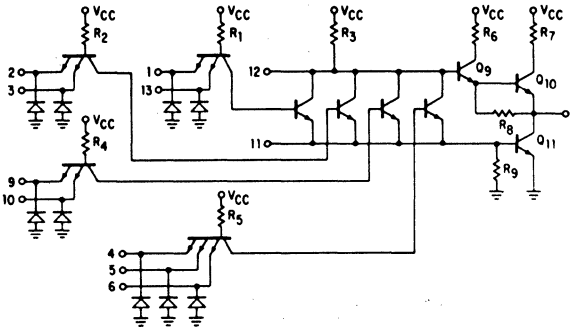


	CKT	AND_1	AND_2	AND_3	OR_1	OR_2	$\bar{Q}$	Q	COM	V_{DD}
G01-187	1	3	4	5	6	7	1	2	8	16
	2	13	12	11	10	9	15	14		

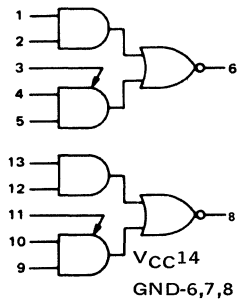
G01-188



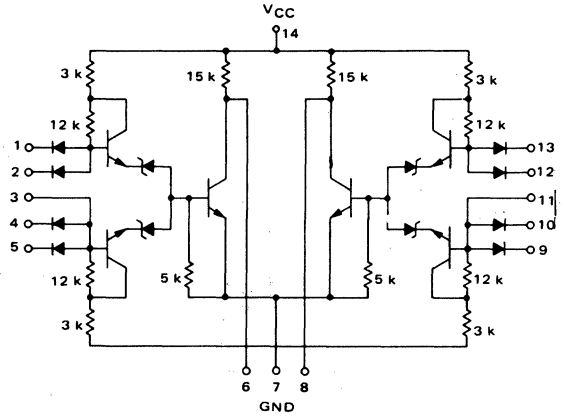
G01-190



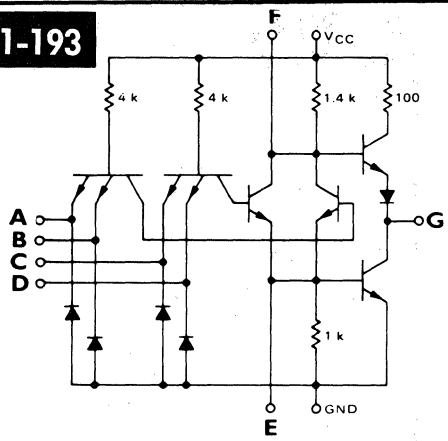
G01-191



G01-192

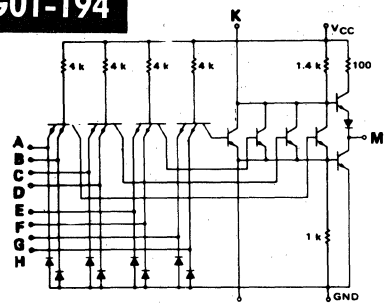


G01-193



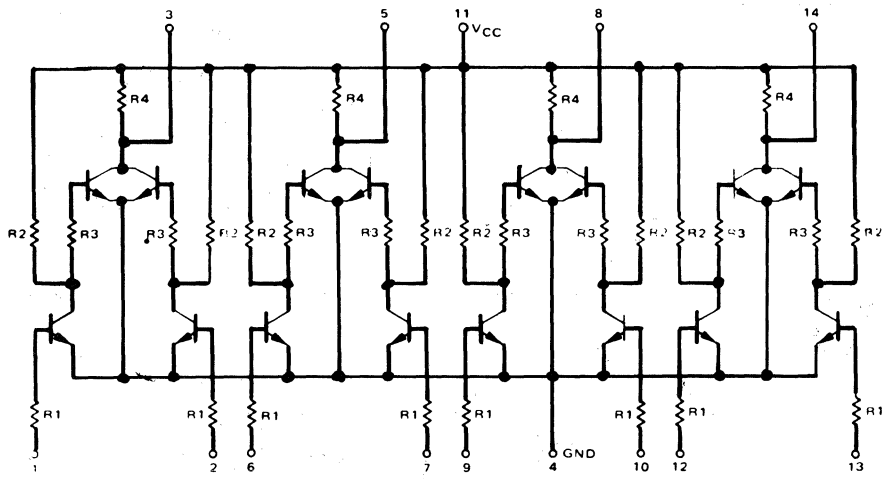
	CKT	A	B	C	D	E	F	G	VCC	GND
G01193	1	13	14	3	5	1	2	12	4	11
	2	8	9	6	7			10		
G01193a	1	13	1	9	10	11	12	8	14	7
	2	4	5	2	3			6		
G01193b	1	13	14	3	5			12	4	11
	2	8	9	6	7			10		
G01193c	1	13	1	9	10			8	14	7
	2	4	5	2	3			6		

G01-194



	A	B	C	D	E	F	G	H	J	K	M	VCC	GND
G01194	3	5	6	7	8	9	13	14	1	2	12	4	11
G01194a	13	1	2	3	4	5	9	10	11	12	8	14	7
G01194b	3	5	6	7	8	9	13	14			12	4	11
G01194c	13	1	2	3	4	5	9	10			8	14	7

G01-195



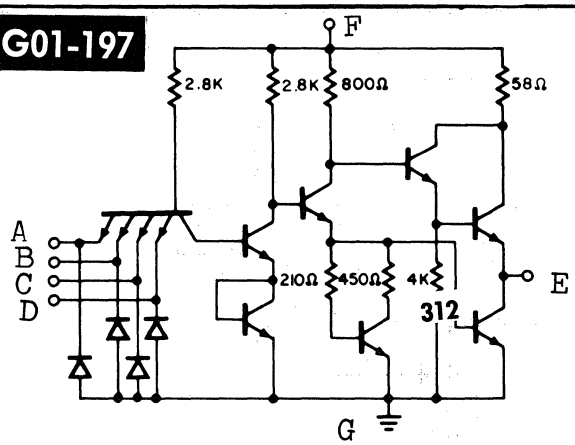
TYPICAL RESISTANCE VALUES

R1 = 450Ω R3 = 1.5 k

R2 = 1.8 k R4 = 640Ω

G01-195a - R2 and R3 NOT APPLICABLE-
THRU CONNECTIONS.

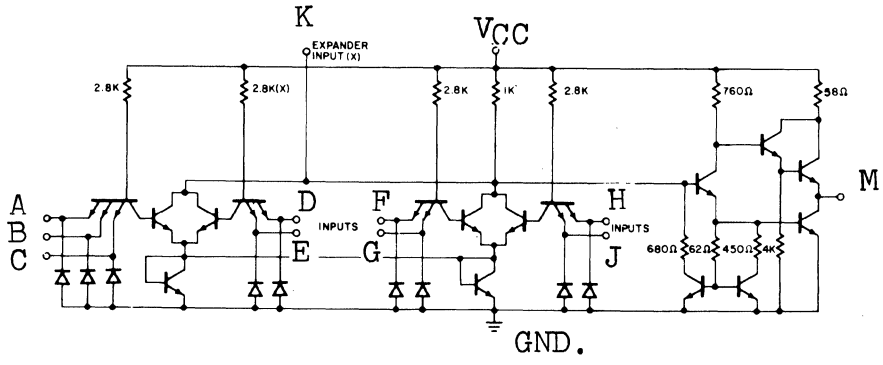
G01-197



	PKG	CKT	A	B	C	D	E	F	G
G01-197	M	1	1	2	13		12	14	7
		2	3	4	5		6	14	7
		3	9	10	11		8	14	7
	FP	1	1	2	14		3	4	11
		2	6	7	8		5	4	11
		3	9	10	12		13	4	11
G01-197a	M	1	1	2	4	5	6	14	7
		2	9	10	12	13	8	14	7
	FP	1	1	12	13	14	2	4	11
		2	6	7	8	9	10	4	11

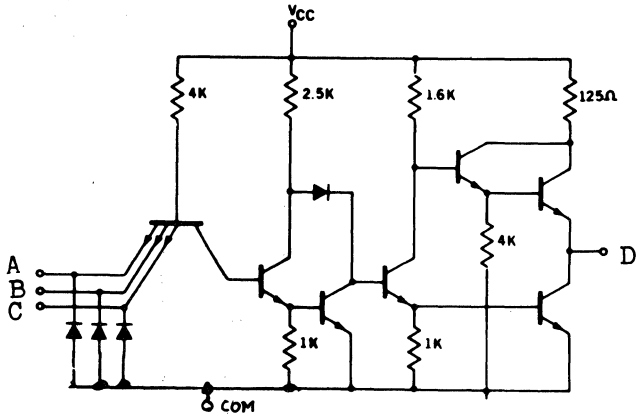
G01-198

	PKG	CKT	A	B	C	D	E	F	G	H	J	K	M	VCC	GND
G01-198	MP	1	3	4	5	1	2	12	13	10	11	9	8	14	7
	FP	1	7	8	9	1	14	2	3	5	6	13	12	4	11

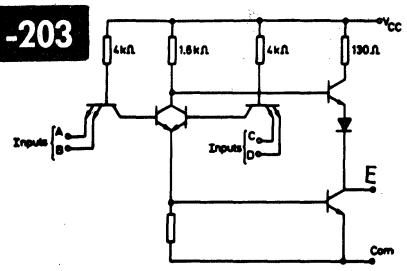


G01-202

	PKG	CKT	A	B	C	D	VCC	COM
G01-202	FP	1	1	2		3	4	11
		2	6	7		5		
		3	9	10		8		
		4	12	13		14		
	MP	1	1	2		3	14	7
		2	4	5		6		
		3	9	10		8		
		4	12	13		11		
G01-202a	FP	1	1	2	14	3	4	11
		2	6	7	8	5		
		3	9	10	12	13		
	MP	1	1	2	13	12	14	7
		2	3	4	5	6		
		3	11	10	9	8		

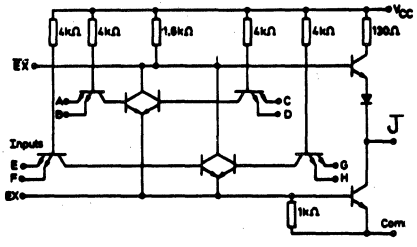


G01-203



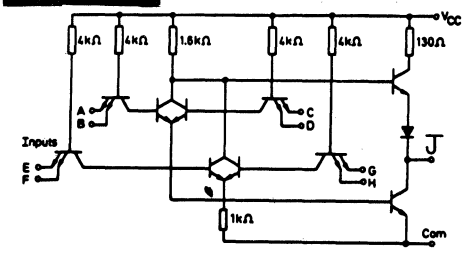
	PKG	CKT NO.	A	B	C	D	E	VCC	COM
G01-203	M	1	2	3	4	5	6	14	7
		2	1	13	10	9	8		
	FP	1	3	5	13	14	12	4	11
		2	6	7	8	9	10		

G01-204



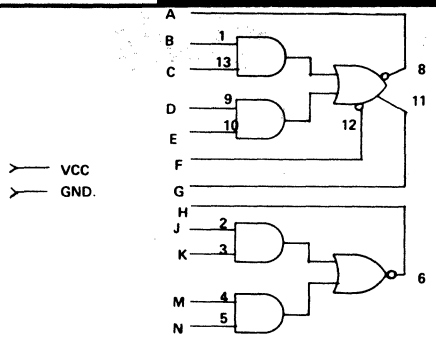
	PKG	A	B	C	D	E	F	G	H	J	EX	EX	VCC	COM
G01-204	M	1	13	2	3	4	5	9	10	8	11	12	14	7
	FP	3	5	6	7	8	9	13	14	12	1	2	4	11

G01-205



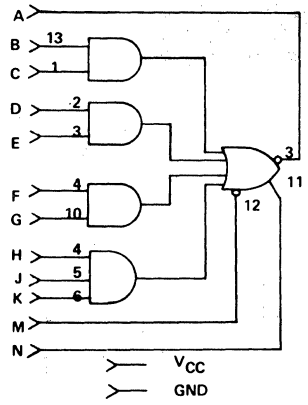
	PKG	A	B	C	D	E	F	G	H	J	VCC	COM
G01-205	MP	1	13	2	3	4	5	9	10	8	14	7
	FP	3	5	6	7	8	9	13	14	12	4	11

G01-206



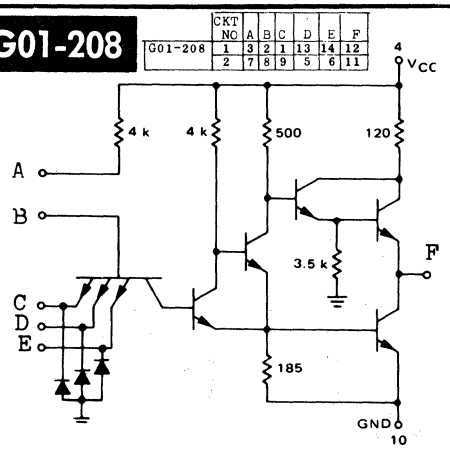
	CKT NO.	A	B	C	D	E	F	G	H	J	K	M	N	VCC	GND
G01-206	1	43	44	45	39	42	40	41	50	46	49	48	47	51	1,52
	2	31	32	33	27	30	28	29	38	34	37	36	35	51	1,52
	3	19	20	21	15	18	16	17	26	22	25	24	23	51	1,52
	4	7	8	9	3	6	4	5	14	10	13	12	11	51	1,52

G01-207



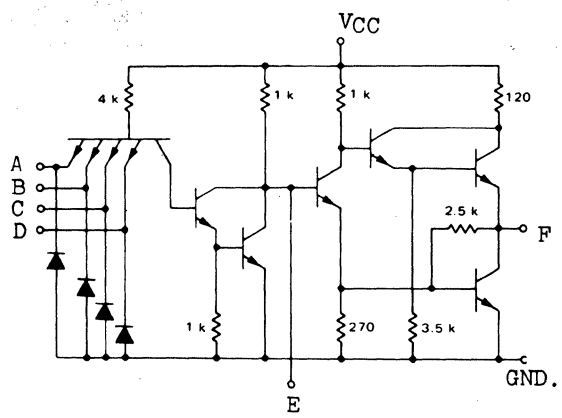
	CKT	A	B	C	D	E	F	G	H	J
G01-207	1	43	45	44	46	49	39	42	48	47
	2	31	33	32	34	37	27	30	36	35
	3	19	21	20	22	25	15	18	24	23
	4	7	9	8	10	13	3	6	12	11

G01-208



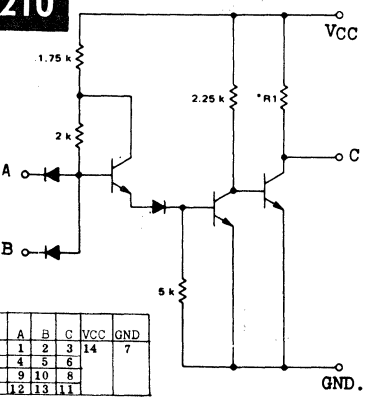
	CKT NO	A	B	C	D	E	F
G01-208	1	3	2	1	13	14	12
	2	7	8	9	5	6	11

G01-209



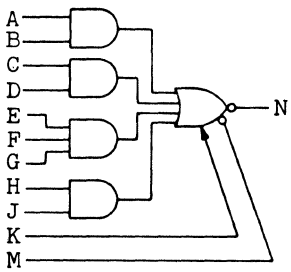
	CKT NO	A	B	C	D	E	F	VCC	GND
G01-209	1	1	2	3	14	13	12	4	10
	2	5	6	7	8	9	11		

G01-210



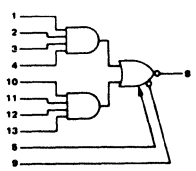
	CKT NO	A	B	C	VCC	GND
G01-210	1	1	2	3	14	7
	2	4	5	6		
	3	9	10	8		
	4	12	13	11		

G01-211



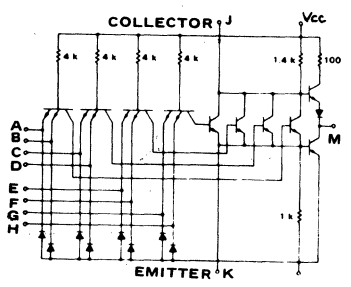
	A	B	C	D	E	F	G	H	J	K	M	N	VCC	GND
G01-211	13	1	2	3	4	5	6	9	10	11	12	8	14	7
G01-211a	13	1	2	3	4	5	6	9	10			8	14	7
G01-211b	3	5	6	7	8	9	10	13	14	1	2	12	4	7

G01-212



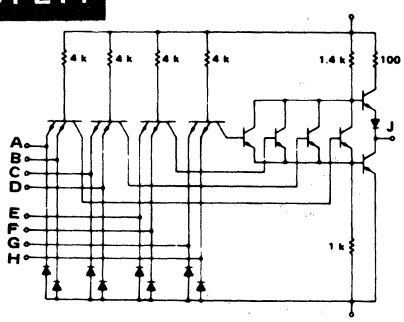
VCC 14
GND 7

G01-213



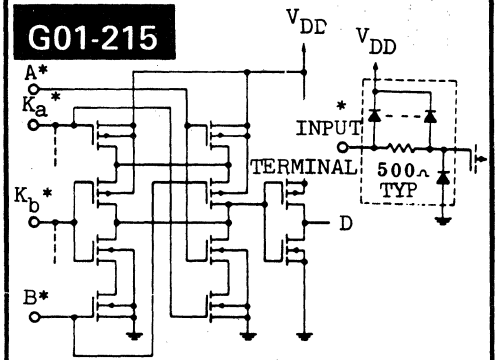
	PKG	A	B	C	D	E	F	G	H	J	K	M	VCC	GND
G01-213		3	5	6	7	8	9	13	14	2	1	12	4	11
G01-213a	FC	2	4	5	6	7	8	12	13	1	14	11	3	10
	FP	3	5	6	7	8	9	13	14	2	1	12	4	11

G01-214



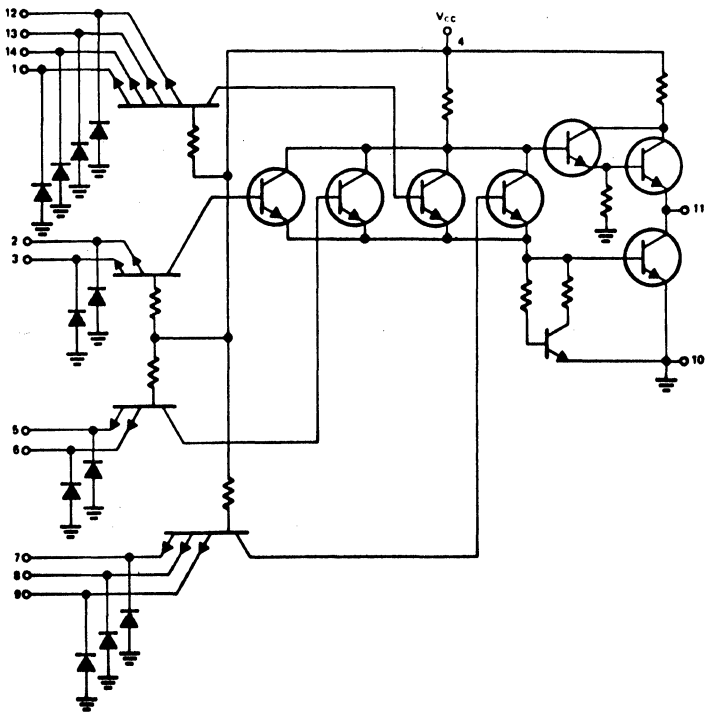
	PKG	A	B	C	D	E	F	G	H	J	VCC	GND
G01-214		3	5	6	7	8	9	13	14	12	4	11
G01-214a	FC	2	4	5	6	7	8	12	13	11	3	10
	FP	3	5	6	7	8	9	13	14	12	4	11

G01-215

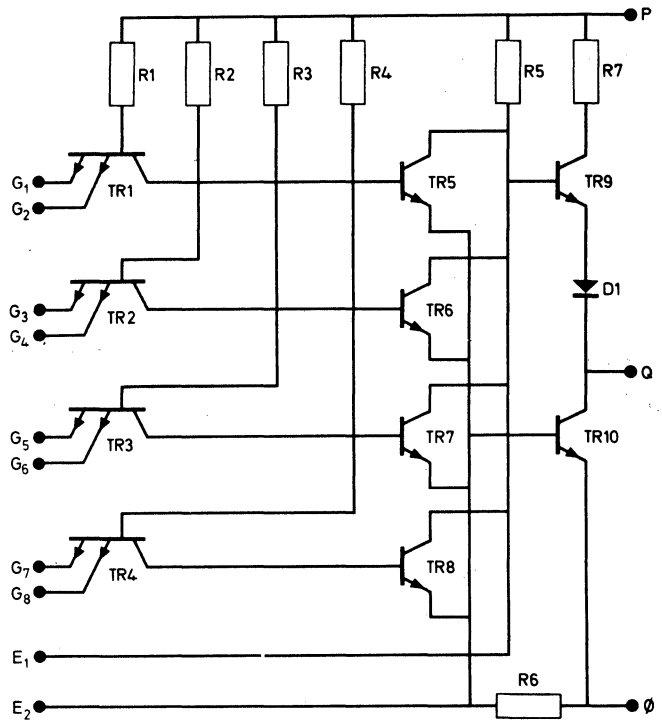


	CKT	A	Ka	Kb	B	D	VDD	GND
G01-215	1	6	9	14	7	10	16	8
	2	4	9	14	5	11	16	8
	3	2	9	14	3	12	16	8
	4	15	9	14	1	13	16	8

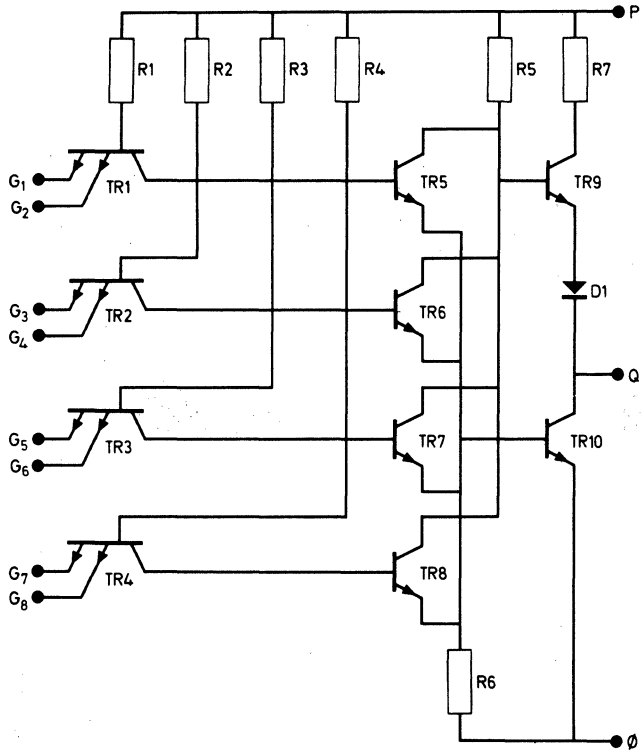
G01-216



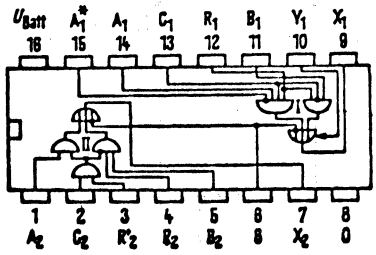
G01-217



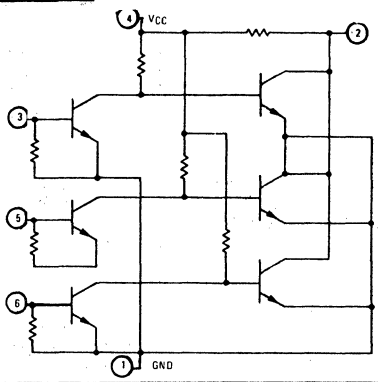
G01-218



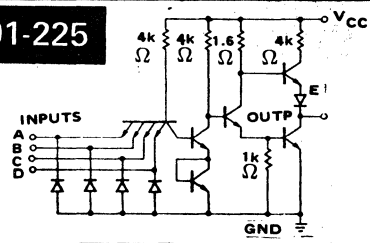
G01-223



G01-224

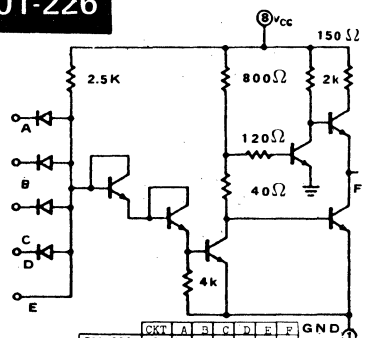


G01-225



	PKG	CKT	A	B	C	D	E	GND	VCC
G01-225	FP	1	12	13	14	1	2	11	4
		2	6	7	8	9	10		
	M	1	9	10	12	13	8	7	14
		2	1	2	4	5	6		
G01-225a	FP	1	14	1	2	NC	3	11	4
		2	6	7	8	NC	5		
		3	9	10	12	NC	13		
	M	1	13	1	2	NC	12	7	14
		2	3	4	5	NC	6		
		3	9	10	11	NC	8		
G01-225b	M, FP	1	1	2			3	7	14
		2	4	5			6		
		3	9	10			8		
		4	12	13			11		

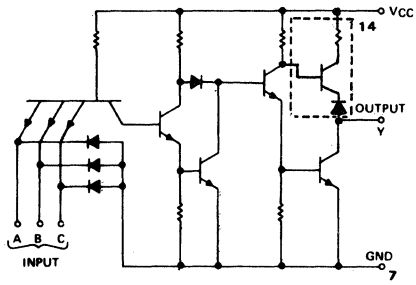
G01-226



	CKT	A	B	C	D	E	F
G01-226	1	10	11	12	13	9	14
	2	3	4	5	6	7	2
G01-226a	1	3	4	NC	NC	NC	2
	2	6	7	NC	NC	NC	5
	3	9	10	NC	NC	NC	11
	4	12	13	NC	NC	NC	14

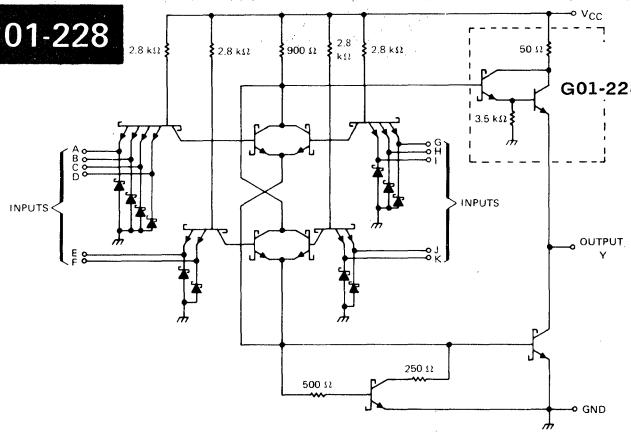
G01-227

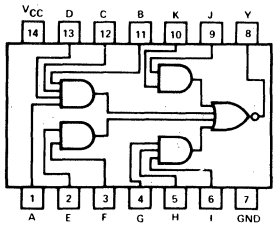
G01-227b — DOTTED IN PORTION ADDED



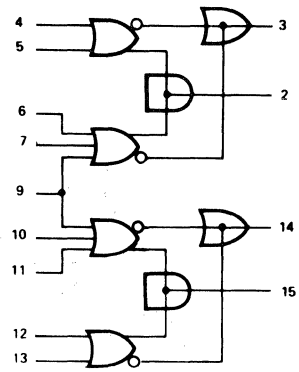
	CKT	A	B	C	Y
G01-227	1	1	2	13	12
	2	3	4	5	6
	3	9	10	11	8
G01-227a,b	1	1	2		3
	2	4	5		6
	3	9	10		8
	4	12	13		11

G01-228

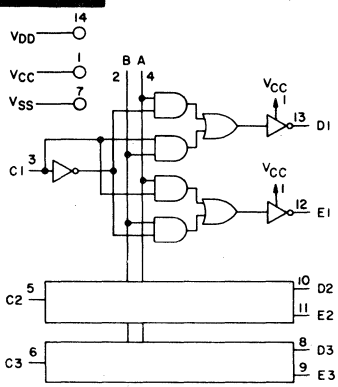




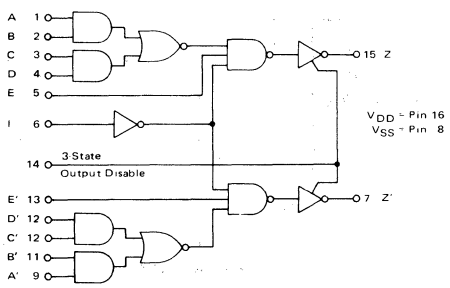
G01-229



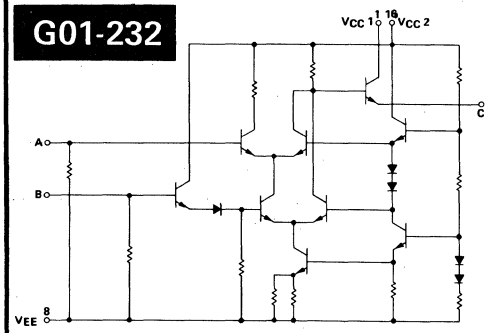
G01-230



G01-231

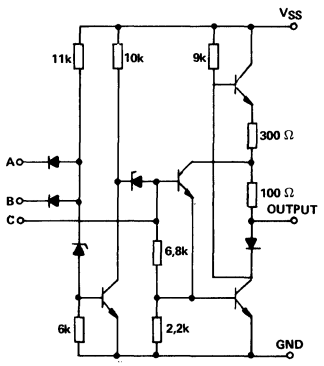


G01-232



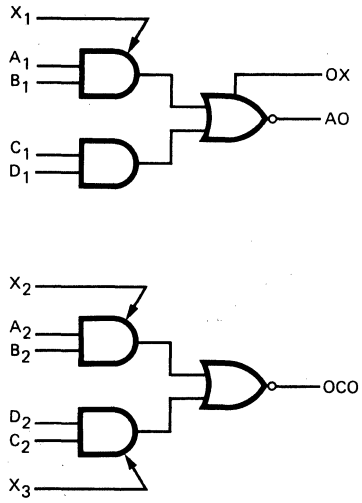
	CKT	A	B	C
G01232	1	4	5	2
	2	6	7	3
	3	10	11	14
	4	12	13	15

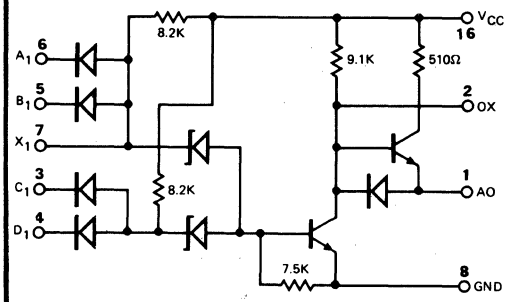
G01-234

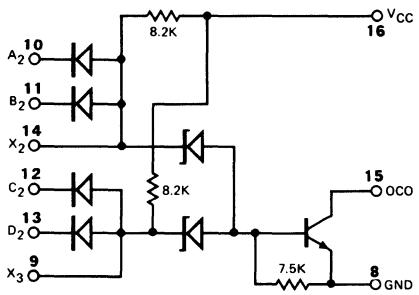


	CKT	A	B	C	OUTPUT	VSS	GND
G01-234	1	2	3	1	4	16	8
	2	5	6		7		
	3	10	11		9		
	4	13	14	15	12		

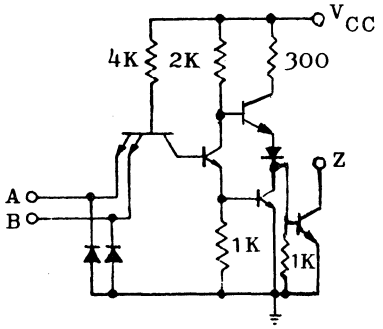
G01-235

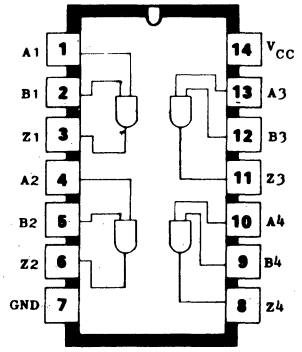




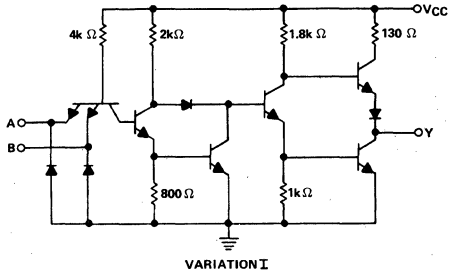


G01-236



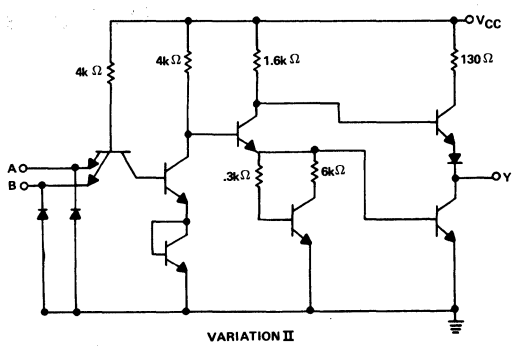


G01-237



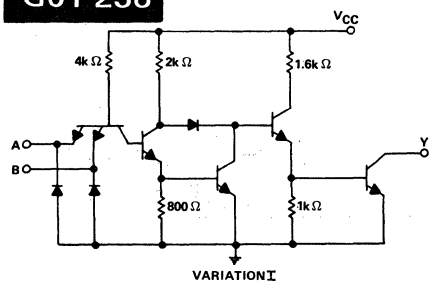
VARIATION I

	CKT	A	B	Y	VCC	GND
G01-237	1	1	2	3	14	7
	2	4	5	6		
	3	9	10	8		
	4	12	13	11		

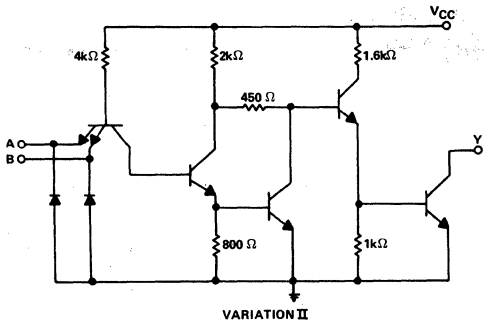


VARIATION II

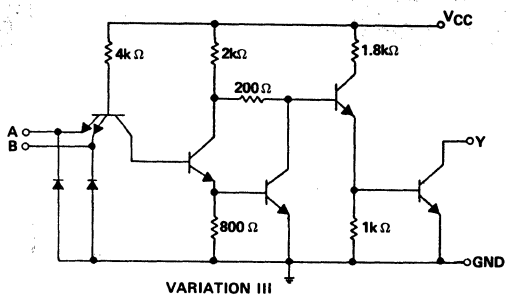
G01-238



VARIATION I



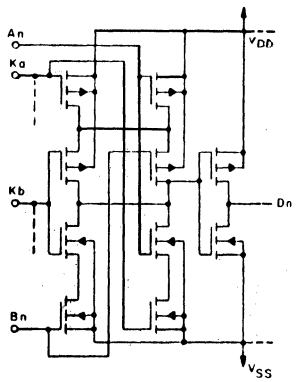
VARIATION II

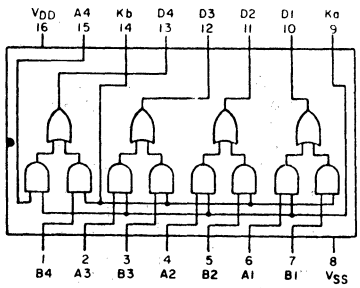


VARIATION III

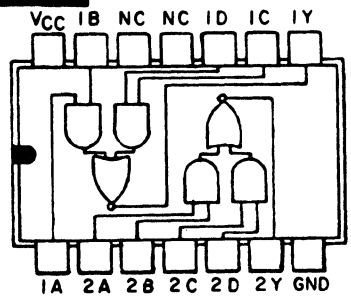
	CKT	A	B	Y	VCC	GND
G01-238	1	1	2	3	14	7
	2	4	5	6		
	3	9	10	8		
	4	12	13	11		

G01-239



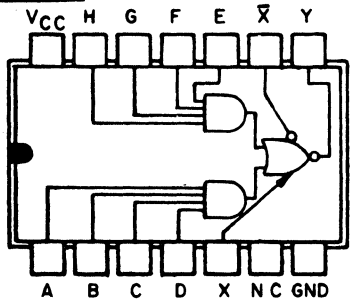


G01-240



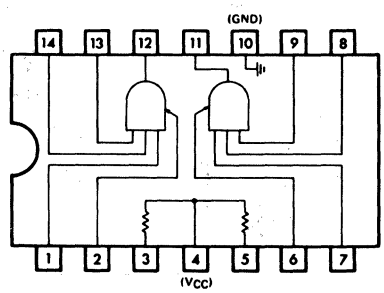
	CKT	A	B	C	D	Y	VCC	GND
G01-240	1	1	12	9	10		14	7
	2	2	3	4	5	6		
G01-240a	1	3	5	13	14	12	4	11
	2	6	7	8	9	10		

G01-241

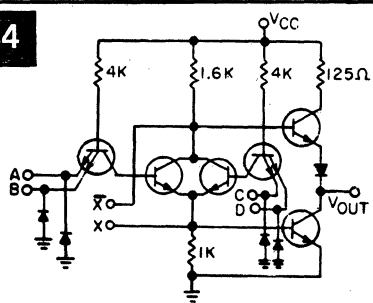


	A	B	C	D	E	F	G	H	X	X̄	Y	VCC	GND
G01-241	1	2	3	4	10	11	12	13	5	9	8	14	7
G01-241a	1	2	3	14	5	6	7	8	9	13	12	4	11

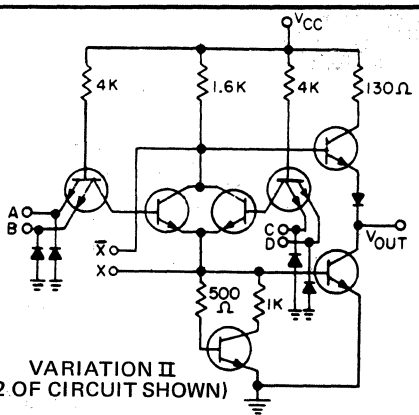
G01-243



G01-244



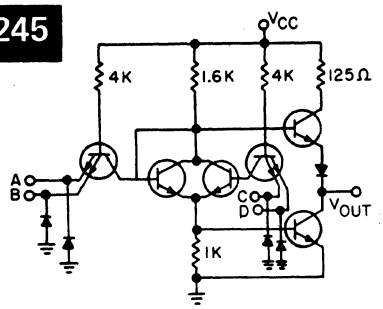
VARIATION I
(1/2 OF CIRCUIT SHOWN)



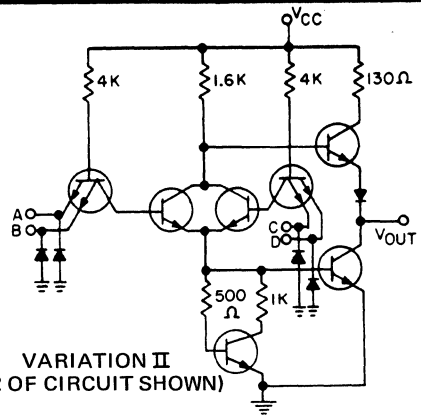
VARIATION II
(1/2 OF CIRCUIT SHOWN)

	PKG	CKT	A	B	C	D	X	X̄	VOUT	VCC	GND
G01-244	FP	1	3	5	13	14	1	2	12	4	11
		2	6	7	8	9			10		
	M'	1	1	13	9	10	11	12	8	14	7
		2	2	3	4	5			6		

G01-245



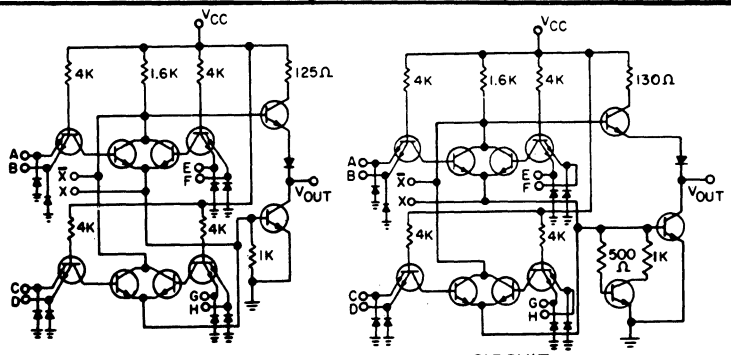
VARIATION I
(1/2 OF CIRCUIT SHOWN)



VARIATION II
(1/2 OF CIRCUIT SHOWN)

	PKG	CKT	A	B	C	D	VOUT	VCC	GND
G01-245	FP	1	3	5	13	14	12	4	11
		2	6	7	8	9	10		
	MP	1	1	13	9	10	8	14	7
		2	2	3	4	5	6		

G01-246

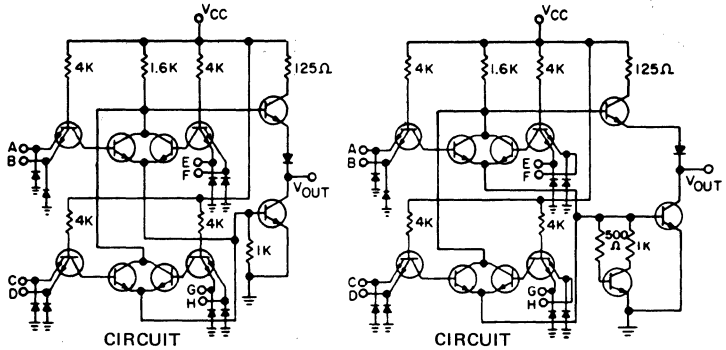


CIRCUIT VARIATION I

CIRCUIT VARIATION II

	PKG	A	B	C	D	E	F	G	H	X	X	VOUT	VCC	GND
G01-246	FP	3	5	6	7	8	9	13	14	1	2	12	4	11
	MP	1	13	2	3	4	5	9	10	11	12	8	14	7

G01-247

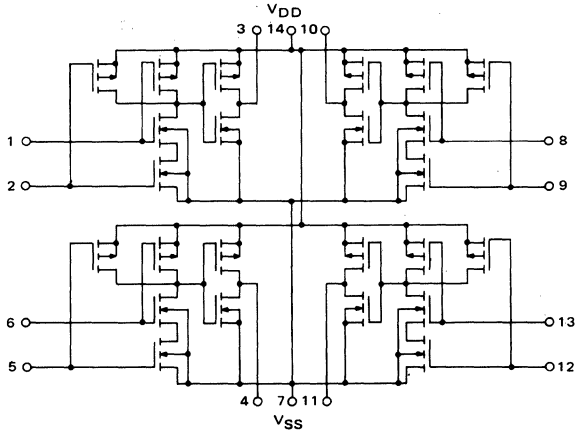


CIRCUIT VARIATION I

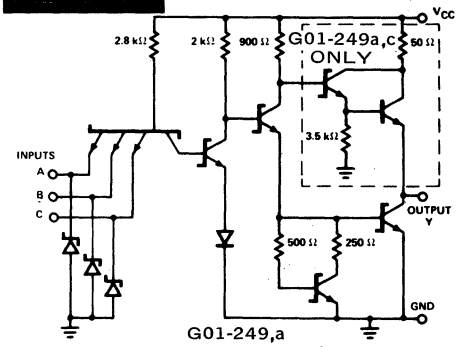
CIRCUIT VARIATION II

	PKG	A	B	C	D	E	F	G	H	VOUT	VCC	GND
G01-247	FP	3	5	6	7	8	9	13	14	12	4	11
	MP	1	13	2	3	4	5	9	10	8	14	7

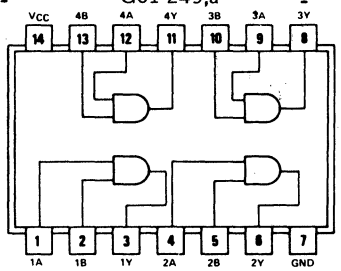
G01-248



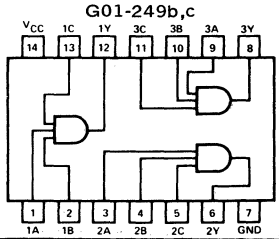
G01-249



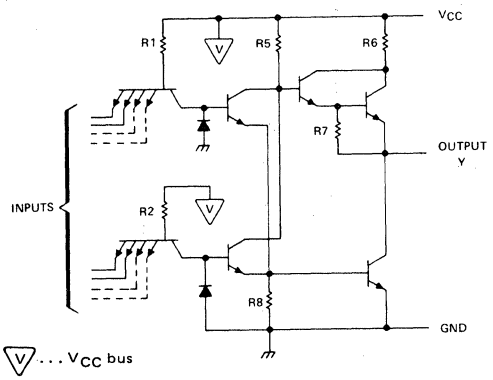
G01-249,a



G01-249b,c

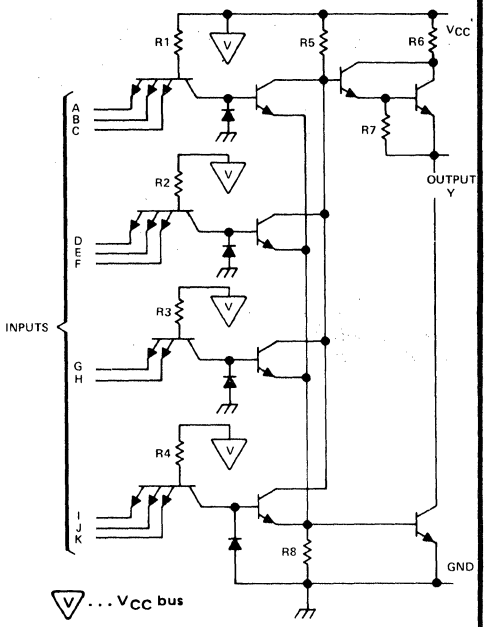


G01-250



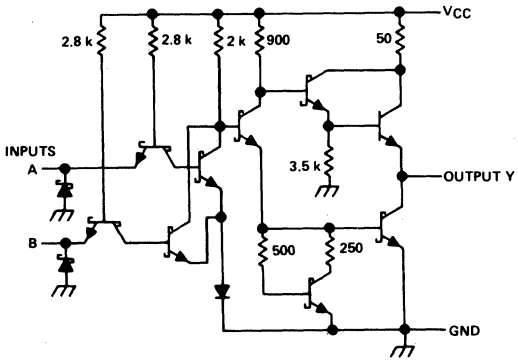
	CKT	A	B	C	D	E	F	G	H	Y
G01-250	1	1	13	14	2	3	5			12
	2	6	7	8	9					10
G01-250a	1	1	2	3	14	5	6	7	8	12
G01-250b	1	1	2	3	13	14				12
	2	5	6	7	8	9				10

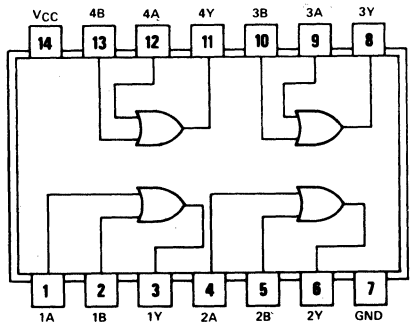
G01-251



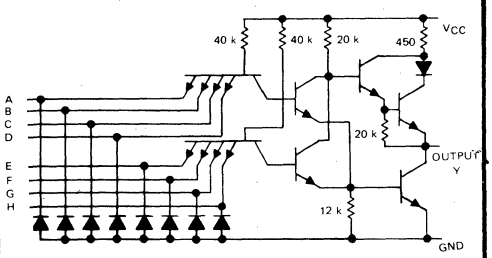
	CKT	A	B	C	D	E	F	G	H	I	J	K	Y
G01-251	1	1	13	14	2	3	5	6	7	8	9	10	12

G01-253

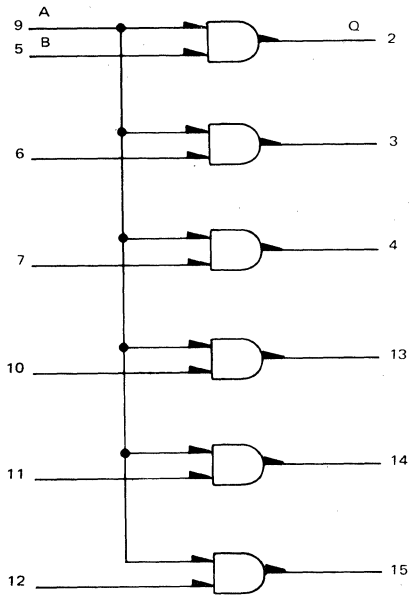




G01-254

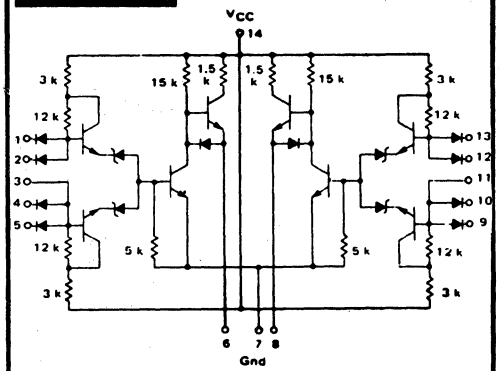


G01-256

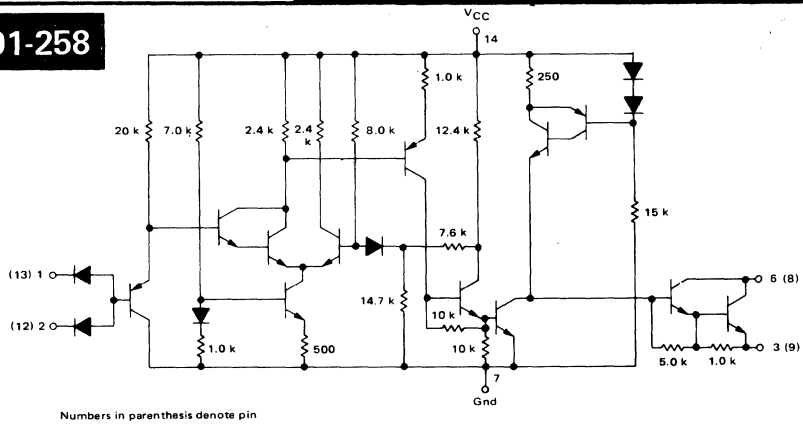


VCC1 = Pin 1
VCC2 = Pin 16
VEE = Pin 8

G01-257

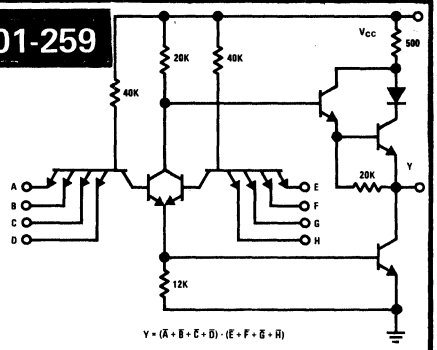


G01-258



Numbers in parenthesis denote pin numbers for other half of the device.

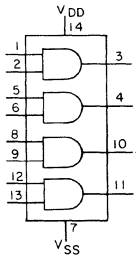
G01-259



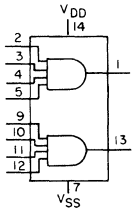
$Y = (\bar{A}+\bar{B}+\bar{C}+\bar{D})\cdot(\bar{E}+\bar{F}+\bar{G}+\bar{H})$

	PKG	CKT NO.	A	B	C	D	E	F	G	H	Y	VCC	GND
G01-259	M	1	1	13	12		9	10	11		8	14	7
		2	2	3			4	5			6		
	FP	1	1	14	13		2	3	5		12	4	11
		2	6	7			8	9			10		
G01-259a	M	1	1	2	3	4		11	12	13	8	14	7
	FP	1	14	1	2	3	5	6	7	8	12	4	11

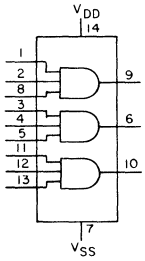
G01-260



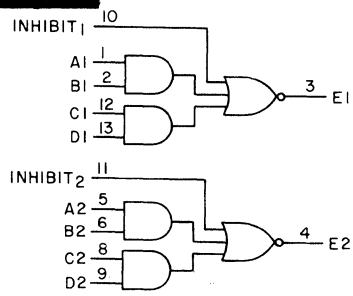
G01-261



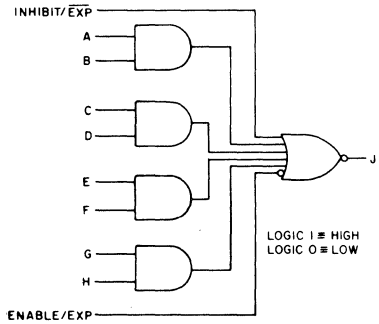
G01-262



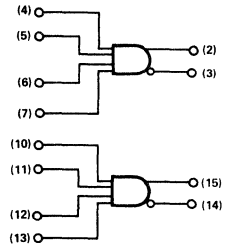
G01-263



G01-264



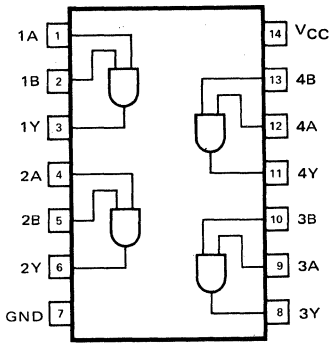
G01-265



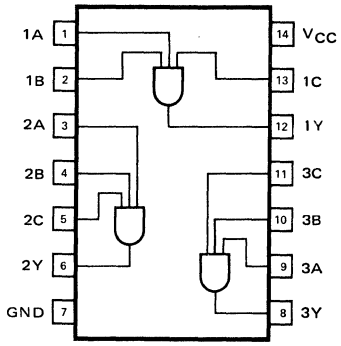
$V_{CC1} = 1$, $V_{CC2} = 16$, $V_{EE} = 8$

POSITIVE LOGIC: HIGH LEVEL "1"

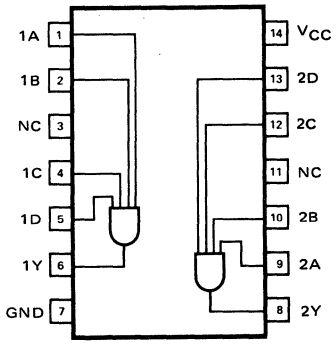
G01-266



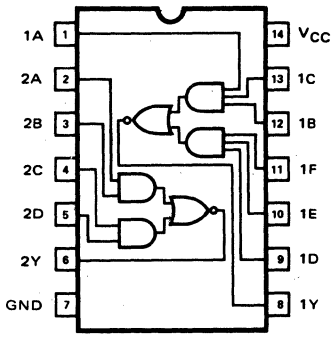
G01-267



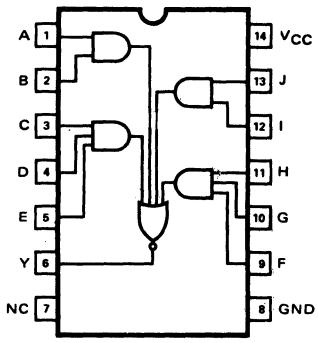
G01-268



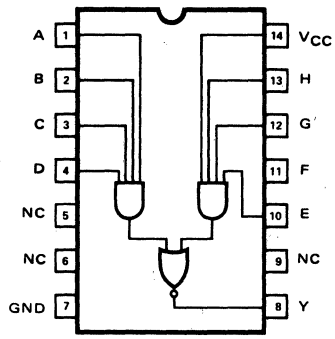
G01-269



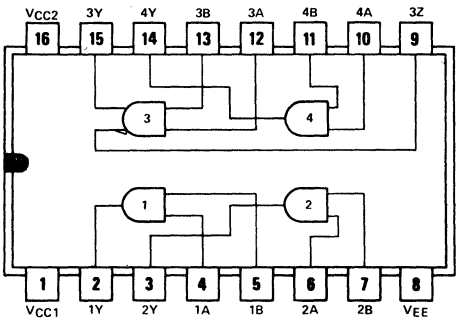
G01-270



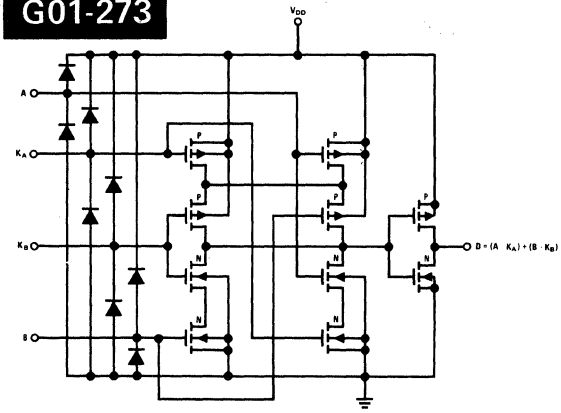
G01-271

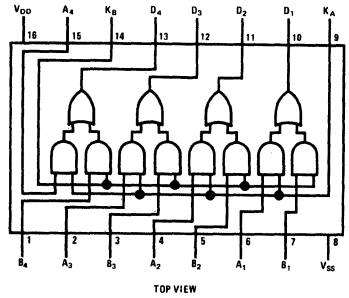


G01-272

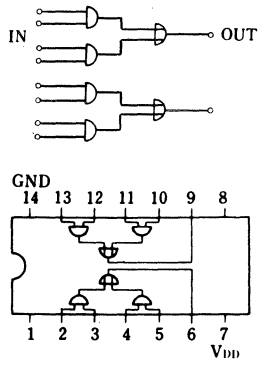


G01-273

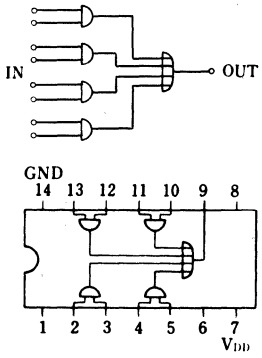




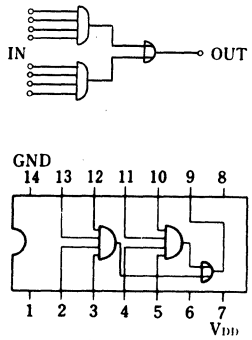
G01-274



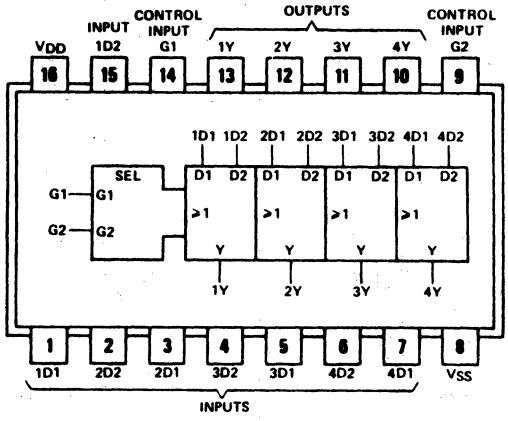
G01-275



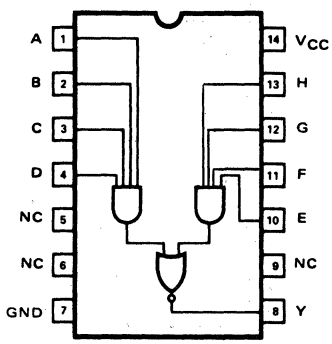
G01-276



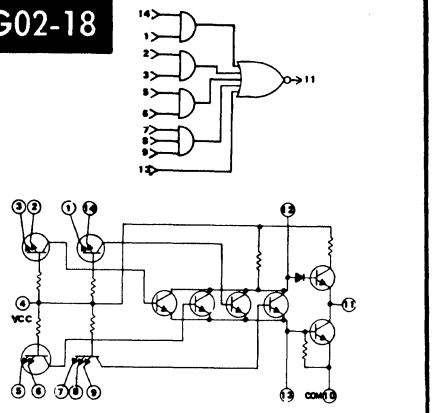
G01-277



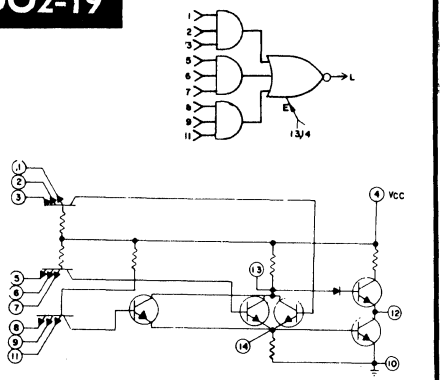
G01-278



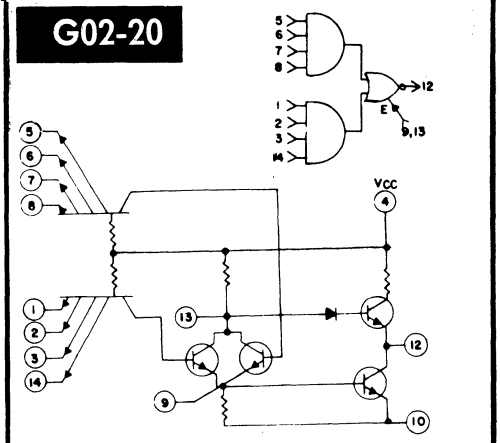
G02-18



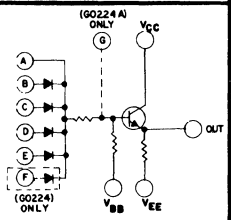
GO2-19



G02-20

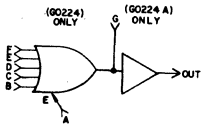


G02-24

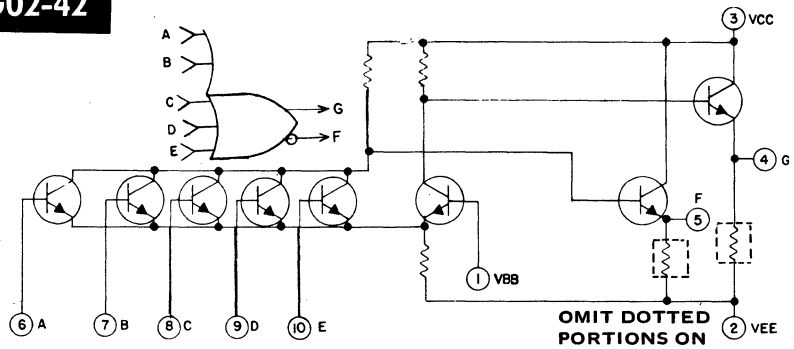


PIN CONNECTIONS

PIN	G0224	G0224A	PIN	G0224	G0224A
1	V_{EE}	OUT	11	C	V_{EE}
2	—	A	12	B	—
3	—	B	13	A	V_{CC}
4	—	C	14	—	—
5	OUT	D	15	—	
6	—	E	16	—	
7	VS+	G	17	V_{BB}	
8	F	—	18	—	
9	E	OUT	19	—	
10	D	V_{BB}	20	—	

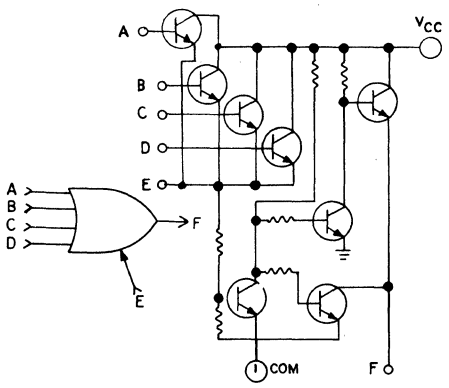


G02-42



OMIT DOTTED PORTIONS ON G02-42a.

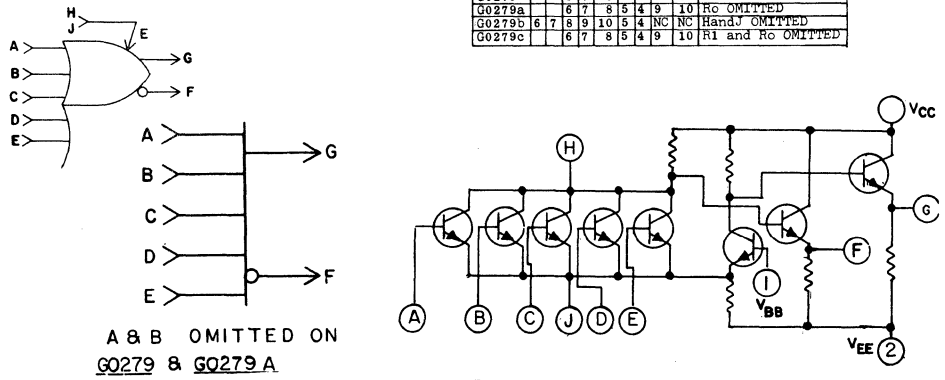
G02-78



DRAW. NO.	CKT.	A	B	C	D	E	F	V_{CC}
G02-78	1	5	4			3	2	6
	2	7	8			9	10	
G02-78a	1	5	4	3			2	6
	2	7	8	9			10	
G02-78b	1	4	5	6	7	3	2	8
	2	9	10	11	12	13	14	
G02-78c	1	3	4	5			2	
	2	6	7	9			14	8
	3	10	11	12			13	
G02-78d	1	4	5			3	2	8
	2	6	7			9	14	
	3	11	12			10	13	
G02-78e	1	4	5				3	
	2	6	7				2	8
	3	9	10				14	
	4	11	12				13	

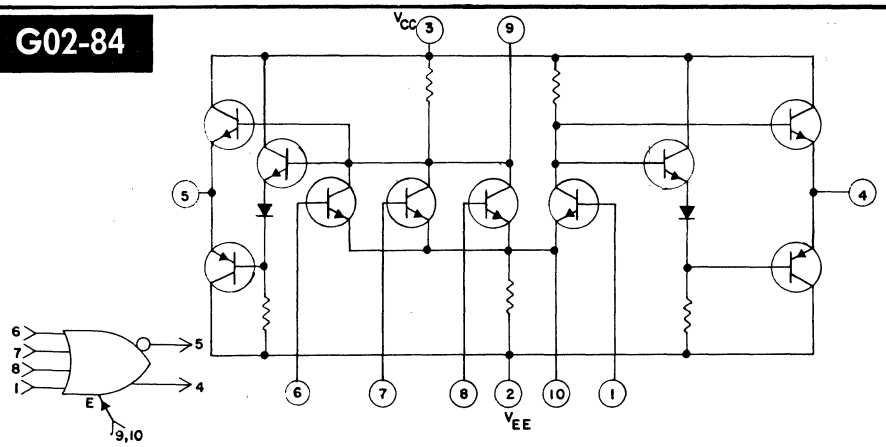
G02-79

	A	B	C	D	E	F	G	H	J	REMARKS
G0279			6	7	8	5	4	9	10	
G0279a			6	7	8	5	4	9	10	Ro OMITTED
G0279b	6	7	8	9	10	5	4	NC	NC	HandJ OMITTED
G0279c			6	7	8	5	4	9	10	R1 and Ro OMITTED

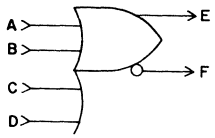


A & B OMITTED ON G0279 & G0279 A

G02-84



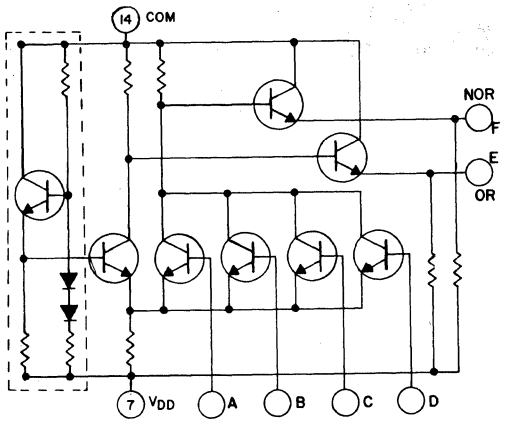
G02-101



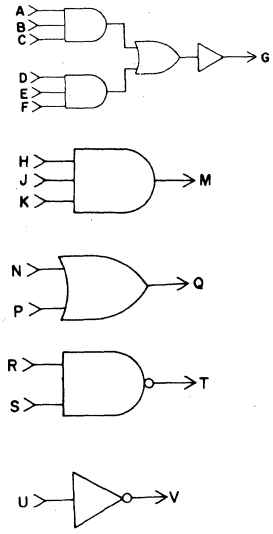
CKT. NO	A	B	C	D	E	F
1	1	2	3	4	6	5
2	10	11	12	13	8	9

DOTTED-IN PORTION ONE PER MODULE

G02101A	"NOR" PULL DOWN RESISTORS OMITTED
G02101B	ALL PULL DOWN RESISTORS OMITTED



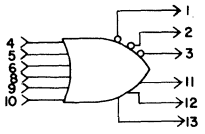
G02-105



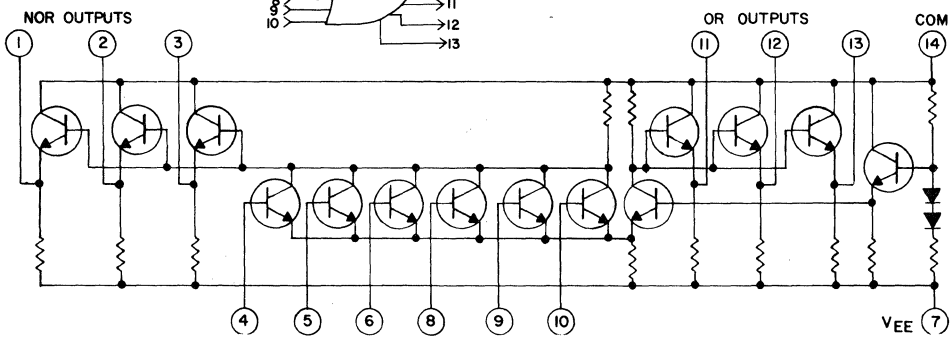
CKT. NO.	A	B	C	D	E	F	G	H	J
1	42	43	44	45	46	47	35	17	15
2	36	37	38	39	40	41	34	12	11
3								1	2
4								3	4

K	M	N	P	Q	R	S	T	U	V
14	9	27	28	31	19	20	22	25	23
10	8	29	30	33				26	24
	5							18	21
	7								

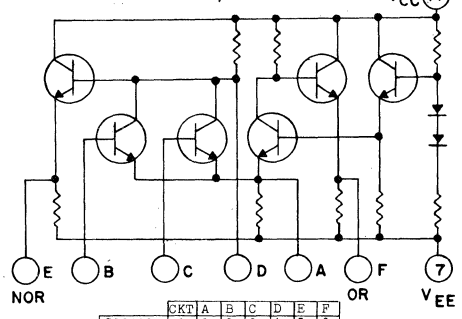
G02-106



G02 106 A	"NOR" PULLDOWN RESISTORS OMITTED
G02 106 B	ALL PULLDOWN RESISTORS OMITTED



G02-119

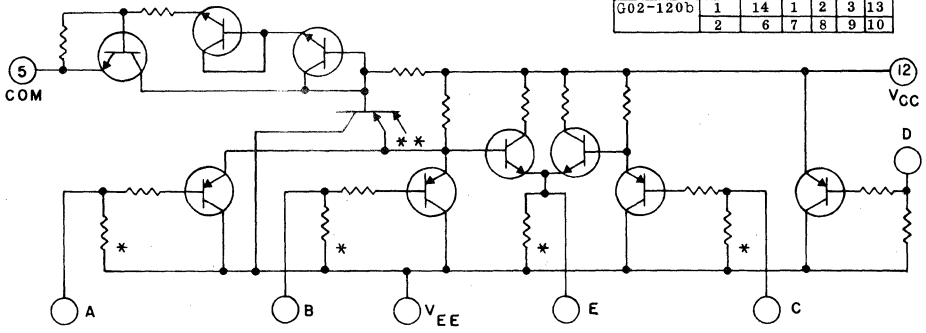


	CKT	A	B	C	D	E	F
G02119	1	1	2	3	4	5	6
	2	10	11	12	13	9	8
G02119a	1	2	3	1	4	6	5
	2	11	12	10	13	8	9

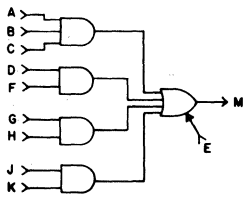
G02-120

** TO OTHER CKTS.

	CKT NO.	A	B	C	D	E
G02-120	1	1	2			14
	2	3	4			13
	3	6	7	8	9	10
G02-120b	1	14	1	2	3	13
	2	6	7	8	9	10

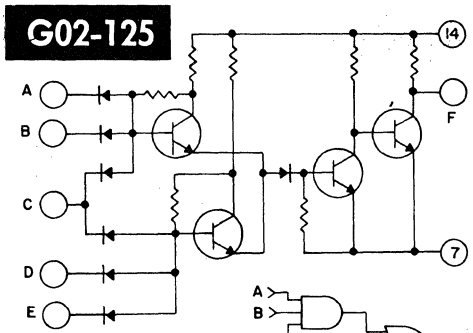


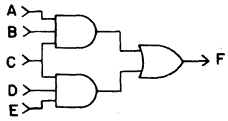
G02-124



PACKAGE	A	B	C	D	E	F	G	H	J	K	M	VCC	COM
FP	7	8	9	5	13	6	1	14	2	3	12	4	11
MP	3	4	5	1	9	2	10	11	12	13	8	14	7

G02-125

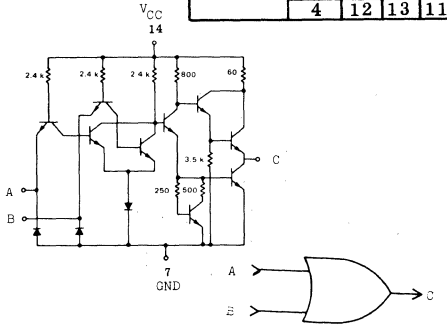




CKT. NO.	A	B	C	D	E	F
1	1	2	3	4	5	6
2	13	12	11	10	9	8

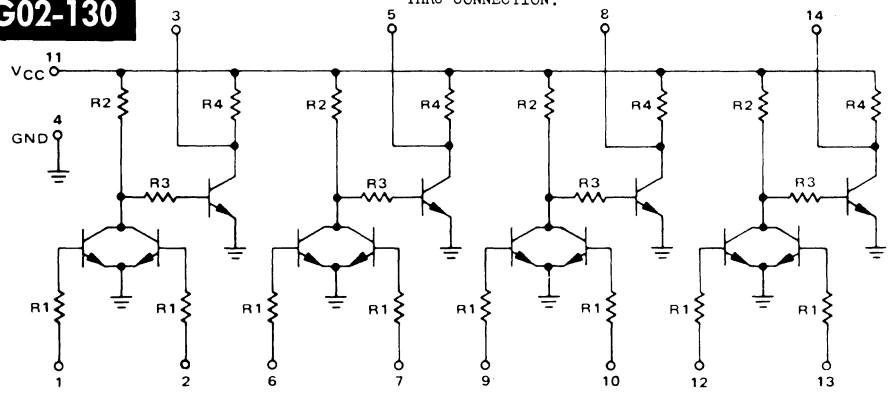
G02-126

	CKT	A	B	C
G02-126	1	1	2	3
	2	4	5	6
	3	9	10	8
	4	12	13	11

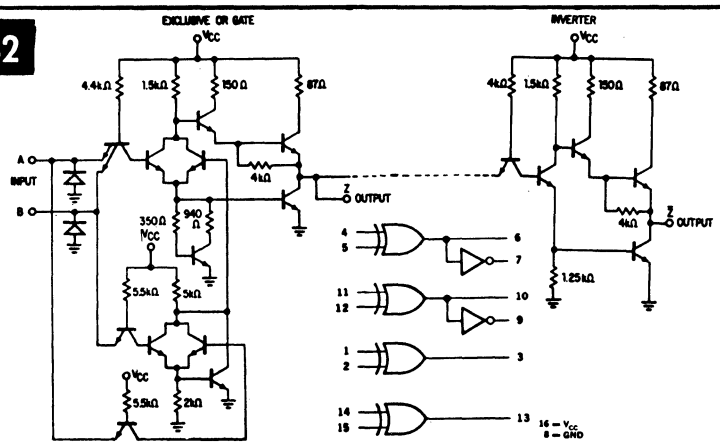


G02-130

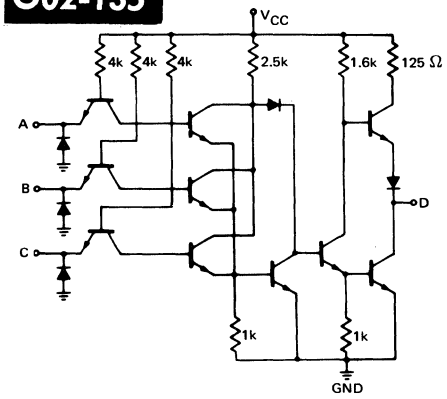
G02-130a - R3 NOT APPLICABLE-
THRU CONNECTION.



G02-132

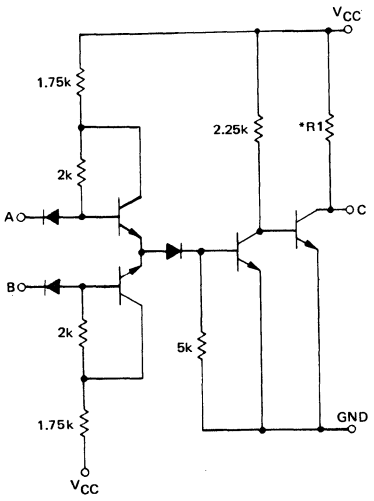


G02-135



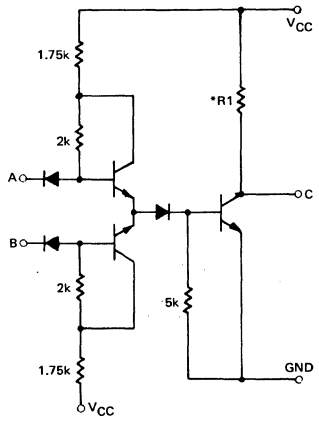
	PKG	CKT	A	B	C	D	VCC	GND
G02-135	FP	1	1	2	14	3	4	11
		2	6	7	8	5		
		3	9	10	12	13		
	MP	1	1	2	13	12	14	7
		2	3	4	5	6		
		3	9	10	11	8		
G02-135a	FP	1	1	2		3	4	11
		2	6	7		5		
		3	9	10		8		
		4	12	13		14		
	MP	1	1	2		3	14	7
		2	4	5		6		
		3	9	10		8		
		4	12	13		11		

G02-136



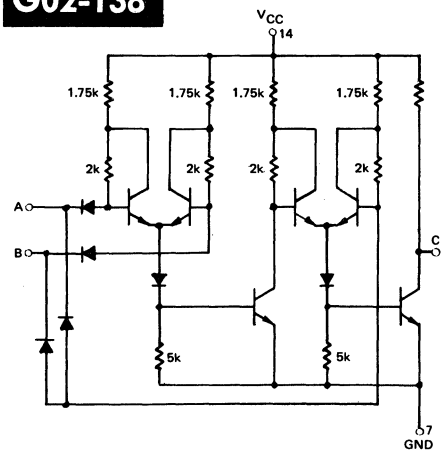
	CKT NO	A	B	C	VCC	GND
G02-136	1	1	2	3	14	7
	2	4	5	6		
	3	9	10	8		
	4	12	13	11		

G02-137



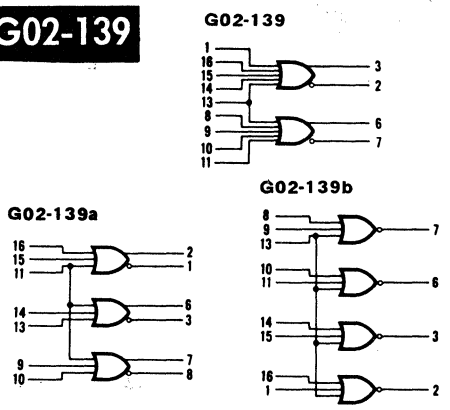
	CKT NO.	A	B	C	VCC	GND
G02-137	1	1	2	3	14	7
	2	4	5	6		
	3	9	10	8		
	4	12	13	11		

G02-138

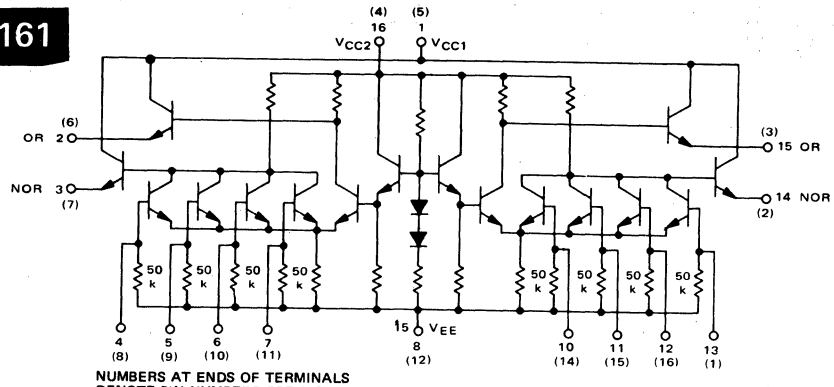


	CKT NO	A	B	C	VCC	GND
G02-138	1	1	2	3	14	7
	2	4	5	6		
	3	9	10	8		
	4	12	13	11		

G02-139

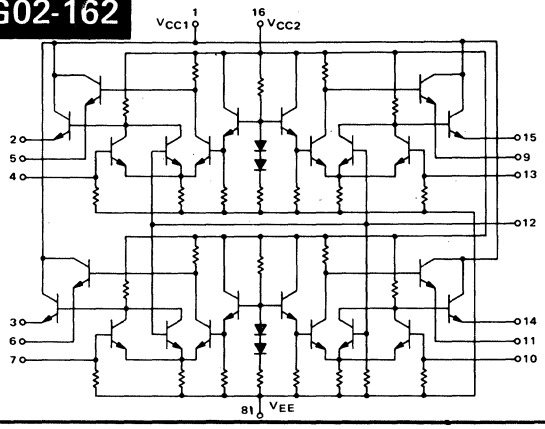


G02-161

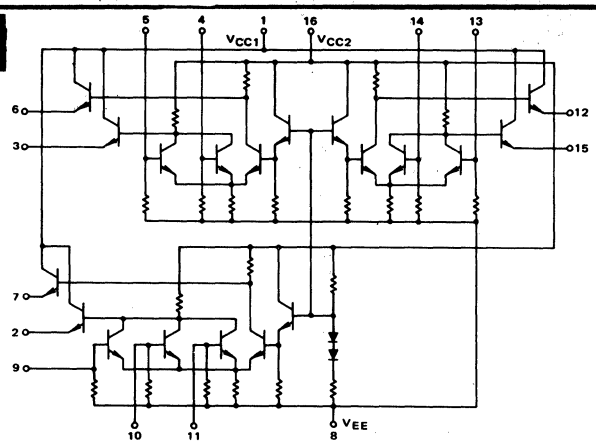


NUMBERS AT ENDS OF TERMINALS
DENOTE PIN NUMBERS FOR L SUFFIX.
NUMBERS IN PARENTHESIS
DENOTE PIN NUMBERS FOR F SUFFIX.

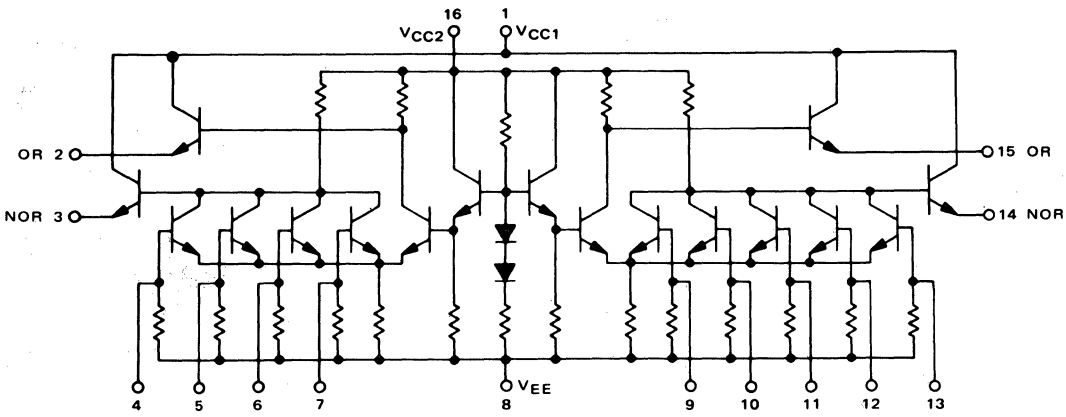
G02-162



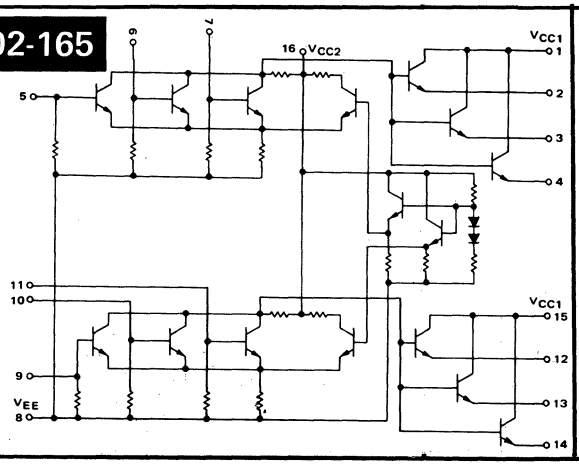
G02-163



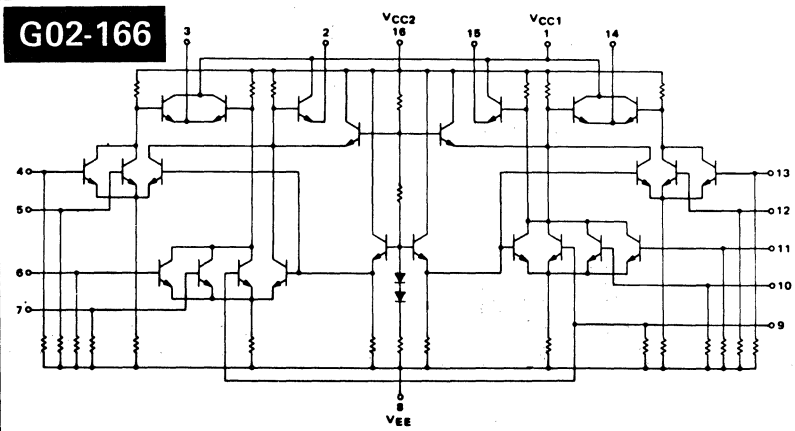
G02-164



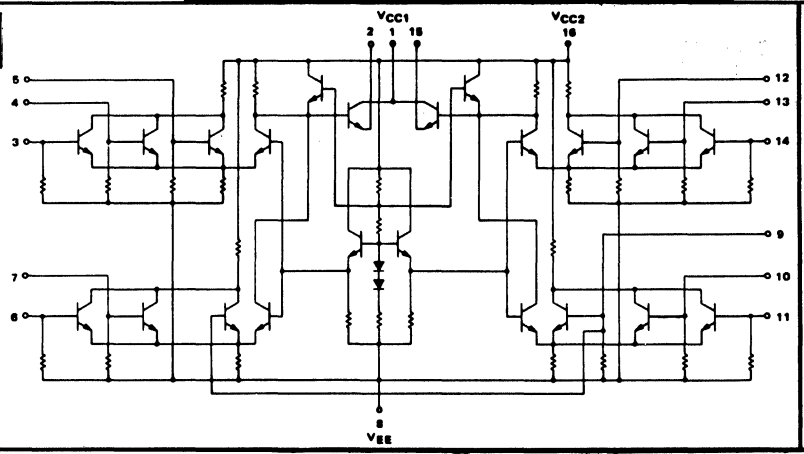
G02-165



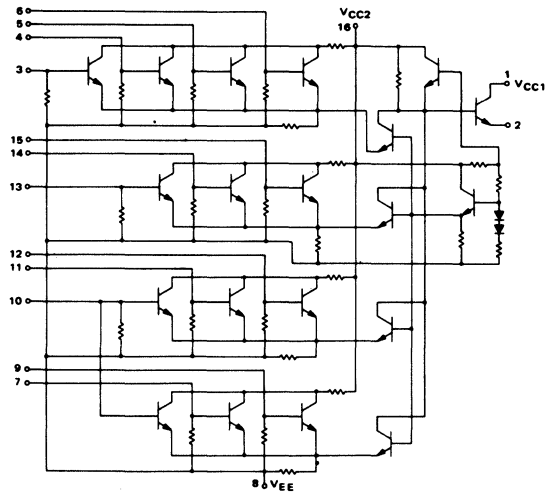
G02-166



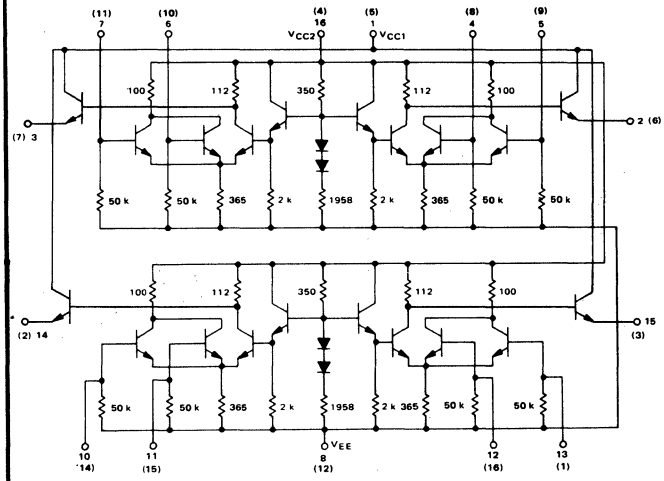
G02-167



G02-168

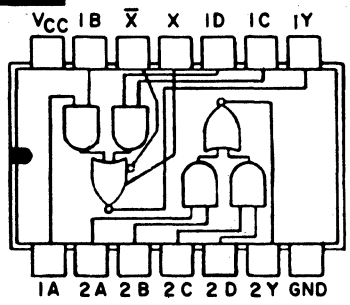


G02-169



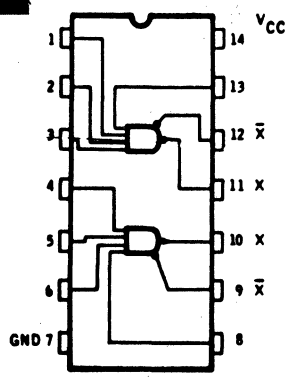
Number at end of terminals denotes pin number of L package
Number in parenthesis denotes pin number for F package

G02-170

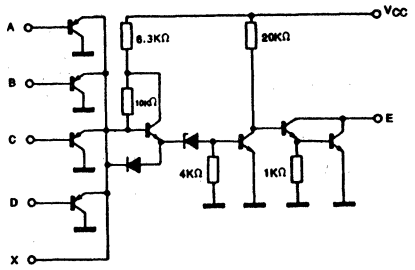


	1A	2A	1B	2B	1C	2C	1D	2D	1Y	2Y	X	X̄	VCC	GND
G02-170	1	2	13	3	9	4	10	5	8	6	11	12	14	7
G02-170a	3	6	5	7	13	8	14	9	12	10	1	2	4	11

G02-172

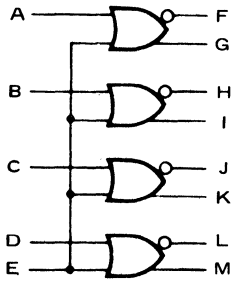


G02-177



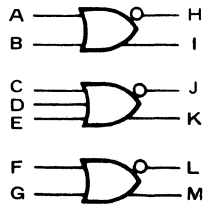
	CKT	A	B	C	D	X	E	VCC	GND
G02-177	1	1	2	4	5	3	6	14	7
	2	9	10	12	13	11	8		

G02-178



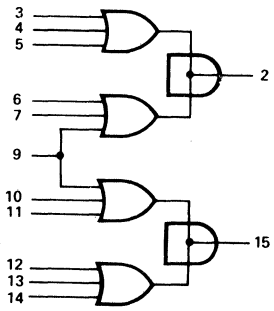
	A	B	C	D	E	F	G	H	I	J	K	L	M
G02-178	4	7	10	13	12	2	5	3	6	14	11	15	9
G02-178a	9	10	14	15	11	7	8	5	6	3	2	1	16

G02-179

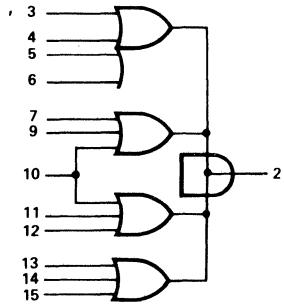


	A	B	C	D	E	F	G	H	I	J	K	L	M
G02-179	4	5	9	10	11	13	12	3	2	6	7	14	15
G02-179a	9	10	1	15	16	11	14	7	8	3	2	5	6

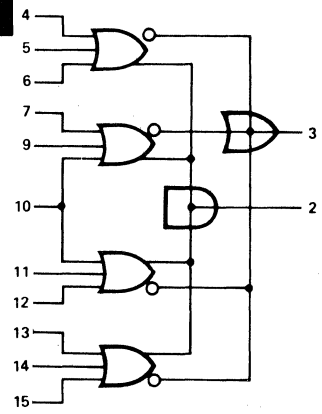
G02-182



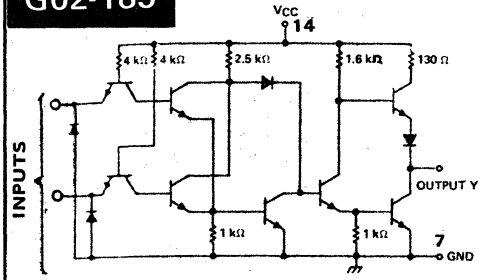
G02-183



G02-184

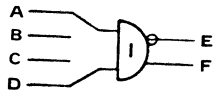


G02-185



	CKT	A	B	Y
G02-185	1	1	2	3
	2	4	5	6
	3	9	10	8
	4	12	13	11

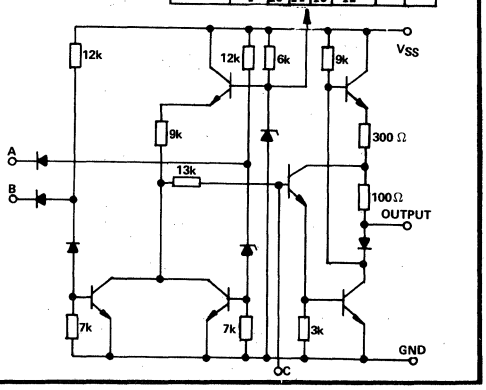
G02-187



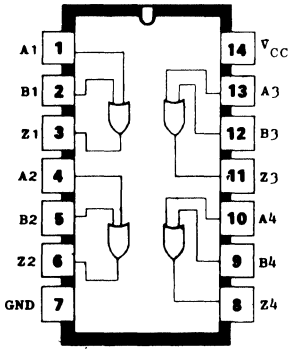
	CKT NO.	A	B	C	D	E	F	VCC 1	VCC 2	VEE
G02-187	1	1	2	3	4	5	6			
	2	10	11	12	13	9	8			
G02-187a	1	4	5	6	7	3	2	1	14	15
	2	8	9	10	11	12	13			
G02-187b	1	4	5	6	7	3	2	1	16	8
	2	10	11	12	13	14	15			

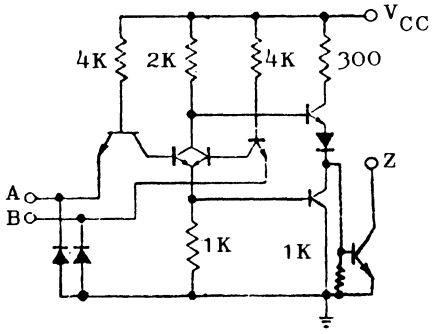
G02-188

	CKT	A	B	C	OUTP.	VSS	GND
G02-188	1	2	3	1	4	16	8
	2	5	6		7		
	3	10	11		9		
	4	13	14	15	12		

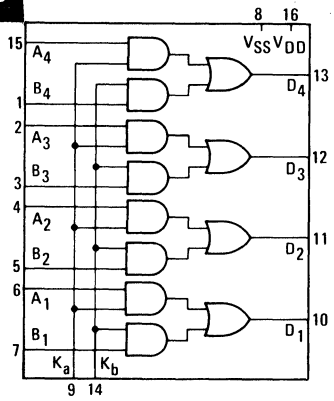


G02-189

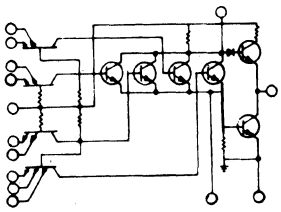


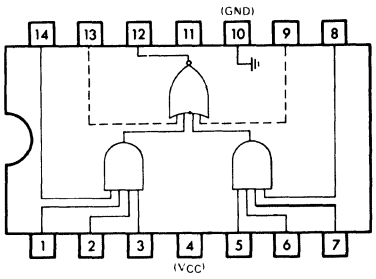


G02-190

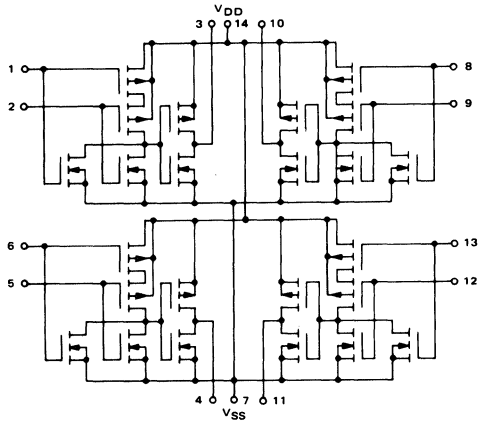


G02-191

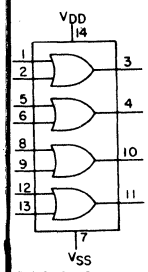




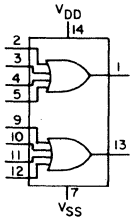
G02-192



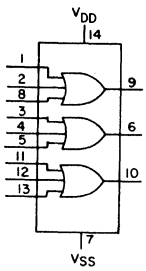
G02-193



G02-193

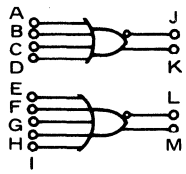


G02-193a



G02-193b

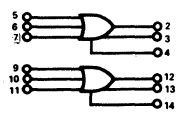
G02-194



V_{CC1} = 1, V_{CC2} = 16, V_{EE} = 8
POSITIVE LOGIC: HIGH LEVEL = '1'

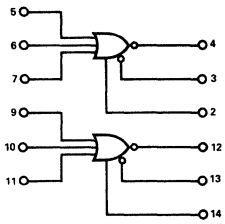
	A	B	C	D	E	F	G	H	I	J	K	L	M
G02-194	4	5	6	7	9	10	11	12	13	3	2	14	15
G02-194a	14	15	16	1	7	8	9	10	11	3	2	5	6

G02-195



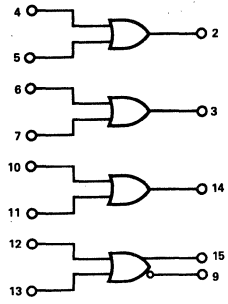
V_{CC1} = 1, 15, V_{CC2} = 16, V_{EE} = 8
POSITIVE LOGIC: HIGH LEVEL = '1'

G02-196



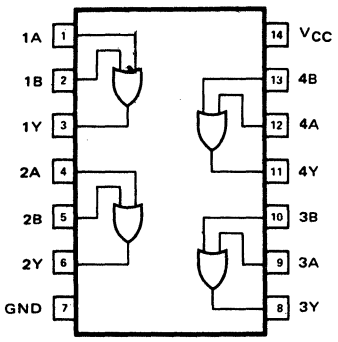
V_{CC1} = 1, 15, V_{CC2} = 16, V_{EE} = 8
POSITIVE LOGIC: HIGH LEVEL = '1'

G02-197



V_{CC1} = 1, V_{CC2} = 16, V_{EE} = 8
Positive Logic: High Level = "1"

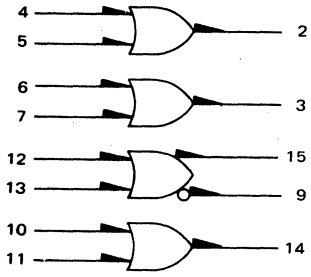
G02-198



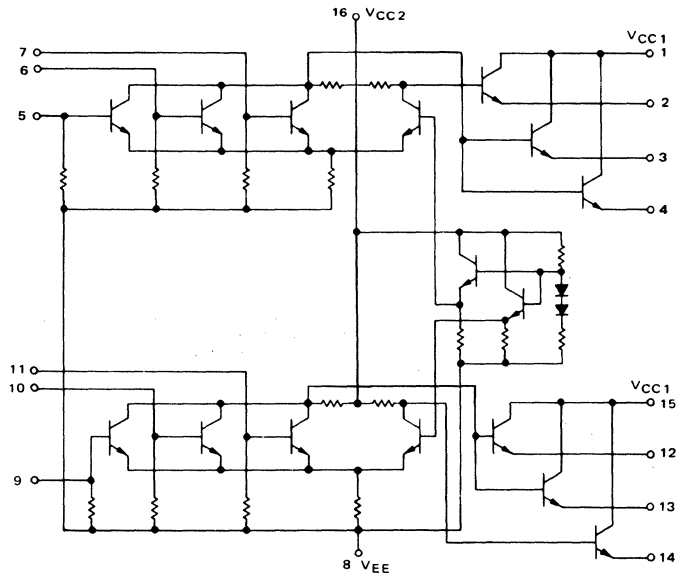
positive logic: Y = A+B

G02-199

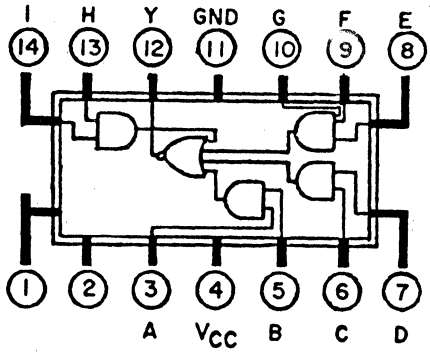
V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8



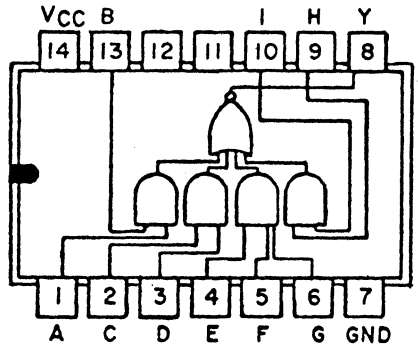
G02-200



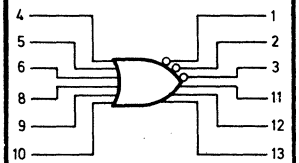
G02-201



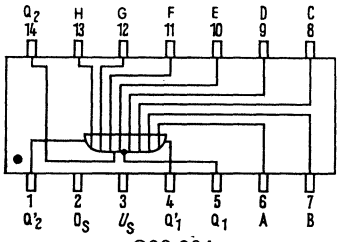
G02-202



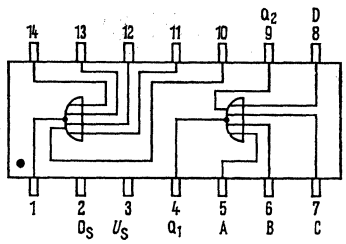
G02-203



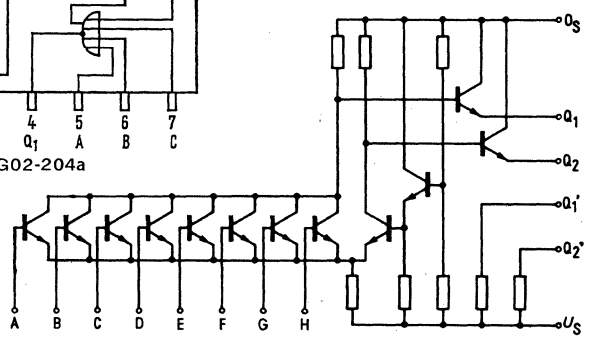
G02-204



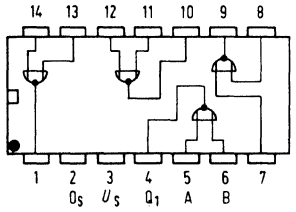
G02-204

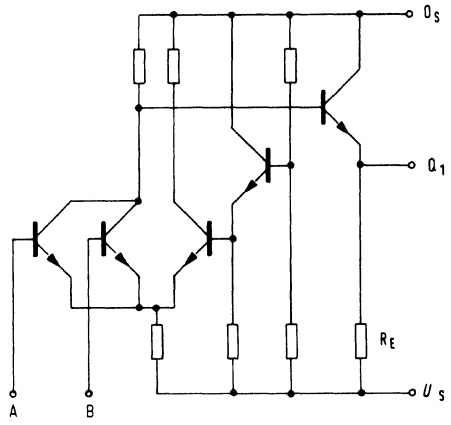


G02-204a

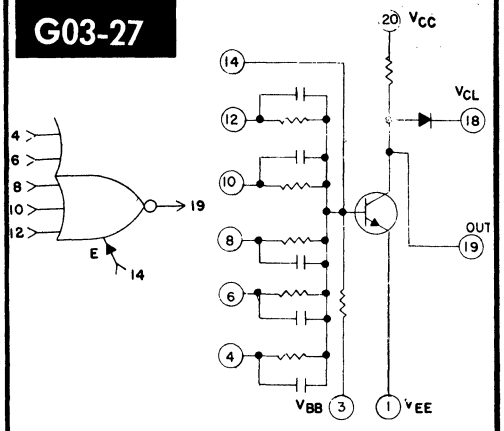


G02-205

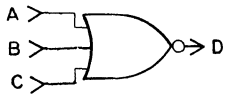




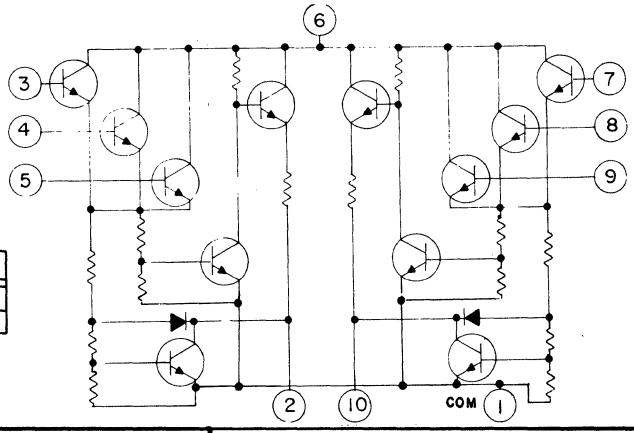
G03-27



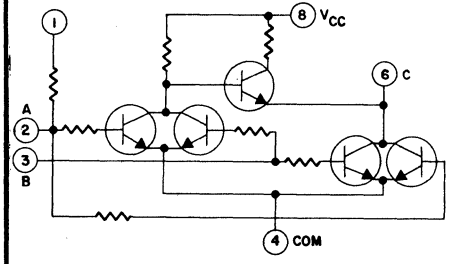
G03-29

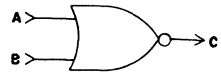


CKT NO	A	B	C	D
1	9	8	7	10
2	5	4	3	2

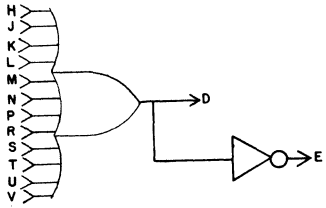


G03-36



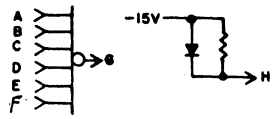


G03-37

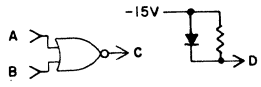


G03-38

	CKT 1	CKT 2
A	D	N
B	E	P
C	F	R
D	H	S
E	J	T
F	K	U
G	L	V



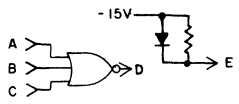
G03-45



3 CLAMPED LOADS

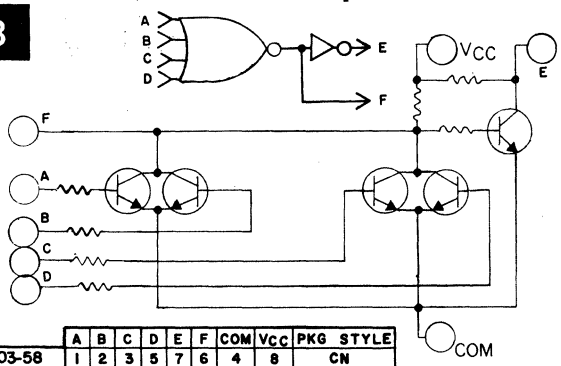
CKT. NO.	A	B	C	D
1	D	E	F	H
2	N	P	R	M
3	J	K	L	S
4	T	U	V	

G03-46



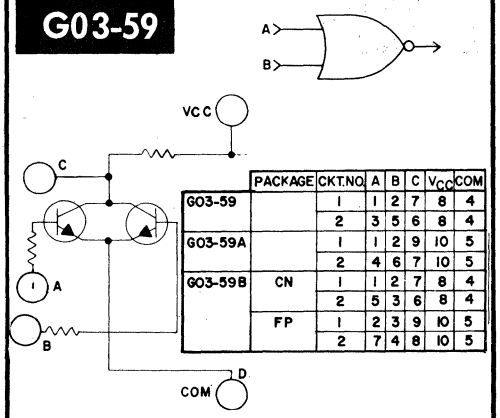
CKT. NO.	A	B	C	D	E
1	D	E	F	H	J
2	K	L	M	N	P
3	R	S	T	U	V

G03-58



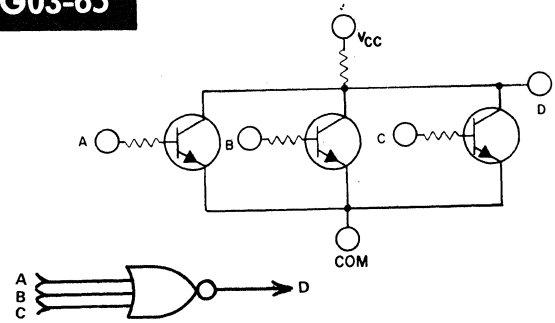
	A	B	C	D	E	F	COM	V_{CC}	PKG STYLE
G03-58	1	2	3	5	7	6	4	8	CN
	1	2	4	6	9	7	5	10	FP
G03-58 A	1	2	3	5	7	6	4	8	CN
	2	3	4	7	9	8	5	10	FP

G03-59



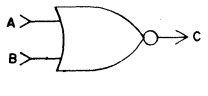
PACKAGE	CKT.NO	A	B	C	V_{CC}	COM
G03-59	1	1	2	7	8	4
	2	3	5	6	8	4
G03-59A	1	1	2	9	10	5
	2	4	6	7	10	5
G03-59B CN	1	1	2	7	8	4
	2	5	3	6	8	4
FP	1	2	3	9	10	5
	2	7	4	8	10	5

G03-65



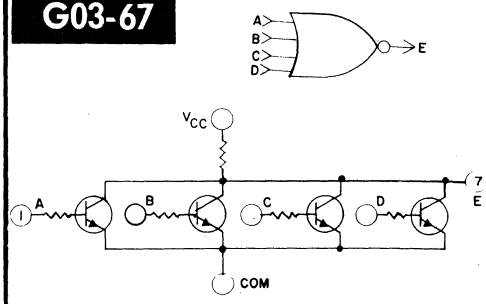
	CKT. NO.	A	B	C	D	COM	V_{CC}
G03-65	1	2	3	4	1	5	10
	2	6	7	8	9		
G03-65A	1	1	4	5	3	7	14
	2	6	8	9	2		
	3	10	11	12	13		
G03-65B	1	2	3	4	1	5	10
	2	6	7	8	9		
G03-65C	1	1	2	3	4	5	10
	2	6	7	8	9		
G03-65D	1	3	4	5	6	7	14
	2	9	10	11	8		
	3	13	1	2	12		
G03-65E	1	1	3	5	5	4	8
G03-65F	1	2	12	13	3	4	11
	2	5	6	9	10		
G03-65G	1	1	2	14	3	4	11
	2	6	7	8	5		
	3	10	12	13	9		

GO3-66



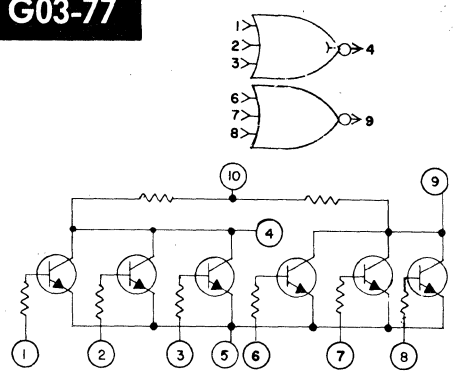
	CKT.NO.	A	B	C
G03-66	1	1	2	7
	2	3	5	6
G03-66a	1	16	14	15
	2	13	10	12
	3	8	6	7
	4	4	2	3
G03-66c	1	1	2	3
	2	5	6	4
	3	8	9	10
	4	12	13	11
G03-66d	1	4	5	2
	2	6	7	3
	3	8	9	12
	4	10	11	13
G03-66e	1	2	3	1
	2	5	6	4
	3	8	9	10
	4	11	12	13
G03-66f	1	1	2	3
	2	4	5	6
	3	9	10	8
	4	12	13	11
G03-66g	1	2	3	4
	2	5	6	7
	3	10	11	9
	4	13	14	12
G03-66h	1	4	5	2
	2	6	7	3
	3	10	11	14
	4	12	13	15

G03-67

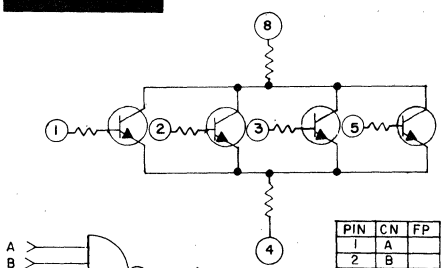


	CKT NO	A	B	C	D	E	COM	V_{CC}	PKG STYLE
G0367	1	1	2	3	6	7	5	8	CN
G0367A	1	2	3	5	6	1	7	14	FP
	2	8	9	10	12	13			

G03-77

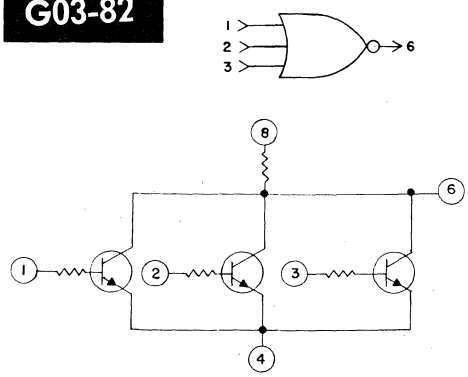


G03-80

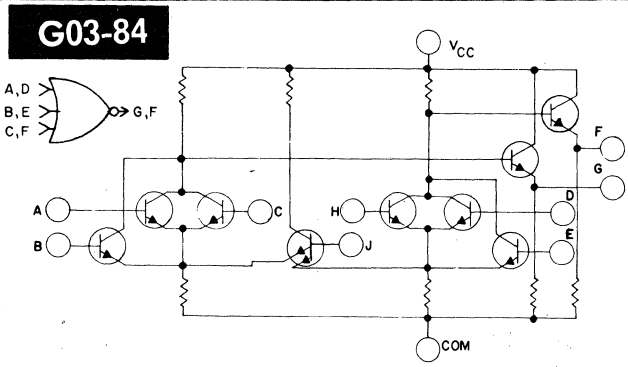


PIN	CN	FP
1	A	
2	B	
3	C	
4	COM	
5	D	
6	E	
7		
8	VCC	

G03-82

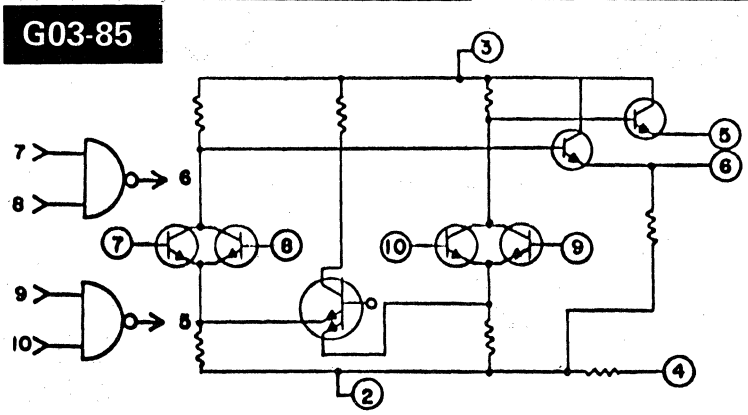


G03-84

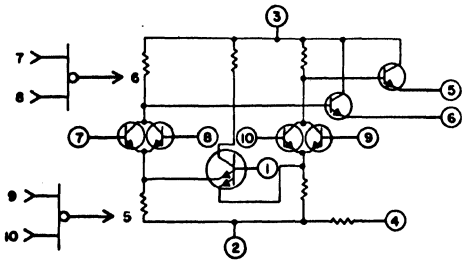


	A	B	C	D	E	F	G	H	J	V_{CC}	COM
G OUT LINE	7	8	9	11	12	5	6	10	1	3	2
F OUT LINE	8	9	10	13	14	5	6	12	2	4	3

G03-85

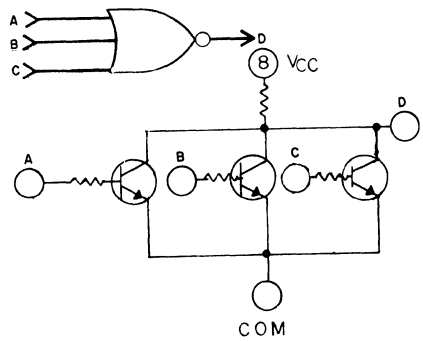


G03-86

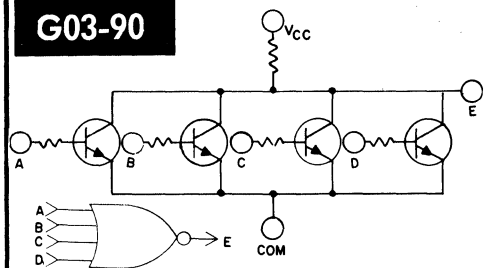


G03-89

A	B	C	D	COM	Vcc	PKG STYLE
2	3	4	8	5	10	FP
1	2	3	6	4	8	CN

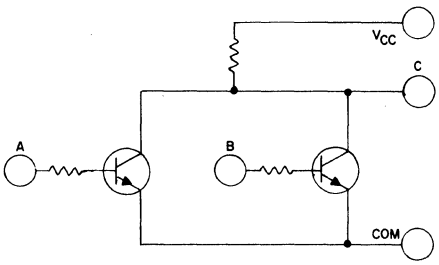


G03-90



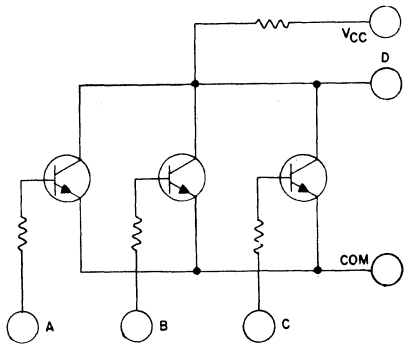
	CKT NO	A	B	C	D	E	COM	Vcc	PKG STYLE
G0390	1	1	2	3	5	6	4	8	CN
	1	2	3	4	7	8	5	10	FP
G0390A	1	2	3	5	6	1	7	14	FP
	2	8	9	10	12	13			
G0390B	1	2	3	13	14	12	4	11	MP
	2	5	6	7	9	10			

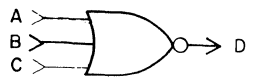
G03-91



	CKT NO	A	B	C	COM	Vcc	PKG STYLE
G0391	1	1	2	7	4	8	CN
	2	3	5	6			
	1	1	2	9	5	10	FP
	2	4	6	7			
G0391A	1	2	3	9	5	10	FP
	2	4	7	8			
G0391B	1	1	2	3	7	14	FP
	2	4	5	6			
	3	9	10	8			
	4	12	13	11			
G0391C	1	1	2	3	4	11	M
	2	6	7	5			
	3	9	10	8			
	4	12	13	14			

G03-92

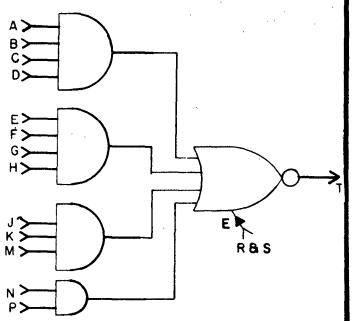




2 CKTS

	CKT. NO.	A	B	C	D	E&F	COM	PKG.
G03-92	1	1	2	3	4	10	5	
	2	6	7	8	9			
G03-92B	1	1	2	3	6	8	4	
G03-92C	1	1	2	3	4	5	10	
	2	6	7	8	9			
G03-92D	1	1	2	3	9	5	10	FP
	2	4	6	7	8			
G03-92E	1	2	13	12	3	11	4	
	2	5	6	9	10			

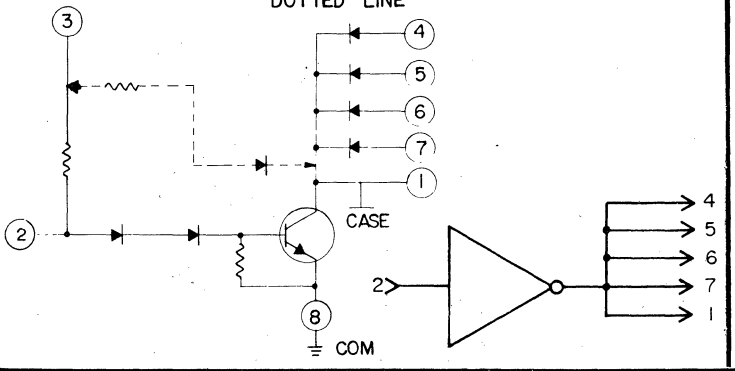
G03-107



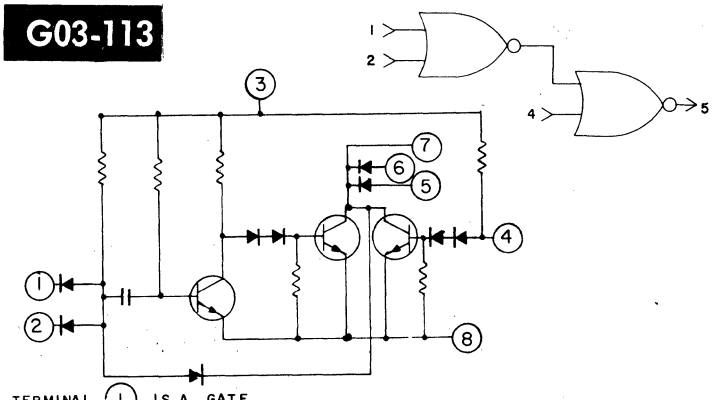
	PKG	CKT NO.	A	B	C	D	E	F	G	H	J	K	M	N	F	R	S	T	VCC	COM
G03-107	CN	1	1	2	3	4	8	9	10	11	NC	NC	NC	NC	NC	NC	NC	7	12	10
	FP	1	13	1	2	3	5	6	7	9	NC	NC	NC	NC	NC	NC	12	4	10	
G03-107a	CN	1	1	2	NC	NC	6	7	NC	NC	NC	NC	NC	NC	NC	NC	NC	5	8	4
G03-107b	FP	1	14	1	2	3	5	6	7	8	NC	NC	NC	NC	NC	9	13	12	4	10
G03-107c	FP	1	NC	NC	NC	NC	NC	NC	NC	NC	1	2	3	13	14	NC	NC	12	4	10
		2	NC	NC	NC	NC	NC	NC	NC	NC	5	6	7	8	9	NC	NC	11	4	10
G03-107d	FP	1	1	2	3	NC	5	6	7	NC	8	9	11	NC	NC	13	14	12	4	10
G03-107e	FP/M	1	14	1	NC	NC	2	3	NC	NC	7	8	9	5	6	13	12	11	4	10
G03-107f	FP/M	1	1	13	NC	NC	2	3	NC	NC	4	5	6	9	10	11	12	8	14	7
G03-107g	M	1	1	2			3	4	5		9	10	11	12	13			6	14	7
	FP	1	2	3			1	14	13		7	8	9	5	6			10	4	11

G03-112

NOTE: G03112 A INCLUDES DOTTED LINE

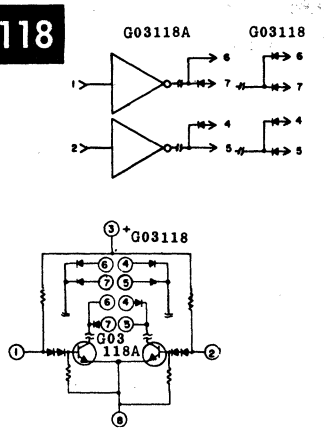


G03-113

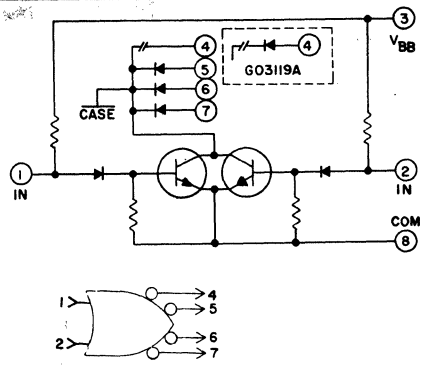


TERMINAL (1) IS A GATE EXPANDER IN THE "A" VERSION

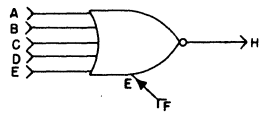
G03-118



G03-119



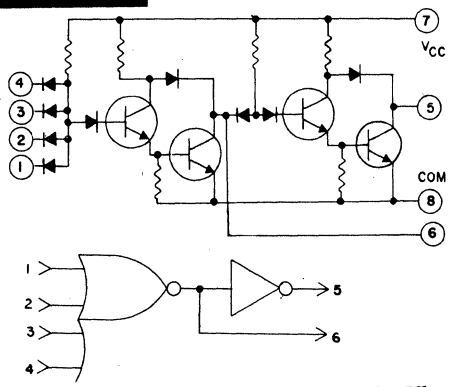
G03-121



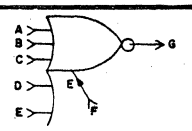
	CKT. NO	A	B	C	D	E	F	G	H	J
G03-121,A	1	2	1	NC				7	6	8
	2	5	4					7	3	8
G03-121B,C	1	5	4	3	2	NC	1	7	6	8
G03-121D,E	1	5	4	3	2	1	NC	7	6	8

NOTE: G03121A, C & E INCLUDE DOTTED IN PORTION (DIODE).

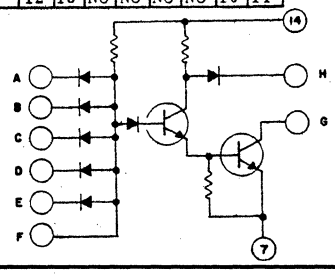
G03-122

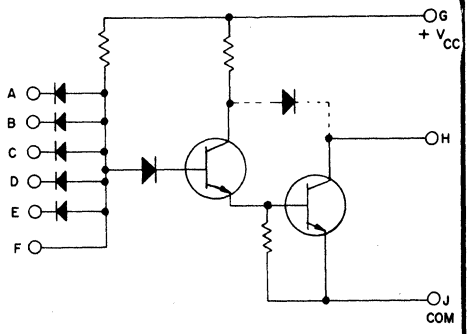


G03-124

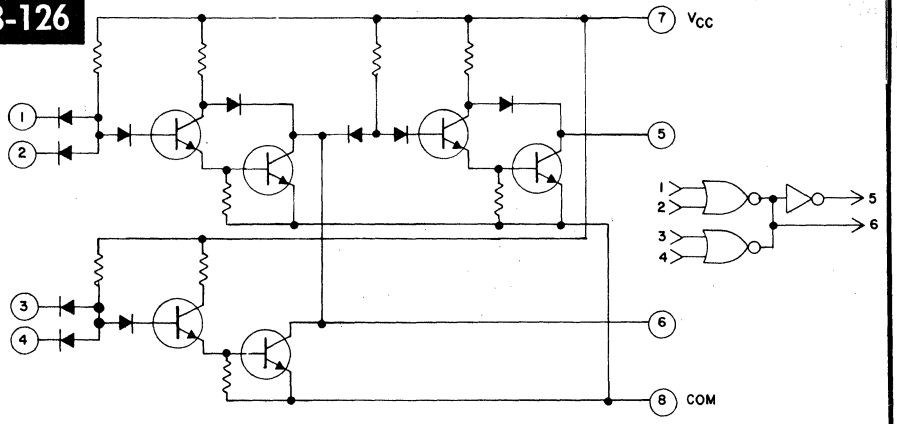


CKT NO	A	B	C	D	E	F	G	H
1	1	2	4	5	6	3	8	9
2	12	13	NC	NC	NC	NC	10	11

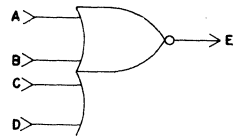




G03-126

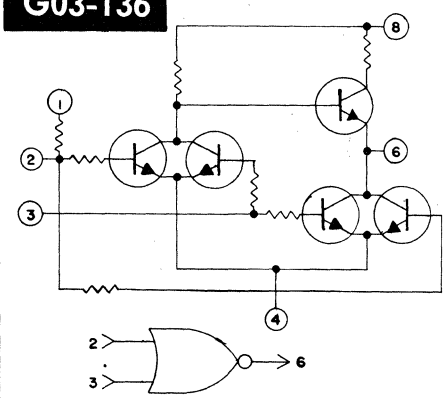


G03-131

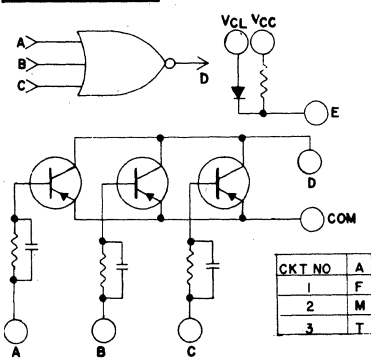


	CKT.NO	A	B	C	D	E
G03-131	1	E	F			D
	2	J	K			H
	3	M	N	P		L
	4	S	T	U	V	R
G03-131a	1	47	45	44		50
	2	43	42	41		46
	3	40	39	38		36
	4	37	31	33		34
	5	29	28	27		35
	6	26	25	24		30
	7	23	22	14		20
	8	13	12	11		18
	9	10	9	8		17
	10	7	6	5		15
	11	19	21	NC		1
	12	4	2	NC		3
G03-131b	1	1	2	3		4
	2	6	7	8		9
G03-131c	1	16	14			15
	2	13	10			12
	3	8	6			7
	4	4	2			3
G03-131d	1	1	2	3		4
	2	5	6	8		9
	3	11	12	13		10
G03-131e	1	2	3	4	5	1
	2	9	10	11	12	13
G03-131f	1	3	4	5		6
	2	1	2	8		9
	3	11	12	13		10

G03-136

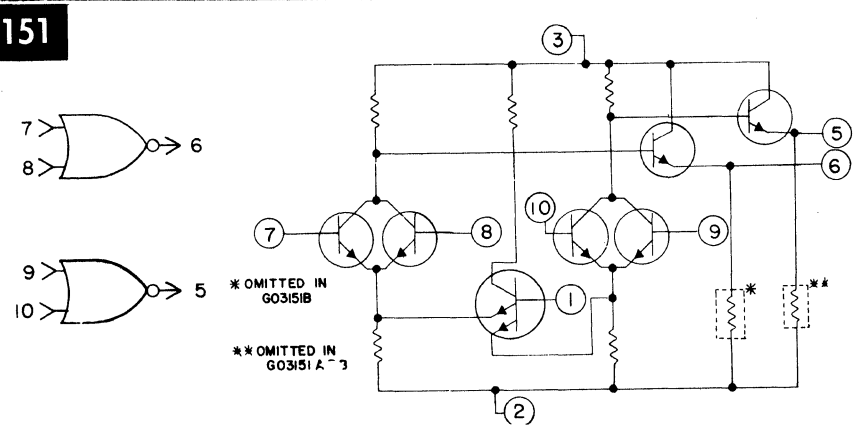


G03-139

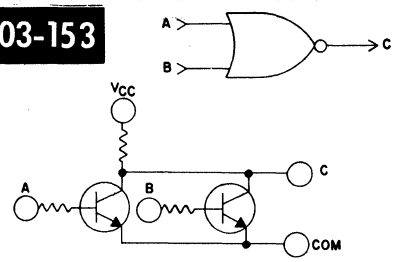


CKT NO	A	B	C	D	E
1	F	H	J	E	D
2	M	N	P	L	K
3	T	U	V	S	R

G03-151

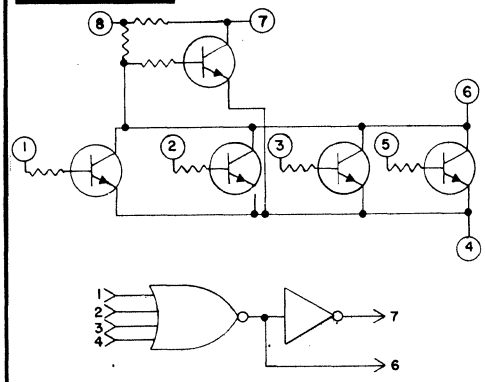


G03-153

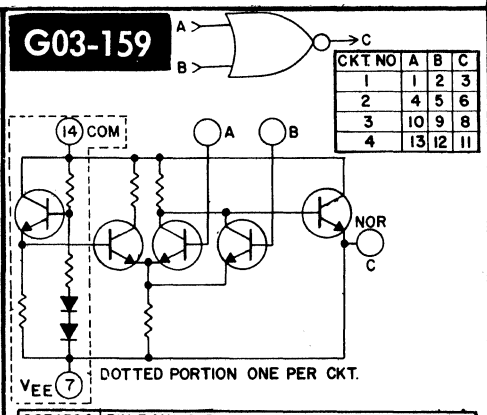


	CKT NO	A	B	C	COM	Vcc	PKG STYLE
G03153	1	1	2	7	4	8	CN
	2	3	5	6			
G03153A	1	1	2	3	7	14	FP
	2	4	5	6			
	3	9	10	8			
	4	12	13	11			

G03-154



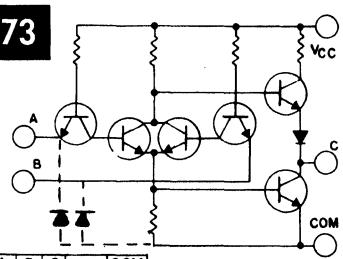
G03-159



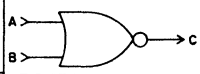
CKT NO	A	B	C
1	1	2	3
2	4	5	6
3	10	9	8
4	13	12	11

G03159A	PIN 3 AND 6 PULL DOWN RESISTORS OMITTED
G03159B	ALL PULL DOWN RESISTORS OMITTED

G03-173

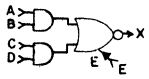


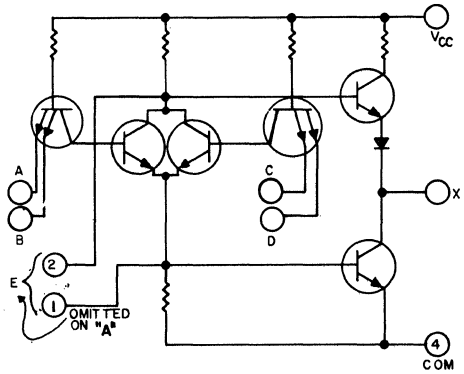
	CKT NO	A	B	C	Vcc	COM
FP	1	1	2	3	4	11
	2	6	7	5		
	3	9	10	8		
	4	12	13	14		
MP	1	2	3	1	14	7
	2	5	6	4		
	3	8	9	10		
	4	11	12	13		



DOTTED SECTIONS FOR G03-173 a ONLY

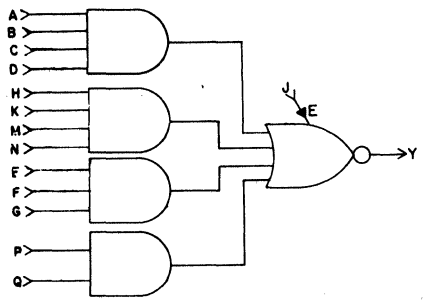
G03-174

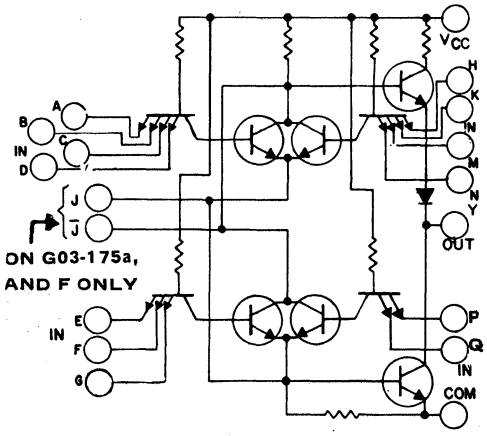




	CKT. NO	A	B	C	D	E_1	E_2	X	Vcc	COM
FP	1	3	5	13	14	1	2	12	4	11
	2	6	7	8	9	NC	NC	10		
MP	1	1	13	9	10	12	11	8	14	7
	2	2	3	4	5	NC	NC	6		

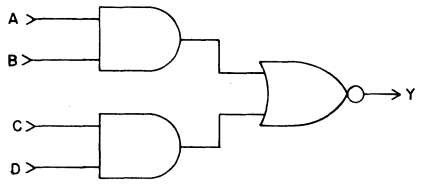
G03-175





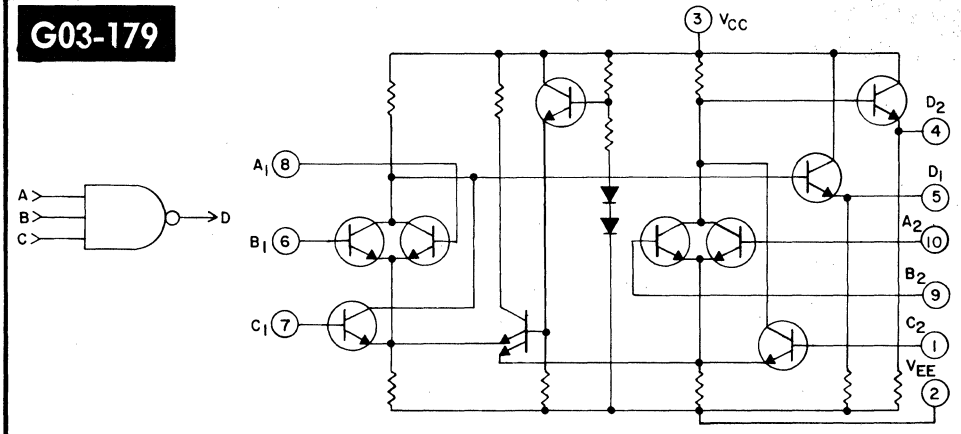
	PKG	CKT	A	B	C	D	E	F	G	H	J	J	K	M	N	P	Q	Y	VCC	COM
G03-175,a	FP	1	3	5			6	7		8	1	2	9			13	14	12	4	11
	MP		1	13			2	3		4	11	12	5			9	10	8	14	7
G03-175b	FP	1	1	13	14					2			3	5				12	4	11
		2	6	7						8			9					10	4	11
G03-175c	FP	1	1	2	3	14				5			6	7	8			12	4	11
G03-175d	FP	1	13	14	1		2	3		7			8	9		5	6	10	4	11
G03-175e,f	MP	1	2	3			9	10		4	12	11	5			1	13	8	14	7

G03-177

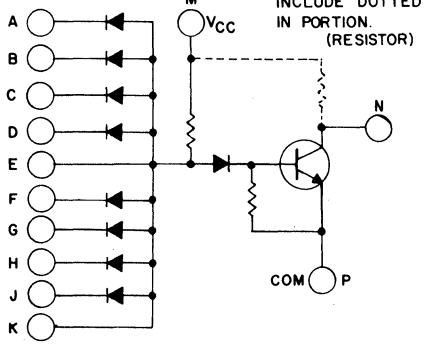


	CKT. NO	A	B	C	D	Y	VCC	COM
G03-177	1	1	13	9	10	8	11	7
	2	2	3	4	5	6	11	7
G03-177a	1	1	13	9	10	8	14	7
	2	2	3	4	5	6	14	7

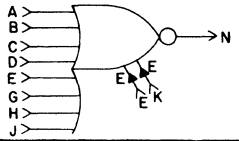
G03-179



G03-180

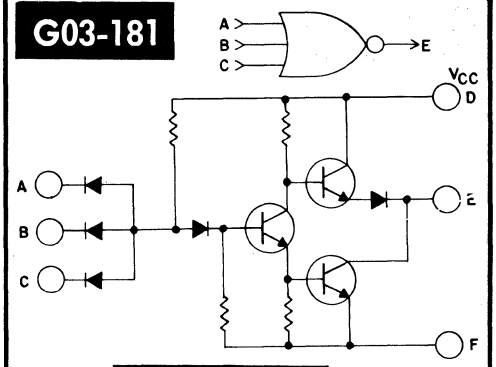


G03 180A,C,E,G,J INCLUDE DOTTED IN PORTION. (RESISTOR)



	CKT. NO	A	B	C	D	E	F	G	H	J	K	M	N	P
G03 180,A	1	2	3	4	5	6	9	10	11	12	13	7	1	14
G03 180 B,C	1	9	10	11	12	13		NC				7	1	14
	2	2	3	4	5	6							8	
G03 180 D,E	1	12	13			1							2	
	2	3	4	5				NC				7	11	14
	3	8	9	10									6	
G03 180 F,G	1	12	13	1									2	
	2	3	4	5				NC				7	11	14
	3	8	9	10									6	
G03 180 H,J	1	13	12										1	
	2	5	6					NC				7	8	14
	3	2	3										11	
	4	9	10										4	

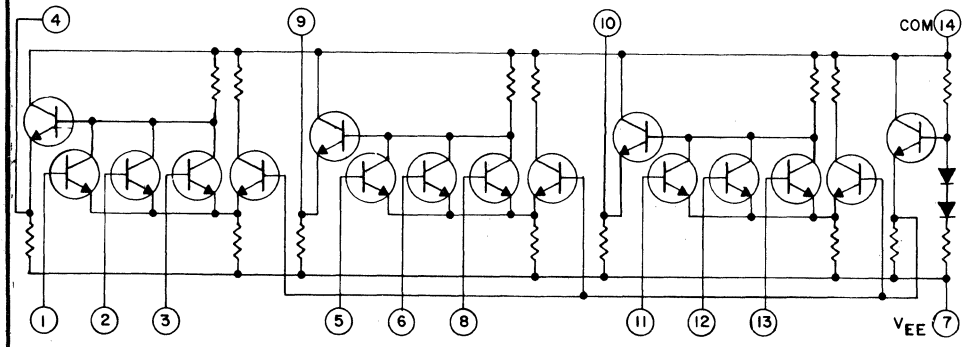
G03-181



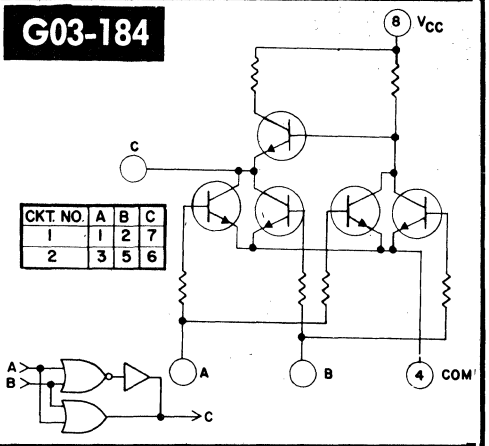
	CKT NO	A	B	C	D	E	F
G03 181	1	9	10	11	7	12	14
	2	4	5	6	7	3	14

G03-183

G03 183 A	PIN 9 & 10 PULLDOWN RESISTORS OMITTED
G03 183 B	ALL PULLDOWN RESISTORS OMITTED

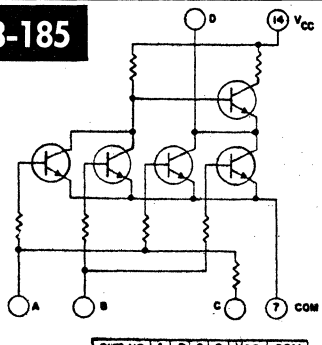


G03-184



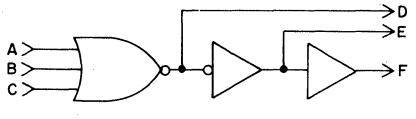
CKT. NO.	A	B	C
1	1	2	7
2	3	5	6

G03-185

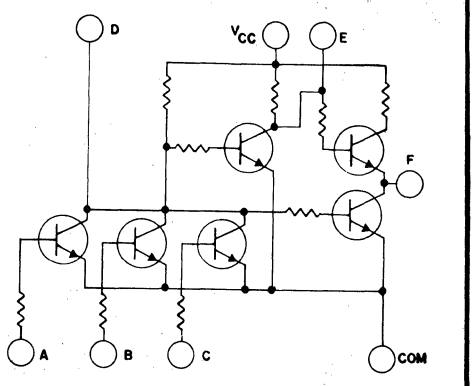


	CKT. NO	A	B	C	D	VCC	COM
G03-185	1	2	5	1	6	14	7
	2	13	9	12	8		
G03-185A	1	13	2	12	3	11	4
	2	6	10	9	5		

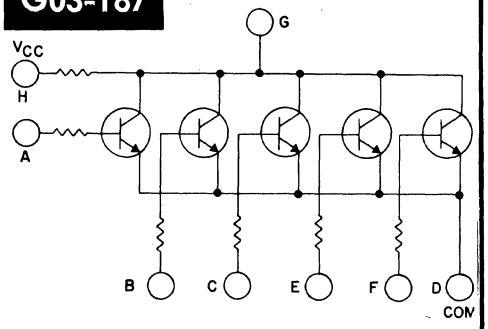
G03-186



	CKT. NO.	A	B	C	D	E	F	COM	VCC
G03-186	1	4	5	6	3	2	1	7	14
	2	8	9	10	11	12	13		
G03-186A	1	1	2	3	14	13	12	4	11
	2	5	6	7	8	9	10		

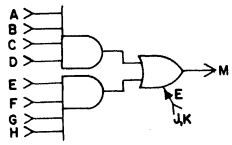


G03-187



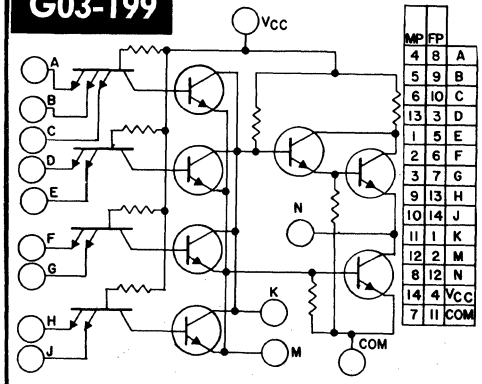
A	B	C	D	E	F	G	H	PKG STYLE
1	2	3	4	5	6	7	8	CN
2	3	4	5	6	7	9	10	FP

G03-189



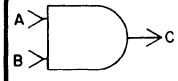
	CKT NO.	A	B	C	D	E	F	G	H	J	K	M	V_{CC}	COM
G03-189	1	13	14	1	2	3						12	4	10
	2	5	6	7	8	9						11		
G03-189A	1	13	1	2	3	5	6	7	9			12	4	10
G03-189B	1	14	1	2	3	5	6	7	8	9	13	12	4	10
G03-189C	1	5	6			9	11			7	8	12	4	10
	2	1	14			2	3					13		

G03-199

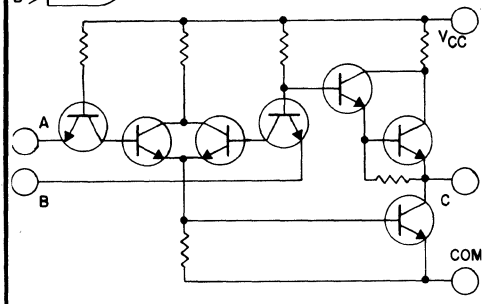


MP	FP	
4	8	A
5	9	B
6	10	C
13	3	D
1	5	E
2	6	F
3	7	G
9	13	H
10	14	J
11	1	K
12	2	M
8	12	N
14	4	VCC
7	11	COM

G03-200

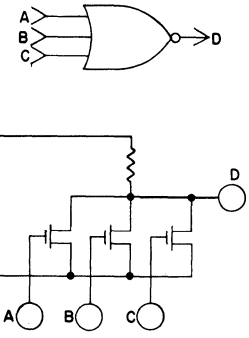


	PKG	CKT NO.	A	B	C	VCC	COM
G03-200	M	1	2	3	1	14	7
		2	5	6	4		
		3	8	9	10		
		4	11	12	13		
	FP	1	1	2	3	4	11
		2	6	7	5		
		3	9	10	8		
		4	12	13	14		

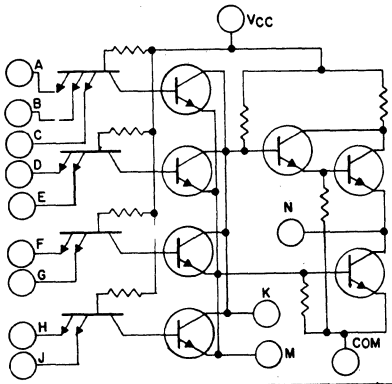


G03-202

CKT NO.	A	B	C	D
1	2	3	4	1
2	7	8	9	6



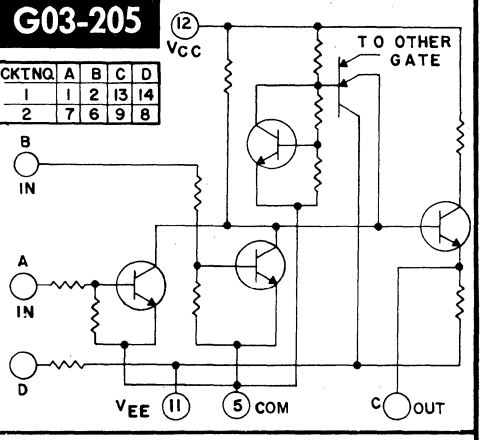
G03-204



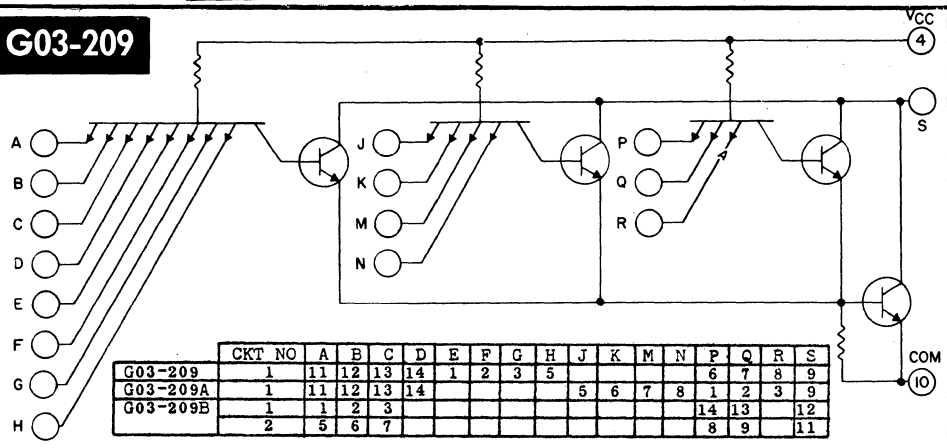
	A	B	C	D	E	F	G	H	J	K	M	N	V_{CC}	COM
G03-204	14	1	2	3	5	6	7	8	9	12	13	11	4	10

G03-205

CKT NO.	A	B	C	D
1	1	2	13	14
2	7	6	9	8

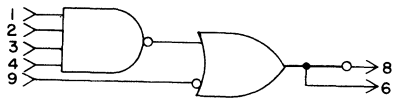


G03-209

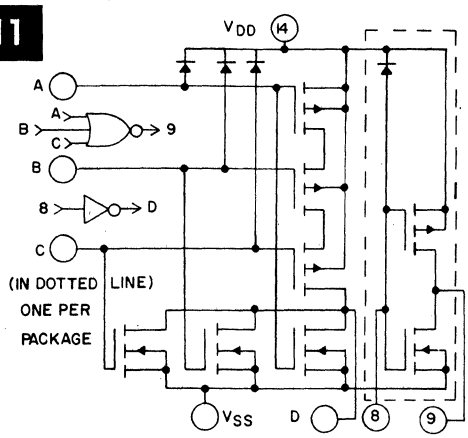


	CKT NO	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S
G03-209	1	11	12	13	14	1	2	3	5					6	7	8	9
G03-209A	1	11	12	13	14					5	6	7	8	1	2	3	9
G03-209B	1	1	2	3										14	13		12
	2	5	6	7										8	9		11

G03-210



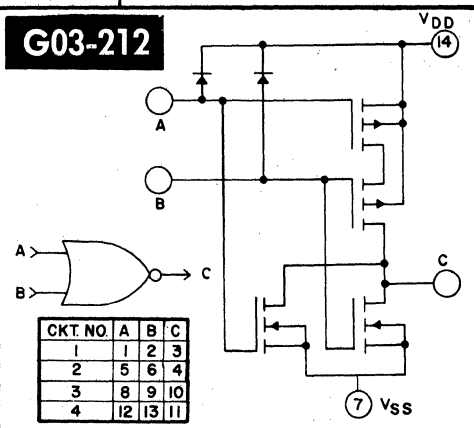
G03-211



CKT NO.	A	B	C	D
1	3	4	5	6
2	11	12	13	10

G03-211a — DELETE DIODES AND CONNECTIONS

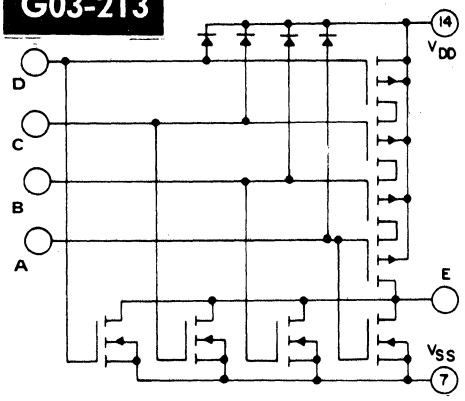
G03-212

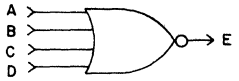


CKT. NO.	A	B	C
1	1	2	3
2	5	6	4
3	8	9	10
4	12	13	11

A VERSION DELETE DIODES AND CONNECTIONS

G03-213

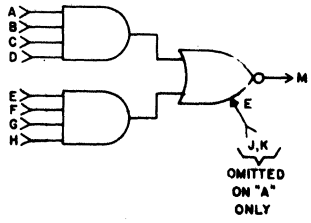




CKT. NO.	A	B	C	D	E
1	2	3	4	5	1
2	9	10	11	12	13

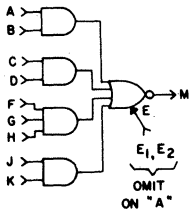
A VERSION DELETE DIODES AND CONNECTIONS

G03-214



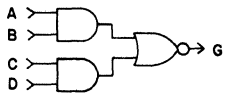
	PKG	CKT NO	A	B	C	D	E	F	G	H	J	K	M	V_{CC}	COM
G03-214 and a	FP	1	3	5	NC	NC	13	14	NC	NC	2	1	12	4	11
		2	6	7	NC	NC	8	9	NC	NC	NC	NC	10	4	11
	MP	1	1	3	NC	NC	9	10	NC	NC	12	11	8	14	7
		2	2	3	NC	NC	4	5	NC	NC	NC	NC	6	14	7
G03-214b	FP	1	1	2	3	14	5	6	7	8	9	13	12	4	11
	MP	1	1	2	3	4	13	12	11	10	9	5	8	14	7

G03-215



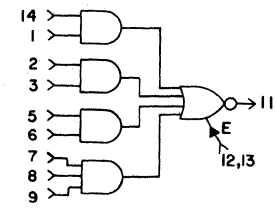
	PKG.	A	B	C	D	E	E_2	F	G	H	J	K	M	V_{CC}	COM
G03-215,A	FP	3	5	6	7	1	2	8	9	10	13	14	12	4	11
	MP	1	13	2	3	11	12	4	5	6	9	10	8	14	7

G03-218



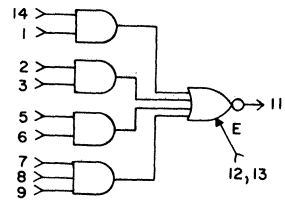
	PKG.	CKT.	A	B	C	D	E	F	G	V_{CC}	COM
G03-218	MP	1	1	13	10	9	12	11	8	14	7
		2	2	3	4	5			6		
G03-218a	FP	1	3	5	13	14	2	1	12		
		2	6	7	8	9			10	4	11
G03-218b	FP	1	14	13	2	3			12		
		2	5	6	8	9			10	4	11
	MP	1	1	2	4	5			6		
		2	9	10	12	13			8	14	7
G03-218c	FP	1	3	5	6				2		
		2	7	8	9				10	4	11
		3	1	13	14				12		
	MP	1	1	2	13				12		
		2	3	4	5				6	14	7
		3	9	10	11				8		
G03-218d	FP	1	2	3					1		
		2	5	6					7		
		3	8	9					10		
		4	13	14					12	4	11
	MP	1	1	2					3		
		2	4	5					6	14	7
		3	9	10					8		
		4	12	13					11		

G03-221



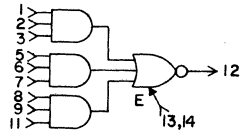
V_{CC} 4 COM 10

G03-222



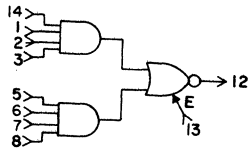
V_{CC} 4 COM 10

G03-223



4 V_{CC} 10 COM

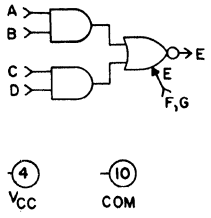
G03-224



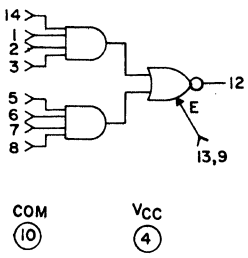
COM 10

G03-225

CKT NO.	A	B	C	D	E	F	G
1	14	1	2	3	13	NC	NC
2	5	6	9	11	12	7	8

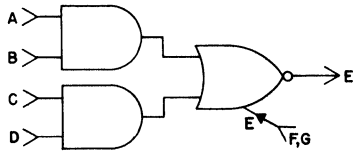


G03-226

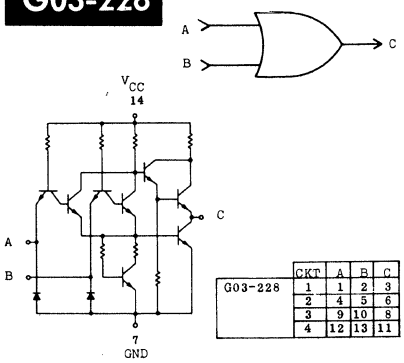


G03-227

CKT NO.	A	B	C	D	E	F	G
1	14	1	2	3	13	NC	
2	5	6	9	11	12	7	8



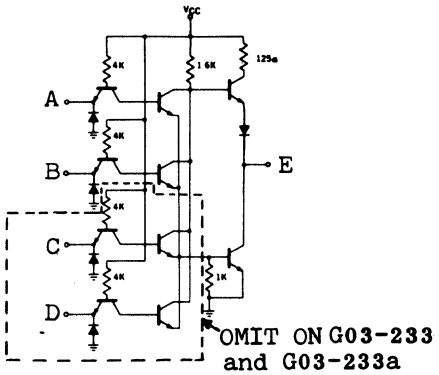
G03-228



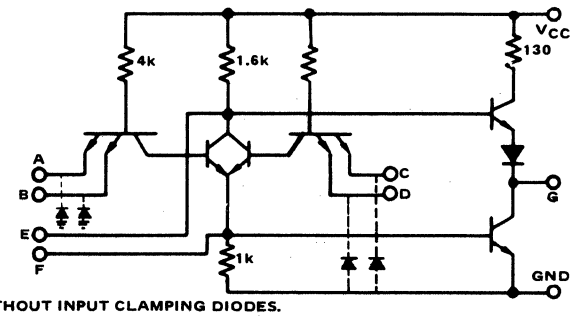
	CKT	A	B	C
G03-228	1	1	2	3
	2	4	5	6
	3	9	10	8
	4	12	13	11

G03-233

	CKT NO.	A	B	C	D	E	V_{CC}	G_{ND}
G03-233	1	1	2			3	4	11
	2	6	7			5	4	11
	3	9	10			8	4	11
	4	12	13			14	4	11
G03-233a	1	2	3			1	14	7
	2	5	6			4	14	7
	3	8	9			10	14	7
	4	11	12			13	14	7
G03-233b	1	1	2	13		12	14	7
	2	3	4	5		6	14	7
	3	9	10	11		8	14	7
G03-233c	1	1	13	14		12	4	11
	2	3	5	6		2	4	11
	3	7	8	9		10	4	11
G03-233d	1	1	2	4	5	6	14	7
	2	9	10	12	13	8	14	7
G03-233e	1	2	3	13	14	12	4	11
	2	5	6	8	9	10	4	11



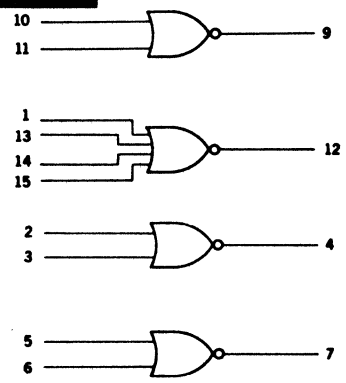
G03-236



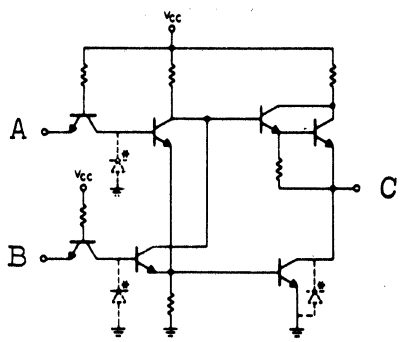
G03-236 — WITHOUT INPUT CLAMPING DIODES.

	PKG	CKT	A	B	C	D	E	F	G	VCC	GND
G03-236a	MP	1	1	13	10	9			8	14	7
		2	2	3	4	5			6		
G03-236b	MP	1	1	13	10	9	11	12	8	14	7
		2	2	3	4	5			6		

G03-237



G03-241

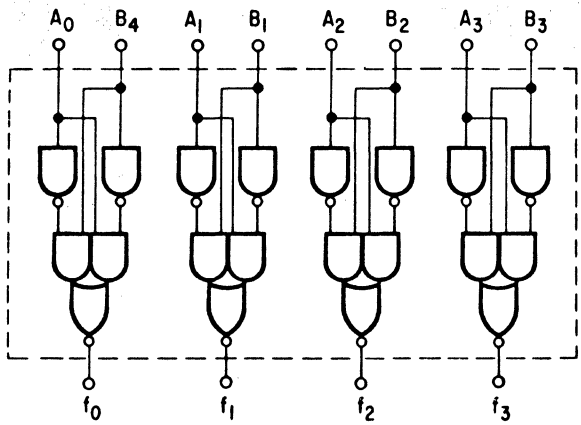


G03-241a — ISOLATION DIODES OMITTED.

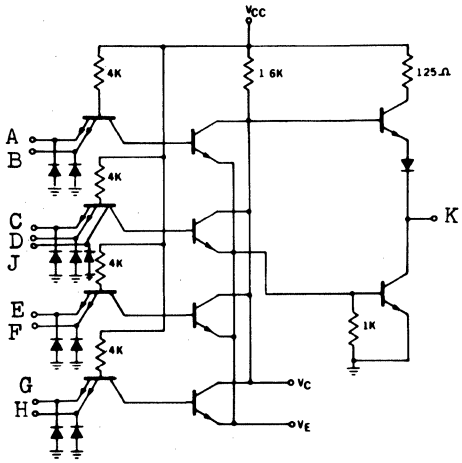
	PKG	CKT	A	B	C	VCC	GND
G03-241,a	MP	1	2	3	1	14	7
		2	5	6	4	14	7
		3	8	9	10	14	7
		4	11	12	13	14	7
	FP	1	1	2	3	4	11
		2	6	7	5	4	11
		3	12	13	14	4	11
		4	9	10	8	4	11

G03-242

	PKG	CKT	A	B	F	VCC	GND
G03-242	M	1	1	2	3	14	7
		2	6	5	4	14	7
		3	8	9	10	14	7
		4	13	12	11	14	7
	FP	1	5	6	7	4	11
		2	10	9	8	4	11
		3	12	13	14	4	11
		4	3	2	1	4	11



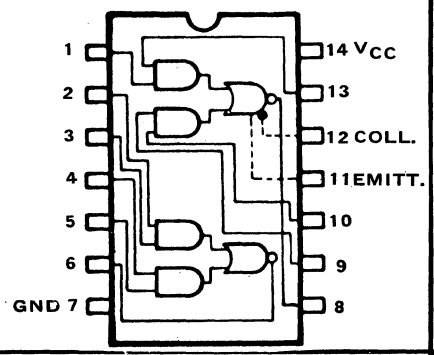
G03-243



	PKG	CKT	A	B	C	D	E	F	G	H	J	K	VC	VE	VCC	GND
G03-243	FP	1	3	5	13	14						12	2	1	4	11
		2	6	7	8	9						10				
	M	1	1	13	9	10						8	12	11	14	7
		2	2	3	4	5						6				
G03-243a	FP	1	3	5	13	14						12			4	11
		2	6	7	8	9						10				
	M	1	1	13	9	10						8			14	7
		2	2	3	4	5						6				
G03-243b	FP	1	3	5	6	7	8	9	13	14		12	2	1	4	11
	MP	1	1	13	9	10	2	3	4	5		8	12	11	14	7
G03-243c	FP	1	3	5	6	7	8	9	13	14		12			4	11
	M	1	1	13	9	10	2	3	4	5		8			14	7
G03-243d	FP	1	2	3	1	13					14	12			4	11
		2	8	9	5	6					7	10				
	M	1	4	5	1	2					3	6			14	7
		2	13	12	9	10					11	8				

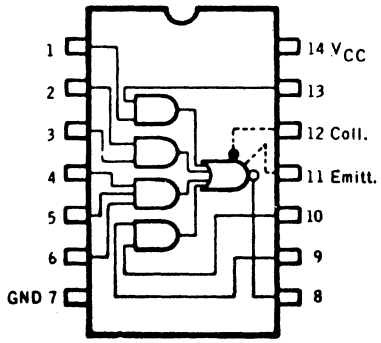
G03-248

EXPANDERS PIN No. 11 & 12 OMITTED ON G03-248a.

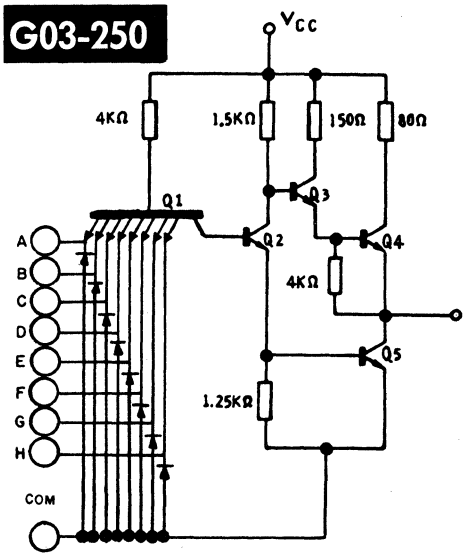


G03-249

EXPANDERS PIN NO. 11 & 12 OMITTED ON G03-249a



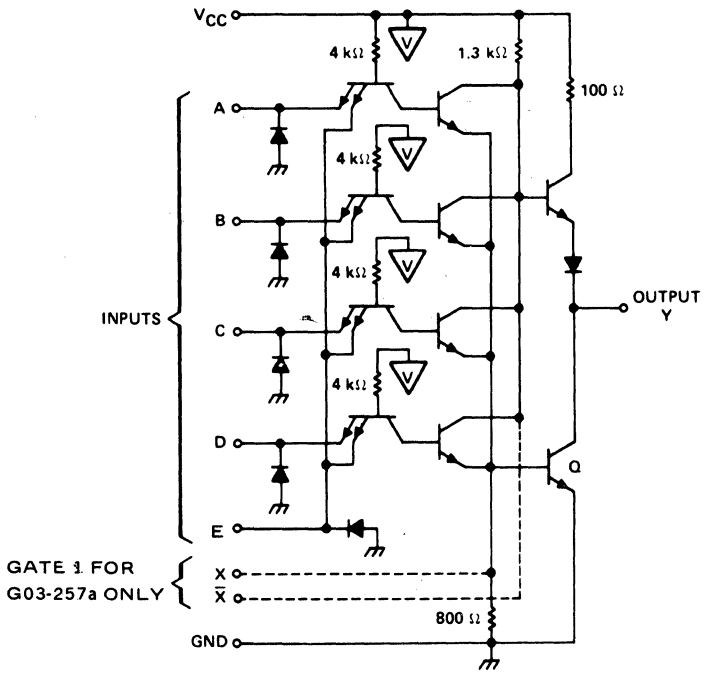
G03-250



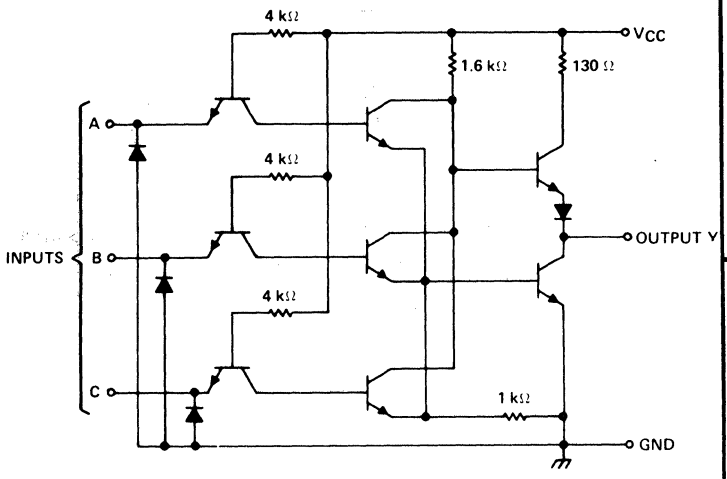
	CKT	A	B	C	D	E	F	G	H	J	VCC	COM
G03-250	1	1	2	4	5					6	14	7
	2	9	10	12	13					8		
G03-250a	1	1	2							3	14	7
	2	4	5							6		
	3	9	10							8		
	4	12	13							11		
G03-250b	1	13	1	2						12	14	7
	2	3	4	5						6		
	3	9	10	11						8		
G03-250c	1	10	11	12	13	1	2	3	4	8	14	7
G03-250d	1	1								2	14	7
	2	3								4		
	3	5								6		
	4	9								5		
	5	11								10		
	6	13								12		
G03-250e	1	11	12	1	2	3	4	5	6	8	14	7

G03-257

	CKT NO	A	B	C	D	E	X	$\bar{X}$	Y	VCC	GNL
G03-257	1	1	2	4	5	3			6	14	7
	2	9	10	12	13	11			8		
G03-257a	1	2	3	5	6	4	1	15	7	16	8
	2	10	11	13	14	12			9		

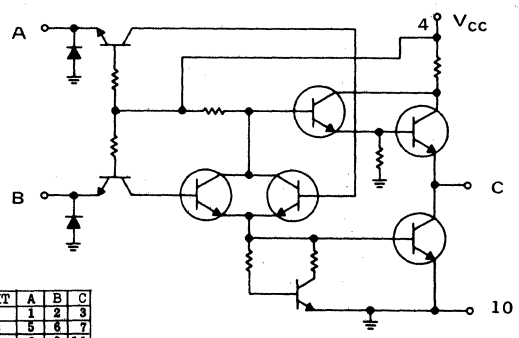


G03-258



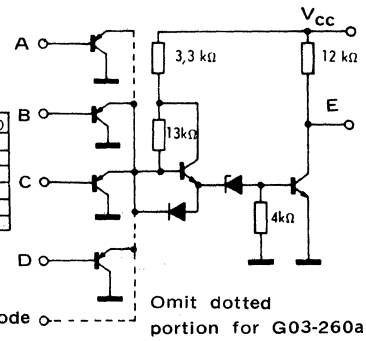
	CKT NO	A	B	C	Y	VCC	GND
G03-258	1	1	2	13	12	14	7
	2	3	4	5	6		
	3	9	10	11	8		

G03-259



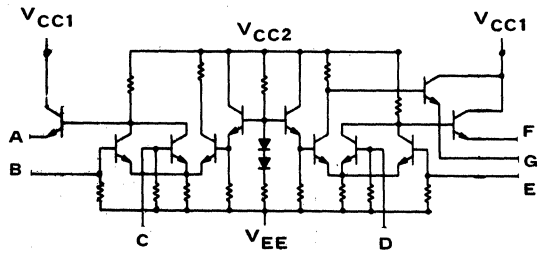
	PKG	CKT	A	B	C
G03-259	FP,M	1	1	2	3
		2	5	6	7
		3	8	9	11
		4	12	13	14

G03-260



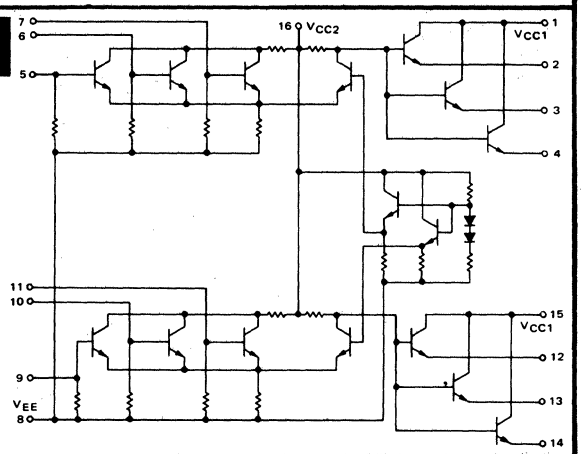
	A	B	C	D	E	NODE	VCC	GND
G03-260	1	2	4	5	6	3	14	7
	13	12	10	9	8	11	14	7
G03-260a	1	2			3		14	7
	4	5			6		14	7
	9	10			8		14	7
	12	13			11		14	7

G03-262

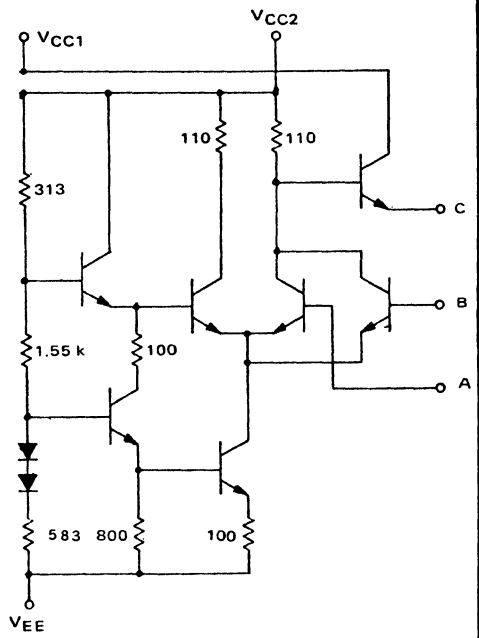


	PKG	CKT	A	B	C	D	E	F	G	VCC1	VCC2	VEE
G03-262	ALL	1	14	10	11	12	13	15	9	1	14	8
		2	3	7	6	4	5	2	NC			
G03-262a	FP	1	14	10	11	12	13	15	NC	1	14	8
		2	3	7	6	4	5	2	NC			
	DIL	1	12	8	9	10	11	13	NC	1	16	15
		2	3	7	6	4	5	2	NC			

G03-263

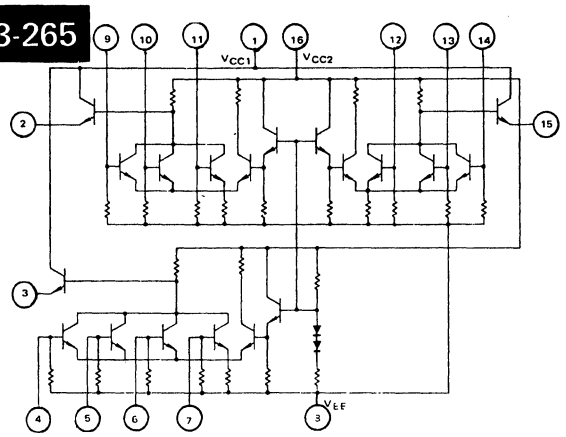


G03-264

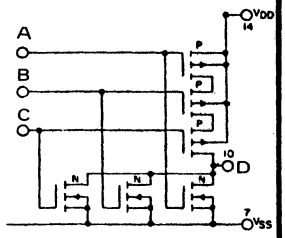


	CKT	A	B	C	VCC1	VCC2	VEE
G03-264	1	2	3	4	1	16	8
	2	5	6	7			
	3	10	11	9			
	4	13	14	12			

G03-265

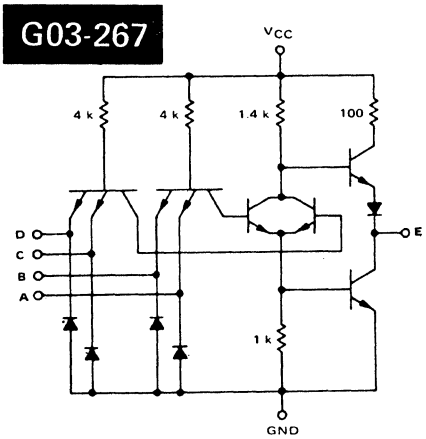


G03-266



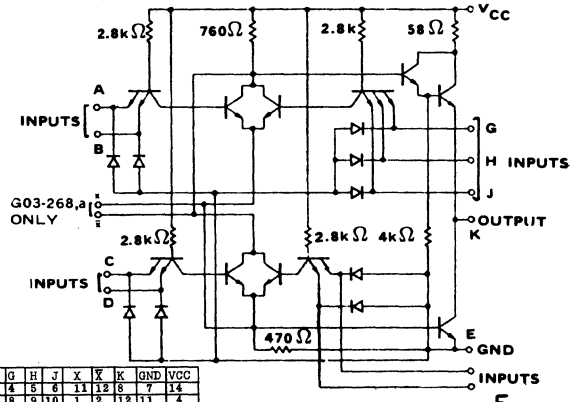
	CKT	A	B	C	D
G03-266	1	3	4	5	6
	2	1	2	8	9
	3	11	12	13	10

G03-267



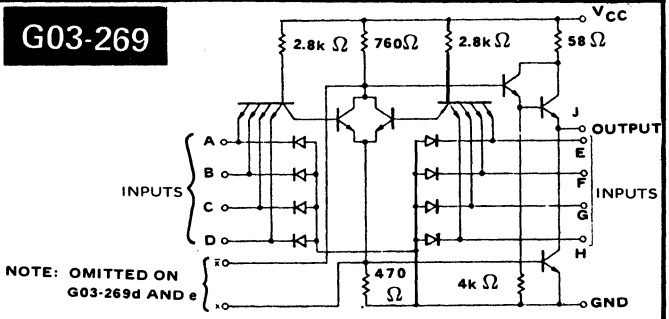
	CKT	A	B	C	D	E	VCC	GND
G03-267	1	1	NC	2	NC	3	4	11
	2	6	NC	7	NC	5		
	3	9	NC	10	NC	8		
	4	12	NC	13	NC	14		
G03-267a	1	3	5	13	14	12	4	11
	2	6	7	8	9	10		

G03-268



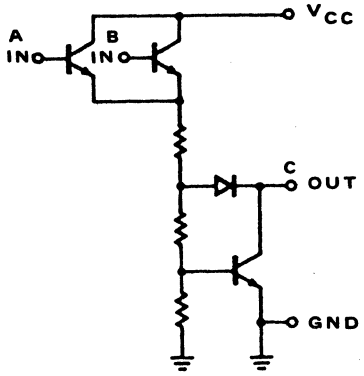
	A	B	C	D	E	F	G	H	J	X	X̄	K	GND	VCC
G03-268	13	1	2	3	9	10	4	5	6	11	12	8	7	14
G03-268a	3	5	6	7	13	14	8	9	10	1	2	12	11	4
G03-268b	13	1	2	3	9	10	4	5	6	NC	NC	8	7	14
G03-268c	3	5	6	7	13	14	8	9	10	NC	NC	12	11	4
G03-268d	13	1	4	5	10		9	2	3	NC	12	11	8	7	14
G03-268e	13	1	4	5	10		9	2	3	NC	NC	NC	8	7	14

G03-269



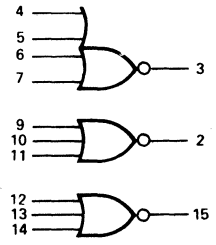
	CKT	A	B	C	D	E	F	G	H	X	X	J	GND	VCC
G03-269	1	10	11	12	13	1	2	3	4	9	5	8	7	14
G03-269a	1	14	1	2	3	5	6	7	8	13	9	12	11	4
G03-269b,d	1	9	10	NC	NC	13	1	NC	NC	12	8	11	7	14
	2	2	3	NC	NC	4	5	NC	NC	NC	NC	6		
G03-269c,e	1	3	5	NC	NC	13	14	NC	NC	2	1	12	11	4
	2	6	7	NC	NC	8	9	NC	NC	NC	NC	10		

G03-270

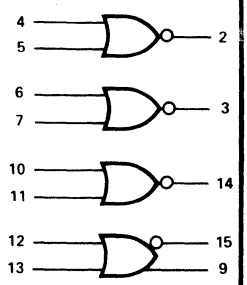


	CKT	A	B	C	VCC	GND
G03-270	1	4	5	3	8	1
	2	6	7	2		
	3	9	10	14		
	4	11	12	13		

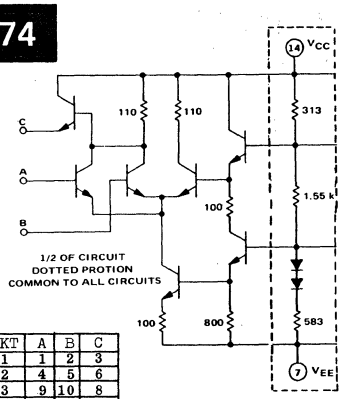
G03-271



G03-272

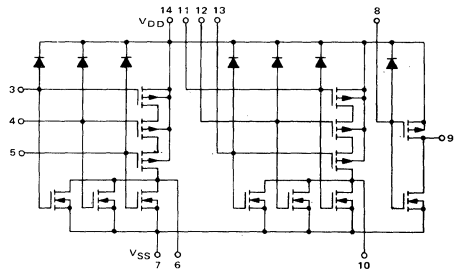


G03-274

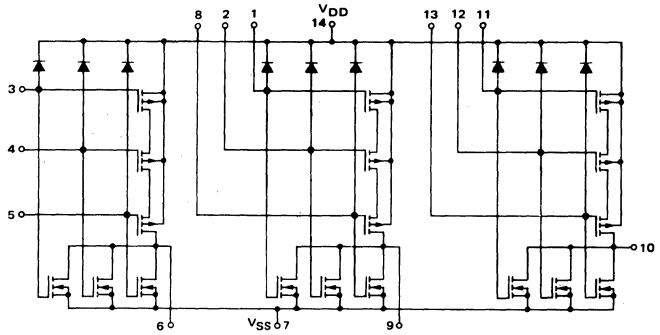


G03-274	CKT	A	B	C
	1	1	2	3
	2	4	5	6
	3	9	10	8
	4	12	13	11

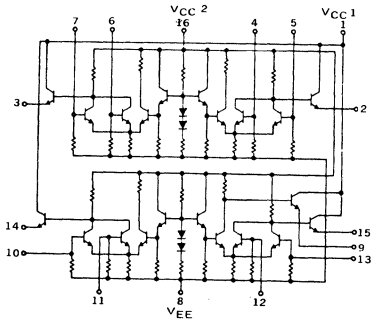
G03-275



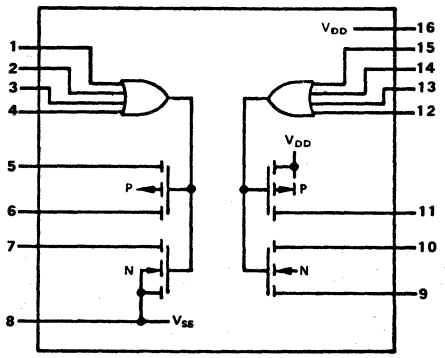
G03-276



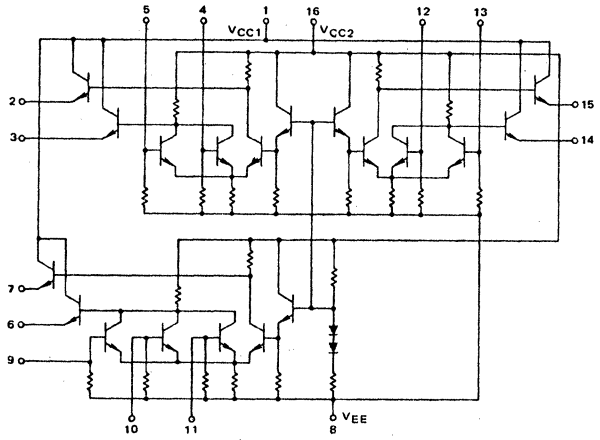
G03-277



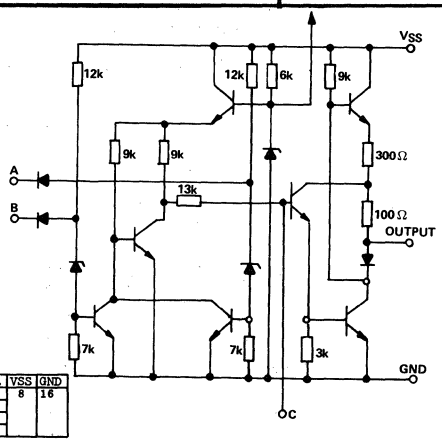
G03-278



G03-279

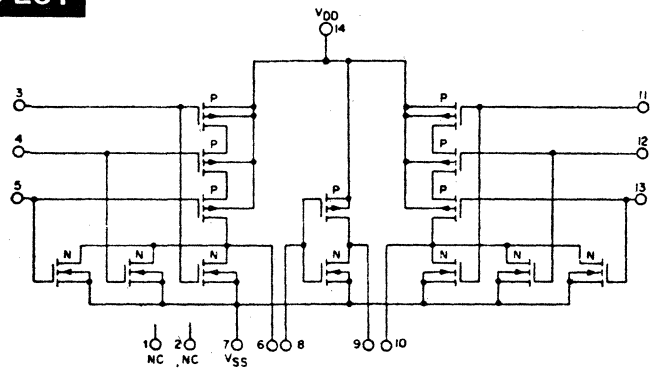


G03-280

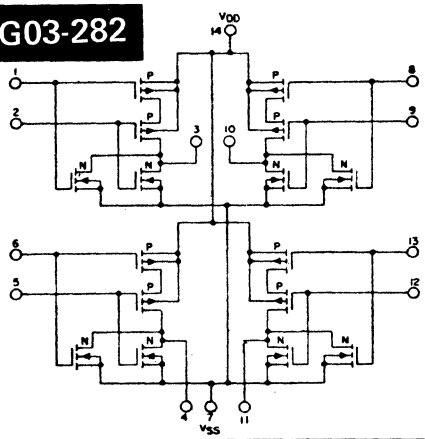


G03-280	CKT	A	B	C	OUTP.	VSS	GND
	1	2	3	4	1	8	16
	2	5	6		7		
	3	10	11		9		
	4	13	14	16	12		

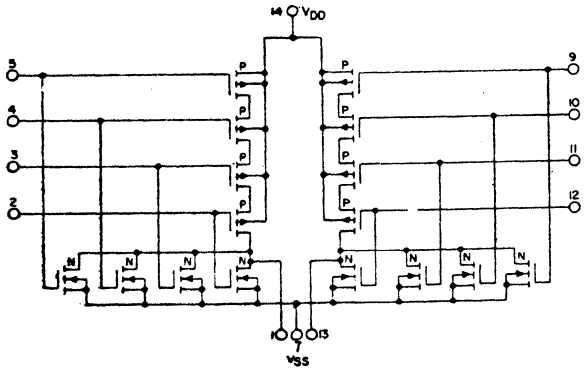
G03-281



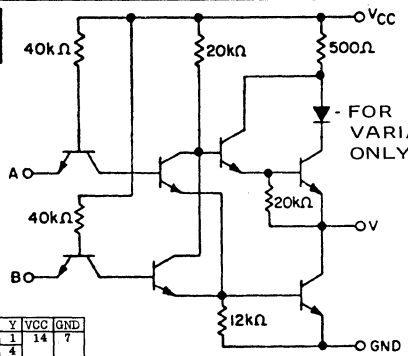
G03-282



G03-283

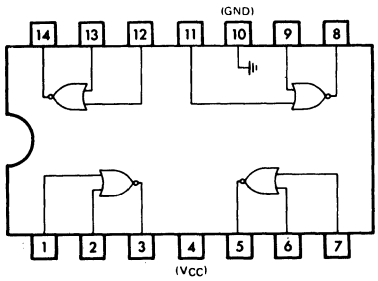


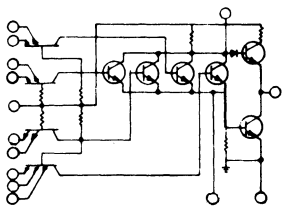
G03-284



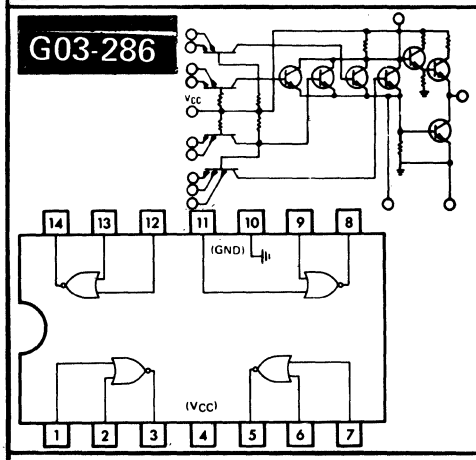
	CKT	A	B	Y	VCC	GND
G03-284	1	2	3	1	14	7
	2	5	6	4		
	3	8	9	10		
	4	11	22	13		
G03-284a	1	1	2	3	4	11
	2	6	7	5		
	3	9	10	8		
	4	12	13	14		

G03-285

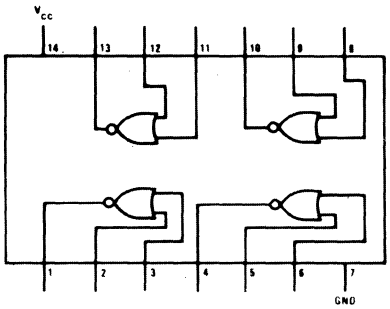




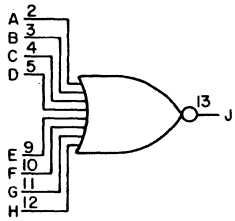
G03-286



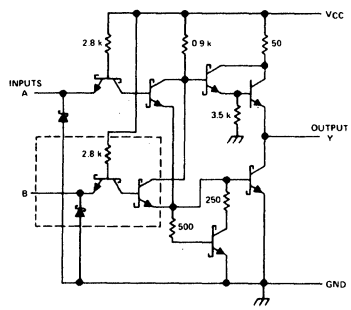
G03-287



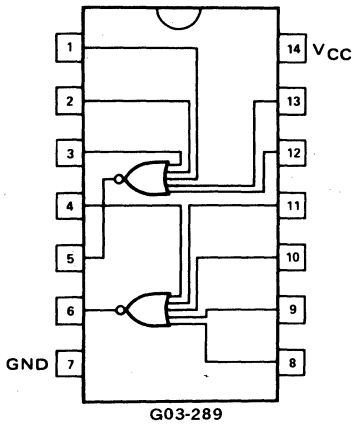
G03-288



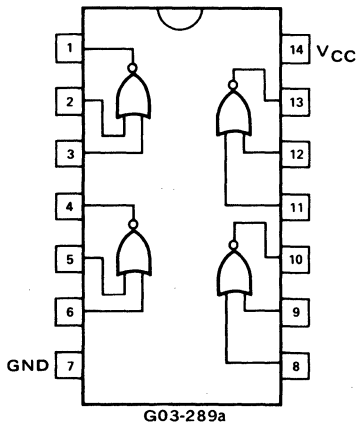
G03-289



THIS PORTION OF THE SCHEMATIC WITHIN THE DASHED LINES IS REPEATED FOR EACH ADDITIONAL INPUT OF G03-289, AND THE 0.9 #kΩ RESISTOR IS CHANGED TO 0.6 kΩ.

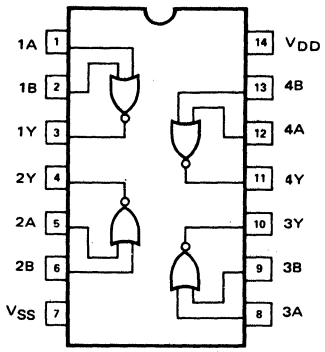


G03-289

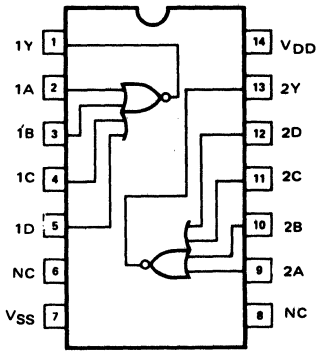


G03-289a

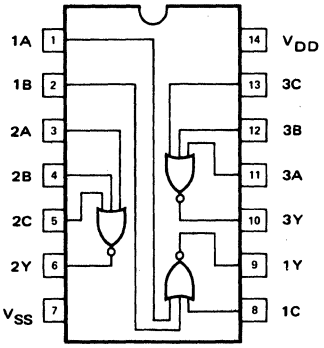
G03-290



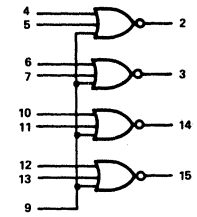
G03-291



G03-292

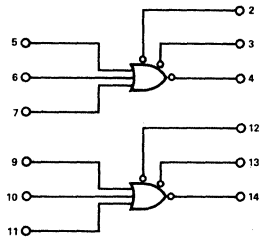


G03-293



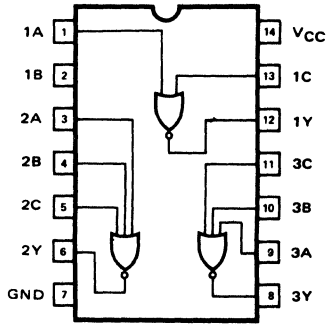
V_{CC1} = 1, V_{CC2} = 16, V_{EE} = 8

G03-294

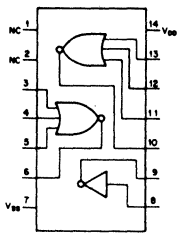


V_{CC1} = 1, 15, V_{CC2} = 16, V_{EE} = 8

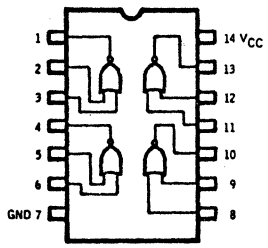
G03-295

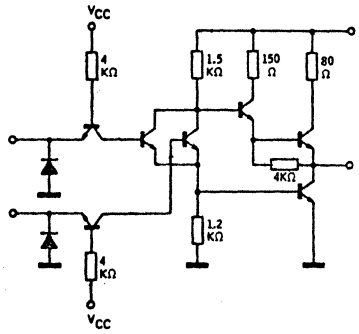


G03-296

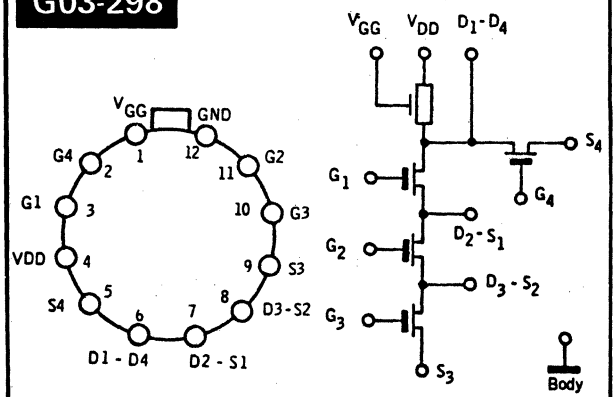


G03-297

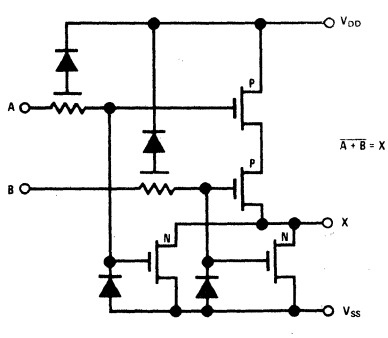


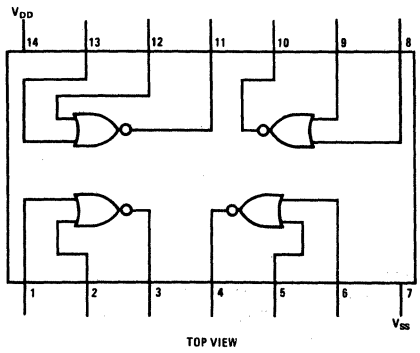


G03-298

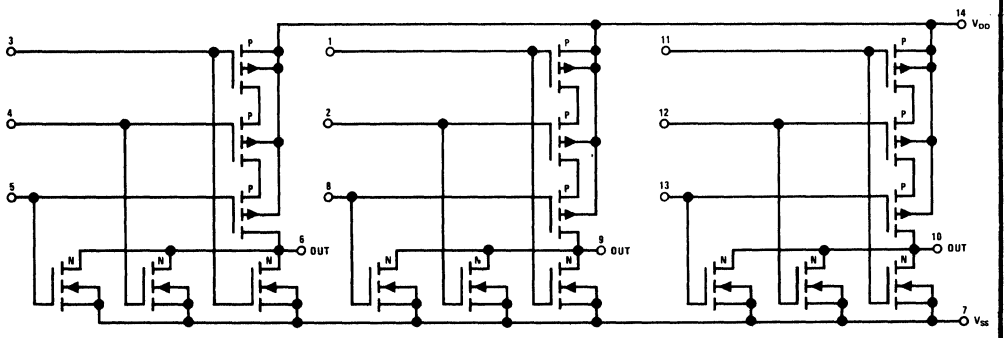


G03-299

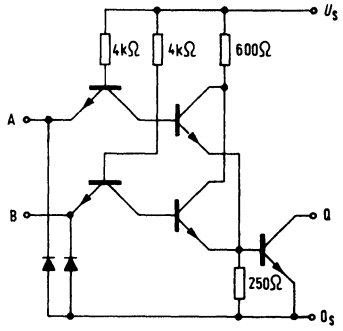




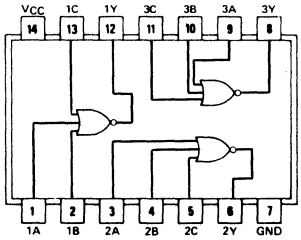
G03-300

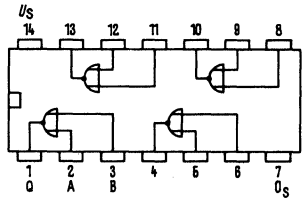


G03-301



G03-302





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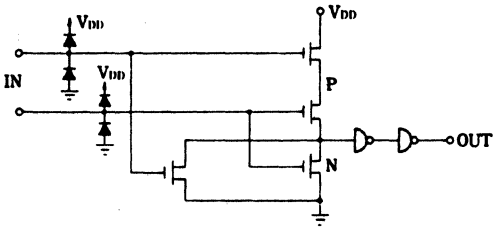
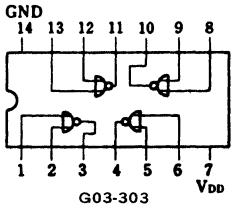
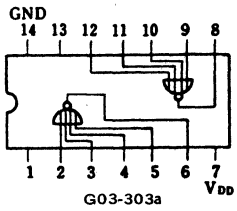
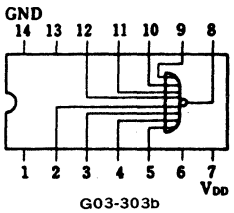




G03-303

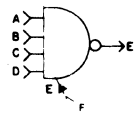


G03-303a



G03-303b

G04-1



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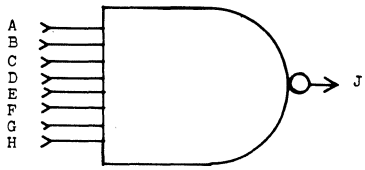
G04-1D	1	8	J	H	6	F	7
	2	5	D	C	3	E	4
	3	14	R	P	12	N	13
	4	11	L	K	9	M	10
	5	20	X	W	18	V	19
	6	17	T	S	15	U	16
G04-1E	1	1	2	4	5	6	3
	2	13	12	10	9	8	11

G04-3



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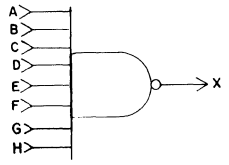
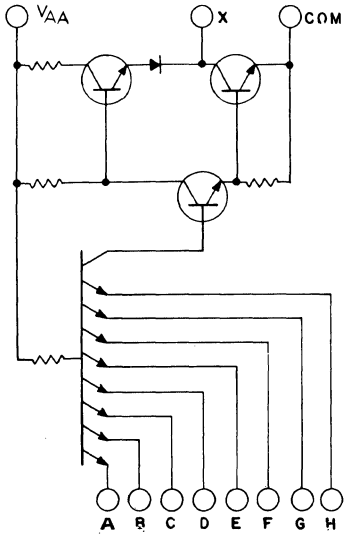
	2	4	6	8						10		
	3	18	16	14						12		
	4	17	15	16						11		
	5	19	21	23						25		
	6	20	22	24						26		
	7	34	32	30						28		
	8	33	31	29						27		
	9	35	37	39						41		
	10	36	38	40						42		
	11	50	48	46						44		
	12	49	47	45						43		
G04-3a	1	3	A	B						5		
	2	1	2	C						4		
	3	8	F	7						11		
	4	H	6	J						9		
	5	15	12	R						17		
	6	13	14	S						16		
	7	X	V	W						22		
	8	18	19	20						21		
G04-3b	1	1	2	13						12	14	7
	2	3	4	5						6	14	7
	3	9	10	11						8	14	7
G04-3c	1	44	46	45						40	14	7
	2	49	48	47						50	14	7
	3	39	42	41						43	14	7
	4	32	34	33						28	14	7
	5	37	36	35	38					38	14	7
	6	27	30	29	31					31	14	7
	7	20	22	21	16					16	51	1,52
	8	25	24	23						36	51	1,52
	9	15	18	17						19	51	1,52
	10	8	10	9						4	51	1,52
	11	13	12	11						14	51	1,52
	12	3	6	5						7	51	1,52
G04-3e	1	3	4	5	6	7	8	10		9		
	2	11	13	14	15	16	17	18		12		
	3	19	20	21	22	23	24	26		25		
	4	27	29	30	31	32	33	34		28		
	5	35	36	37	38	39	40	42		41		
	6	43	45	46	47	48	49	50		44		
G04-3f	1	4	5							6		
	2	A	B							1		
	3	C	D							2		
	4	E	F							3		
	5	13	14							15		
	6	H	J							10		
	7	7	8							9		
	8	S	T							U		
	9	V	Z							19		
	10	16	17							V		
	11	W	18							X		
	12	20	21							22		
G04-3g	1	1	2							3		
	2	4	5							6		
	3	13	12							11		
	4	10	9							8		
G04-3k	1	1	3							2		
	2	4	6							5		
	3	5	10							9		
	4	11	13							12		
G04-3m	1	44	46							45	51	1,52
	2	48	47							50	51	1,52
	3	39	42	43						43	51	1,52
	4	40	45							41	51	1,52
	5	32	34							37	51	1,52
	6	36	35							38	51	1,52
	7	27	30							31	51	1,52
	8	28	33							29	51	1,52
	9	20	22							25	51	1,52
	10	24	23							26	51	1,52
	11	15	18							19	51	1,52
	12	16	21							17	51	1,52
	13	8	10							13	51	1,52
	14	12	11							14	51	1,52
	15	3	6							7	51	1,52
	16	4	9							5	51	1,52

	CKT. No.	A	B	C	D	E	F	G	H	J	VCC	GND
G04-3n	1	48	47			•				49	51	1,52
	2	44	45							42	51	1,52
	3	40	39							41	51	1,52
	4	38	35							36	51	1,52
	5	32	31							33	51	1,52
	6	28	29							26	51	1,52
	7	24	23							25	51	1,52
	8	22	19							20	51	1,52
	9	16	15							17	51	1,52
	10	12	13							10	51	1,52
	11	8	7							9	51	1,52
	12	6	3							4	51	1,52
G04-3p	1	24	23	21	25					26		
	2	22	19	17	15					20		
	3	16	11	9	13					18		
	4	14	7	5	3					12		
	5	32	31	29	27					28		
	6	6	4	2	1					10		
G04-3q	1	1	2	4	5					6		
	2	9	10	12	13					8		
G04-3r	1	4	A	B	C					E		
	2	1	2	3	D					5		
	3	11	F	H	J					9		
	4	6	7	8	10					K		
	5	16	12	R	S					U		
	6	13	14	15	T					17		
	7	21	18	V	W							
	8	X	19	20	Y					22		
G04-3s	1	1	2	4	5					6	14	7
	2	9	10	12	13					8	14	7
G04-3t	1	1	2	3	4					6	14	7
	2	10	11	12	13					8	14	7
G04-3u	1	44	46	48	47					50	51	1,52
	2	39	42	40	45					43	51	1,52
	3	32	34	36	35					38	51	1,52
	4	27	30	28	33					31	51	1,52
	5	20	22	24	23					26	51	1,52
	6	15	18	16	21					19	51	1,52
	7	8	10	12	11					14	51	1,52
	8	3	6	4	9					7	51	1,52
G04-3v	1	1	2	3	4	7	8	9	10	12	14	11
G04-3w	1	1	2	3	5	6	7	9	13	12	4	10
G04-3x	1	13	1	2	3					12	4	10
	2	5	6	7	9					11	4	10
G04-3y	1	1	2	3						14	4	10
	2	6	7	8						5	4	10
	3	11	12	13						9	4	10
G04-3z	1	1	2							3	4	10
	2	5	6							7	4	10
	3	8	9							11	4	10
	4	12	13							14	4	10
G04-3aa	1	42	41	40	45	44	46	49	48	43	51	1,52
	2	30	29	28	33	32	34	37	36	31	51	1,52
	3	18	17	16	21	20	22	25	24	19	51	1,52
	4	6	5	4	9	8	10	13	12	7	51	1,52
G04-3ab	1	2	3							14		
	2	13	12							4		
	3	11	10							5		
	4	6	7							8		
G04-3ac	1	29	28							27		
	2	25	26							23		
	3	31	30							22		
	4	21	19							20		
	5	13	12							11		
	6	9	10							7		
	7	16	15							14		
	8	6	4							5		
G04-3ad	1	1	2							3		
	2	4	5							6		
	3	9	10							8		
	4	12	13							11		
G04-3ae	1	1	2	3	4	5	6	11	12	8		
G04-3af	1	5	A	B	C	3	2	1	E	4		
	2	11	8	H	J	K	6	7	9	10		
	3	18	15	R	S	12	13	14	17	16		
	4	Z	U	V	W	X	19	20	22	21		

	CKT. No.	A	B	C	D	E	F	G	H	J	VCC	GND
G04-3ag	1	8	J	3						C		
	2	7	H	6						F		
	3	5	D	4						E		
	4	14	R	9						K		
	5	13	P	12						N		
	6	11	L	10						M		
	7	20	X	15						S		
	8	19	W	18						V		
	9	17	T	16						U		
G04-3ah	1	15	20	X						S		
	2	19	W	18						V		
	3	17	T	16						U		
	4	14	R							13		
	5	P	12							N		
	6	11	L							M		
	7	K	9							10		
	8	3	8	J						C		
	9	7	H	6						F		
	10	5	D	4						E		
G04-3aj	1	2	X							19		
	2	W	18							V		
	3	17	T							U		
	4	S	15							16		
	5	14	R							13		
	6	P	12							N		
	7	11	L							M		
	8	K	9							10		
	9	8	J							7		
	10	H	6							F		
	11	5	D							E		
	12	C	3							4		
G04-3am	1	18	20	22						16		
	2	24	6	4						2		
	3	10	12	14						8		
	4	9	3	1						11		
	5	5	7	21						23		
	6	17	15	13						19		
	7	31	29	27						25		
	8	28	30	32						26		
G04-3ap	1	9	10	12	13	19	18	17		11		
	2	4	5	6	7	16	15	14		8		
	3	28	29	26	25	34	32	31		24		
	4	20	21	22	29	35	33	30		23		
G04-3aq	1	29	30	31	33	34				37		
	2	44	43	42	41	40				38		
	3	45	50	46	47					39		
	4	28	27	26	25					36		
	5	14	13	12	11					8		
	6	24	23	22						35		
	7	15	18	19						10		
	8	3	4	5						9		
	9	6	2	1						7		
	10	21	20							17		
G04-3ar	1	2	4							5	14	7
	2	10	11							6	14	7
G04-3as	1	1	2							3	14	7
	2	4	5							6	14	7
	3	9	10							8	14	7
	4	12	13							11	14	7
G04-3aw	1	2	3	4	5					1	14	7
	2	9	10	11	12					13	14	7
G04-3ax	1	1	2							3	14	7
	2	5	6							4	14	7
	3	8	9							10	14	7
	4	12	13							11	14	7
G04-3ay	1	1	2	3	4	5	6	11	12	8	14	7
G04-3az	1	2	3							1	14	7
	2	5	6							4	14	7
	3	12	11							13	14	7
	4	9	8							10	14	7
G04-3ba	1	1	2	3	4	10	11	12	13	8	14	7
G04-3bb	1	1	2	3	4	5				6	14	7
	2	8	9	10	11	12				13	14	7

G04-14





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		3	9	10						8		
		4	12	13						14		
	MP	1	1	2						3		
		2	4	5			NC			6	14	7
		3	9	10						8		
		4	12	13						11		
G0414a	FP	1	1	2	14					3		
		2	6	7	8		NC			5	4	11
		3	9	10	12					13		
	MP	1	1	2	13					12		
		2	3	4	5		NC			6	14	7
		3	9	10	11					8		
G0414b	FP	1	6	7	8	9				10		
		2	1	12	13	14	NC			2	4	7
	MP	1	1	2	4	5				6		
		2	9	10	12	13	NC			8	14	7
G0414c	FP	1	2	3	5	6	7	8	9 10	12	4	11
	MP	1	1	2	3	4	5	6	11 12	8	14	7
G0414d		1	1	2	4	5				6		
		2	9	10	12	13	NC			8	14	7
G0414e		1	1	2						3		
		2	4	5			NC			6	14	7
		3	9	10						8		
		4	12	13						11		
G0414f		1	1	2	13					12		
		2	3	4	5		NC			6	14	7
		3	9	10	11					8		
G0414g	FP	1	1							14		
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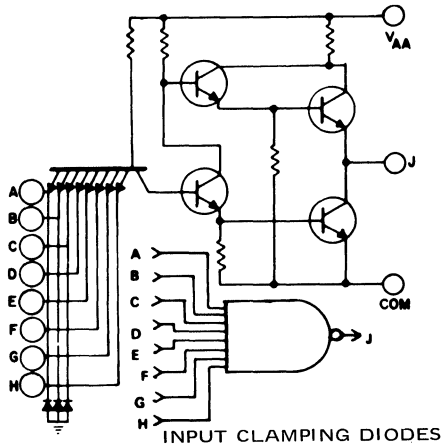
		4	7							8		
		5	9							10		
		6	13							12		
	MP	1	1							2		
		2	3				NC			4	14	7
		3	5							6		
		4	9							8		
		5	11							10		
		6	13							12		
G0414h		1	1	2	3	4	5	6	11 12	8	14	7

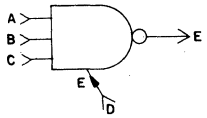
G04-15



INPUT CLAMPING DIODES FOR a,b,f,n ONLY (US, DM 54 & 74 TYPES)

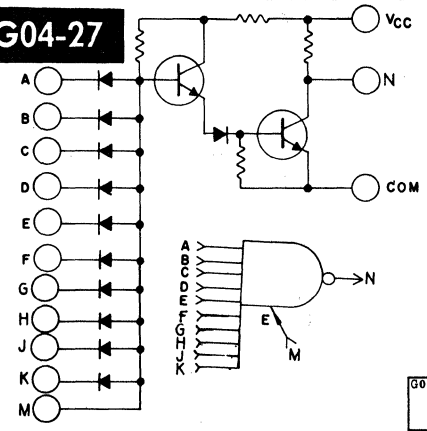
PKG.	CKT.NO.	A	B	C	D	E	F	G	H	J	VAA	COM
G04-15	FP 1	12	13	14	1					2	4	11
	2	6	7	8	9					10		
	MP 1	2	13	14	15					3	5	12
	2	7	8	9	10					11		
G04-15a	FP 1	1	2							3	4	11
	2	6	7							5		
	3	9	10							8		
	4	12	13							14		
	MP 1	1	2							3	14	7
	2	4	5							6		
	3	9	10							8		
	4	12	13							11		
G04-15b	FP 1	12	13	14	1					2	4	11
	2	6	7	8	9					10		
	MP 1	9	10	12	13					8	14	7
	2	1	2	4	5					6		
G04-15c	FP 1	1	13	14						12	4	11
	2	3	5	6						2		
	3	7	8	9						10		
	MP 1	1	2	13						12	14	7
	2	3	4	5						6		
	3	9	10	11						8		
G04-15d	FP 1	2	3	13	14					12	4	11
	2	5	6	8	9					10		
	MP 1	2	3	4	5					6	14	7
	2	9	10	11	12					13		
G04-15e	FP 1	2	3							1	4	11
	2	5	6							7		
	3	10	9							8		
	4	14	13							12		
G04-15f	FP 1	1	2	14						3	4	11
	2	6	7	8						5		
	3	9	10	12						13		
	MP 1	1	2	13						12	14	7
	2	3	4	5						6		
	3	9	10	11						8		
G04-15g	FP 1	1	2	3	4	5	6	11	12	8	14	7
G04-15h	FP 1	2	3	13	14					12	4	11
	2	5	6	8	9					10		
	MP 1	1	2	4	5					6	14	7
	2	9	10	12	13					8		
G04-15j	FP 1	1	2							3	4	11
	2	5	6							7		
	3	8	9							10		
	4	13	14							12		
	MP 1	1	2							3	14	7
	2	4	5							6		
	3	9	10							8		
	4	12	13							11		
G04-15k	FP 1	1	12	13	14					2	4	11
	2	6	7	8	9					10		
	MP 1	2	3	4	5					6	14	7
	2	9	10	11	12					13		
G04-15m	FP, 1	9	10	12	13					8	14	7
	MP 2	1	2	4	5					6		
G04-15n	MP, 1	2	3							1	4	11
	FP 2	5	6							7		
	3	9	10							8		
	4	12	13							14		
G04-15p	MP 1	12	11	1	2	3	4	5	6	8	14	7
G04-15q	MP 1	NC	NC	NC	1	2	4	5		6	14	7
	2	NC	NC	NC	9	10	12	13		8		
G04-15r	FP 1	1	12	13	14					2	4	11
	2	6	7	8	9					10		
	MP 1	1	2	4	5					6	14	7
	2	9	10	12	13					8		

G04-17



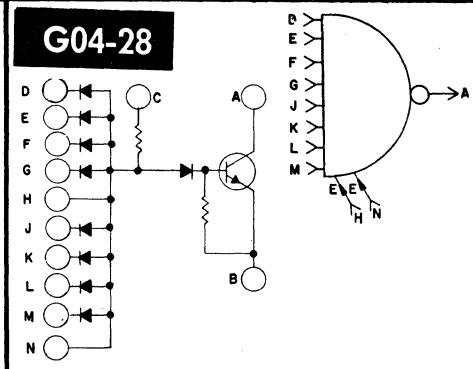
	CKT.NO.	A	B	C	D	E	V_{CC}	COM
G04-17	1	27	28	29	30	31		
	2	24	23	22	21	25		
	3	19	18	17	16	20		
	4	14	13	12	11	15		
	5	9	8	7	6	10		
	6	4	3	2	1	5		
G04-17a	1	1	2	3		5	14	7
	2	11	12	13		9	14	7
G04-17b	1	1	2	3		5	4	10
	2	6	7	8		9	4	10
	3	11	12	13		14	4	10

G04-27



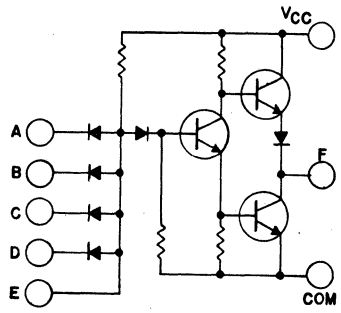
	CKT.NO.	A	B	C	D	E	F	G	H	J	K	L	M	N	VCC	COM
G04-27	1	1	2											3	14	7
	2	4	5											6	14	7
	3	10	9											8	14	7
	4	13	12											11	14	7
G04-27a	1	1	2	4	5		3	6							14	7
	2	9	10	12	13		11	8							14	7
G04-27b	1	6	7	8	9								5	10	4	11
	2	1	2	13	14								3	12	4	11
G04-27c	1	3	5	6										2	4	11
	2	7	8	9										10	4	11
	3	1	13	14										12	4	11
G04-27d	1	2	3											1	4	11
	2	5	6											7	4	11
	3	8	9											12	4	11
	4	13	14											12	4	11
G04-27e	1	3	5										6	2	4	11
	2	8	9										7	10	4	11
	3	13	14										1	12	4	11
G04-27f	1	5	6	7	8	9								10	4	11
	2	1	2	3	13	14								12	4	11
G04-27g	1	13	1	2										12	14	7
	2	3	4	5										6	14	7
	3	9	10	11										8	14	7
G04-27j	1	1											2	3	14	7
	2	4											5	6	14	7
	3	10											9	8	14	7
	4	13											12	11	14	7
G04-27k	1	1	2	3	4	5								6	14	7
	2	9	10	11	12	13								8	14	7
G04-27m	1	2	4	5	9	10	12	13					11	8	14	7
G04-27n	1	1	2	3	4	5	9	10	11	12	13			8	14	7
G04-27p	1	1	2	3										4	10	5
	2	9	8										7	6	10	5
G04-27q	1	1	2	13										12	14	7
	2	3	4	5										6	14	7
	3	9	10	11										8	14	7
G04-27r	1	1	2	4	5								3	6	14	7
	2	9	10	12	13								11	8		

G04-28



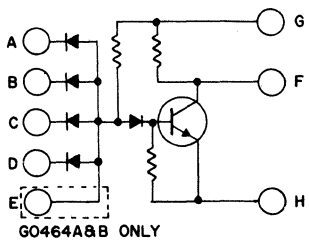
	PKG.	CKT NO	A	B	C	D	E	F	G	H	J	K	L	M	N
G04-28	CN	1	5	10	4	1	2	3	NC	NC	NC	NC	NC	NC	NC
		2	11	10	4	6	7	8	NC	NC	NC	NC	NC	NC	NC
	FP1	1	1	14	7	10	11	12	NC	NC	NC	NC	NC	NC	NC
		2	8	14	7	3	4	5	NC	NC	NC	NC	NC	NC	NC
	FP2	1	6	10	5	2	3	4	NC	NC	NC	NC	NC	NC	NC
		2	1	10	5	7	8	9	NC	NC	NC	NC	NC	NC	NC
G04-28A	CN	1	5	10	4	1	2	3	12	NC	NC	NC	NC	NC	NC
		2	11	10	4	6	7	8	9	NC	NC	NC	NC	NC	NC
	FP	1	1	14	7	9	10	11	12	NC	NC	NC	NC	NC	NC
		2	8	14	7	2	3	4	5	NC	NC	NC	NC	NC	NC
G04-28B	CN	1	5	10	4	12	1	2	3	NC	NC	NC	NC	NC	NC
		2	11	10	4	6	7	8	9	NC	NC	NC	NC	NC	NC
	FP	1	1	14	7	10	11	12	13	NC	NC	NC	NC	NC	NC
		2	8	14	7	3	4	5	6	NC	NC	NC	NC	NC	NC
G04-28C	FP	1	1	14	7	9	10	11	12	13	NC	NC	NC	NC	NC
		2	8	14	7	2	3	4	5	6	NC	NC	NC	NC	NC
G04-28D	CN	1	5	10	4	12	1	2	NC	3	NC	NC	NC	NC	NC
		2	11	10	4	6	7	8	NC	9	NC	NC	NC	NC	NC
	FP	1	1	14	7	10	11	F2	NC	13	NC	NC	NC	NC	NC
		2	8	14	7	3	4	5	NC	6	NC	NC	NC	NC	NC
G04-28E	CN	1	6	5	7	1	2	3	8	4	NC	NC	NC	NC	NC
	FP1	1	1	14	7	9	10	11	12	13	NC	NC	NC	NC	NC
	FP2	1	7	6	8	1	2	3	4	5	NC	NC	NC	NC	NC
G04-28F	CN	1	11	10	4	1	2	6	7	9	8	12	NC	NC	NC
G04-28G	CN	1	11	10	4	1	2	3	5	9	6	7	8	12	NC
G04-28H	FP	1	1	14	7	2	3	4	5	8	9	10	11	12	13
G04-28J		1	2	14	7	12	13	1	NC	NC	NC	NC	NC	NC	NC
		2	11	14	7	3	4	5	NC	NC	NC	NC	NC	NC	NC
		3	6	14	7	8	9	10	NC	NC	NC	NC	NC	NC	NC
G04-28K		1	2	14	7	12	13	NC	NC	NC	NC	NC	NC	NC	NC
		2	11	14	7	3	4	5	NC	NC	NC	NC	NC	NC	NC
		3	6	14	7	8	9	10	NC	NC	NC	NC	NC	NC	NC
G04-28M	CN	1	11	10	4	1	2	6	7	9	8	12	NC	NC	NC
	FP1	2	1	14	7	3	4	5	10	6	11	12	NC	NC	NC
	FP2	3	1	10	5	2	3	4	6	9	7	8	NC	NC	NC
G04-28N	FP	1	1	14	7	13	12	NC	NC	NC	NC	NC	NC	NC	NC
		2	8	14	7	5	6	NC	NC	NC	NC	NC	NC	NC	NC
		3	11	14	7	2	3	NC	NC	NC	NC	NC	NC	NC	NC
		4	4	14	7	9	10	NC	NC	NC	NC	NC	NC	NC	NC
G04-28P	FP	1	11	10	4	8	9	NC	NC	NC	NC	NC	NC	NC	NC
	CN	2	5	10	4	2	3	NC	NC	NC	NC	NC	NC	NC	NC
		3	1	10	4	6	NC	NC	NC	NC	NC	NC	NC	NC	NC
		4	7	10	4	12	NC	NC	NC	NC	NC	NC	NC	NC	NC
G04-28RS	FP	1	3	10	4	5	6	NC	NC	7	NC	NC	NC	NC	NC
	CN	2	8	10	4	1	2	NC	NC	NC	NC	NC	NC	NC	NC
		3	12	10	4	9	11	NC	NC	NC	NC	NC	NC	NC	NC
G04-28ST	FP	1	12	14	7	2	NC	NC	NC	NC	NC	NC	NC	NC	NC
		2	10	14	7	4	NC	NC	NC	NC	NC	NC	NC	NC	NC
		3	8	14	7	6	NC	NC	NC	NC	NC	NC	NC	NC	NC
		4	5	14	7	9	NC	NC	NC	NC	NC	NC	NC	NC	NC
		5	3	14	7	11	NC	NC	NC	NC	NC	NC	NC	NC	NC
		6	1	14	7	13	NC	NC	NC	NC	NC	NC	NC	NC	NC

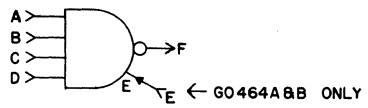
G04-37



	PKG	CKT NO	A	B	C	D	E	F	V_{CC}	COM
G04-37	CN	1	1	2	12			11	4	10
		2	6	7	8			9		
	FP1	1	4	5	6			3	7	14
		2	9	10	11			12		
	FP2	1	3	4	5			1	6	1
		2	7	8	9			10		
G04-37a	MP	1	2	3	4	5	6	1	7	14
		2	12	11	10	9	8	13		
G04-37b	CN	1	1	2	12			3	11	4	10
		2	6	7	8			5	9	4	10
	FP	1	3	4	5			6	1	7	14
		2	9	10	11			8	13	7	14

G04-64



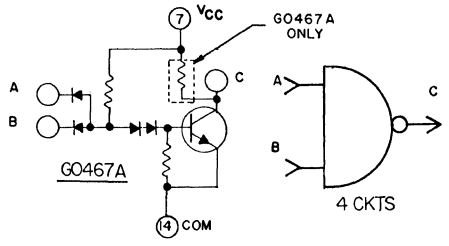


	CKT NO	A	B	C	D	E	F	G	H
G0464b	1	12	13	NC	NC	1	2		
	2	3	4	5	NC	NC	11	7	14
	3	8	9	10	NC	NC	6		
G0464c	1	9	10	11	12	NC	1		
	2	2	3	4	5	NC	8	7	14
G0464d	1	9	10	11	12	13	1		
	2	2	3	4	5	6	8	7	14
G0464e	1	13	12				1		
	2	5	6				8	7	14
	3	2	3				11		
	4	9	10				4		
G0464f	1	8	9		NC		11		
	2	2	3				5	4	10
	3	12					7		
	4	6					1		
G0464g	1	12	13	1			2		
	2	3	4	5	NC		11	7	14
	3	8	9	10			6		
G0464h	1	6	7	8	9		5		
	2	12	1	2	3		11	4	10

SECTION 12. LOGIC DRAWING

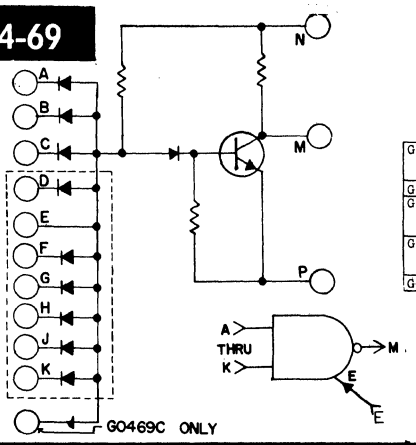
IN DRAWING NUMBER SEQUENCE

G04-67



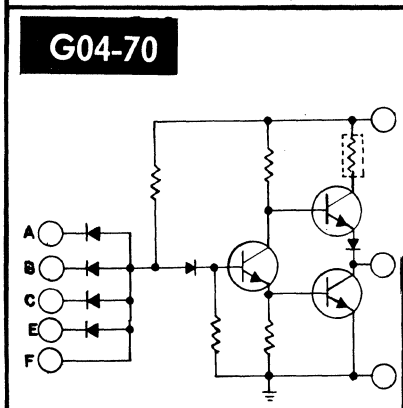
CKT NO	A	B	C
1	13	12	1
2	5	6	8
3	2	3	11
4	9	10	4

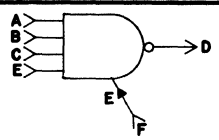
G04-69



	CKT	A	B	C	D	E	F	G	H	J	K	M	N	P	R
G0469b	1	12	13	1								2	7	14	
	2	3	4	5	NC							11	7	14	NC
	3	8	9	10								6	7	14	
G0469c	1	2	3	4	5	6	9	10	11	12	NC	1	7	14	13
G0469d	1	5	6			7						3	4	10	
	2	1	2			NC						8	4	10	NC
	3	9	11									12	4	10	
G0469e	1	5	6	7								3	4	10	
	2	1	2									8	4	10	
	3	9	11									12	4	10	
G0469f	1	12	1	2	3		5	6	7	8		11	4	10	9

G04-70



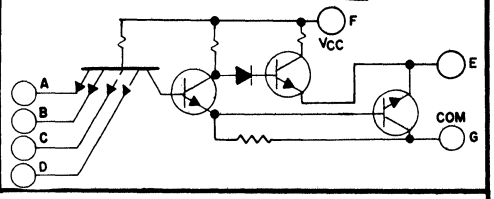


DOTTED IN SECTION IN G04-70B ONLY

	CKT NO	PACKAGE	A	B	C	D	E	F	V_{AA}	COM
G04-70	1&2									
G04-70A	1	CN	1	2	12	11			4	10
	2		6	7	8	9			4	10
	1	FP_1	4	5	6	3			7	14
	2		9	10	11	12			7	14
	1	FP_2	3	4	5	2			6	1
	2		7	8	9	10			6	1
G04-70B	1	MP	2	3	4	1	5	6	7	14
	2		12	11	10	13	9	8	7	14

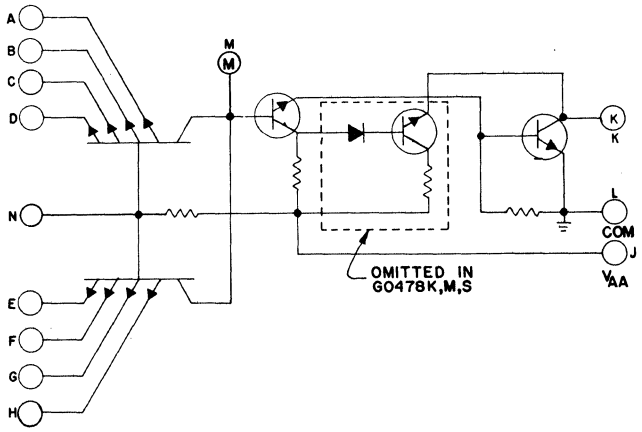
G04-71

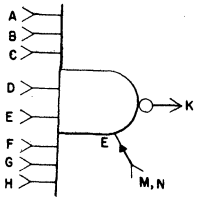
	CKT NO	A	B	C	D	E	F	G
G0471	1	1	2	3	13	12	4	10
	2	5	6	7	9	11		
G0471A	1	9	10	12	13	8	14	7
	2	1	2	4	5	6		
G0471B	1	1	2	3		12	14	7
	2	11	10	9	NC	8		
	3	3	4	5		6		
G0471C	1	12	13			11	14	7
	2	9	10		NC	8		
	3	4	5			6		
	4	1	2			3		



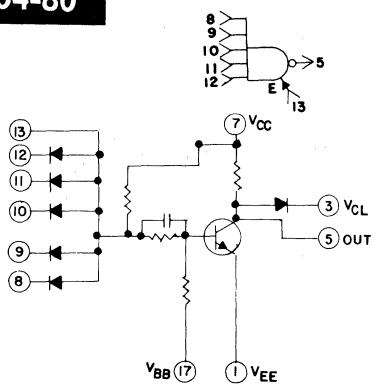
G04-78

	OUT LINE	CKT NO	A	B	C	D	E	F	G	H	K	M	N	V_{AA}	COM
G0478	CN	1	1	2	3	4	8	9	10	11	7	NC		12	6
	FP, MP	1	13	1	2	3	5	6	7	9	12			4	10
G0478A	FP, MP	1	1	2	3	14	5	6	7	8	12	13	9	4	10
G0478B	CN	1	1	2	3	4	NC				5	NC		12	6
		2	8	9	10	11					7				
	FP, MP	1	13	1	2	3	NC				12	NC		4	10
		2	5	6	7	9					11				
G0478C	FP, MP	1	1	2	3	NC					14	NC		4	10
		2	6	7	8						5				
		3	11	12	13						9				
G0478D	FP, MP	1	1	2	NC						3	NC		4	10
		2	5	6							7				
		3	8	9							11				
		4	13	12							14				
G0478E	CN	1	2	3	4	5	NC				7	NC		12	6
	FP	1	2	3	5	6	NC				11	NC		4	10
G0478F	CN	1	2	3	NC						5	NC		12	6
		2	9	10							7				
	FP, MP	1	1	2	NC						12	NC		4	10
		2	5	6							11				
G0478G	CN	1	1	2	7	NC					5	6	3	8	4
G0478H	CN	1	1	2	6	7	NC				5	NC		8	4
G0478J	CN	1	1	2	NC						3	NC		8	4
		2	8	3							5				
G0478K	CN	1	2	3	4	5	NC				7	NC		12	6
	FP	1	2	3	5	6	NC				11	NC		4	10
G0478M	CN	1	2	3	NC						5	NC		12	6
		2	9	10							7				
	FP, MP	1	1	2	NC						12	NC		4	10
		2	5	6							11				
G0478N	CN	1	1	2	6	7	NC				5	NC		8	4
G0478P	CN	1	1	2	6	7	NC				5	NC		8	4
G0478Q	FP, MP	1	1	2	3	NC					5	NC		4	10
		2	6	7	8						9				
		3	11	12	13						14				
G0478R	FP, MP	1	1	2	3	4	NC				5	NC		6	17
		2	8	9	10	11					7				
		3	13	14	15	16					12				
		4	18	19	20	21					22				
G0478S	FP, MP	1	13	1	2	3	NC				12	NC		4	10
		2	5	6	7	9					11				

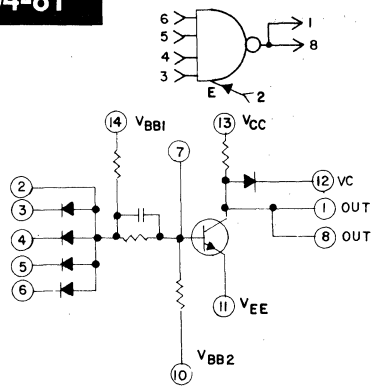




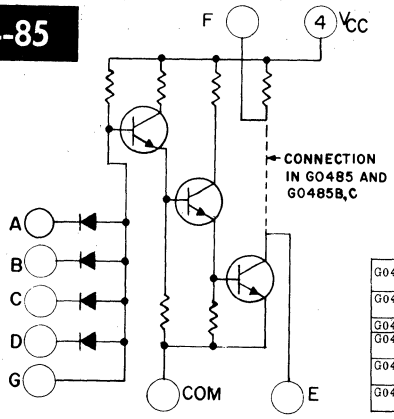
G04-80

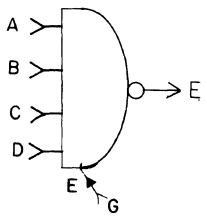


G04-81



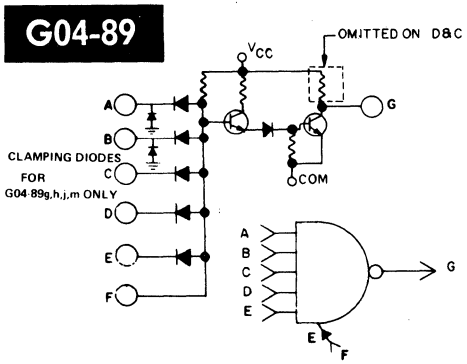
G04-85





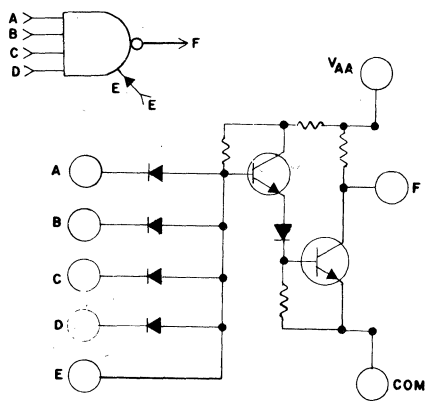
	CKT	A	B	C	D	E	F	G	V_{CC}	COM
G04-85	1	6	7	8	9	10			4	11
	2	1	2	13	14	12				
G04-85a	1	6	7	8		10	9	5	4	11
	2	1	2	14		12	13	3		
G04-85b	1	3	4	5	6	2		7	10	1
G04-85c	1	3	4	5		2			6	1
	2	7	8	9		10				
G04-85d	1	4	5	6		2	13	9	8	1
	2	10	11	12		14	3	7		
G04-85e	1	1	2	4	5	6		3	14	7
	2	9	10	12	13	8		11		

G04-89



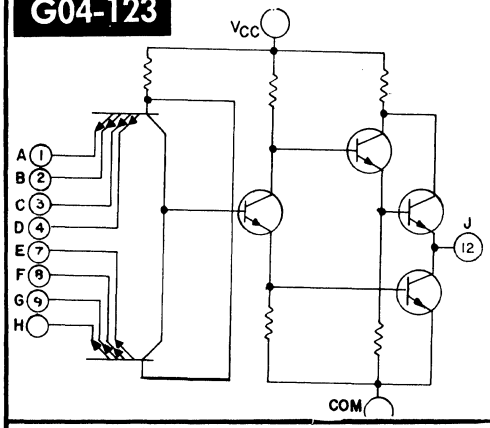
	CKT NO	A	B	C	D	E	F	G	V_{CC}	COM
G04-89	1	6	7	8	9	NC	5	10	4	11
	2	1	2	13	14	NC	3	12		
G04-89a, d	1	3	5	6				2	4	11
	2	7	8	9		NC		10		
	3	1	13	14				12		
G04-89b, c	1	2	3					1	4	11
	2	5	6			NC		7		
	3	8	9					10		
	4	13	14					12		
G04-89e	1	3	5				6	2	4	11
	2	8	9			NC	7	10		
	3	13	14				1	12		
G04-89f	1	5	6	7	8	9	NC	10	4	11
	2	1	2	3	13	14	NC	12		
G04-89g	1	3	4					2	8	1
	2	6	7			NC		5		
	3	12	13					14		
	4	10	9					11		
G04-89h	1	3	4	5				2	8	1
	2	7	9	10		NC		6		
	3	11	12	13				14		
G04-89j	1	3	4	5	6	NC	7	2	8	1
	2	13	12	11	10	NC	9	14		
G04-89k	1	13	12	11	10	9	NC	8	14	7
	2	1	2	3	4	5	NC	6		
G04-89m	1	3						2	8	1
	2	5						4		
	3	7						6		
	4	9						10		
	5	11						12		
	6	13						14		

G04-92

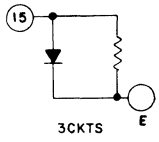


	CKT.NO.	A	B	C	D	E	F	V_{AA}	COM	OUTLINE
G04-92	1	1	2	3	NC	NC	4	10	5	CN
	2	9	8	NC	NC	7	6	10	5	
	1	1	2	4	5	3	6	14	7	FP & MP
	2	13	12	10	9	11	8	14	7	
G04-92a	1	1	2				3	14	7	FP & MP
	2	4	5		NC		6	14	7	
	3	9	10				8	14	7	
	4	12	13				11	14	7	
G04-92b	1	2	3				4	10	5	CN
	2	7	8				6	10	5	
	3	1					9	10	5	
	1	3	4	5			6	14	7	FP & MP
	2	9	10	11			8	14	7	
	3	2	1	13			12	14	7	
G04-92c	1	1	2				3	12	6	CN
	2	4					5	12	6	
	3	11	10				9	12	6	
	4	8					7	12	6	
	1	1	2				3	14	7	FP
	2	4	5				6	14	7	
	3	9	10				8	14	7	
	4	12	13				11	14	7	
G04-92d	1	1	2	3	4		5	12	6	CN
	2	11	9	8		10	7	12	6	
G04-92e	1	1	2				11	12	6	CN
	2	3	4				5	12	6	
	3	10	9	8			7	12	6	
G04-92f	1	1	2	3	4		5	12	6	CN
	2	11	10	9	8		7			
	1	1	2	4	5	3	6	14	7	FP
	2	13	12	10	9	11	8			
G04-92g	1	1	2				3	14	7	
	2	4	5				6			
	3	10	9				8			
	4	13	12				11			
G04-92h	1	1	2	3			13	14	10	
	2	4	5	6			7			
	3	12	11	9			8			
G04-92j	1	13	1	2			12	14	7	
	2	3	4	5			6			
	3	9	10	11			8			

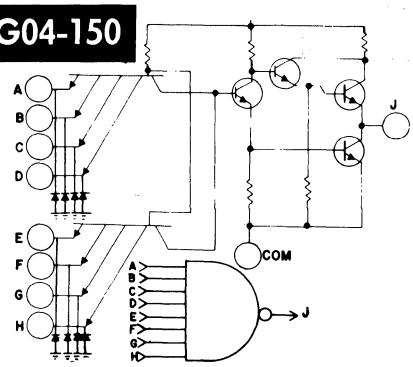
G04-123



CKT NO	1	2	3
A	D	K	R
B	E	L	S
C	F	M	T
D	H	N	U
E	J	P	V

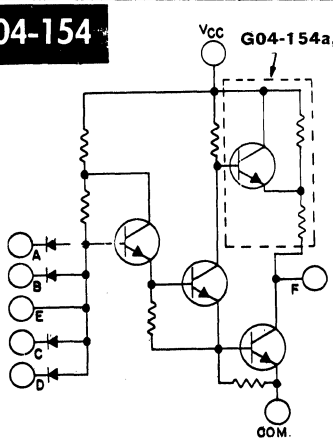


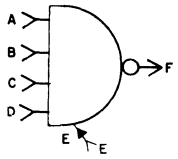
G04-150



	PKG.	A	B	C	D	E	F	G	H	J	VCC	COM
G04-150		11	10	9	8	6	5	4	3	1	2	12
G04-150A	FP	2	3	5	6	7	8	9	10	12	4	11
	MP	1	2	3	4	5	6	11	12	8	14	7

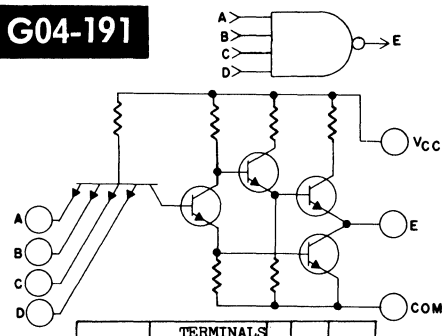
G04-154





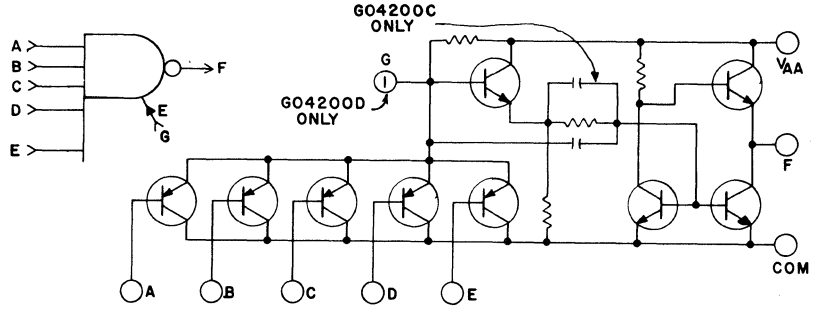
	CKT TERM	A	B	C	D	E	F	VCC	COM	PKG
G04-154	1	1	2	3	4		5	12	6	CN,
OR	2	11	10	9	8		7			FP
G04-154a	1	1	2	4	5	3	6	14	7	OR
	2	13	12	10	9	11	8			MP
G04-154b	1	1	2	3			4	10	5	
OR	2	8	9			7	6			CN,
G04-154c	1	1	2	4	5	3	6	14	7	FP
	2	9	10	12	13	11	8			OR
										MP
G04-154d	1	1	2	4	5	3	6	14	7	FP
	2	9	10	12	13	11	8			MP
G04-154e	1	1	2				3	14	7	
OR	2	5	6				4			
G04-154f	3	8	9				10			
	4	12	13				11			

G04-191



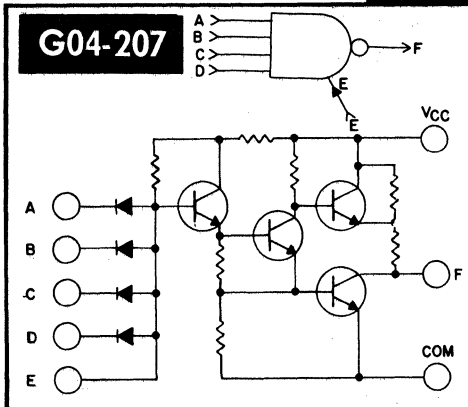
	CKT NO	TERMINALS A	B	C	D	E	VCC	COM
G04-191	1	1	2	3	13	12	4	10
	2	5	6	7	9	11	4	10
G04-191a	1	1	2	3		5	4	10
	2	6	7	8		9	4	10
	3	12	13	11		14	4	10

G04-200



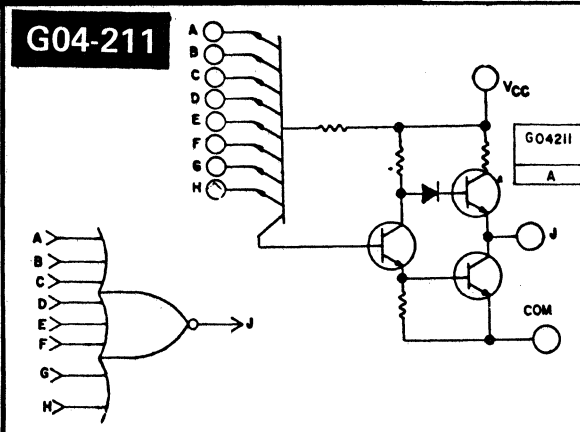
	OUT LINE	CKT NO	A	B	C	D	E	F	VAA	COM
G04200	FP	1	14	1	2	3	12	13	11	4
		2	10	5	6	7	8	9		
	MP	1	15	2	3	4	13	7	12	5
		2	11	6	7	8	9	10		
G04200A	FP	1	2	3	14	NC	NC	1	11	4
		2	5	7	8	NC	NC	6		
		3	10	12	13	NC	NC	9		
	MP	1	3	4	15	NC	NC	2	12	5
		2	11	13	14	NC	NC	10		
		3	8	9	6	NC	NC	7		
G04200B	FP	1	1	3	NC	NC	NC	2	11	4
		2	5	7	NC	NC	NC	6		
		3	10	9	NC	NC	NC	8		
		4	12	13	NC	NC	NC	14		
	MP	1	1	4	NC	NC	NC	3	12	5
		2	6	8	NC	NC	NC	7		
		3	11	10	NC	NC	NC	9		
		4	13	14	NC	NC	NC	15		
G04200C	FP	1	2	7	6	NC	NC	1	8	3
		2	4	9	10	NC	NC	5		
G04200D	FP	1	4	5	6	7	9	10		
G04200E	FP	1	1	2	9	NC	NC	10		
		2	4	5	7	NC	NC	6		

G04-207



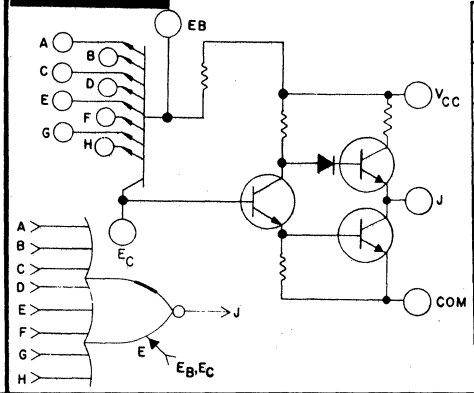
	CKT. NO.	A	B	C	D	E	F	V_{CC}	COM
G04 207	1	1	2	3	NC	NC	4	10	5
	2	9	8	NC	NC	7	6		
G04 207A	1	1	2	4	5	3	6	14	7
	2	13	12	10	9	11	8		
G04 207B	1	1	2	3	4		5	12	6
	2	11	9	8		10	7		

G04-211



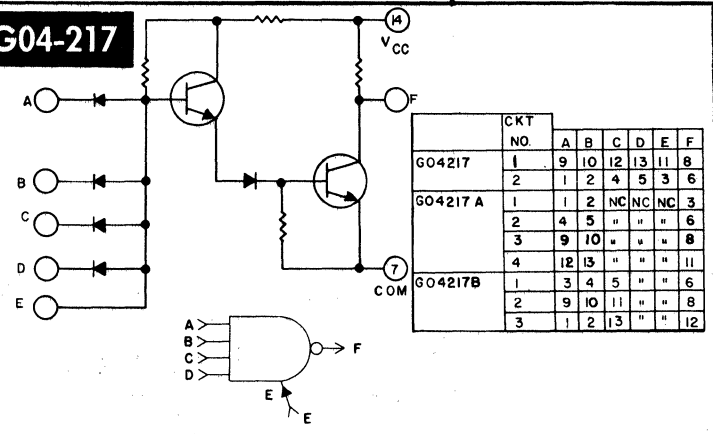
	A	B	C	D	E	F	G	H	J	Vcc	COM	OUTLINE
G04211	7	8	9	10	1	2	3	4	6	12	5	CN
	13	1	2	3	5	6	7	9	12	4	10	TO86
A	A	B	C	E	F	G	I	N	L	D	J	

G04-212



	CKT	A	B	C	D	E	F	G	H	J	E_B	E_C	V_{CC}	COM	OUTLINE
G04212		8	9	10	NC	11	1	2	3	6	4	7	12	5	CN
		14	1	2	8	3	5	6	7	12	9	13	4	10	FP
G04212A		1	2	3	13	5	6	7	8	11	9	12	4	10	
G04212B		7	8	9	4	10	1	2	3	6			12	5	CN
		13	1	2	9	3	5	6	7	12			4	10	FP
G04212C		1	2	3	13	5	6		9	11			4	10	
G04212D		2	3							6			12	5	CN
		5	6							11			4	10	FP
G04212E	1	1	2	3						5			4	10	
	2	6	7	8						9			4	10	
	3	11	12	13						14			4	10	
G04212F	1	1	2							3			4	10	
	2	5	6							7			4	10	
	3	8	9							11			4	10	
	4	12	13							14			4	10	
G04212G		1	2	3	5	6	7	9	13	12			4	10	FP&MP
G04212H		1	2	3	5	6	7	8	14	12	9	13	4	10	FP&MP

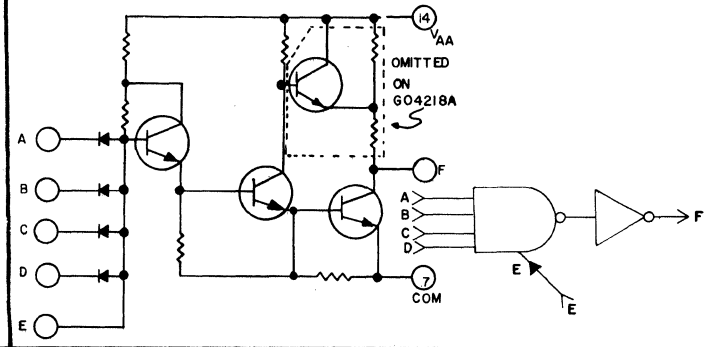
G04-217



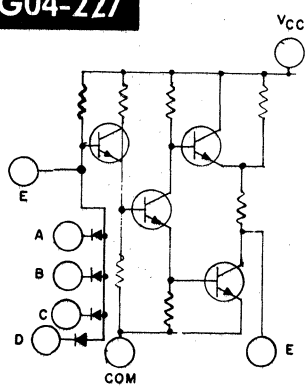
	CKT NO.	A	B	C	D	E	F
G04217	1	9	10	12	13	11	8
	2	1	2	4	5	3	6
G04217A	1	1	2	NC	NC	NC	3
	2	4	5	"	"	"	6
	3	9	10	"	"	"	8
	4	12	13	"	"	"	11
G04217B	1	3	4	5	"	"	6
	2	9	10	11	"	"	8
	3	1	2	13	"	"	12

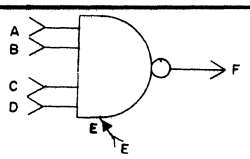
G04-218

CKT NO.	A	B	C	D	E	F
1	1	2	4	5	3	6
2	9	10	12	13	11	8



G04-227

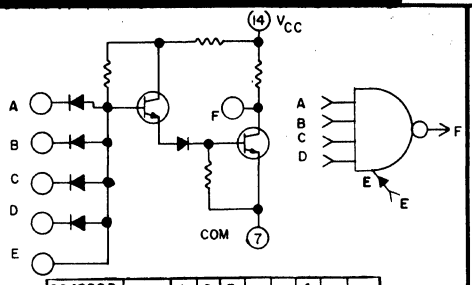




DWG. NO.	CKT. NO.	A	B	C	D	E	F	Vcc	COM
G04227	1	3	5	6	—	—	2	4	11
	2	7	8	9	—	—	10		
A	1	6	7	8	9	—	10	4	11
	2	1	2	13	14	—	12		
B	1	6	7	8	9	5	10	4	11
	2	1	2	13	14	3	12		
C	1	3	4	5	6	7	2	8	1
	2	13	12	11	10	9	14		
D	1	3	4	—	—	5	2	6	1
	2	8	9	—	—	7	10	6	1
E	1	3	4	5	—	—	2	6	1
	2	7	6	9	—	—	2	6	

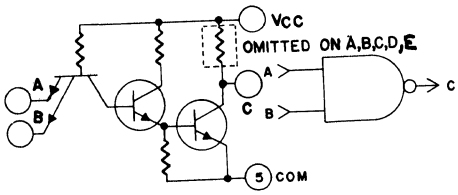
G04-229

	CKT.NO	A	B	C	D	E	F	V_{CC}	COM
G04229	1	1	2	4	5	3	6	14	7
	2	9	10	12	13	11	8		
G04229A	1	1	2				3	14	7
	2	4	5				6		
	3	9	10				8		
	4	12	13				11		
G04229B	1	4	5	6	7	NC	8	34	3
	2	10	11	12	13	NC	9		
	3	14	15	16	17	NC	18		
	4	20	21	22	23	NC	19		
	5	24	25	26	27	NC	28		
	6	30	31	32	33	NC	29		
G04229C	1	5	6	7	NC	4	8	34	3
	2	10	11	12	NC	13	9		
	3	15	16	17	NC	14	18		
	4	20	21	22	NC	23	19		
	5	25	26	27	NC	24	28		
	6	30	31	32	NC	33	29		



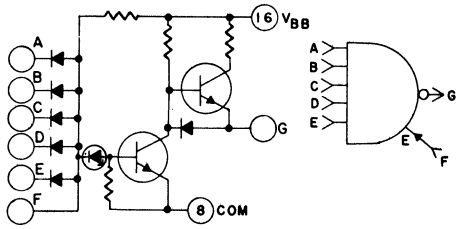
G04229D	1	1	2	3			4	10	5
	2	8	9			7	6		
G04229E	1	2	3				4	10	5
	2	7	8				6		
	3	1					9		
G04229F	1	1	2	13			12	14	7
	2	3	4	5			6		
	3	9	10	11			8		

G04-233



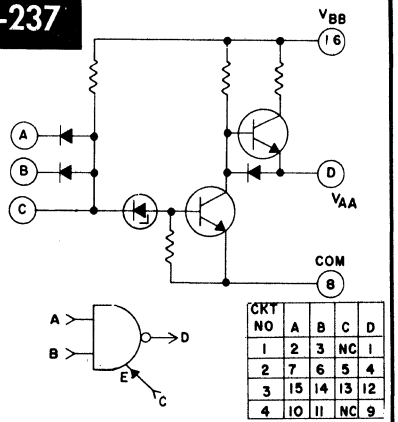
		CKT NO	A	B	C	V_{CC}	COM
G04-233		1	2	3	1	10	5
		2	4	6	8	10	5
G04-233a	FP	1	12	13	14	4	11
		2	10	9	8	4	11
		3	6	7	5	4	11
		4	1	2	3	4	11
	MP	1	2	3	1	14	7
		2	5	6	4	14	7
		3	9	8	10	14	7
		4	11	12	13	14	7
G04-233b	MP	1	1	2	3	14	7
		2	4	5	6	14	7
		3	9	10	8	14	7
		4	12	13	11	14	7
G04-233c	MP	1	1	2	3	14	7
		2	5	6	4	14	7
		3	8	9	10	14	7
		4	12	13	11	14	7
G04-233d	MP	1	1		2	14	7
		2	3		4	14	7
		3	6		5	14	7
		4	8		9	14	7
		5	11		10	14	7
		6	13		12	14	7
G04-233e		1	2	3	1	14	7
		2	5	6	4		
		3	9	8	10		
		4	11	12	13		

G04-236



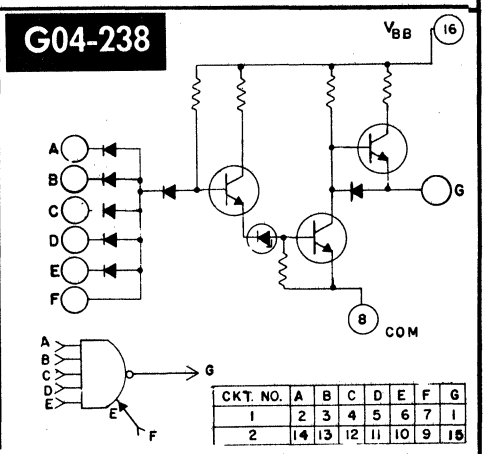
CKT NO.	A	B	C	D	E	F	G
1	7	6	5	4	3	2	1
2	9	10	11	12	13	14	15

G04-237



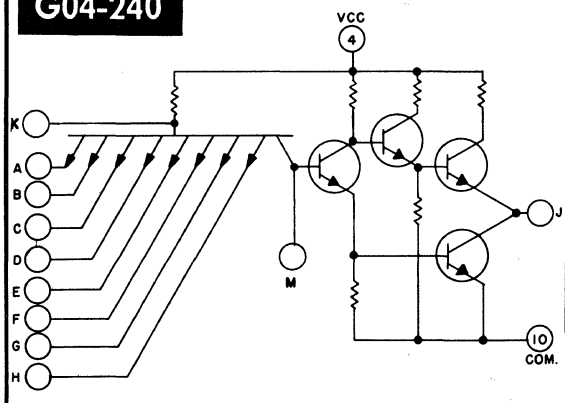
CKT NO	A	B	C	D
1	2	3	NC	1
2	7	6	5	4
3	15	14	13	12
4	10	11	NC	9

G04-238



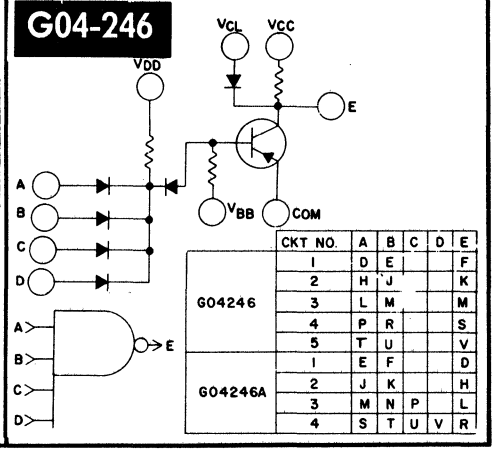
CKT. NO.	A	B	C	D	E	F	G
1	2	3	4	5	6	7	1
2	14	13	12	11	10	9	15

G04-240



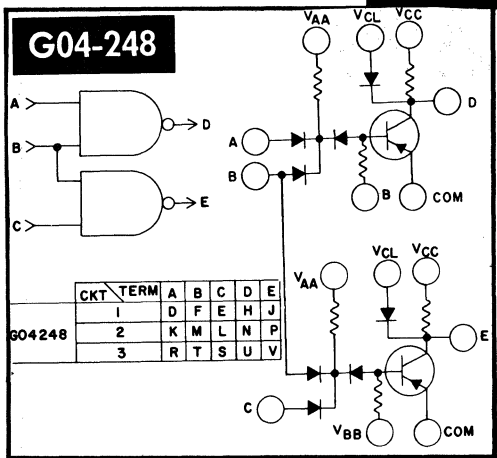
	CKT.NO	TERM A	B	C	D	E	F	G	H	J	K	M
G04240	1	1	2	3	13	— N.C. —				12		
	2	5	6	7	9	— N.C. —				11		
G04240A	1	1	2	3	5	6	7	9	13	12		
G04240B	1	1	2							3		
	2	5	6			N.C.				7		
	3	8	9							11		
	4	12	13							14		
G04240C		1	2	3	5	6	7	8	14	12	9	13
G04240D	1	1	2	3	5	6	7	9	13	12		
G04240E	1	1	2	3						5		
	2	6	7	8			NC			9		
	3	11	12	13						14		

G04-246



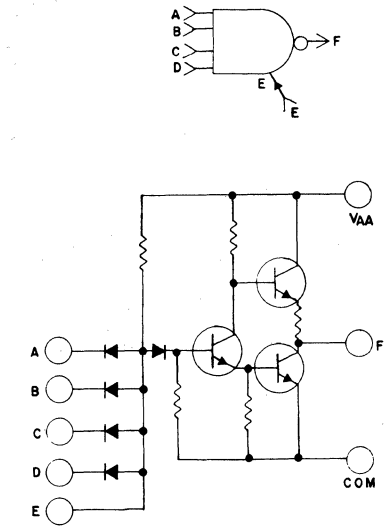
	CKT NO.	A	B	C	D	E
G04246	1	D	E			F
	2	H	J			K
	3	L	M			M
	4	P	R			S
	5	T	U			V
G04246A	1	E	F			D
	2	J	K			H
	3	M	N	P		L
	4	S	T	U	V	R

G04-248



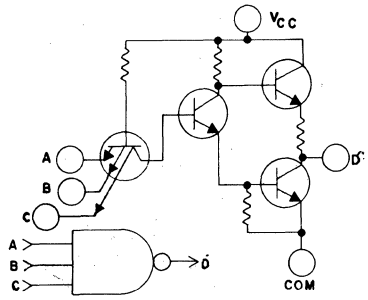
	CKT \ TERM	A	B	C	D	E
G04248	1	D	F	E	H	J
	2	K	M	L	N	P
	3	R	T	S	U	V

G04-258



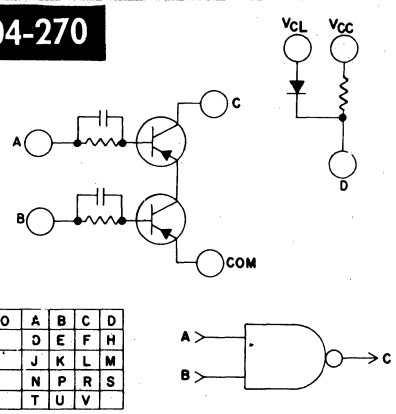
	CKT TERM	A	B	C	D	E	F	V_{AA}	COM
G04258	1	1	2	13	14	3	12	4	11
	2	6	7	8	9	5	10	4	11
G04258A	1	1	2	4	5	3	6	14	7
	2	9	10	12	13	11	8	14	7

G04-260



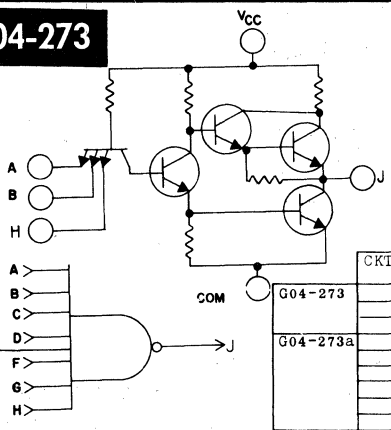
		CKT NO	A	B	C	D	COM	V_{CC}
G04260	FP	1	2	3		1	11	4
		2	5	6		7		
		3	9	10		8		
		4	12	13		14		
	MP	1	1	2		3	7	14
		2	4	5		6		
		3	9	10		8		
		4	12	13		11		
G04260A	FP	1	1	13	14	12	11	4
		2	3	5	6	2		
		3	7	8	9	10		
	MP	1	1	2	13	12	7	14
		2	3	4	5	6		
		3	9	10	11	8		

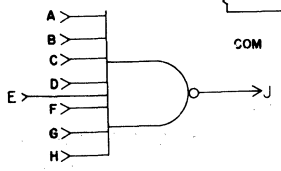
G04-270



CKT NO	A	B	C	D
1	D	E	F	H
2	J	K	L	M
3	N	P	R	S
4	T	U	V	

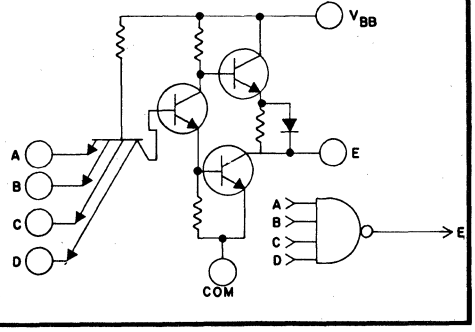
G04-273





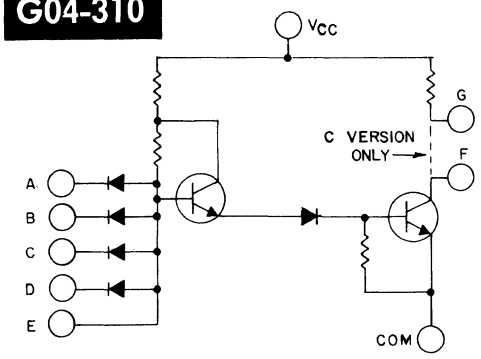
CKT.NO.	TERM	A	B	C	D	E	F	G	H	J	V_{CC}	COM	PKG
G04-273	1	2	3	5	6	7	8	9	10	12	4	11	FP
	1	1	2	3	4	5	6	11	12	8	14	7	MP
G04-273a	1	1	12	13	14					2	4	11	FP
	2	6	7	8	9					10	4	11	FP
	1	2	3	4	5					6	14	7	MP
	2	9	10	11	12					13	14	7	MP
G04-273b	1	1	2	14						3	4	11	FP
	2	6	7	8						5	4	11	FP
	3	9	10	12						13	4	11	FP
	1	2	3	4						1	14	7	MP
	2	5	6	8						9	14	7	MP
	3	10	11	12						13	14	7	MP
G04-273c	1	1	2							3	4	11	FP
	2	6	7							5	4	11	FP
	3	9	10							8	4	11	FP
	4	12	13							14	4	11	FP
	1	2	3							1	14	7	MP
	2	5	6							4	14	7	MP
	3	8	9							10	14	7	MP
	4	11	12							13	14	7	MP
G04-273d	1	1	2							3	14	7	MP
	2	4	5							6	14	7	MP
	3	12	13							11	14	7	MP
	4	9	10							8	14	7	MP
G04-273e	1	1	2							3	4	11	FP
	2	6	7							5	4	11	FP
	3	9	10							8	4	11	FP
	4	12	13							14	4	11	FP
G04-273f	1	1	2	13						12	14	7	MP
	2	3	4	5						6	14	7	MP
G04-273g	1	9	10	11						8	14	7	MP
	2	1	2	4	5					6	14	7	MP
	1	9	10	12	13					8	14	7	MP
	1	1	2							3	14	7	MP, FP
	2	4	5							6	14	7	MP, FP
	3	9	10							8	14	7	MP, FP
	4	12	13							11	14	7	MP, FP

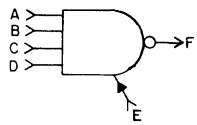
G04-303



	CKT. NO.	A	B	C	D	E	V_{BB}	COM
FP	1	6	7	8	9	10	4	11
	2	1	2	13	14	12	4	11
MP	1	1	2	4	5	6	14	7
	2	9	10	12	13	8	14	7

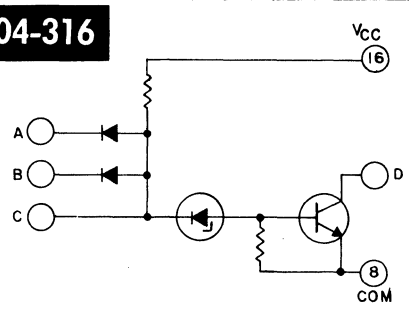
G04-310





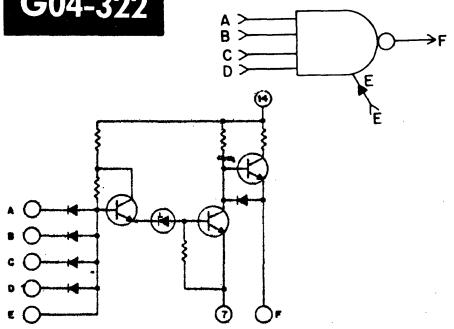
	CKT. NO.	A	B	C	D	E	F	G	V_{CC}	GND
G04-310	1	7	8	9	10	2	3	4	6	1
G04-310a	1	3	4				2	9	6	1
	2	7	8				10		6	1
G04-310b	1	3	4				2		6	1
	2	7	8	9			10			
G04-310c	1	3	4				2	2	6	1
	2	7	8	9			10	10		
G04-310d	1	7	8	9		10	3		6	1
G04-310e	1	1					2		14	7
	2	3					4			
	3	5					6			
	4	13					12			
	5	11					10			
	6	9					8			
G04-310f	1	1	2				3		14	7
	2	4	5				6			
	3	9	10				8			
	4	12	13				11			

G04-316



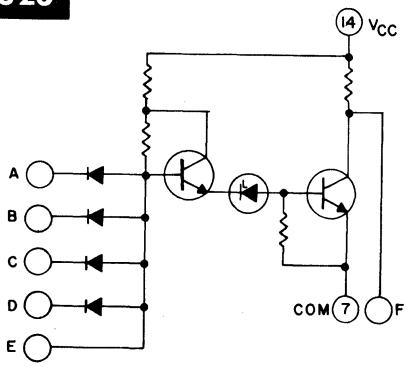
CKT. NO	A	B	C	D
1	7	6	5	4
2	15	14	13	12
3	2	3		1
4	10	11		9

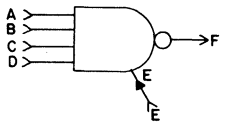
G04-322



CKT. NO.	A	B	C	D	E	F
1	1	2	4	5	3	6
2	9	10	12	13	11	8

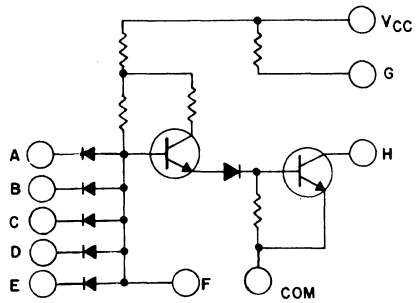
G04-323

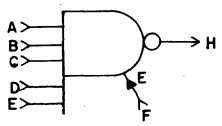




	CKT	A	B	C	D	E	F
G04-323	1	1	2	4	5	3	6
	2	9	10	12	13	11	8
G04-323a	1	1	2				3
	2	4	5				6
	3	9	10				8
	4	12	13				11
G04-323b	1	3	4	5			6
	2	9	10	11			8
	3	1	2	13			12

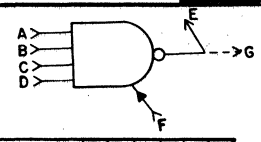
G04-325





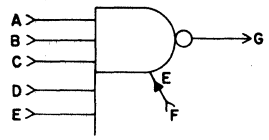
	CKT NO.	A	B	C	D	E	F	G	H	COM	V_{CC}
G04-325	1	1	2	4			3	5	6	7	14
	2	10	12	13			11	9	8		
G04-325A	1	2	1	14			3	13	12	11	4
	2	6	7	8			5	9	10		
G04-325B	1	1	2	3	4	5			6	7	14
	2	9	10	11	12	13			8		
G04-325C	1	1	2	3	14	13			12	11	4
	2	5	6	7	8	9			10		

G04-326



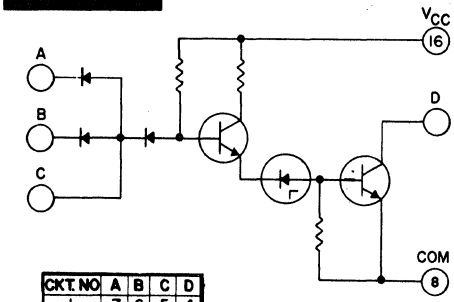
	CKT NO	A	B	C	D	E	F	G
G04 326	1	8	J	H	6		7	F
	2	5	D	C	3		4	E
	3	X	19	18	V			W
	4	17	T	S	15			16
	5	R	13	12	N			P
	6	11	L	K	9			10
G04 326 A	1	6	5					D
	2	8	7					E
	3	U	19	18	17		T	S
	4	20	V				W	X
	5	4	3					C
	6	H	12	10	9		11	F
	7	16	N	L			R	P
	8	22	21				Y	Z

G04-327



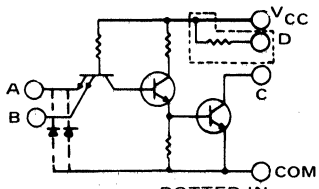
CKT. NO	A	B	C	D	E	F	G
1	4	5	E	D	3		C
2	7	H	8	F	6		J
3	11	M	L	9		10	K
4	R	13	12	N		P	14
5	17	16					15
6	U	T					S
7	18	X					20
8	V	19					W

G04-329



CKT. NO	A	B	C	D
1	7	6	5	4
2	15	14	13	12
3	2	3	NC	1
4	10	11	NC	9

G04-330

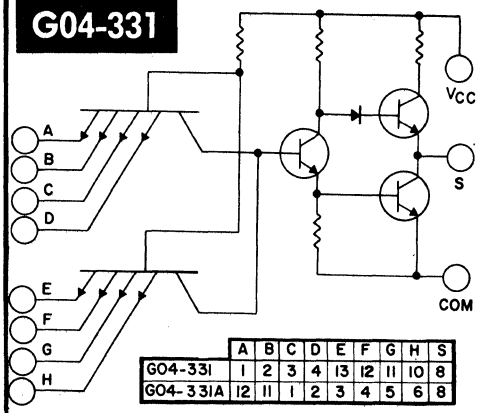


DOTTED-IN PORTION FOR G04-330a ONLY.

CLAMPING DIODES FOR G04-330b,e ONLY.

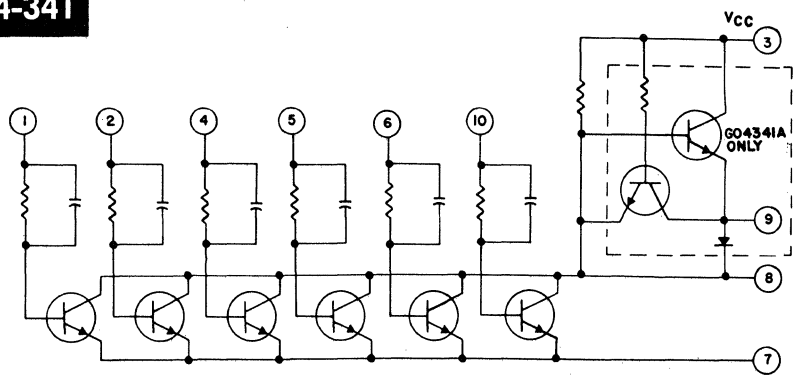
	CKT NO.	A	B	C	D	VCC	COM
G04-330	1	1	2	3	NC	4	10
	2	5	6	7	NC		
	3	8	9	11	NC		
	4	12	13	14	NC		
G04-330a	1	6	5	7	8	4	10
	2	2	3	1	14		
	3	12	13	11	9		
G04-330b	1	1	2	3	NC	14	7
	2	4	5	6	NC		
	3	9	10	8	NC		
	4	12	13	11	NC		
G04-330c	1	1	2	3	NC	4	11
	2	6	7	5	NC		
	3	9	10	8	NC		
	4	12	13	14	NC		
G04-330d	1	2	3	1	NC	14	7
	2	5	6	4	NC		
	3	8	9	10	NC		
	4	11	12	13	NC		
G04-330e	1	1	14	2	NC	3	10
	2	5	6	4	NC		
	3	8	9	7	NC		
	4	11	12	13	NC		

G04-331

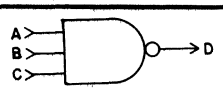


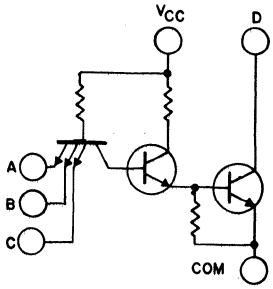
	A	B	C	D	E	F	G	H	S
G04-331	1	2	3	4	13	12	11	10	8
G04-331A	12	11	1	2	3	4	5	6	8

G04-341



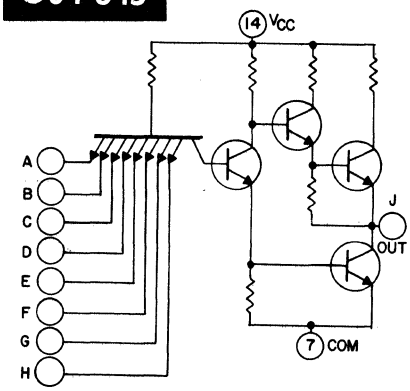
G04-342





	PKG	CKT	A	B	C	D	VCC	COM
G04-342	FP	1	1	13	14	12	4	11
		2	3	5	6	2		
		3	7	8	9	10		
	MP	1	1	2	13	12	7	14
		2	3	4	5	6		
		3	9	10	11	8		
G04-342a	FP	1	2	3	NC	1	4	11
		2	5	6	NC	7		
		3	9	10	NC	8		
		4	12	13	NC	14		
	MP	1	1	2	NC	3	7	14
		2	4	5	NC	6		
		3	9	10	NC	8		
		4	12	13	NC	11		
G04-342b	MP	1	1	2	NC	3	14	7
		2	4	5	NC	6		
		3	9	10	NC	8		
		4	12	13	NC	11		

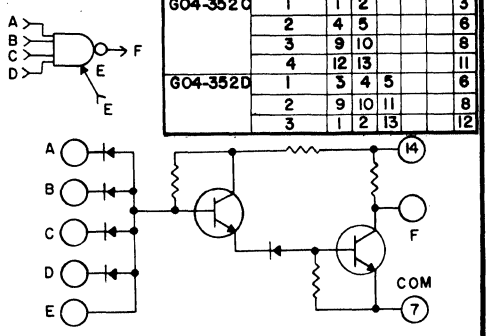
G04-345



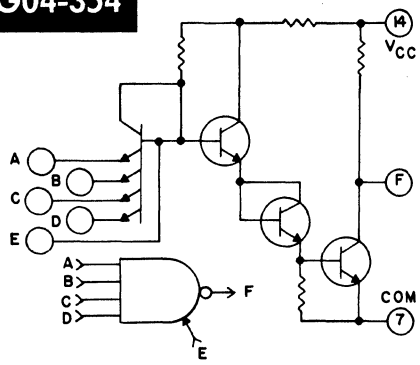
	CKT. NO.	A	B	C	D	E	F	G	H	J
G04-345	1	1	2							3
	2	4	5							6
	3	9	10							8
	4	12	13							11
G04-345a	1	1	2	13						12
	2	3	4	5						6
	3	9	10	11						8
G04-345b	1	2	4	5						6
	2	9	10	12	13					8
G04-345c	1	10	11	12	13	1	2	3	4	8
G04-345d	1	1								2
	2	3								4
	3	5								6
	4	9								8
	5	11								10
	6	13								12

G04-352

	CKT. NO.	A	B	C	D	E	F
G04-352C	1	1	2				3
	2	4	5				6
	3	9	10				8
	4	12	13				11
G04-352D	1	3	4	5			6
	2	9	10	11			8
	3	1	2	13			12



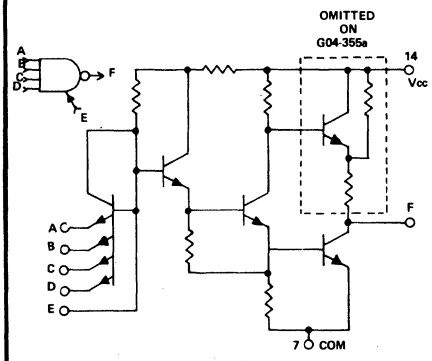
G04-354



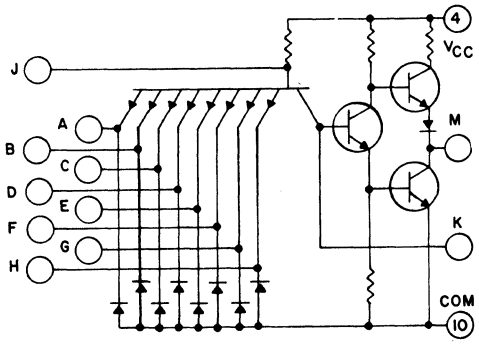
	CKT. NO.	A	B	C	D	E	F
G04-354	1	1	2	4	5	3	6
	2	9	10	12	13	11	8
G04-354A	1	1	2	NC	NC	NC	3
	2	4	5	NC	NC	NC	6
	3	9	10	NC	NC	NC	8
	4	12	13	NC	NC	NC	11
G03-354B	1	1	2	13	NC	NC	12
	2	3	4	5	NC	NC	6
	3	9	10	11	NC	NC	8

G04-355

CKT	A	B	C	D	E	F
1	1	2	4	5	3	6
2	9	10	12	13	11	8

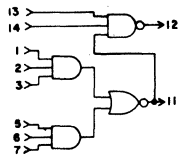


G04-358

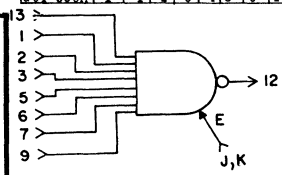


	CKT	A	B	C	D	E	F	G	H	J	K	M	VCC	COM
G04-358	1	1	2	3	5	6	7	9	13	NC	NC	12	4	10
G04-358a	1	1	2	3	5	6	7	8	14	9	13	12	4	10
G04-358b	1	13	1									12	4	10
	2	5	6									11		
G04-358c	1	1	2									3	4	10
	2	5	6									7		
	3	8	9									11		
	4	12	13									14		
G04-358d	1	1	2	3								5	4	10
	2	6	7	8								9		
	3	11	12	13								14		
G04-358e	1	1	2									3	4	11
	2	6	7									5		
	3	9	10									8		
	4	12	13									14		
G04-358f	1	1	2									3	14	7
	2	4	5									6		
	3	9	10									8		
	4	12	13									11		
G04-358g	1	1	2	14								3	4	11
	2	6	7	8								5		
	3	9	10	12								13		
G04-358h	1	1	2	13								12	14	7
	2	3	4	5								6		
	3	9	10	11								8		
G04-358j	1	1	12	13	14							2	4	11
	2	6	7	8	9							10		
G04-358k	1	1	2	4	5							6	14	7
	2	9	10	12	13							8		
G04-358m	1	2	3	5	6	7	8	9	10			12	4	11
G04-358n	1	1	2	3	4	5	6	11	12			8	14	7

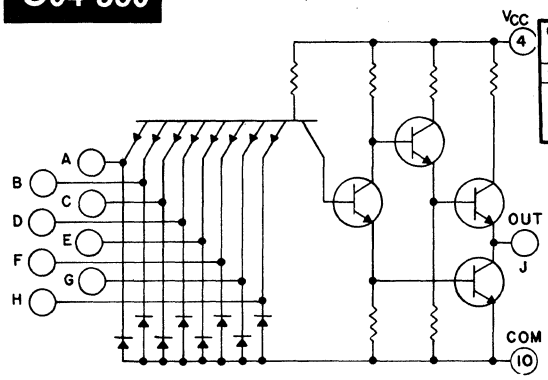
G04-359



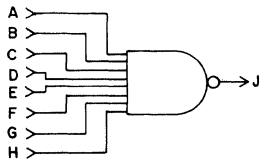
VCC - 4
COM - 10



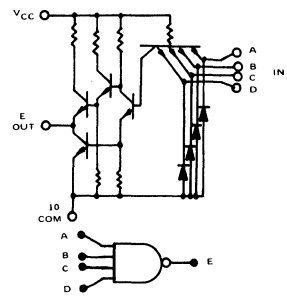
G04-360



	CKT. NO.	A	B	C	D	E	F	G	H	J
G04-360	1	13	3	2	1					12
	2	5	6	7	9					11
G04-360A	1	1	2	3	5	6	7	9	13	12
G04-360B	1	1	2	3						5
	2	6	7	8						9
	3	11	12	13						14

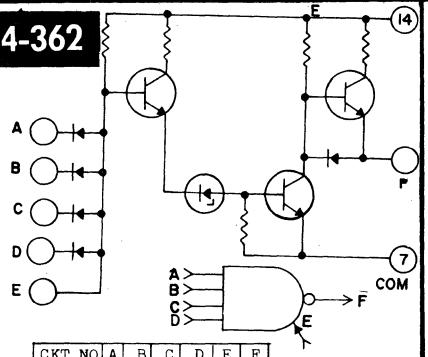


G04-361



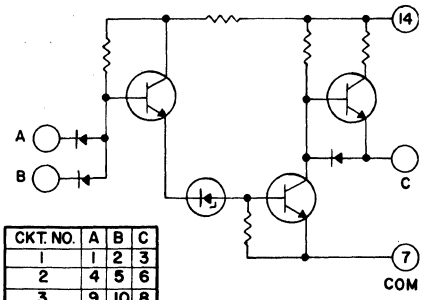
	CKT	A	B	C	D	E
G04-361	1	1	2			3
	2	5	6			7
	3	8	9			11
	4	12	13			14
G04-361A	1	13	1	2	3	12
	2	5	6	7	9	11

G04-362



	CKT NO	A	B	C	D	E	F
G04-362	1	1	2	4	5	3	6
	2	9	10	12	13	11	8
G04-362a	1	3	4	5			6
	2	9	10	11			8
	3	1	2	13			12

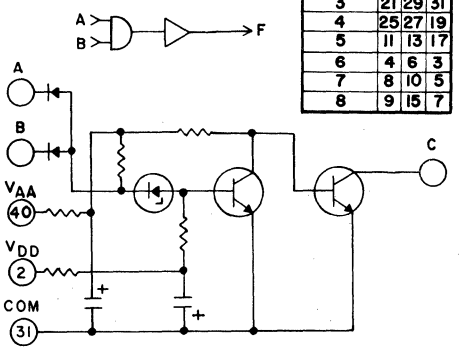
G04-364



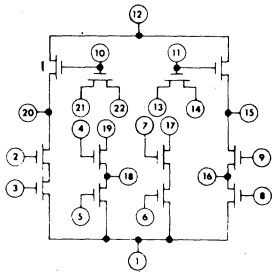
CKT. NO.	A	B	C
1	1	2	3
2	4	5	6
3	9	10	8
4	12	13	11

G04-374

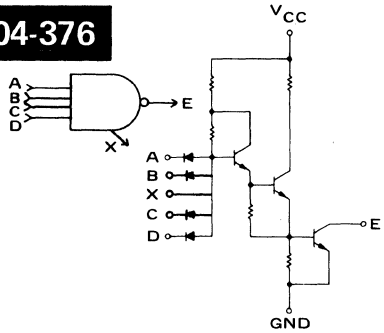
CKT. NO.	A	B	C
1	38	36	35
2	34	32	33
3	21	29	31
4	25	27	19
5	11	13	17
6	4	6	3
7	8	10	5
8	9	15	7



G04-375

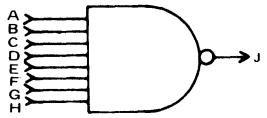


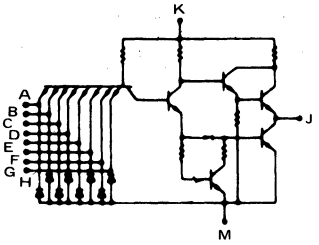
G04-376



	CKT No.	A	B	C	D	E	X	VCC	GND
G04-376	1	1			2	3		14	7
	2	5			6	4			
	3	8			9	10			
	4	12			13	11			
G04-376a	1	1	2	4	5	6	3	14	7
	2	13	12	10	9	11	8		

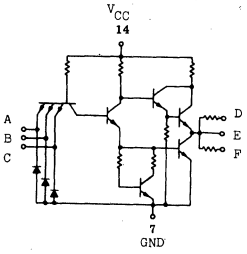
G04-377

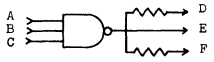




	CKT	A	B	C	D	E	F	G	H	J	K	M	PKG
G04-377	1	1	2							3	14	7	FP,MP
	2	4	5							6			
	3	9	10							8			
	4	12	13							11			
G04-377a	1	1	2	13						12	14	7	FP,MP
	2	3	4	5						6			
	3	9	10	11						8			
G04-377b	1	1	2	4	5					6	14	7	FP,MP
	2	9	10	12	13					8			
G04-377c	1	1	2	3	4	10	11	12	13	8			
G04-377d	1	1	2							3	4	11	FP
	2	6	7							5	4	11	
	3	9	10							8	4	11	
	4	12	13							14	4	11	
G04-377e	1	1	2	14						3	4	11	FP
	2	6	7	8						5	4	11	
	3	9	10	12						13	4	11	
G04-377f	1	1	14	13	12					2	4	11	FP
	2	6	7	8	9					10	4	11	
G04-377g	1	1	2	3	4	5	6	11	12	8	14	7	FP,MP
	1	2	3	5	6	7	8	9	10	12	4	11	FP
G04-377h	1	1	2							3	4	10	FP,MP
	2	5	6							7			
	3	8	9							11			
	4	12	13							14			
G04-377j	1	1	2	3	13					12	4	10	FP,MP
	2	5	6	7	9					11			
G04-377k	1	1	2	3	5	6	7	9	13	12	4	10	FP,MP
G04-377m	1	1	2	3						5	4	10	FP,MP
	2	6	7	8						14			
	3	12	13	11						9			

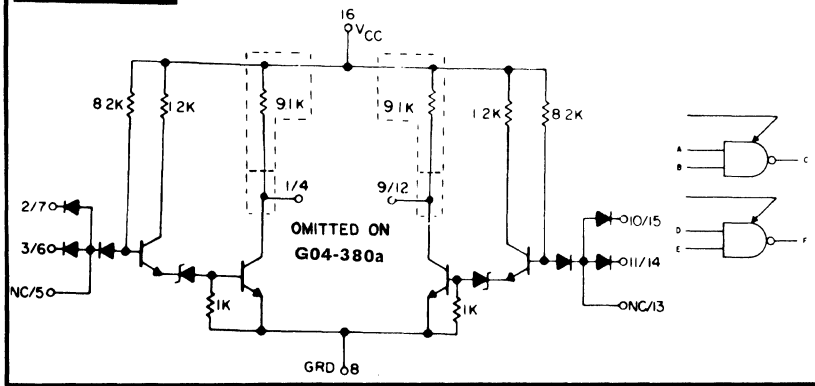
G04-378



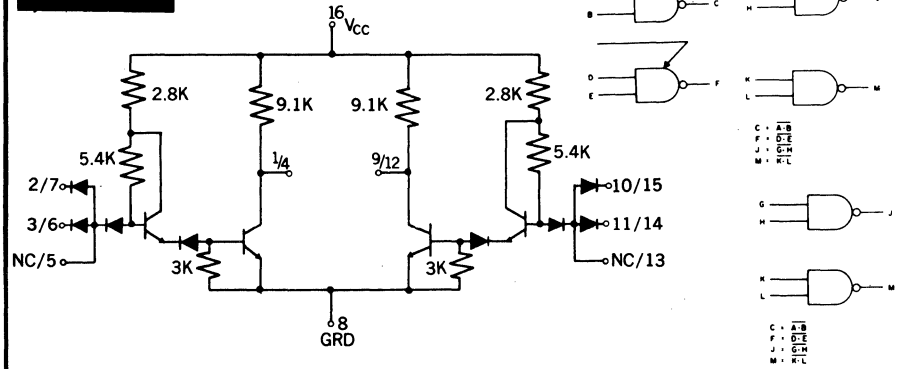


Ckt.	A	B	C	D	E	F
1	1	2	3	5	6	4
2	11	12	13	9	8	10

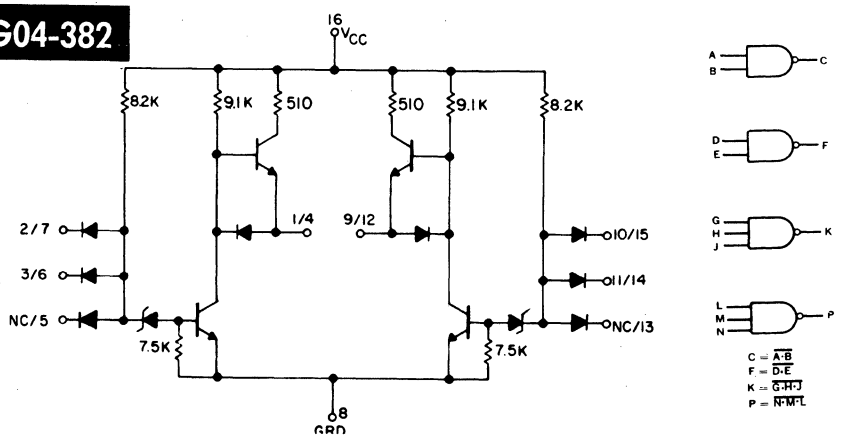
G04-380



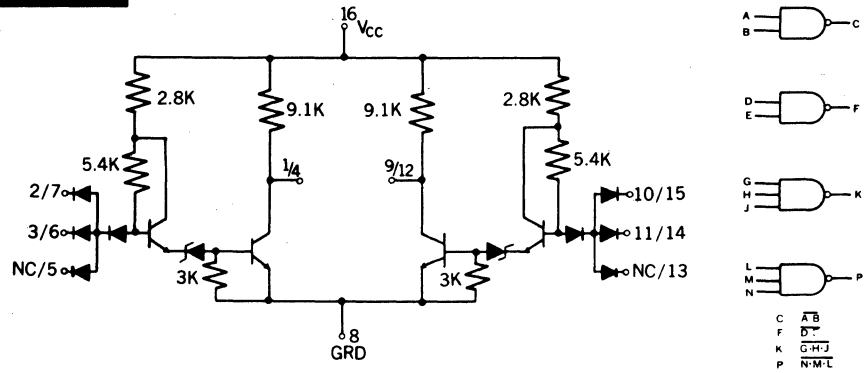
G04-381



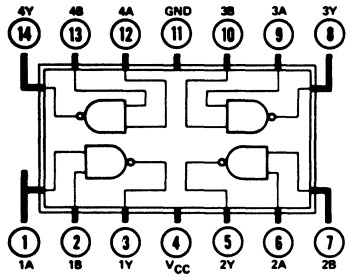
G04-382



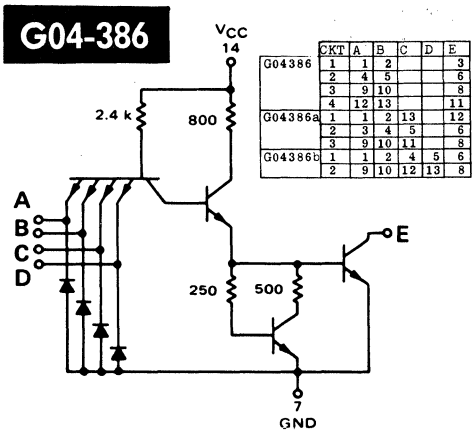
G04-383



G04-384

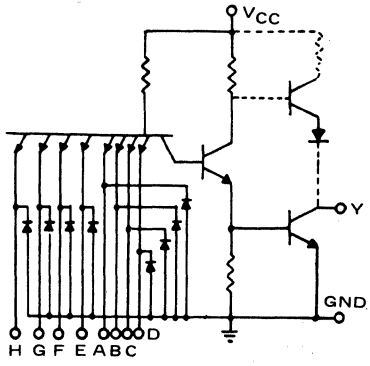


G04-386



	CKT	A	B	C	D	E
G04386	1	1	2			3
	2	4	5			6
	3	9	10			8
	4	12	13			11
G04386a	1	1	2	13		12
	2	3	4	5		6
	3	9	10	11		8
G04386b	1	1	2	4	5	6
	2	9	10	12	13	8

G04-387

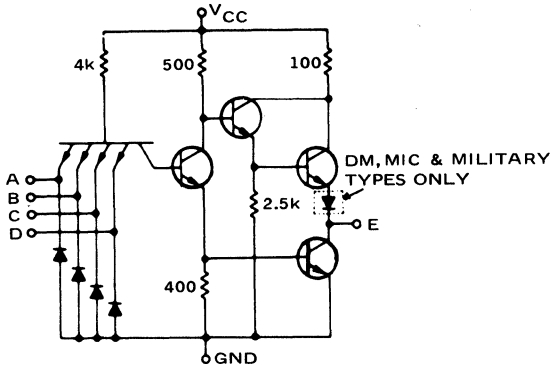


G04-387f INCLUDES DOTTED AREA W/O DOTTED RESISTOR.

G04-387h THRU r INCLUDE DOTTED AREA WITH DOTTED RESISTOR.

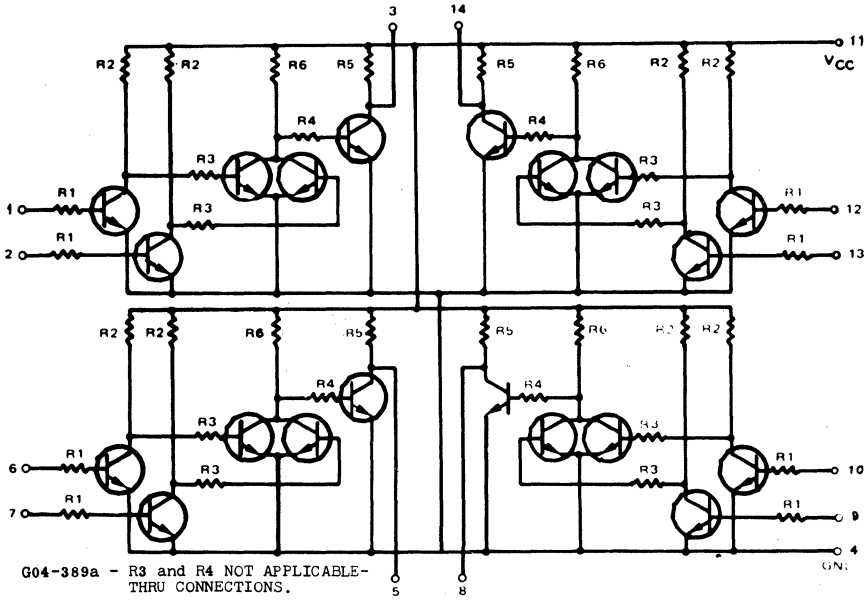
	PKG	CKT	A	B	C	D	E	F	G	H	Y	VCC	GND
G04-387	FP	1	1	2							3	4	11
		2	6	7							5	4	11
		3	9	10							8	4	11
		4	12	13							14	4	11
	M	1	1	2							3	14	7
		2	4	5							6	14	7
		3	9	10							8	14	7
		4	12	13							11	14	7
G04-387a		1	2	3							1	14	7
		2	5	6							4	14	7
		3	8	9							10	14	7
		4	11	12							13	14	7
G04-387b, g	M	1	1	2	4	5					6	14	7
		2	9	10	12	13					8	14	7
	FP	1	1	12	13	14					2	4	11
		2	6	7	8	9					10	4	11
G04-387c		1	1	2							3	14	7
		2	4	5							6	14	7
		3	9	10							8	14	7
		4	12	13							11	14	7
G04-387d		1	1								2	14	7
		2	3								4	14	7
		3	5								6	14	7
		4	9								8	14	7
		5	11								10	14	7
		6	13								12	14	7
G04-387e	M	1	1								2	14	7
		2	3								4	14	7
		3	5								6	14	7
		4	9								8	14	7
		5	11								10	14	7
		6	13								11	14	7
	FP	1	1								14	4	11
		2	3								2	4	11
		3	5								6	4	11
		4	7								8	4	11
		5	10								9	4	11
		6	13								12	4	11
G04-387f	FP	1	1								14	4	11
		2	3								2	4	11
		3	5								6	4	11
		4	7								8	4	11
		5	9								10	4	11
		6	13								12	4	11
G04-387h	M	1	1	2	3	4	5	6	11	12	8	14	7
G04-387j	M	1	1	2	13						12	14	7
		2	3	4	5						6		
		3	9	10	11						8		
G04-387k	M	1	1	2							3	14	7
		2	4	5							6		
		3	9	10							8		
		4	12	13							11		
G04-387m	M	1	1	2							3	16	8
		2	4								5		
		3	6								7		
		4	10	11							9		
		5	13								12		
		6	15								14		
G04-387n	FP	1	1	14	13	12					2	4	11
		2	6	7	8	9					10		
	M	1	1	2	3	4	5				6	14	7
		2	8	9	10	11	12				13		
G04-387p	FC	1	1	14							2	4	10
		2	5	6							4		
		3	8	9							7		
		4	11	12							13		
G04-387q	FC	1	1	13	14						2	3	10
		2	5	6	7						4		
		3	8	9	11						12		
G04-387r	FP	1	2	3	5	6	7	8	9	10	12	4	11

G04-388



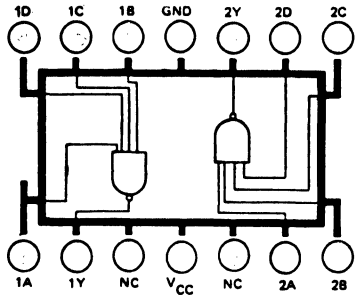
	CKT NO	A	B	C	D	E	VCC	GND
G04-388	1	1	12	13	14	2	4	11
	2	6	7	8	9	10		
G04-388a	1	1	2	4	5	6	14	7
	2	9	10	12	13	8		
G04-388b	1	1	2			3	14	7
	2	4	5			6		
	3	9	10			8		
	4	13	12			11		
G04-388c	1	1	2	14		3	4	11
	2	6	7	8		5		
	3	9	10	12		13		
G03-388d	1	1	2	13		12	14	7
	2	3	4	5		6		
	3	9	10	11		8		

G04-389



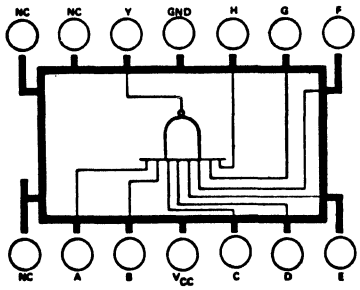
G04-389a - R3 and R4 NOT APPLICABLE-THRU CONNECTIONS.

G04-392



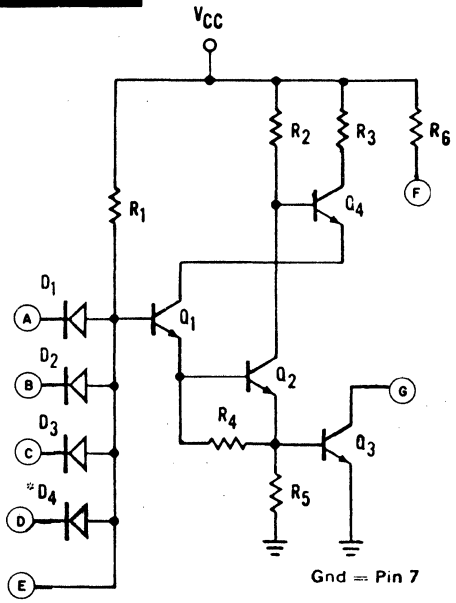
	CKT NO	A	B	C	D	Y	VCC	GND
G04392	1	1	2			3	4	11
	2	6	7			5		
	3	9	10			8		
	4	12	13			14		
G04392a	1	1	2	14		3	4	11
	2	6	7	8		5		
	3	9	10	12		13		
G04392b	1	1	12	13	14	2	4	11
	2	6	7	8	9	10		

G04-393



	PKG	A	B	C	D	E	F	G	H	Y	VCC	GND
G04-393	FP	2	3	5	6	7	8	9	10	12	4	11
G04-393a	M	1	2	3	4	5	6	11	12	8	14	7

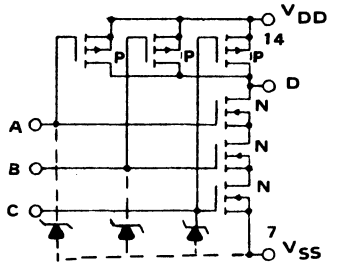
G04-395



	CKT	A	B	C	D	E	F	G	VCC
G04395	1	1	2	4		3	5	6	14
	2	9	10	12	13	11		8	14

G04-397

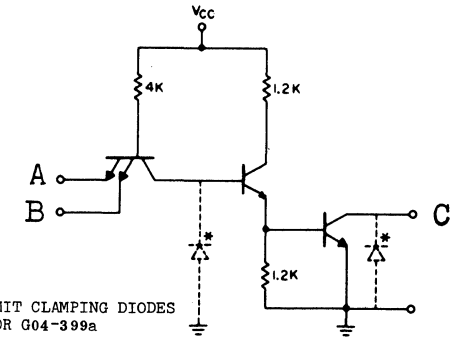
	CKT	A	B	C	D
G04-397	1	1	2	3	5
	2	11	12	13	9
G04-397a	1	3	4	5	6
	2	1	2	8	9
	3	11	12	13	10



NOTE: OMIT DOTTED PORTIONS ON G04-397a

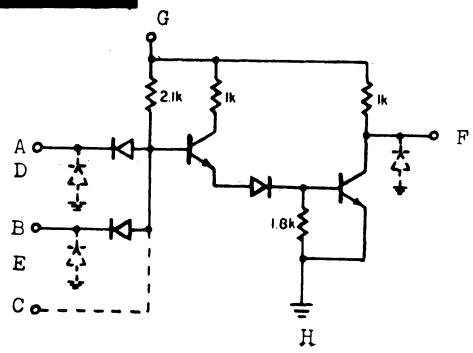
G04-399

	PKG	CKT	A	B	C	VCC	GND
G04-399	M	1	2	3	1	14	7
		2	5	6	4	14	7
		3	8	9	10	14	7
		4	11	12	13	14	7
	FP	1	1	2	3	4	11
		2	6	7	5	4	11
		3	9	10	8	4	11
		4	12	13	14	4	11
G04-399a,b	TO116	1	1	2	3	14	7
		2	4	5	6		
		3	9	10	8		
		4	12	13	11		



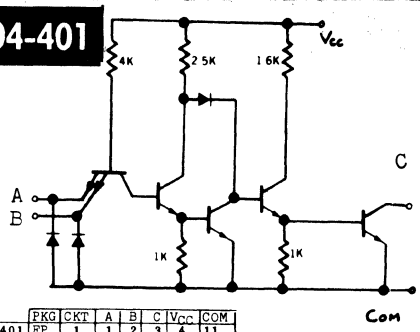
* OMIT CLAMPING DIODES FOR G04-399a

G04-400



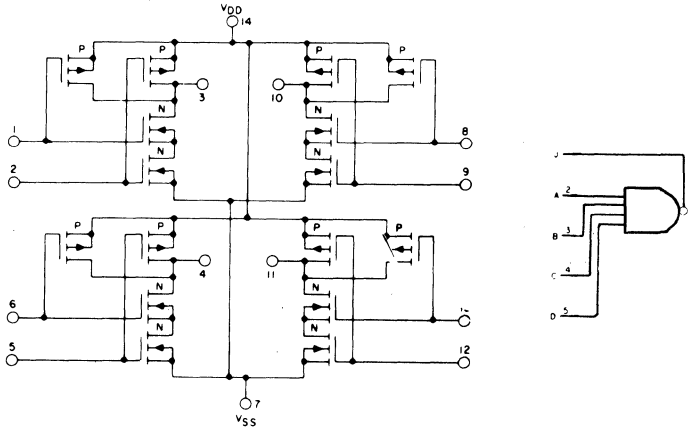
	CKT	A	B	C	D	E	F	G	H
G04-400	1	3	4				2	8	1
	2	5	6				7	8	1
	3	10	11				9	8	1
	4	12	13				14	8	1
G04-400a	1	3	4	5	6	7	2	8	1
	2	10	1	12	13	14	9	8	1
G04-400b	1	3	4	5			2	8	1
	2	7	9	10			6	8	1
	3	11	12	13			14	8	1
G04-400c	1	3	4				2	8	1
	2	6	7				5	8	1
	3	9	10				11	8	1
	4	12	13				14	8	1

G04-401

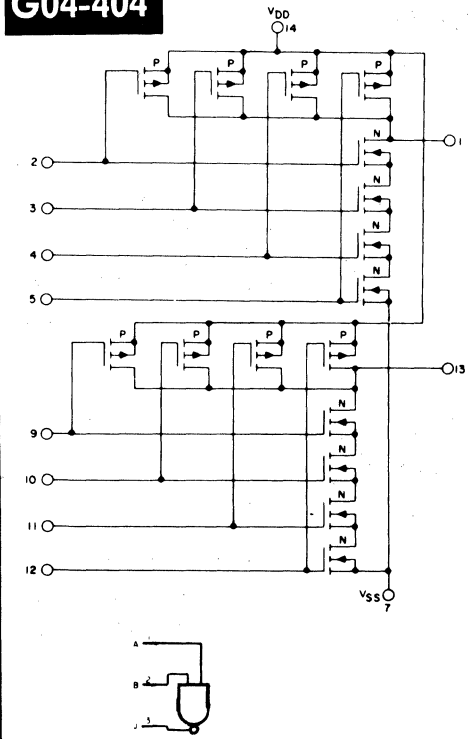


	PKG	CKT	A	B	C	V_{CC}	COM
G04-401	FP	1	1	2	3	4	11
		2	6	7	5		
		3	9	10	8		
		4	12	13	14		
	MP	1	1	2	3	14	7
		2	4	5	6		
		3	9	10	8		
		4	12	13	11		

G04-403

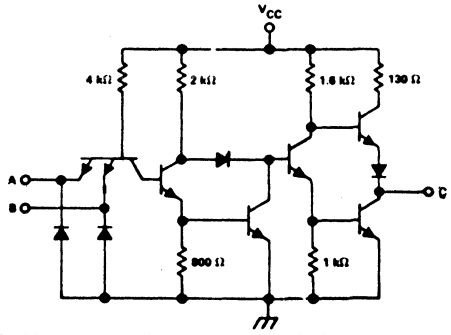


G04-404

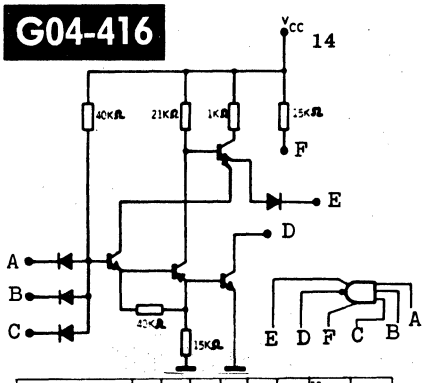


G04-414

G04-414	NO.OF CKT.	A	B	C
	1	1	2	3
	2	4	5	6
	3	9	10	8
	4	12	13	11

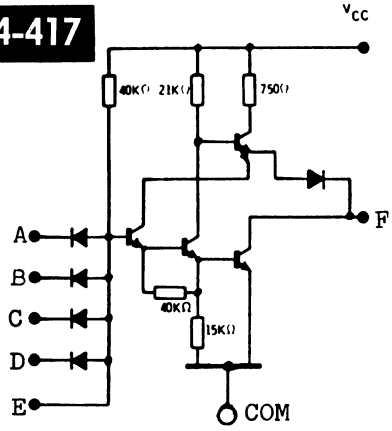


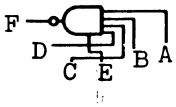
G04-416



NO.OF CKTS	A	B	C	D	E	F	V_{CC}	GND
1	4	5	6	2	1	3	14	7
2	11	12	13	9	8	10		

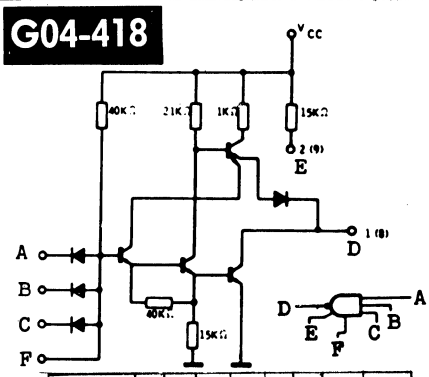
G04-417





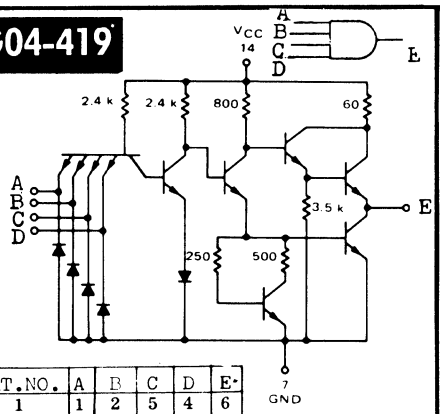
	CKT	A	B	C	D	E	F	V_{CC}	COM
G04-417	1	1	2				3	14	7
	2	4	5				6		
	3	9	10				8		
	4	12	13				11		
G04-417a	1	13	1	2			12	14	7
	2	3	4	5			6		
	3	9	10	11			8		
G04-417b	1	1	2	4	5	3	6	14	7
	2	9	10	12	13	11	8		

G04-418



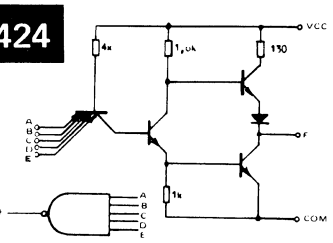
CKT NO.	A	B	C	D	E	F	V_{CC}	GND
1	4	5	6	1	2	3	14	7
2	11	12	13	8	9	10		

G04-419



CKT.NO.	A	B	C	D	E
1	1	2	5	4	6
2	9	10	12	13	8

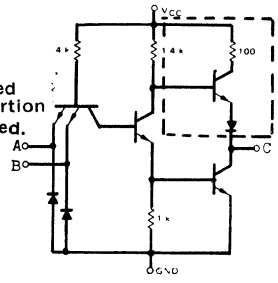
G04-424



	CKT NO	A	B	C	D	E	F	VCC	COM
G04-424	1	1	2	3	4	5	6	14	7
	2	8	9	10	11	12	13		
G04-424a	1	1	2				3	16	8
	2	4					5		
	3	6					7		
	4	10	11				9		
	5	13					12		
	6	15					14		

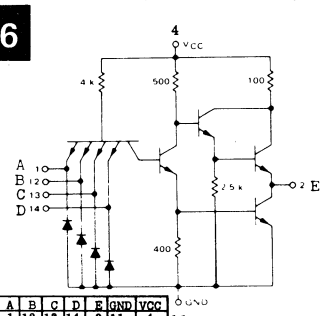
G04-425

G04-425a: Dotted in portion omitted.



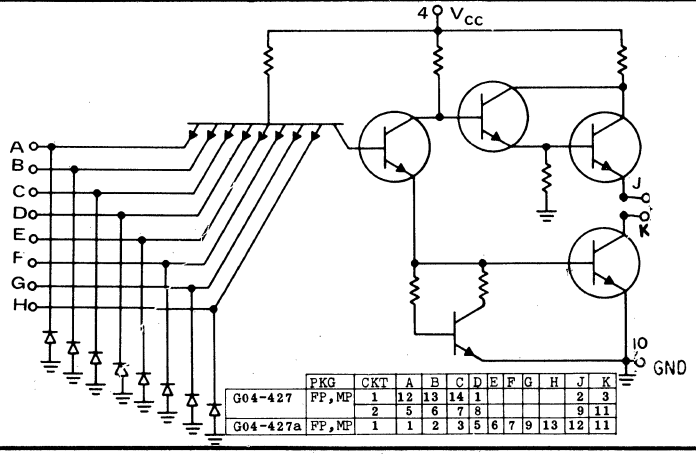
	PKG	CKT	A	B	C	GND	VCC
G04-425,a		1	1	2	3	11	4
		2	6	7	5		
		3	9	10	8		
		4	12	13	14		
G04-425b	FC	1	14	1	2	10	3
		2	5	6	4		
		3	8	9	7		
		4	11	12	13		
	FP	1	1	2	3	11	4
		2	6	7	5		
		3	9	10	8		
		4	12	13	14		
G04-425c	FP	1	1	2	3	11	4
		2	6	7	5		
		3	9	10	8		
		4	12	13	14		
	MP	1	2	3	1	7	14
		2	5	6	4		
		3	8	9	10		
		4	11	12	13		
G04-425d	MP	1	2	3	1	7	14
		2	4	5	6		
		3	9	10	8		
		4	12	13	11		

G04-426



	PKG	CKT	A	B	C	D	E	GND	VCC
G04-426		1	1	12	13	14	2	11	4
		2	7	7	8	9	10		
G04-426a	FC	1	14	11	12	13	1	10	3
		2	5	6	7	8	9		
	FP	1	1	12	13	14	2	11	4
		2	6	7	8	9	10		
G04-426b	M	1	2	3			1	11	4
		2	5	6			7		
		3	9	10			8		
		4	12	13			14		

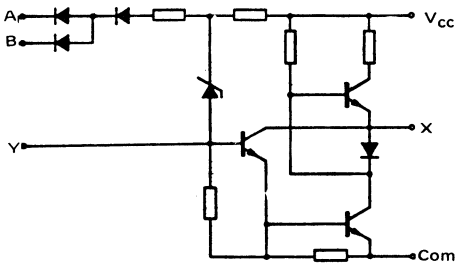
G04-427



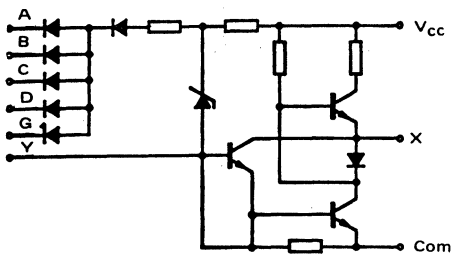
	PKG	CKT	A	B	C	D	E	F	G	H	J	K
G04-427	FP,MP	1	12	13	14	1					2	3
		2	5	6	7	8					9	11
G04-427a	FP,MP	1	1	2	3	5	6	7	9	13	12	11

G04-428

	CKT	A	B	Y	X	VCC	COM
G04-428	1	2	3	1	4	16	8
	2	5	6		7		
	3	11	10		9		
	4	14	13	15	12		
G04-428a	1	2	3		4	16	8
	2	5	6		7		
	3	11	10		9		
	4	14	13		12		

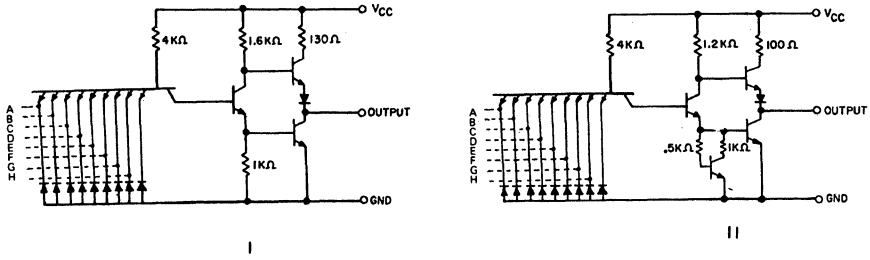


G04-429



	CKT	A	B	C	D	G	Y	X	VCC	COM
G04-429	1	2	3	4	5	6	1	7	16	8
	2	10	11	12	13	14	15	9		
G04-429a	1	2	3	4	5	6		7	16	8
	2	10	11	12	13	14		9		

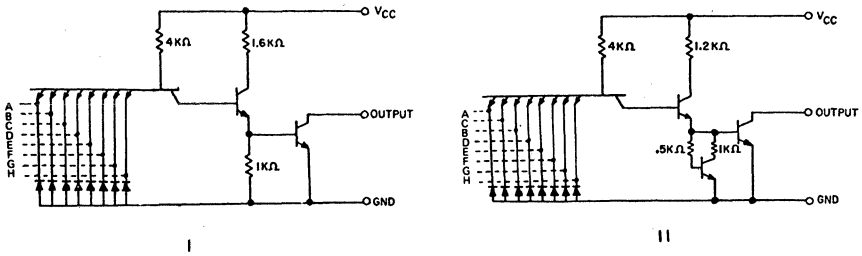
G04-430



CIRCUIT VARIATIONS I or II

	PKG	CKT NO.	A	B	C	D	E	F	G	H	VCC	GND	OUTPUT
G04-430	FP	1	2	3	5	6	7	8	9	10	4	11	12
G04-430a	FP	1	1	12	13	14					4	11	2
		2	6	7	8	9							10
G04-430b	FP	1	1	2	14						4	11	3
		2	6	7	8								5
		3	9	10	12								13
G04-430c	FP	1	1	2							4	11	3
		2	6	7									5
		3	9	10									8
		4	12	13									14
G04-430d	FP	1	1								4	11	14
		2	3										2
		3	5										6
		4	7										8
		5	9										10
		6	13										12
G04-430e	MP	1	1	2	3	4	5	6	11	12	14	7	8
G04-430f	MP	1	1	2	4	5					14	7	6
		2	9	10	12	13							8
G04-430g	MP	1	1	2	13						14	7	12
		2	3	4	5								6
		3	9	10	11								8
G04-430h	MP	1	1	2							14	7	3
		2	4	5									6
		3	9	10									8
		4	12	13									11
G04-430j	MP	1	1								14	7	2
		2	3										4
		3	5										6
		4	9										8
		5	11										10
		6	13										12

G04-431

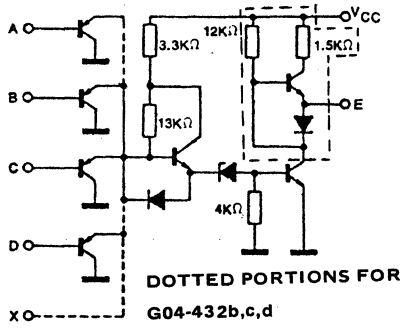


CIRCUIT VARIATIONS I or II

	PKG	CKT NO.	A	B	C	D	E	F	G	H	VCC	GND	OUTPUT
G04-431	FP	1	1	2							4	11	3
		2	6	7									5
		3	9	10									8
		4	12	13									14
G04-431a	FP	1	1								4	11	14
		2	3										2
		3	5										6
		4	7										8
		5	9										10
		6	13										12
G04-431b	MP	1	1	2							14	7	3
		2	4	5									6
		3	9	10									8
		4	12	13									11
G04-431c	FP	1	2	3							14	7	1
		2	5	6									4
		3	8	9									10
		4	11	12									13
G04-431d	FP	1	1								14	7	2
		2	3										4
		3	5										6
		4	9										8
		5	11										10
		6	13										12
G04-431e	MP	1	1	2	13						14	7	12
		2	3	4	5								6
		3	9	10	11								8

G04-432

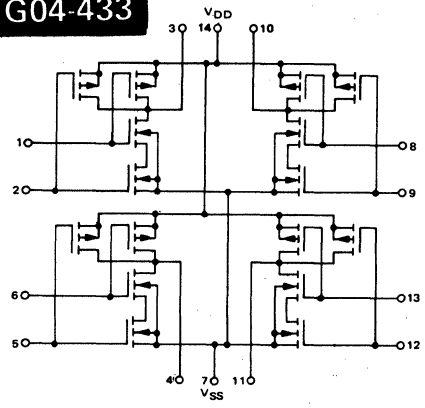
NOTE: OMIT FOR G04-432c



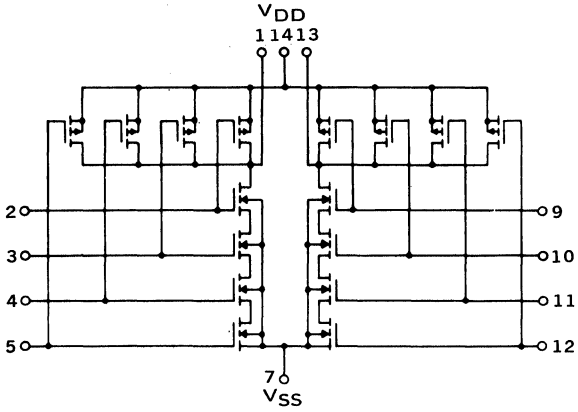
DOTTED PORTIONS FOR G04-432b,c,d

	CKT	A	B	C	D	X	E	VCC	GND
G04-432	1	1	2				3	14	7
	2	4	5				6		
	3	9	10				8		
	4	12	13				11		
G04-432a	1	13	1	2			12	14	7
	2	3	4	5			6		
	3	9	10	11			8		
G04-432b	1	1	2	3	4	3	6	14	7
	2	9	10	12	13	11	8		
G04-432c	1	2				1	3	14	7
	2	5				4	6		
	3	9	10				8		
	4	12	13				11		
G04-432d	1	2				1	3	14	7
	2	5				4	6		
	3	9	10				8		
	4	12	13				11		

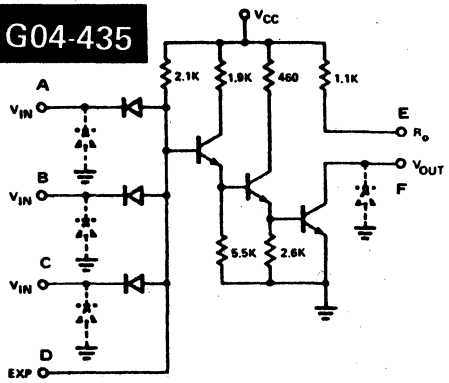
G04-433



G04-434



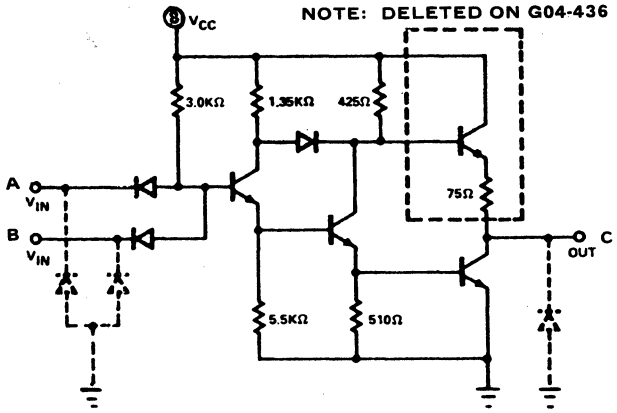
G04-435



G04-435	CKT	A	B	C	D	E	F	VCC	GND
	1	4	5	6	7	3	2	8	1
	2	10	11	12	9	13	14		

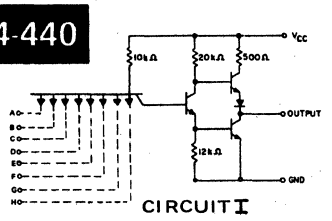
G04-436

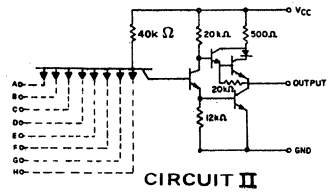
NOTE: DELETED ON G04-436



G04-436,a	CKT	A	B	C	VCC	GND
	1	3	4	2	8	1
	2	6	7	5		
	3	9	10	11		
	4	12	13	14		

G04-440

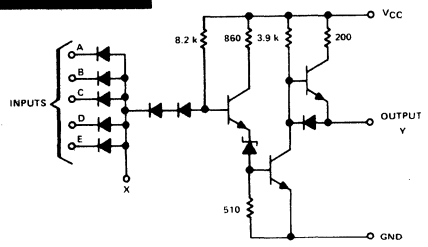




CIRCUIT VARIATIONS I OR II

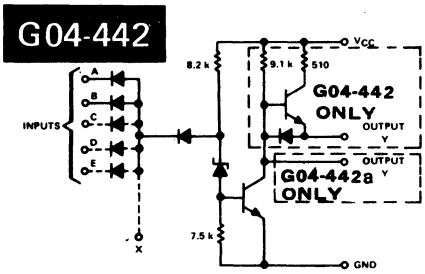
PKG	CKT	A	B	C	D	E	F	G	H	VCC	GND	OUTPUT
G04-440	FF	1	2	3	4	5	6	9	10	4	11	13
	N	1	1	2	3	4	5	6	13	14	7	8
G04-440a	FF	1	1	13	13	14				4	11	3
		2	6	7	8	9						10
	N	1	1	2	4	5				14	7	6
		2	9	10	12	13						8
G04-440b	N	1	1	2	14					4	11	3
		2	6	7	8							5
		3	9	10	12							13
	FF	1	1	2	13					14	7	12
		2	3	4	5							6
		3	9	10	11							8
G04-440c	N	1	1	2						4	11	3
		2	6	7								5
		3	9	10								9
		4	12	13								14
	FF	1	1	2						14	7	3
		2	4	5								6
		3	9	10								8
		4	12	13								11
G04-440d	N	1	1							4	11	14
		2	3									2
		3	5									6
		4	7									8
		5	9									10
		6	13									12
	FF	1	1							14	7	2
		2	3									4
		3	5									6
		4	9									8
		5	11									10
		6	13									12

G04-441



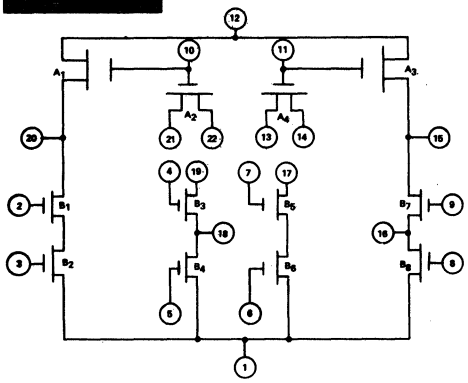
G04-441	CKT	A	B	C	D	E	X	Y	GND	VCC
	1	2	3	4	5	6	7	1	8	16
	2	10	11	12	13	14	9	15	8	16

G04-442

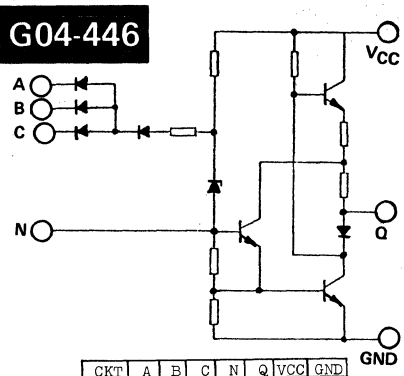


	CKT	A	B	C	D	E	X	Y	GND	VCC
G04-442	1	2	3					1	8	16
	2	6	7				5	4		
	3	10	11					9		
	4	14	15				13	12		
G04-442a	1	2	3					1	8	16
	2	5	6	7				4		
	3	10	11					9		
	4	13	14	15				12		

G04-445

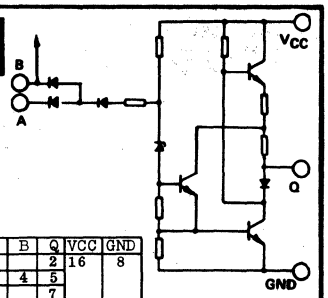


G04-446



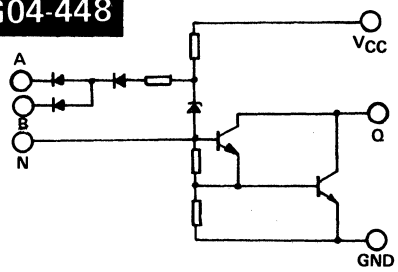
	CKT	A	B	C	N	Q	VCC	GND
G04-446	1	2	3	4	1	5	16	8
	2	7	6	10		9		
	3	12	13	14	15	11		

G04-447



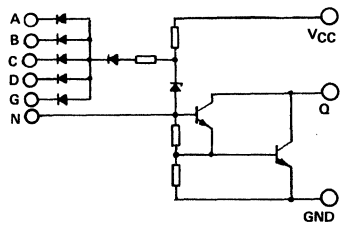
	CKT	A	B	Q	VCC	GND
G04-447	1	1		2	16	8
	2	3	4	5		
	3	6		7		
	4	10		9		
	5	13	12	11		
	6	15		14		
G04-447a	1	1	2	3	16	8
	2	4		5		
	3	6		7		
	4	10		9		
	5	12		11		
	6	14	15	13		

G04-448



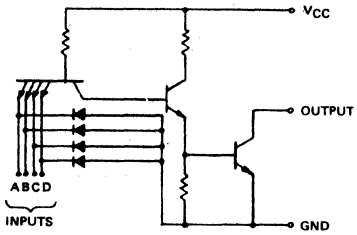
	CKT	A	B	N	Q	VCC	GND
G04-448	1	2	3	1	4	16	8
	2	5	6		7		
	3	10	11		9		
	4	13	14	15	12		

G04-449



	CKT	A	B	C	D	G	N	Q	VCC	GND
G04-449	1	2	3	4	5	6	1	7	16	8
	2	10	11	12	13	14	15	9		

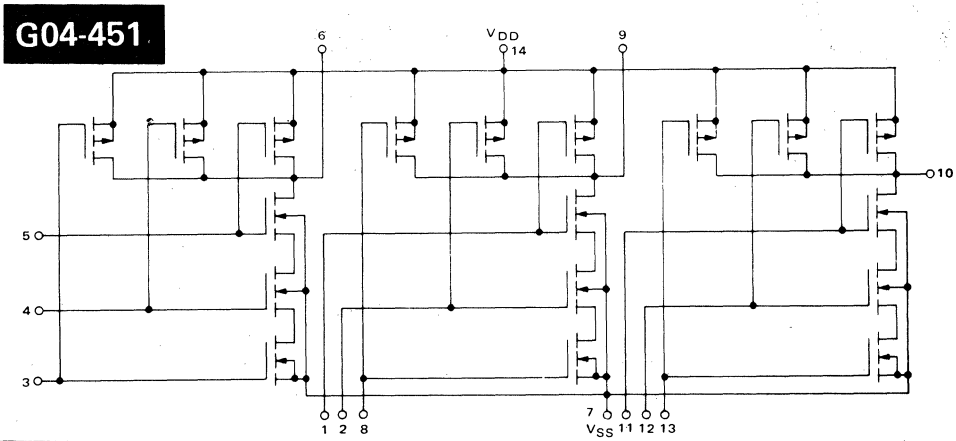
G04-450



OMIT CLAMPING DIODES FOR G04-450e

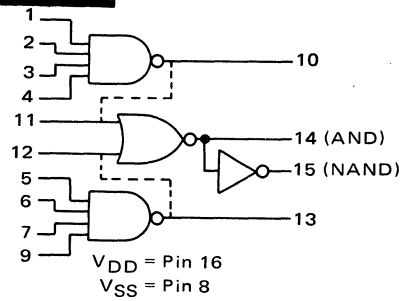
	PKG	CKT NO.	A	B	C	D	OUTP.	VCC	GND
G04-450	FP	1	1	2			3	4	11
		2	6	7			5		
		3	9	10			8		
		4	12	13			14		
	MP	1	1	2			3	14	7
		2	4	5			6		
		3	9	10			8		
		4	12	13			11		
G04-450a	FP	1	1	12	13	14	2	4	11
		2	6	7	8	9	10		
	MP	1	1	2	4	5	6	14	7
		2	9	10	12	13	8		
G04-450b	MP	1	2	3			1	14	7
		2	5	6			4		
		3	8	9			10		
		4	11	12			13		
G04-450c, e	MP	1	1	2	13		12	14	7
		2	3	4	5		6		
		3	9	10	11		8		
G04-450d	MP	1	1	2	13		12	14	7
		2	3	4	5		6		
		3	9	10	11		8		

G04-451



G04-452

Use Dotted Connection Externally.

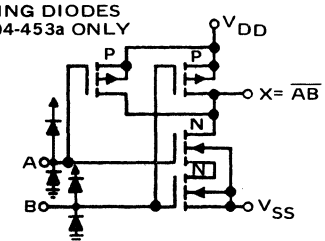


V_{DD} = Pin 16
V_{SS} = Pin 8

Note: Pin 14 must not be used as an input to the inverter.

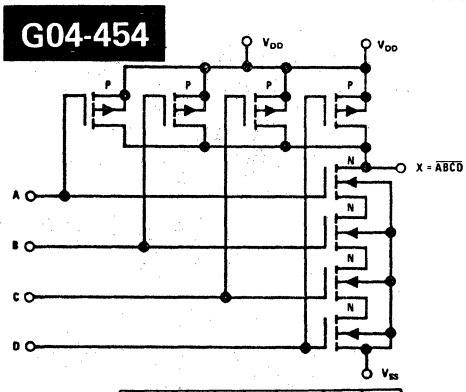
G04-453

CLAMPING DIODES FOR G04-453a ONLY



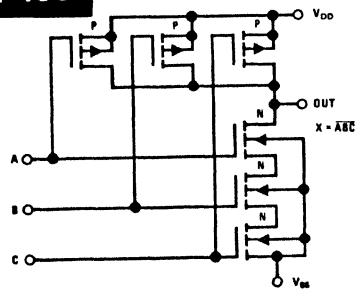
	CKT	A	B	OUTP	VDD	VSS
G04-453	1	1	2	3	14	7
	2	5	6	4		
	3	8	9	10		
	4	12	13	11		

G04-454



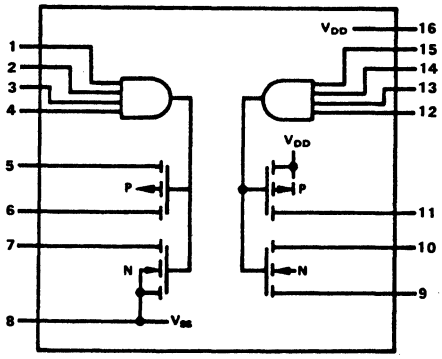
	CKT	A	B	C	D	OUTP	VDD	VSS
G04-454	1	2	3	4	5	1	14	7
	2	9	10	11	12	13		

G04-455

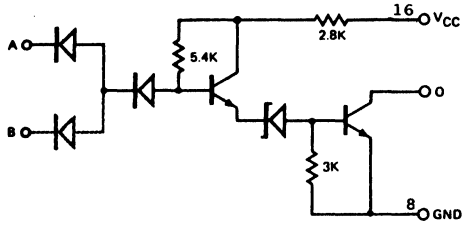


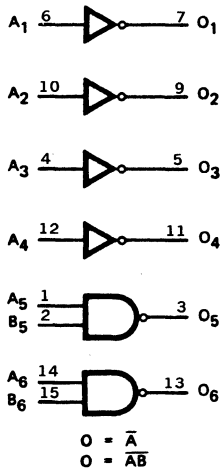
	CKT	A	B	C	OUTP	VDD	VSS
G04-455	1	3	4	5	6	14	7
	2	8	1	2	9		
	3	11	12	13	10		

G04-456



G04-457

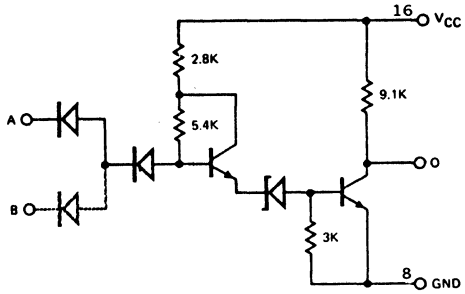


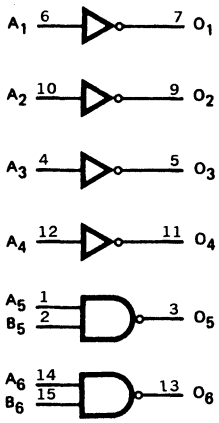


O = $\overline{A}$

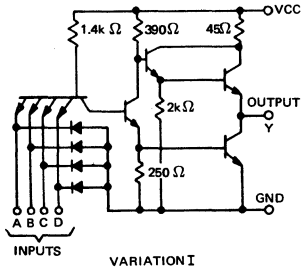
O = $\overline{AB}$

G04-458

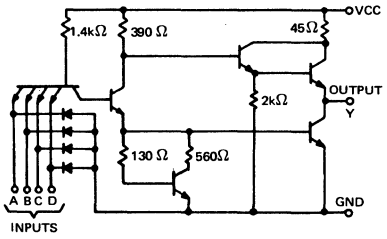




G04-459



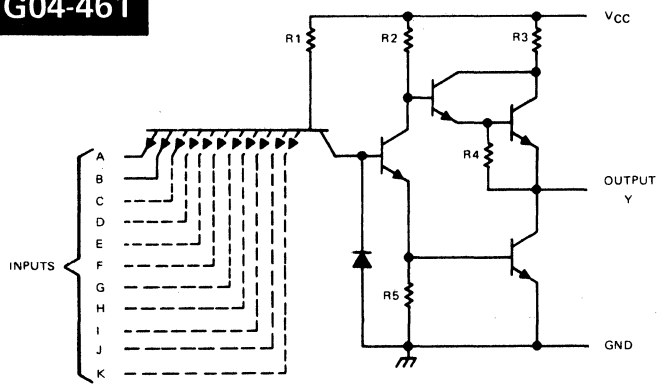
VARIATION I



VARIATION II

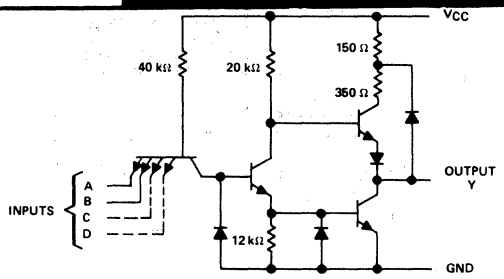
	PKG	CKT	A	B	C	D	Y	VCC	GND
G04-459	FP	1	1	12	13	14	2	4	11
		2	6	7	8	9	10		
	M	1	1	2	4	5	6	14	7
		2	9	10	12	13	8		

G04-461



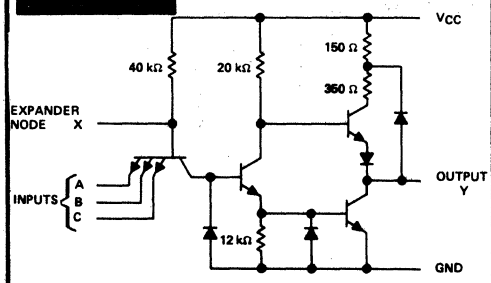
	CKT	A	B	C	D	E	F	G	H	I	J	K	Y
G04-461	1	1	2										3
	2	6	7										5
	3	9	10										8
	4	12	13										14
G04-461a	1	1	2	14									3
	2	6	7	8									5
	3	9	10	12									13
G04-461b	1	1	12	13	14								2
	2	6	7	8	9								10
G04-461c	1	1	2	3	5	6	7	8	9	10	13	14	12

G04-462



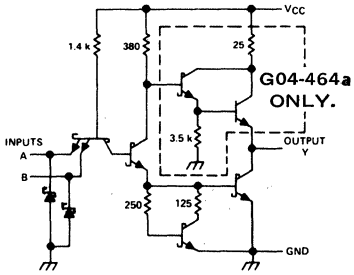
	CKT	A	B	C	D	X	Y
G04-462	1	1	2				3
	2	6	7				5
	3	9	10				8
	4	12	13				14
G04-462a	1	1	2	14			3
	2	6	7	8			5
	3	9	10	12			13
G04-462b	1	1	12	13	14		2
	2	6	7	8	9		10
G04-462c	1	12	13	14			2
	2	6	7	8			10

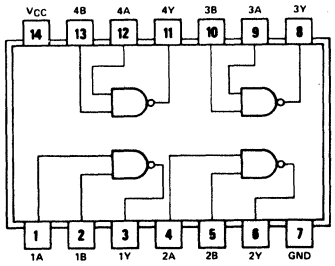
G04-463



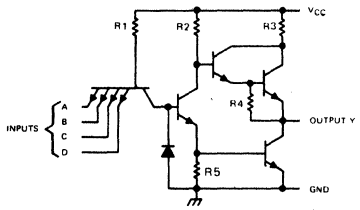
	CKT	A	B	C	X	Y
G04-463	1	12	13	14	1	2
	2	6	7	8	9	10

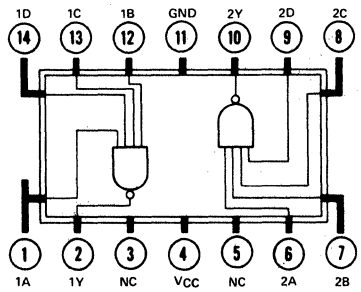
G04-464



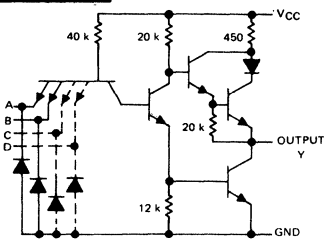


G04-465



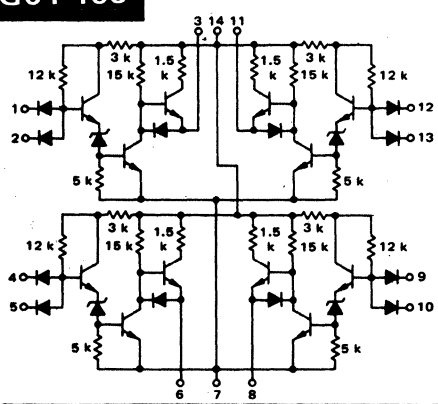


G04-466

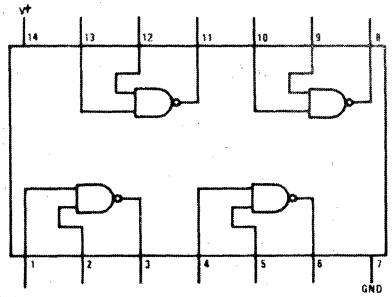


	PKG	CKT	A	B	C	D	E	F	G	H	Y	VCC	GND	REMARKS
G04-466	FC	1	1	2							3	14	7	
		2	4	5							6			
		3	9	10							8			
		4	12	13							11			
G04-466a	FC	1	1	2	4	5					6	14	7	
		2	9	10	12	13					8			
G04-466b	M	1	1	2							3	14	7	NO INP CLAMPING DIODES
		2	4	5							6			
		3	9	10							8			
		4	12	13							11			
	FP	1	1	2							3	4	11	
		2	6	7							5			
		3	9	10							8			
		4	12	13							14			
G04-466c	M	1	1	2	13						12	14	7	NO INP CLAMPING DIODES
		2	3	4	5						6			
		3	9	10	11						8			
	FP	1	1	2	14						3	4	11	
		2	6	7	8						5			
		3	9	10	12						13			
G04-466d	M	1	1	2	4	5					6	14	7	NO INP CLAMPING DIODES
		2	9	10	12	13					8			
	FP	1	1	12	13	14					2	4	11	
		2	6	7	8	9					10			
G04-466e	M	1	1	2	3	4	5	6	11	12	8	14	7	NO INP CLAMPING DIODES
	FP	1	2	3	5	6	7	8	9	10	12	4	11	

G04-468



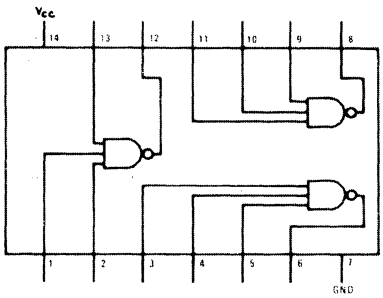
G04-469



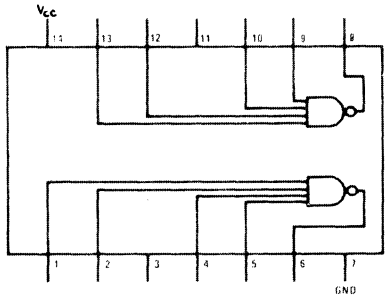
SECTION 12. LOGIC DRAWING

IN DRAWING NUMBER SEQUENCE

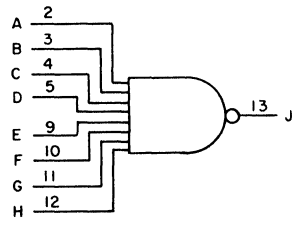
G04-470



G04-471



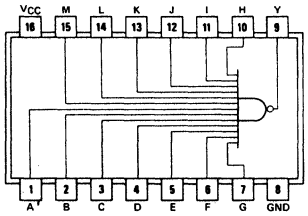
G04-472



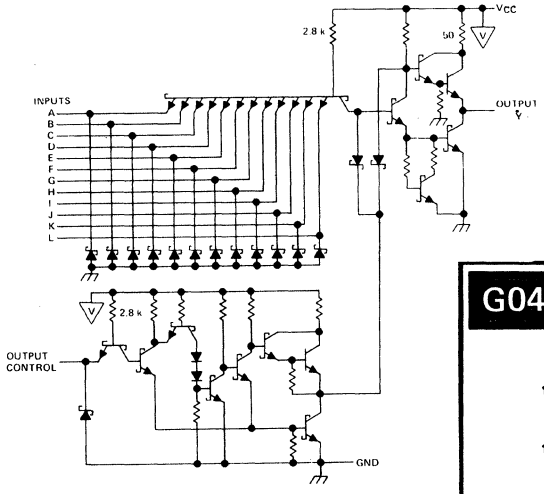
V_{DD} = 14

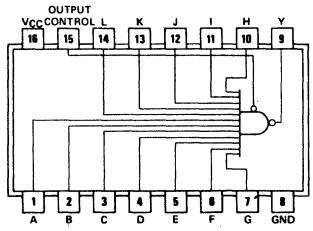
V_{SS} = 7

G04-474

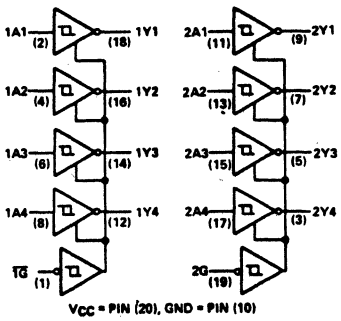


G04-475



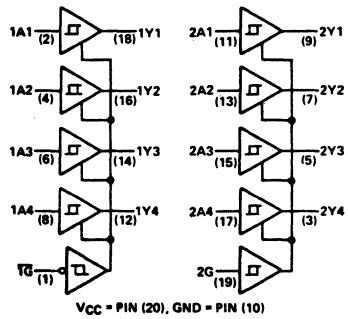


G04-476



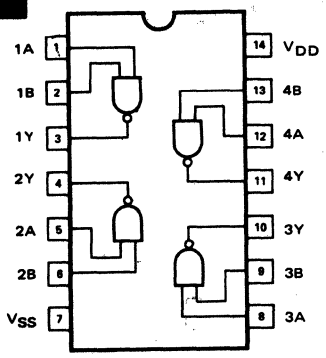
V_{CC} = PIN (20), GND = PIN (10)

G04-477



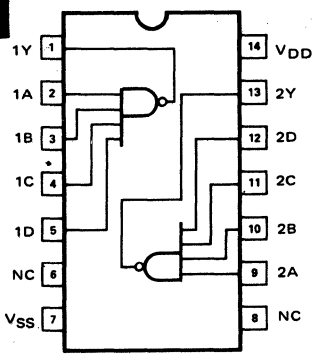
V_{CC} = PIN (20), GND = PIN (10)

G04-478



positive logic: $Y = \overline{AB}$

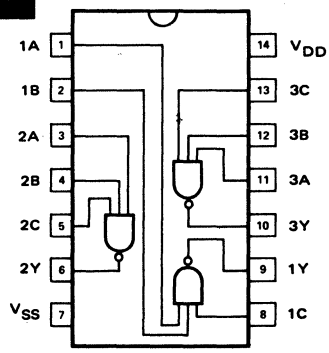
G04-479



positive logic: $Y = \overline{ABCD}$

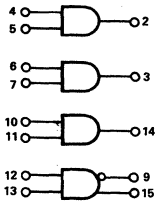
NC—No internal connection

G04-480

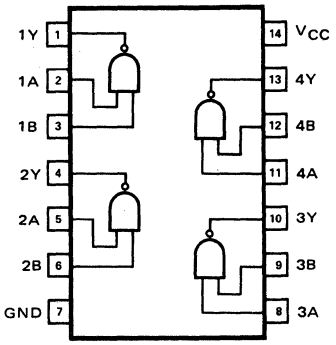


positive logic: $Y = \overline{ABC}$

G04-481

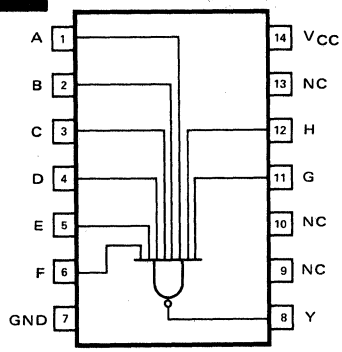


G04-482



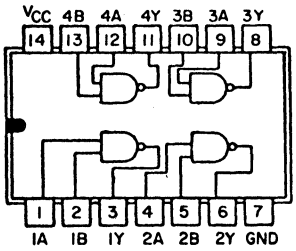
positive logic: Y = AB

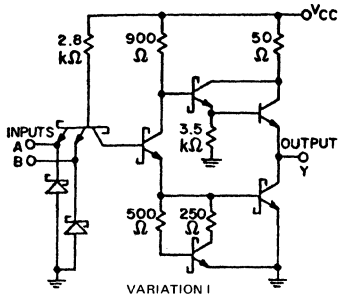
G04-483



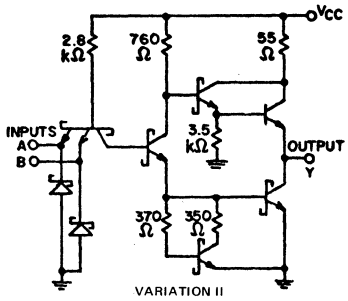
positive logic: $Y = \overline{ABCDEFGH}$

G04-484



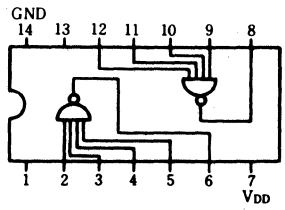


VARIATION I

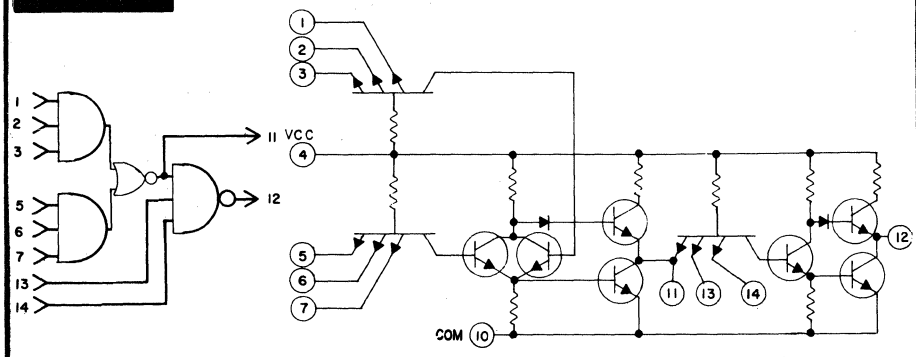


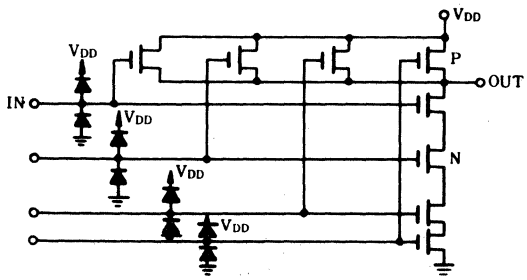
VARIATION II

G04-485

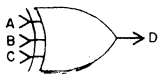


GO5-45



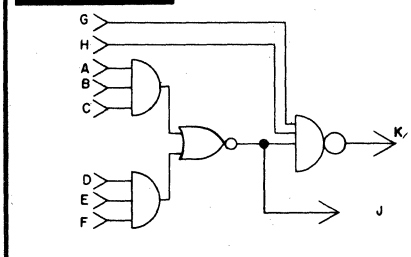


G05-72



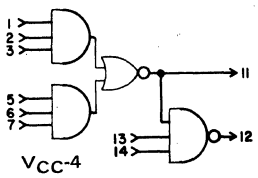
	PKG	CKT	A	B	C	D	VCC	GND
G05-72		1	1	2	3	4		
		2	6	7	8	9		
G05-72a		1	1	2		7		
		2	3	5		6		
G05-72b		1	1	2		3	14	7
		2	4	5		6		
		3	10	9		8		
		4	13	12		11		
G05-72c	FP	1	2	3		1	4	11
		2	5	6		7		
		3	9	10		8		
		4	12	13		14		
	M	1	1	2		3	14	7
		2	5	6		4		
		3	8	9		10		
		4	12	13		11		

G05-79



A	B	C	D	E	F	G	H	J	K	V_{BB}	COM	OUTLINE
9	10	11	1	2	3	8	NC	6	7	12	5	CN3A
1	2	3	5	6	7	13	14	11	12	4	10	TC 86

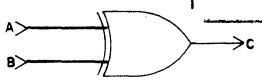
G05-83



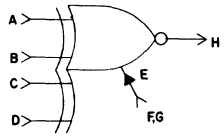
V_{CC}-4
COM-10

G05-84

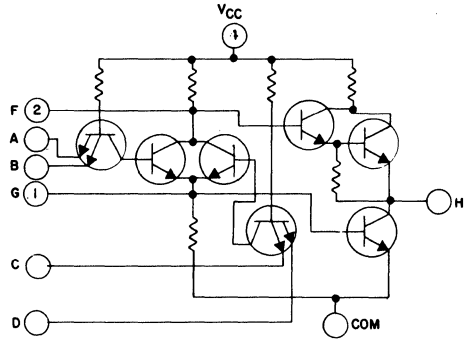
G05-84	CKT	A	B	C
	1	E	F	D
	2	L	K	J
	3	R	P	N
	4	V	U	T



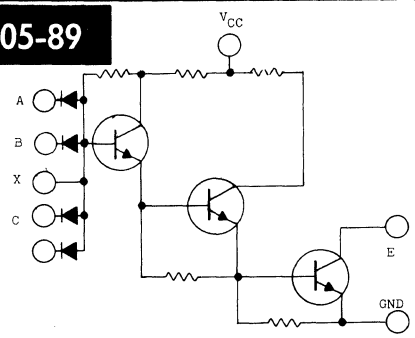
G05-87



CKT. NO.	TERMINALS									PACKAGE
	A	B	C	D	F	G	H	V_{CC}	COM	
1	3	5	13	14	2	1	12	4	11	FP
2	6	7	8	9			10	4	11	
1	1	13	9	10	12	11	8	14	7	MP
2	2	3	4	5			6	14	7	

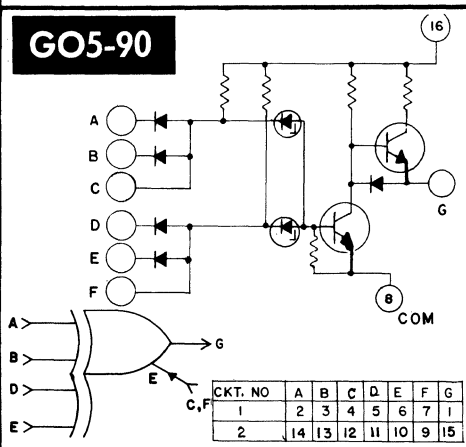


G05-89



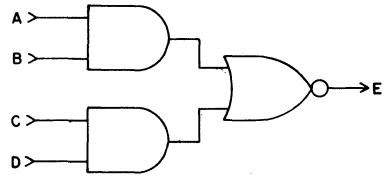
	CKT	A	B	C	D	E	V_{CC}	GND	X
G05-89a	1	1	2	4	5	6	14	7	3
	2	9	10	12	13	8	14	7	11
G05-89b	1	1	2	3		4	10	5	
	2	8	9			6	10	5	7

GO5-90



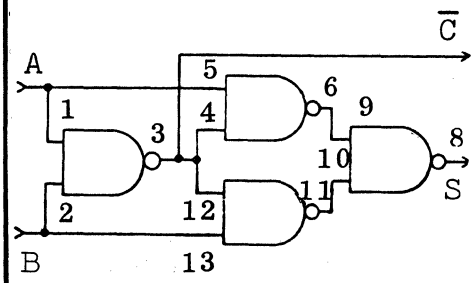
CKT. NO	A	B	C	D	E	F	G
1	2	3	4	5	6	7	1
2	14	13	12	11	10	9	15

GO5-92



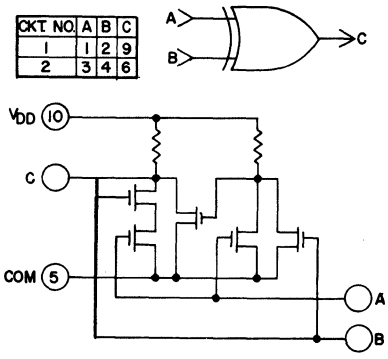
	CKT. NO	A	B	C	D	E	COM	V_{CC}
FP	1	6	7	8	9	10	11	4
	2	13	14	1	2	12		
MP	1	1	2	4	5	6	7	14
	2	9	10	12	13	8		

G05-93

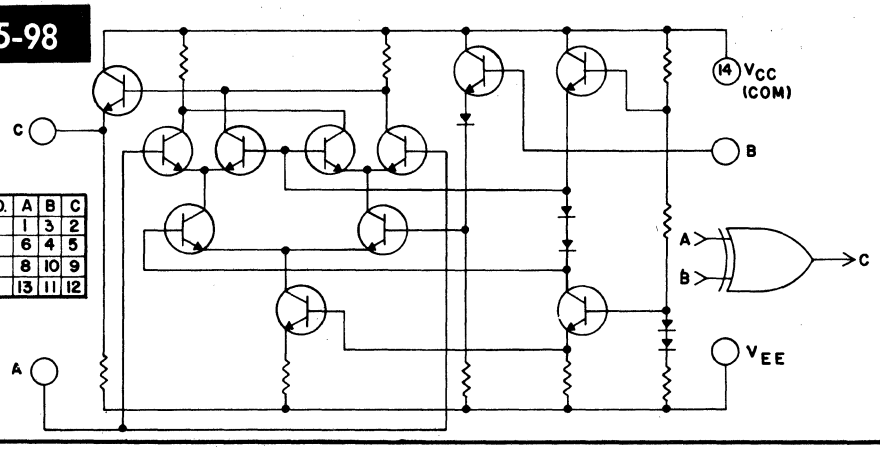


G05-97

CKT. NO	A	B	C
1	1	2	9
2	3	4	6



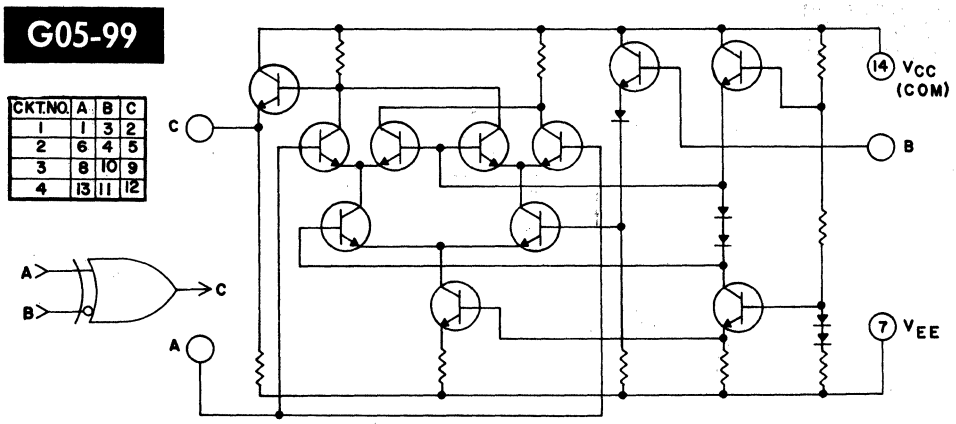
G05-98



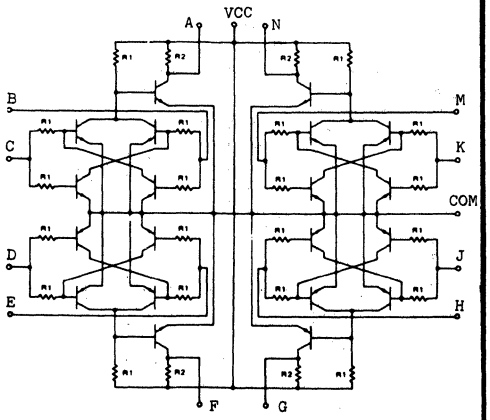
CKT. NO.	A	B	C
1	1	3	2
2	6	4	5
3	8	10	9
4	13	11	12

G05-99

CKT.NO.	A	B	C
1	1	3	2
2	6	4	5
3	8	10	9
4	13	11	12

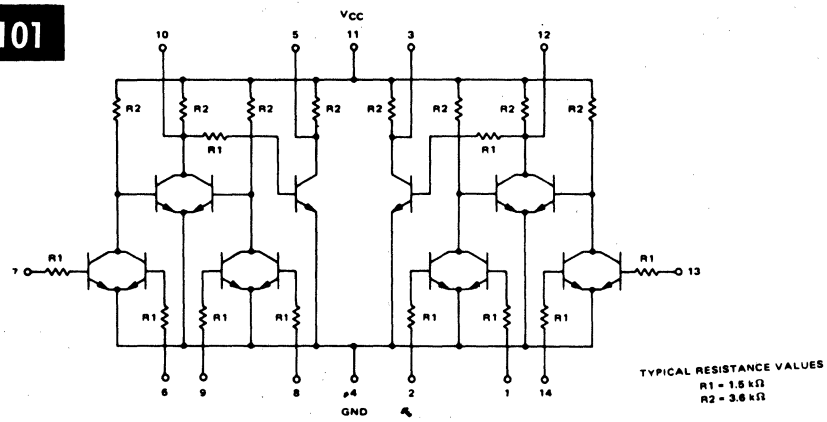


G05-100



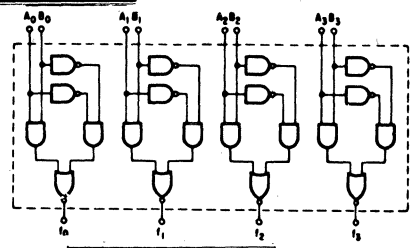
	A	B	C	D	E	F	G	H	J	K	M	N	V_{CC}	COM
G05-100	8	10	9	12	13	14	3	2	1	7	6	5	11	4
G05-100a	11	13	12	1	2	3	6	5	4	10	9	8	14	7

G05-101



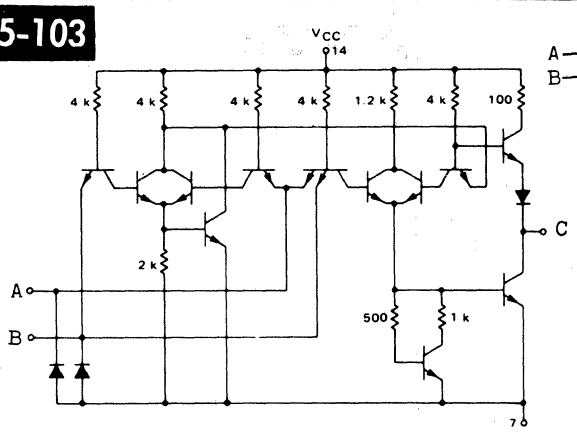
TYPICAL RESISTANCE VALUES
R1 = 1.5 kΩ
R2 = 3.6 kΩ

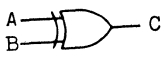
G05-102



	PKG	CKT	A	B	F	V_{CC}	GND
G05-102	MP	1	1	2	3	14	7
		2	6	5	4	14	7
		3	8	9	10	14	7
		4	13	12	11	14	7
	FP	1	5	6	7	4	11
		2	10	9	8	4	11
		3	12	13	14	4	11
		4	3	2	1	4	11

G05-103

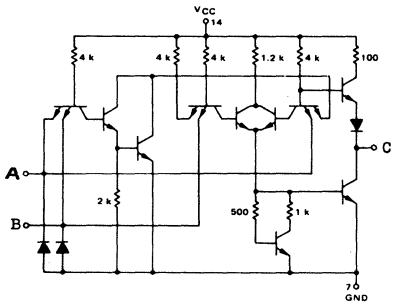




CKT.NO.	A	B	C
1	1	2	3
2	4	5	6
3	9	10	8
4	12	13	11

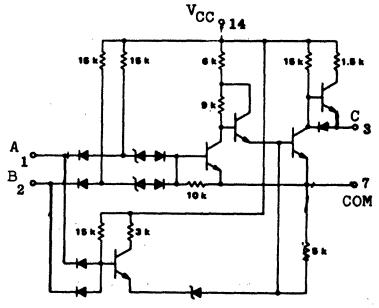
G05-104

CKT.NO.	A	B	C
1	1	2	3
2	4	5	6
3	9	10	8
4	12	13	11

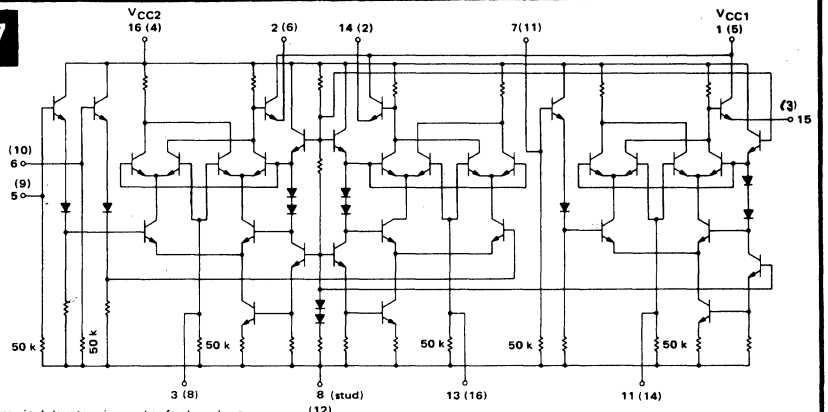


G05-106

	CKT	A	B	C
G05-106	1	1	2	3
	2	4	5	6
	3	9	10	8
	4	12	13	11

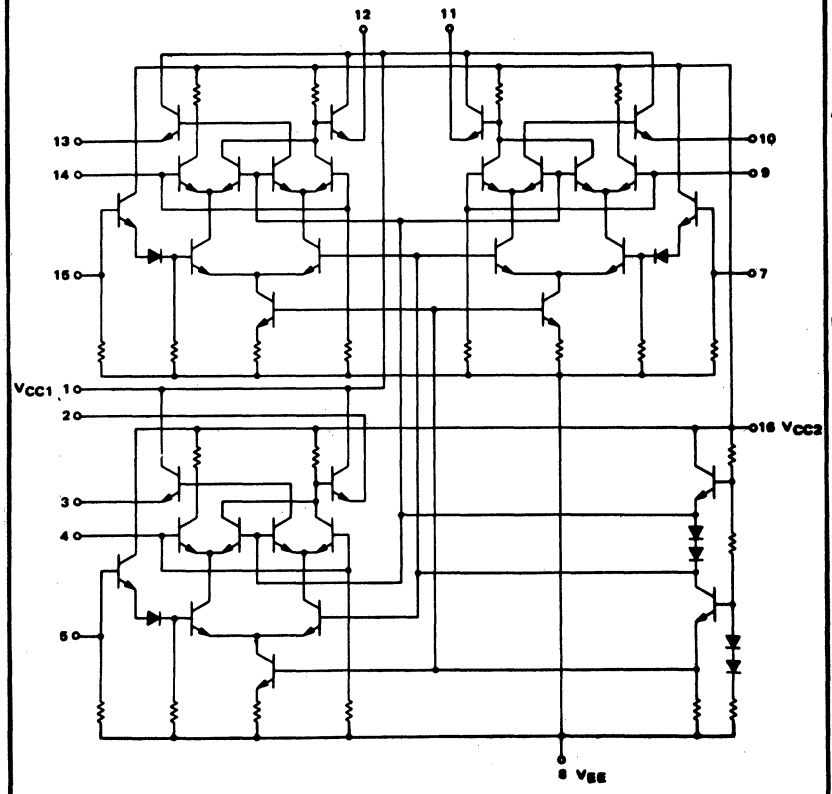


G05-107

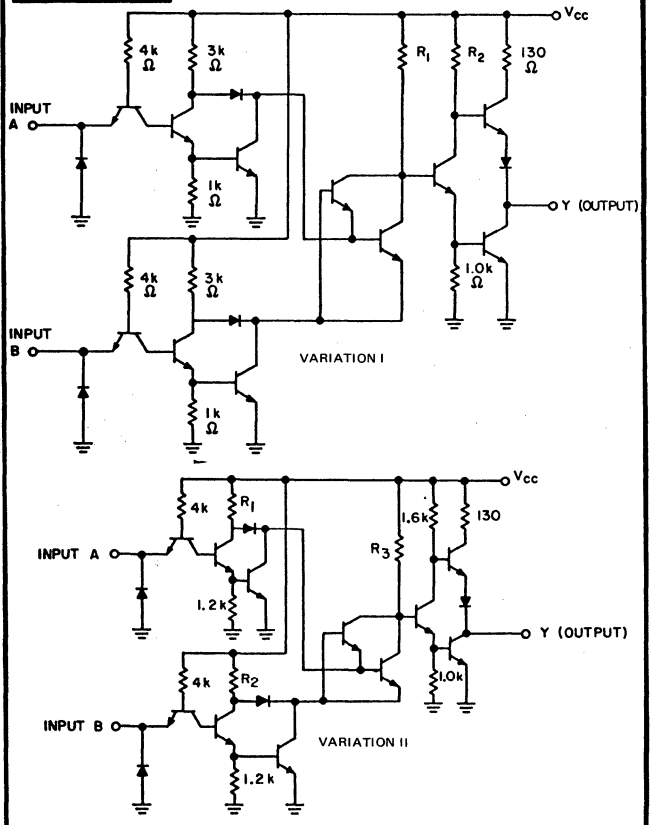


Number at end of terminal denotes pin number for L package
Number in parenthesis denotes pin number for F package

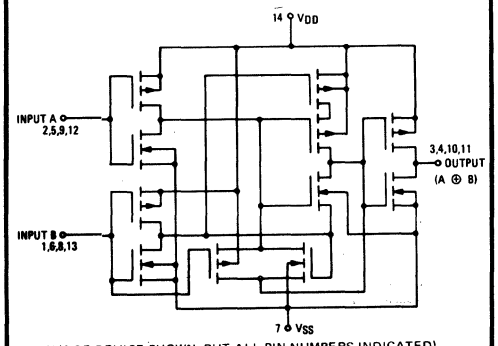
G05-108



G05-109

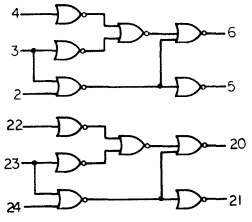


G05-110



(1/4 OF DEVICE SHOWN, BUT ALL PIN NUMBERS INDICATED)

G05-111

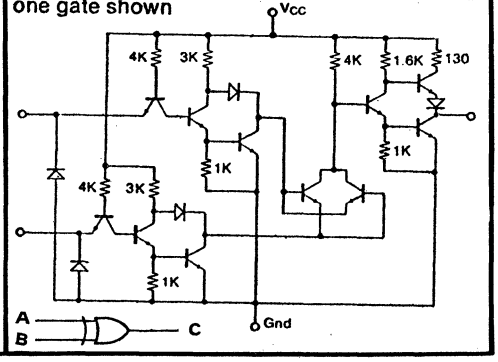


VSS 1
VDD 13
ϕ1 12
ϕ2 14

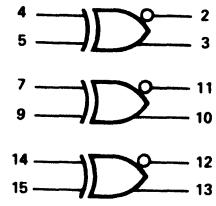
G05-112

G05-112	CKT	A	B	C	VCC	GND
	1	1	2	3	14	7
	2	4	5	6		
	3	9	10	8		
	4	12	13	11		

one gate shown

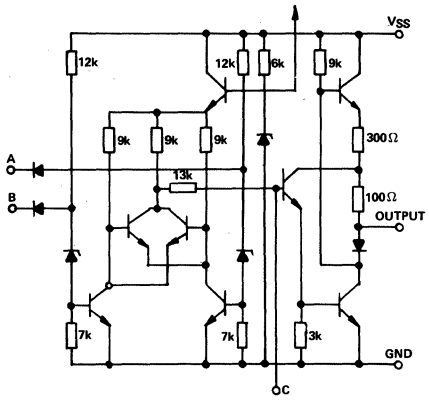


G05-113

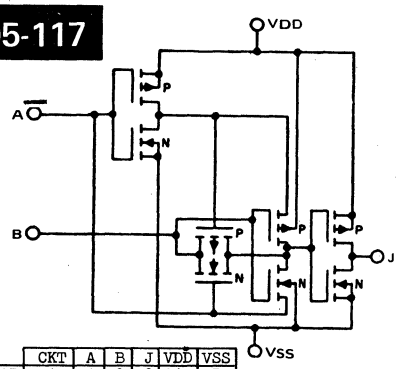


G05-116

	CKT	A	B	C	OUTPUT	VSS	GND
G05-116	1	2	3	1	4	16	8
	2	5	6		7		
	3	10	11		9		
	4	13	14	15	12		

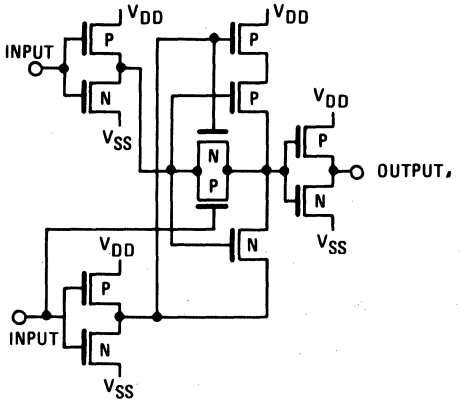


G05-117

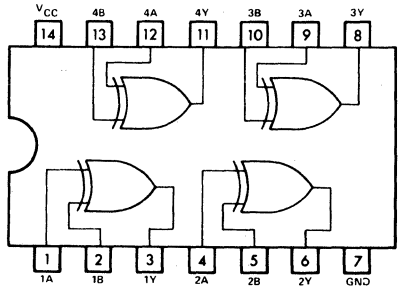


	CKT	A	B	J	VDD	VSS
G05-117	1	1	2	3	14	7
	2	5	6	4		
	3	8	9	10		
	4	12	13	11		

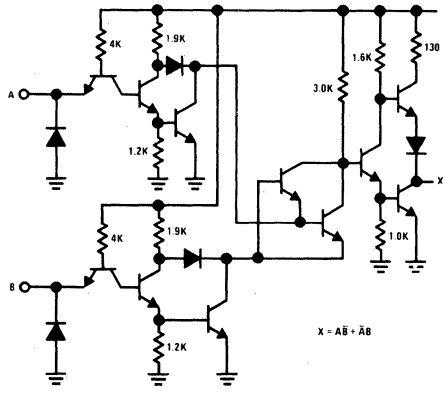
G05-119

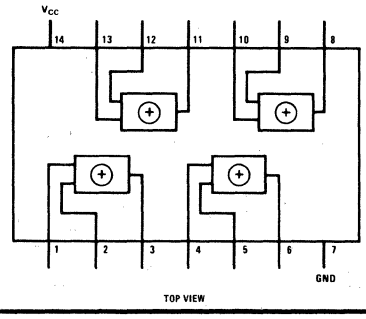


G05-120

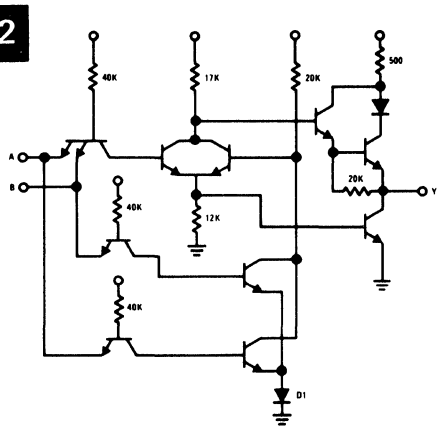


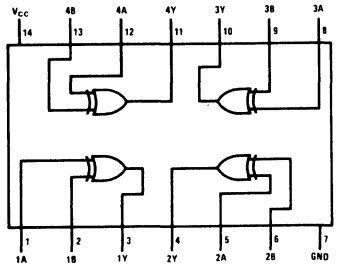
G05-121



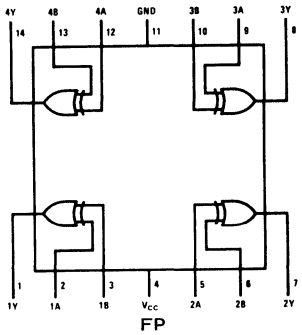


G05-122



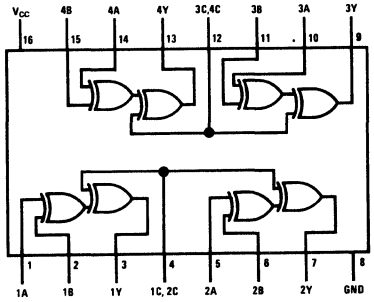


DIL



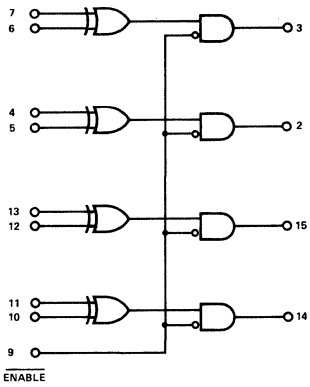
FP

G05-123



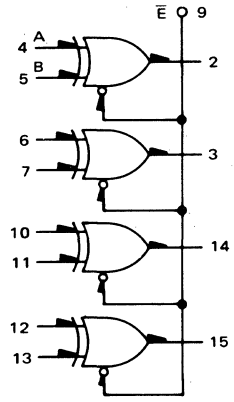
TOP VIEW

G05-124



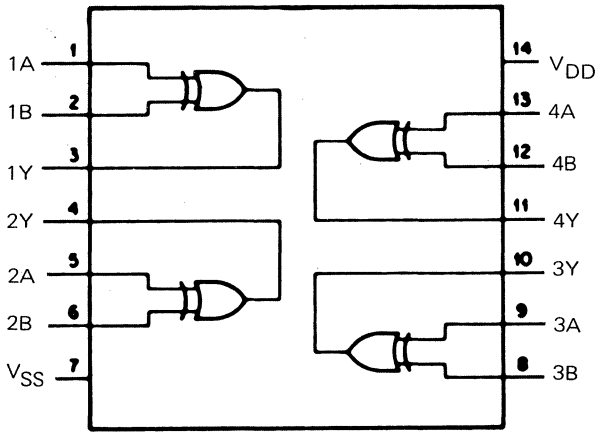
V_{CC1} = 1, V_{CC2} = 16, V_{EE} = 8
POSITIVE LOGIC: HIGH LEVEL = '1'

G05-125

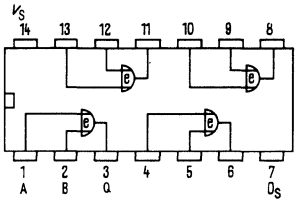


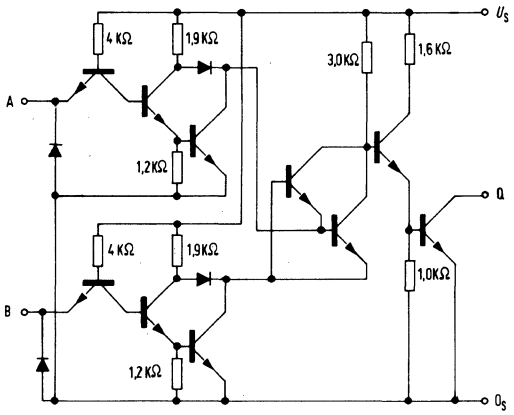
V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

G05-126

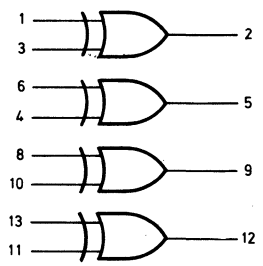


G05-127

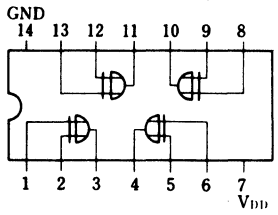


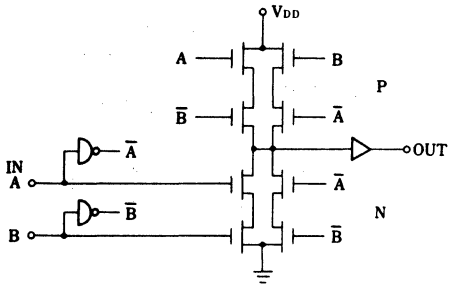


G05-128

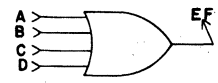


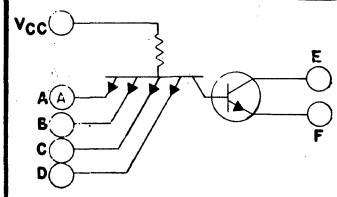
G05-129





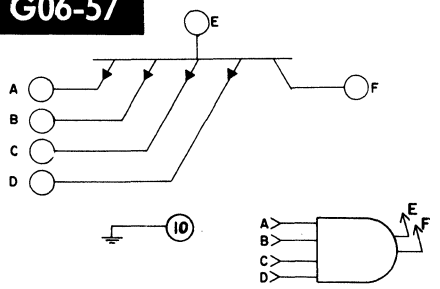
G06-56





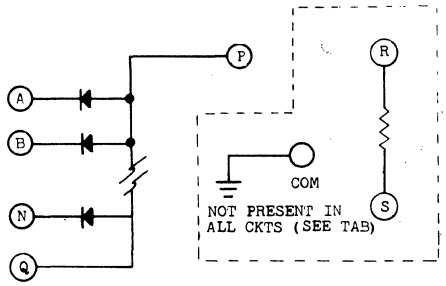
	OUTLINE	CKT. NO.	A	B	C	D	E	F	VCC	COM
G06-56	FP	1	14	1	2	3	12	13	4	10
		2	8	7	6	5	11	9	4	10
G06-56a	MP	1	13	1	2	3	11	12	14	
		2	4	5	6	8	10	9	14	
G06-56b	MP	1	5	6	7	8	11	9	4	10
		2	1	2	3	4	12	13	4	10
G06-56c	FP	1	3	5	6	7	2	1	4	11
		2	8	9	10	12	13	14	4	11

G06-57



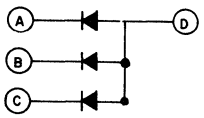
	CKT TERM	A	B	C	D	E	F
G06-57	1	1	2	3	14	13	12
	2	5	6	7	8	9	11

G06-61

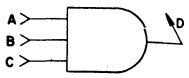


	CKT	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	COM	VCC
G06-61	1	5	6	7	8	9								10				11	
	2	1	2	3	13	14								12				11	
G06-61b	1	1	2	3	4	5	6	7	8	9	12	13	14	10				11	
G06-61c	1	3	4											2				1	
	2	5	6											7				1	
	3	10	11											9				1	
	4	12	13											14				1	
G06-61d	1	3	4	5	6	7								2				1	
	2	9	10	11	12	13								14				1	
G06-61e	1	41	40	39										37					
	2	36	35	34										33					
	3	32	31	30										29					
	4	28	27	26										25					
	5	24	23	22										21					
	6	20	18	19										17					
	7	16	15	14										13					
	8	12	11	10										9					
	9	8	7	6	5									4					
G06-61f	1	4	5	6	7	8								9					
	2	10	11	12	13	14								15					
	3	16	17	18	19	20								21					
	4	22	23	24	25	26								27					
	5	28	29	30	31	32								33					
	6	34	35	36	37	38								39					
	7	40												41					
G06-61g	1	3	4	5	6	7	8							10				1	
G06-61h	1	2	3	10										4		9	2	1	
	2	7	8	9										5		9	2	1	
G06-61j	1	10	11	12	13									9				14	
	2	2	3	4										1				14	
	3	5	7	8										6				14	
G06-61k	1	3	4	5	6	7	8							10		9	2	1	
G06-61m	1	10	2	3										4				1	
	2	7	8	9										5				1	
G06-61s	1	1	2	3	13	14								12				11	
	2	5	6	7	8	9								10				11	
G06-61t	1	1	2											3				11	
	2	6	7											5				11	
	3	8	9											10				11	
	4	13	14											12				11	
G06-61w	1	16	17	19	20									18					
	2	21	22	23										24					
	3	25	26	27										28					
	4	29	30	31										32					
	5	1	3											2					
	6	6	5											4					
	7	7	9											8					
	8	10	11											12					
	9	13	15											14					
G06-61x	1	2	3	4	5	6									1			7	14
	2	9	10	11	12	13									8				
G06-61y	1	2	3	5	6										4			7	
	2	13	12	10	9										11				

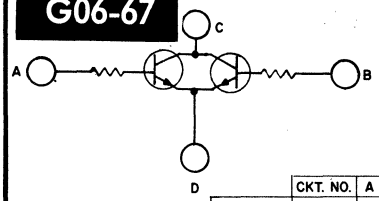
G06-64

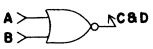


DWG. NO.	CKT NO.	A	B	C	D
G0664	1	6	7	8	5
	2	10	11	12	9
	3	14	15	16	13
	4	18	19		17
GO 664A	1	2	4		5
	2	6	7		8
	3	9	10		11
	4	12	13		14
	5	15	16	17	18
	6	19	20	21	22
	7	23	24	25	26
	8	27	28	29	30
	9	31	32	33	35



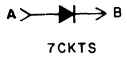
G06-67





	CKT. NO.	A	B	C	D	
G06-67	1	1	2	7	4	
	2	5	3	6	4	
G06-67A	1	1	2	7	4	CN
	2	5	3	6	4	
	1	2	3	9	5	FP
	2	4	7	8	5	
G06-67B	1	1	2	9	5	
	2	6	4	7	5	
G06-67C	1	1	2	8		
	2	4	6	7	5	
	3	3	NC	9		

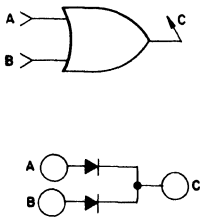
G06-71



7CKTS

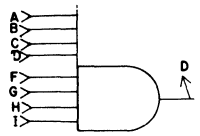
CKT. NO.	A	B
1	D	E
2	F	H
3	J	K
4	L	M
5	N	P
6	R	S
7	T	U

G06-72

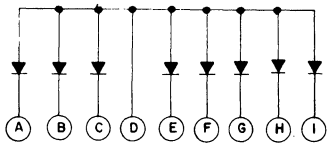


CKT	TERM	A	B	C
G0672	1	D	E	F
	2	H	J	K
	3	L	M	N
	4	P	R	S
	5	T	U	V
G0672A	1	3	4	5
	2	6	7	8
	3	9	10	11
	4	12	13	14
	5	15	16	17
	6	18	19	20
	7	21	22	23
	8	24	25	26
	9	27	28	29
	10	30	31	32

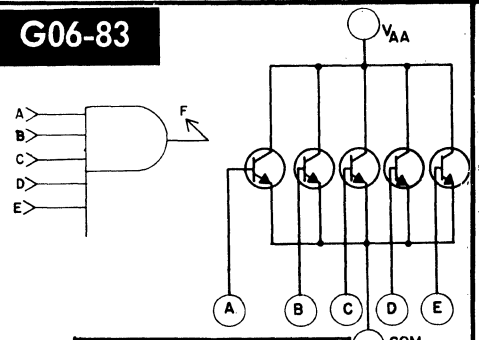
G06-74



	A	B	C	D	E	F	G	H	I
G0674	1	2	3	4	5	6	7	8	9
G0674A	1	2	3	4	NC	6	7	NC	NC

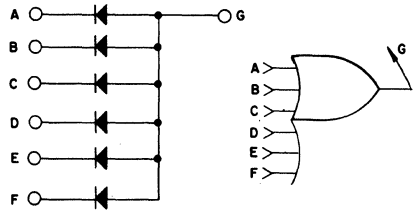


G06-83



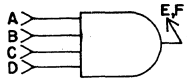
	CKT. NO.	A	B	C	D	E	V	COM
G06-83	1	6	7	8	9	10	5	4
G06-83A	1	4	5	6	7	10	1	3
G06-83B	1	1	2	3	13	14	4	12
	2	6	8	9	10		5	11

G06-86



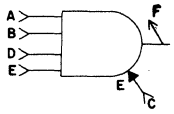
	CKT	TERM	A	B	C	D	E	F	G
G0686			1	2	3	4	5	6	7
G0686A			1	2	3	4	5		6
G0686B		1	3	4	5	6			7
		2	8	9	10	11			12
		3	13	14	15	16			17
		4	18	19	20	21			22
		5	23	24	25	26			27
		6	28	29	30	31			32
G0686C		1	3	4					5
		2	6	7					8
		3	9	10					11
		4	12	13					14
		5	15	16					17
		6	18	19					20
		7	21	22					23
		8	24	25					26
		9	27	28					29
		10	30	31					32

G06-87



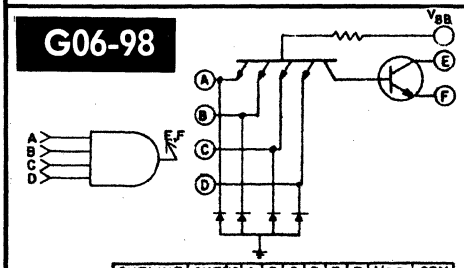
	CKT. NO.	A	B	C	D	E	F	COM
G06-87	1	14	1	2	3	12	13	10
	2	5	6	7	8	11	9	
G06-87A	1	1	8	7	6	3	2	4

G06-94



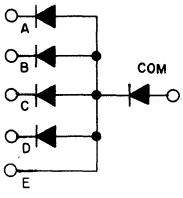
	CKT	A	B	C	D	E	F	
G06-94	1	10	1	2	3	4	5	CN
	2		9	8	7	6	5	
	1	2	3	4	5	6		FP
	2	9	10	11	12	13		
G06-94a	1	10	1	2	3	4		CN
	2		9	8	7	6		
G06-94b	1	2	3	4	5	6		FP,M
	2	9	10	11	12	13		
G06-94c	1	1	2	3	4	5		CN
	2	7	8	9	10	11		
G06-94d	1	2	3	4	5	6	7	FP
	2	13	12	11	10	9	7	M
G06-94e	1	45	44	41	46	49	40	
	2	48	47	42	50	43	39	
	3	33	32	29	34	37	28	
	4	36	35	30	38	31	27	
	5	21	20	17	22	25	16	
	6	24	23	18	26	19	15	
	7	9	8	5	10	13	4	
	8	12	11	6	14	7	3	

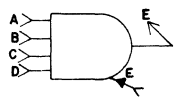
G06-98



	OUTLINE	CKT NO	A	B	C	D	E	F	V_{BB}	COM
G06-98	FP	1	12	10	9	8	13	14	4	
		2	3	5	6	7	2	1		
	MP	1	4	6	7	8	3	2	5	
		2	9	10	11	13	14	15		
G06-98A	MP	1	1	2	3	13	12	11	14	
		2	4	5	6	8	9	10		
G06-98B	FP	1	3	5	6	7	2	1	4	11
		2	8	9	10	12	13	14		
	MP	1	1	2	3	13	12	11	14	7
		2	4	5	6	8	9	10		

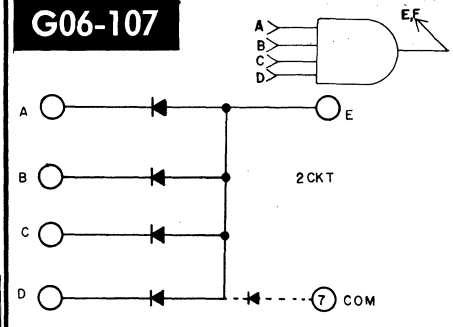
G06-103





		CKT	A	B	C	D	E	COM
G06103	FP	1	5	6	2	3	4	7
		2	9	10	12	13	11	
	CN	1	5	4	1	2	3	6
		2	7	8	10	11	9	
G06103a		1	1	2			3	7
		2	4	5			6	
		3	10	9			8	
		4	13	12			11	
G06103b		1	1	2			3	6
		2	4				5	
		3	9	8			7	
		4	12	11			10	
G06103c		1	1	2			3	5
		2	8	7			6	
		3	10				9	
G06103d		1	5	4			6	7
		2	3	2			1	
		3	9	10			8	
		4	11	12			13	

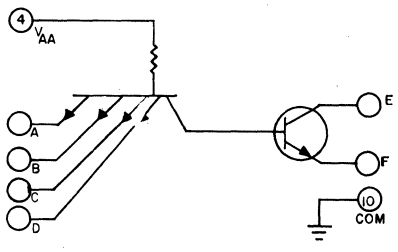
G06-107



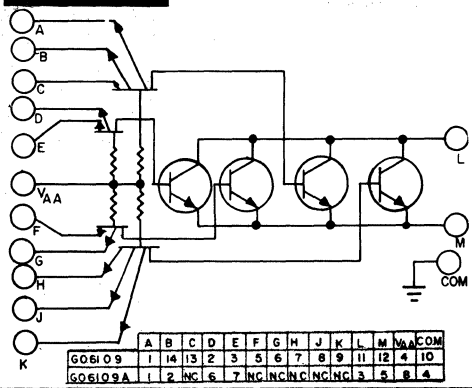
CKT NO.	A	B	C	D	E
1	13	12	9	10	11
2	2	3	5	6	4

G06-108

CKT NO.	A	B	C	D	E	F
1	14	1	2	3	12	13
2	5	6	7	8	11	9

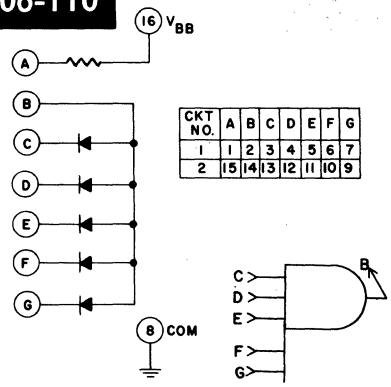


G06-109



	A	B	C	D	E	F	G	H	J	K	L	M	V_{AA}	COM
G06109	1	14	13	2	3	5	6	7	8	9	11	12	4	10
G06109A	1	2	NC	6	7	NC	NC	NC	NC	NC	3	5	8	4

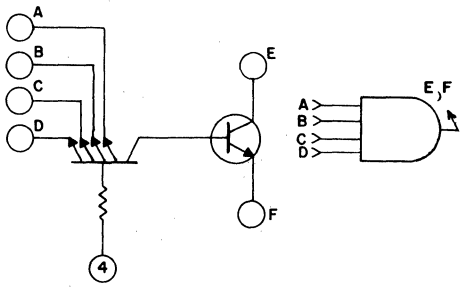
G06-110



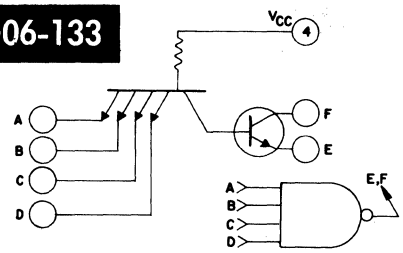
CKT NO.	A	B	C	D	E	F	G
1	1	2	3	4	5	6	7
2	15	14	13	12	11	10	9

G06-111

CKT. NO	A	B	C	D	E	F
1	5	6	7	8	11	9
2	1	2	3	14	12	13

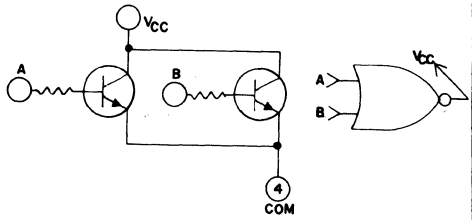


G06-133



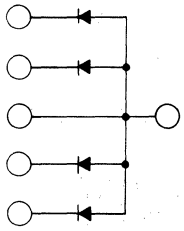
	CKT. NO.	A	B	C	D	E	F	COM	V_{CC}
G06-133	1	3	5	6	7	2	1	11	4
	2	8	9	10	12	13	14		
G06-133A	1	1	2	3	13	12	11	7	14
	2	4	5	6	8	9	10		
G06-133B	1	1	2	3	13	11	12	7	14
	2	4	5	6	8	10	9		

G06-134

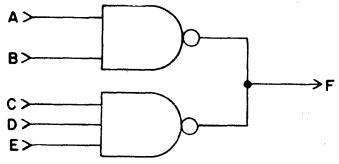


	CKT. NO.	A	B	C
G06-134	1	1	2	7
	2	3	5	6
G06-134A	1	1	2	3
	2	6	7	5
	3	9	10	8
	4	12	13	14

G06-136

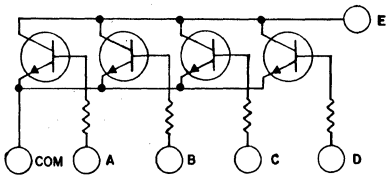


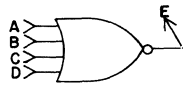
G06-141



CKT. NO	A	B	C	D	E	F
1	13	14	1	2	3	12
2	8	9	5	6	7	11

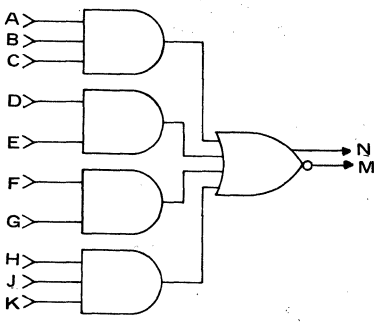
G06-142





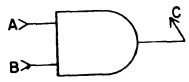
	CKT	PACKAGE	A	B	C	D	E	V_{CC}	COM
G06-142	1	TO99	1	2			7		
	2		3	5			6	8	4
	1	TO91	1	2			9		
	2		4	6			7	10	5
G06-142a	1	TO86	2	3	5	6	1	14	7
	2		8	9	10	12	13		
G06-142b	1	TO86	1	2			3		
	2		4	5			6		
	3		9	10			8	14	7
	4		12	13			11		
G06-142c	1	MF	2	3	13	14	12	11	4
	2		5	6	7	9	10		
G06-142d	1	MP	14				1		
	2		13				2		
	3		12				3		
	4		10				5	11	4
	5		9				6		
	6		8				7		
G06-142e	1	TO86	3				4		
	2		2				5		
	3		1				6		
	4		13				8	14	7
	5		12				9		
	6		11				10		
G06-142f	1	MP	1	2			3		
	2		6	7			5		
	3		9	10			8	11	4
	4		12	13			14		

G06-143



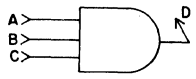
	PKG.	A	B	C	D	E	F	G	H	J	K	M	N	V_{CC}	COM
G06-143		1	13	14	2	3	5	6	7	8	9	11	12	4	10
G06-143A	FP	1	13	14	2	3	5	6	7	8	9	10	12	4	11
	MP	3	4	5	1	2	12	13	9	10	11	6	8	14	7

G06-152



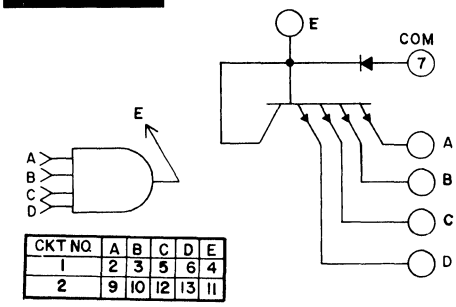
	CKT NO.	A	B	C	COM
MP	1	3	4	2	1
	2	5	6	7	
	3	13	12	14	
	4	11	10	9	
FP	1	1	2	3	11
	2	6	7	5	
	3	8	9	10	
	4	13	14	12	

G06-153



	CKT. NO.	A	B	C	D
G06-153	1	6	7		5
	2	2	3	4	1
	3	9	10		8
	4	D	E	F	C
	5	12	13		11
	6	J	K	L	H
	7	15	16		14
	8	N	P	R	M
	9	18	19		17
	10	T	U	V	S
	11	21	22		20
	12	X	Y	Z	W

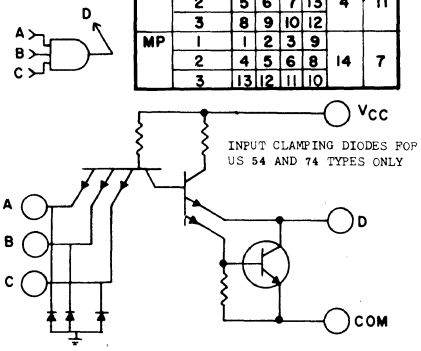
G06-156



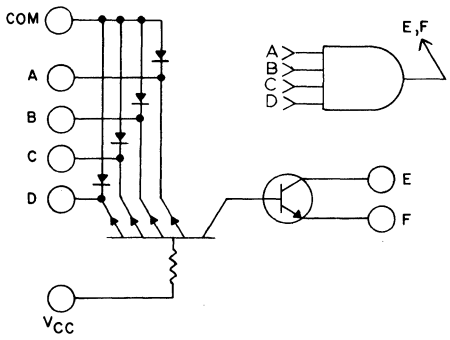
CKT NO.	A	B	C	D	E
1	2	3	5	6	4
2	9	10	12	13	11

G06-157

PKG	CKT NO.	A	B	C	D	V_{CC}	COM
FP	1	1	2	3	14	4	11
	2	5	6	7	13		
	3	8	9	10	12		
MP	1	1	2	3	9	14	7
	2	4	5	6	8		
	3	13	12	11	10		



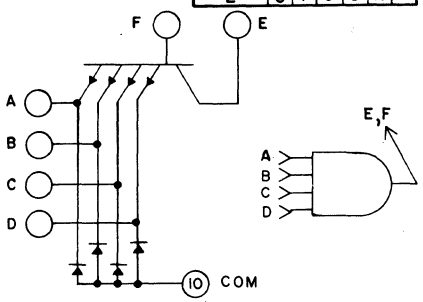
G06-159



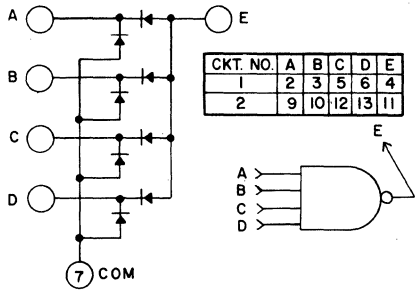
	CKT	A	B	C	D	E	F	V_{CC}	COM
G06-159	1	14	1	2	3	12	13	4	10
	2	8	7	6	5	11	9		
G06-159a	1	1	2	3	13	11	12	14	7
	2	4	5	6	8	9	10		
G06-159b	1	7	6	5	3	2	1	4	11
	2	12	10	9	8	13	14		
G06-159c	1	13	3	2	1	12	11	14	7
	2	8	6	5	4	9	10		

G06-160

CKT NO.	A	B	C	D	E	F
1	14	1	2	3	12	13
2	8	7	6	5	11	9

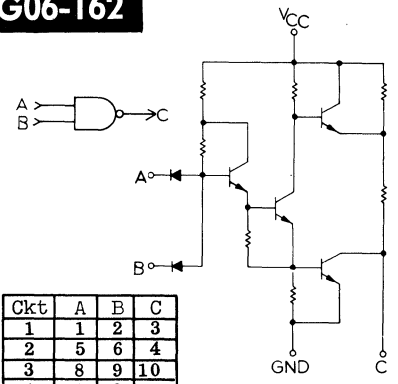


G06-161



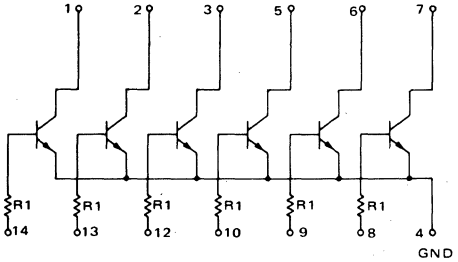
CKT. NO.	A	B	C	D	E
1	2	3	5	6	4
2	9	10	12	13	11

G06-162

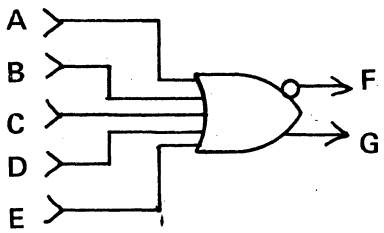


Ckt	A	B	C
1	1	2	3
2	5	6	4
3	8	9	10
4	12	13	11

G06-163



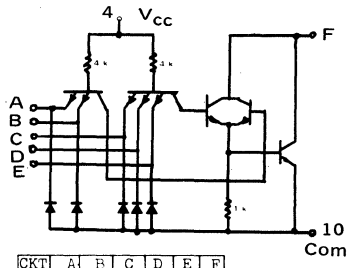
G06-164



	CKT NO.	A	B	C	D	E	F	G
G06-164	1	1	2	3	13	14	4	5
	2	6	8	9	10		12	11

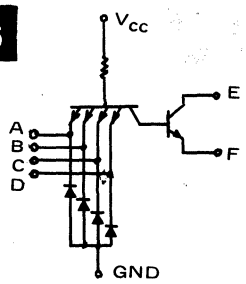
G06-165

1/2 OF CIRCUIT SHOWN



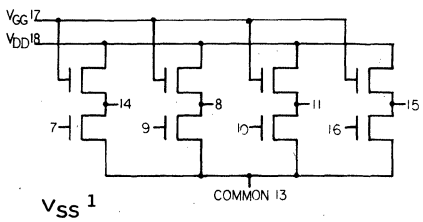
	CKT	A	B	C	D	E	F
G06-165	1	13	14	1	2	3	12
	2	9	8	7	6	5	11

G06-166

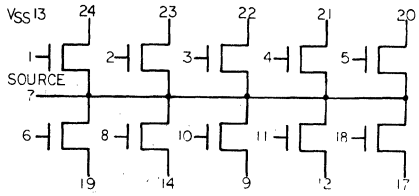


	PKG	CKT	A	B	C	D	E	F	VCC	GND
G06-166		1	3	5	6	7	2	1	4	11
		2	8	9	10	12	14	13		
G06-166a	FC	1	2	4	5	6	1	14	3	10
		2	7	8	9	11	13	12		
	FP	1	3	5	6	7	2	1	4	11
		2	8	9	10	12	14	13		

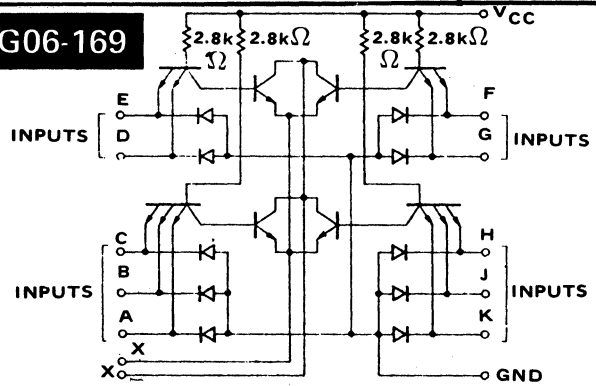
G06-167



G06-168

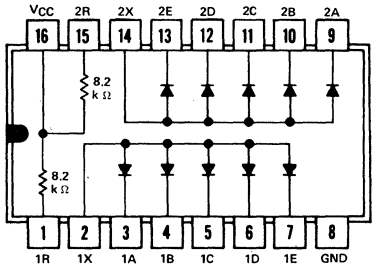


G06-169

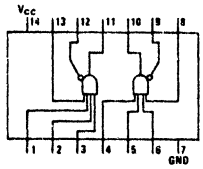


	A	B	C	D	E	F	G	H	J	K	X	$\overline{X}$	GND	VCC
G06-169	9	10	11	12	13	1	2	3	4	5	8	6	7	14
G06-169a	13	14	1	2	3	5	6	7	8	9	12	10	11	4

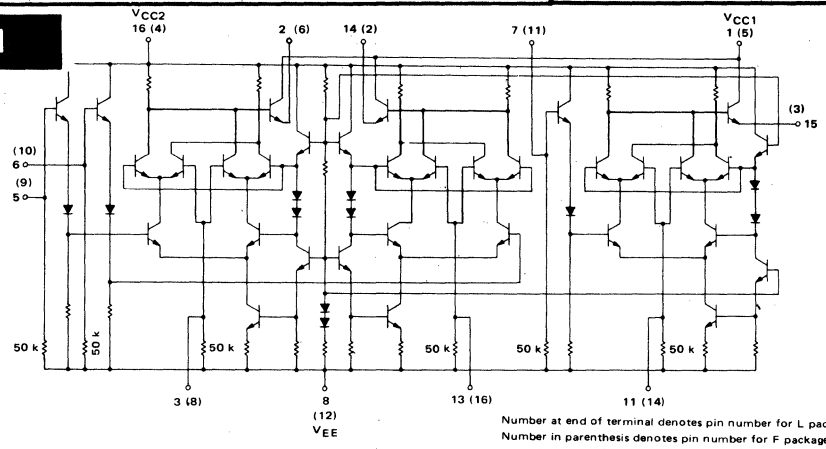
G06-170



G06-171

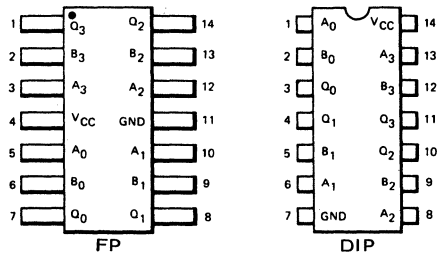


G07-1

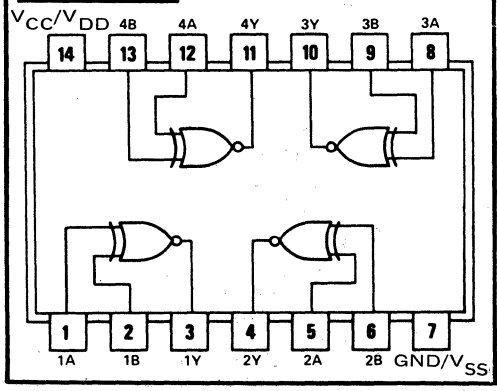


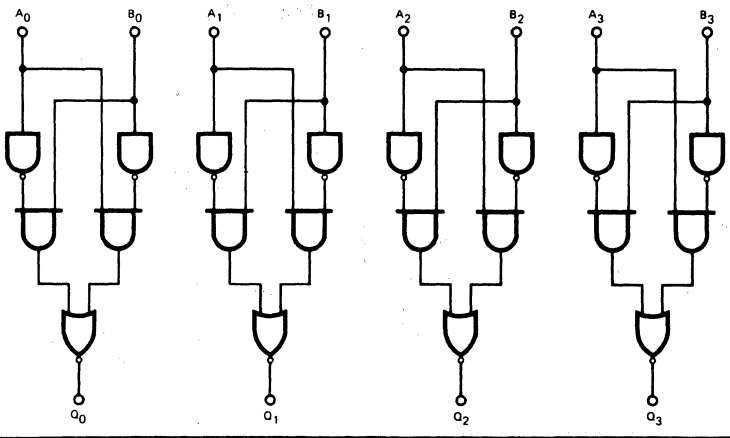
Number at end of terminal denotes pin number for L package
Number in parenthesis denotes pin number for F package

G07-4

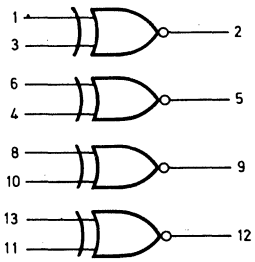


G07-5

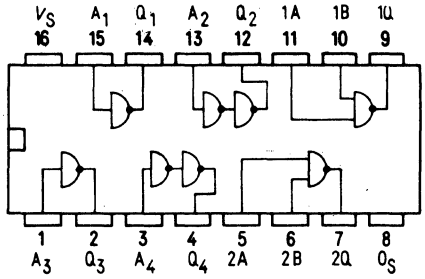




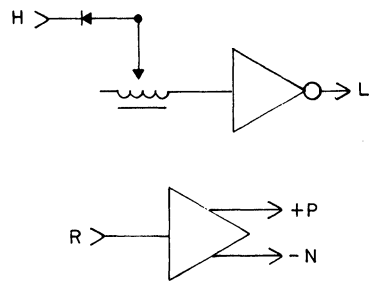
G07-6



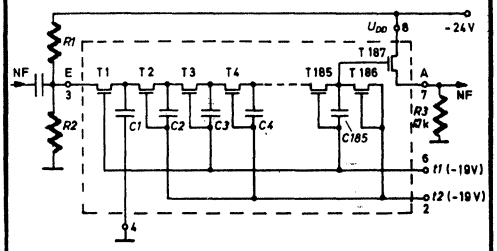
J01-1



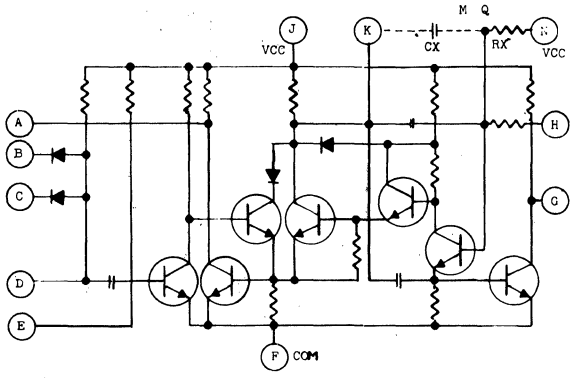
J03-1



J03-2

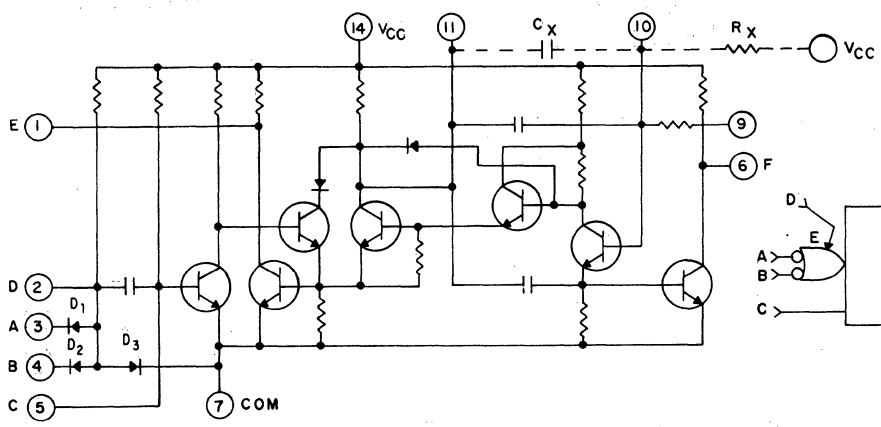


J04-29



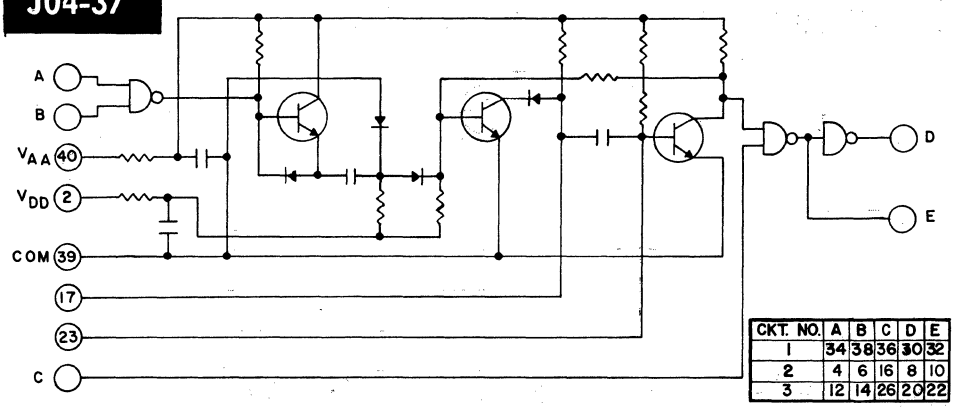
	PACKAGE	A	B	C	D	E	F	G	H	J	K	L	N
J04-29	FP, MP	1	3	4	2		7	6	9	14	11	10	
	CN	7		9	8		1	10	2	6	4	3	

J04-33



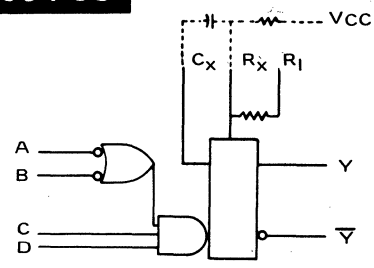
	PRESENCE OF DIODES		
	D1	D2	D3
J0433	YES	YES	NO
J0433A	YES	YES	YES
J0433B	NO	NO	NO

J04-37



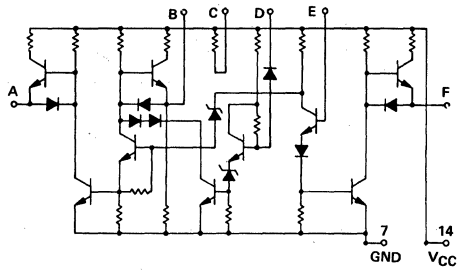
CKT. NO.	A	B	C	D	E
1	34	38	36	30	32
2	4	6	16	8	10
3	12	14	26	20	22

J04-38



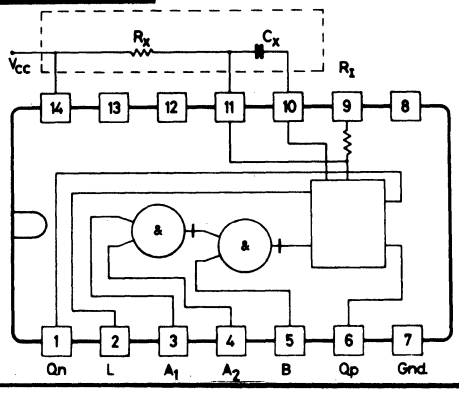
	A	B	C	D	CX	RX	RI	Y	Y	VCC	GND
J04-38	1	2	3	4	11	13		8	6	14	7
J04-38a	3	4	5		10	11	9	6	1	14	7

J04-40

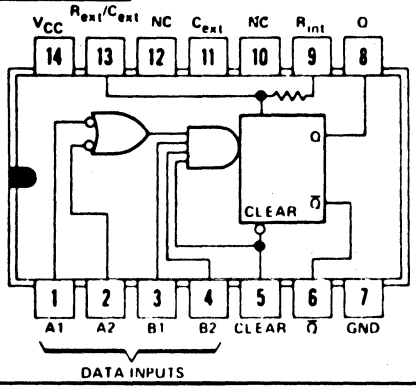


CKT.NO.	A	B	C	D	E	F
1	6	5	4	1	3	2
2	8	9	10	13	11	12

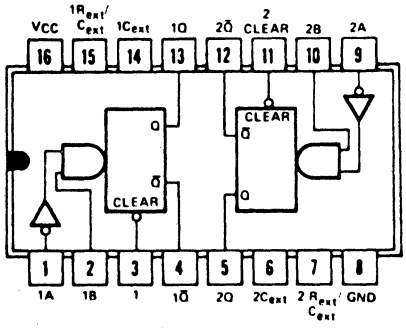
J04-42



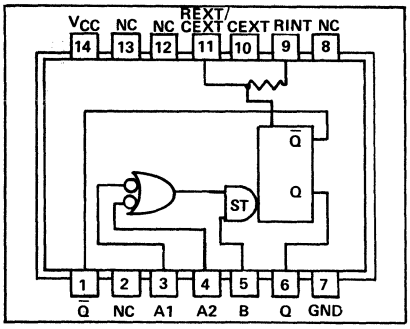
J04-44



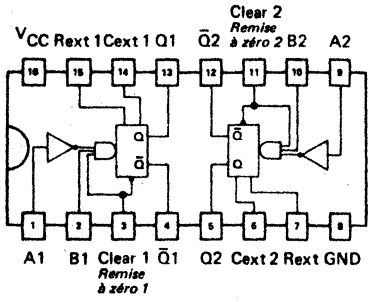
J04-45



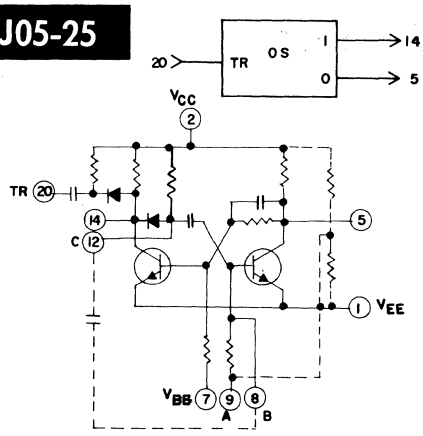
J04-47



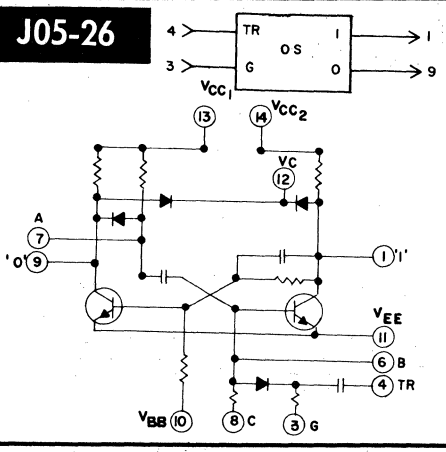
J04-48



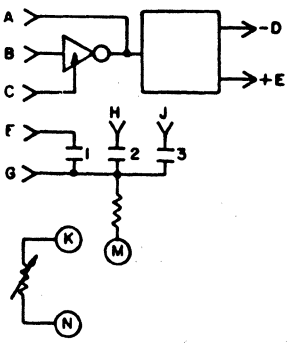
J05-25



J05-26

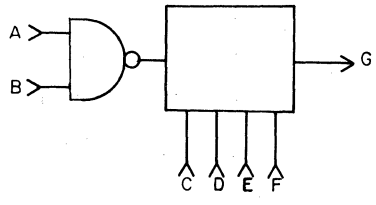


J05-29



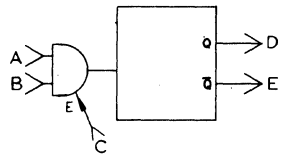
	A	B	C	D	E	F	G	H	J	K	M	N
J05-29a	R	T	N	D	E	J and H		K	L	V	U	S	P

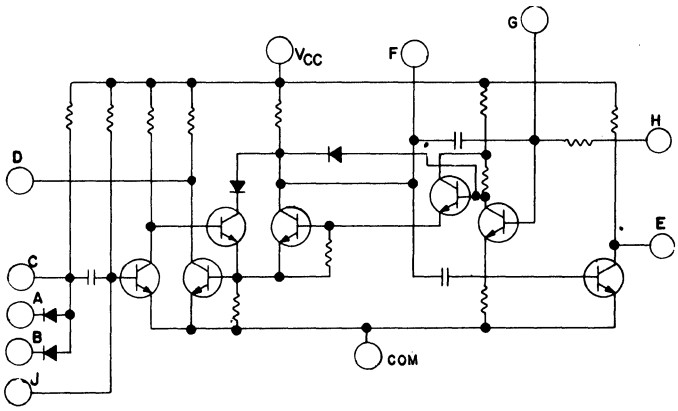
J05-33



CKT NO	A	B	C	D	E	F	G
1	E	F	H	J	K	L	M
2	N	P	R	S	T	U	V

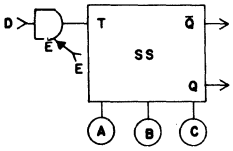
J05-45

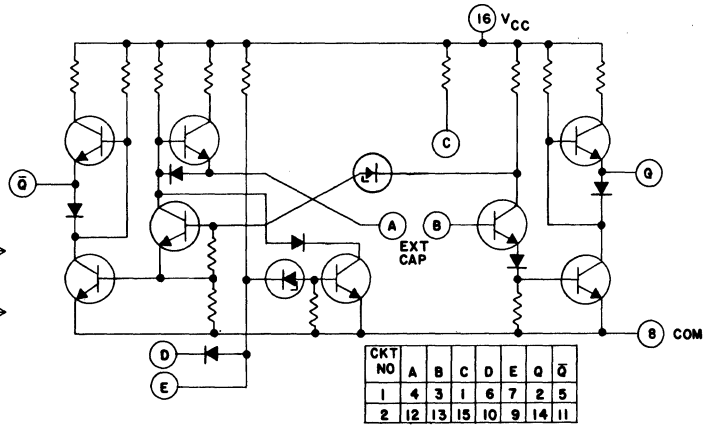




	CKT NO.	A	B	C	D	E	F	G	H	J	VCC	COM	PKG.
J05-45	1	3	4	2	1	6	11	10	9	5	14	7	MP FP
J05-45A	1	9		8	7	10	4	3	2		6	1	CN

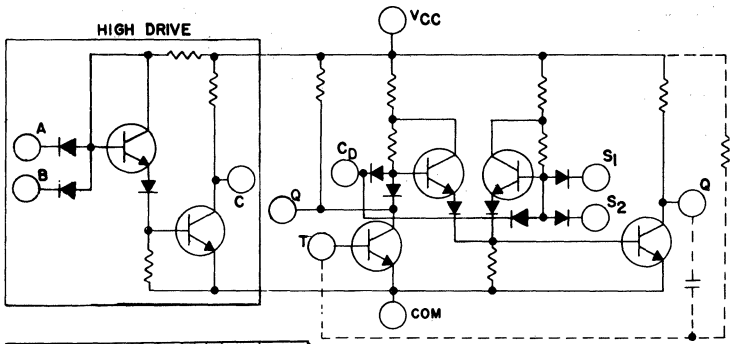
J05-49





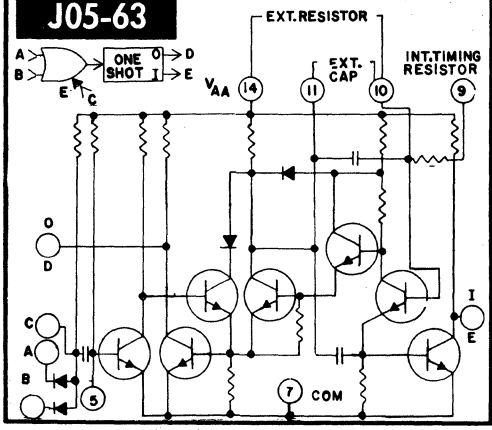
CKT NO	A	B	C	D	E	Q	Q̄
1	4	3	1	6	7	2	5
2	12	13	15	10	9	14	11

J05-50

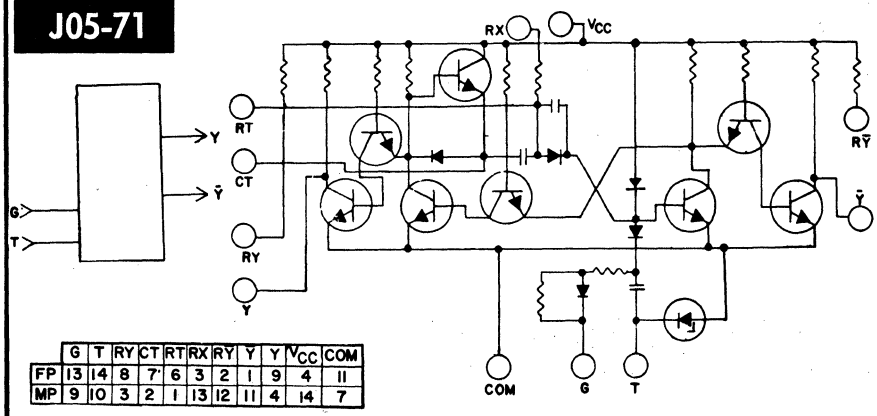


	A	B	C	S1	S2	CD	Q	Q̄	VCC	COM
FP	2	3	4	11	10	12	13	9	14	7
CN	1	2	3	9	8	10	11	7	12	6
J0550A	1	2	3	7		8	9	6	10	5

J05-63

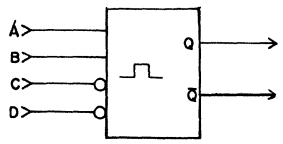


J05-71



	G	T	RY	CT	RT	RX	RY	Y	VCC	COM
FP	13	14	8	7	6	3	2	1	9	4	11
MP	9	10	3	2	1	13	12	11	4	14	7

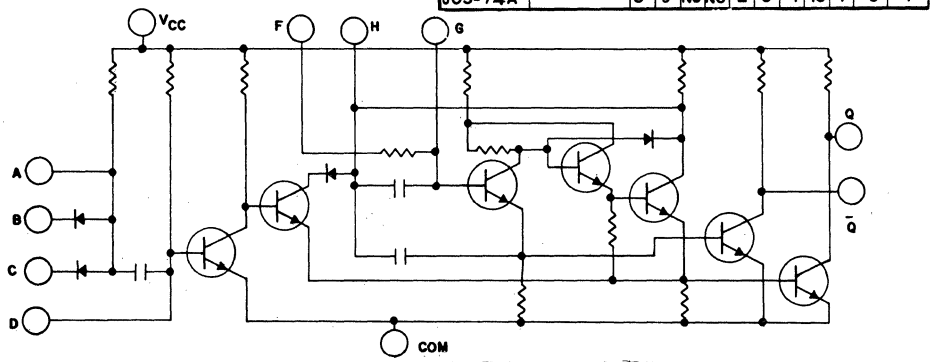
J05-72



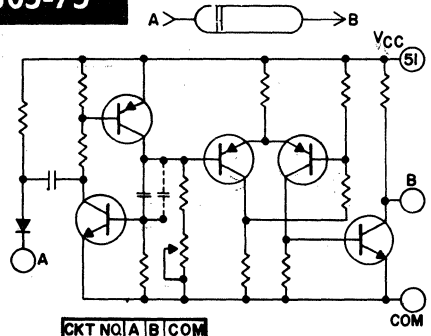
CKT. NO.	A	B	C	D	Q	$\bar{Q}$
1	9	10	7	8	4	11
2	14	13	15	16	19	12

J05-74

	PKG. STYLE	A	B	C	D	F	G	H	Q	$\bar{Q}$	VCC	COM
J05-74	MP & FP	2	3	4	5	9	10	11	6	1	14	7
	CN	2	3	4	NC	7	8	9	5	1	12	6
J05-74A		8	9	NC	NC	2	3	4	10	7	6	1

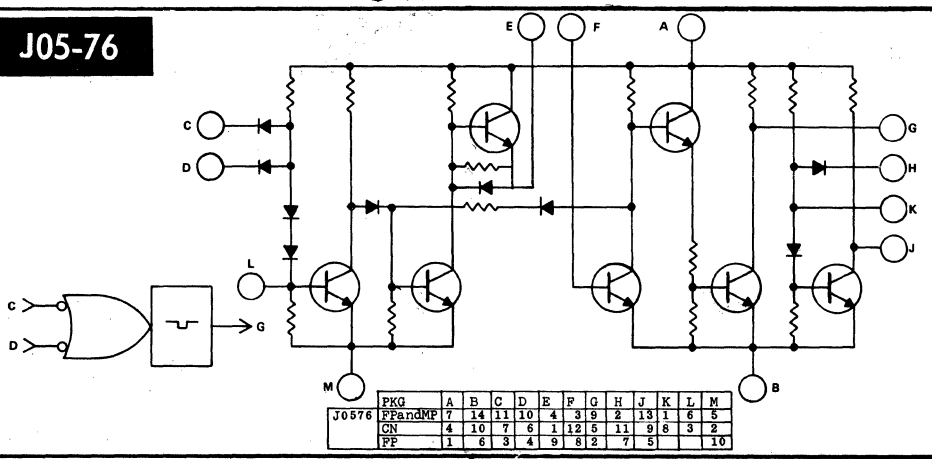


J05-75



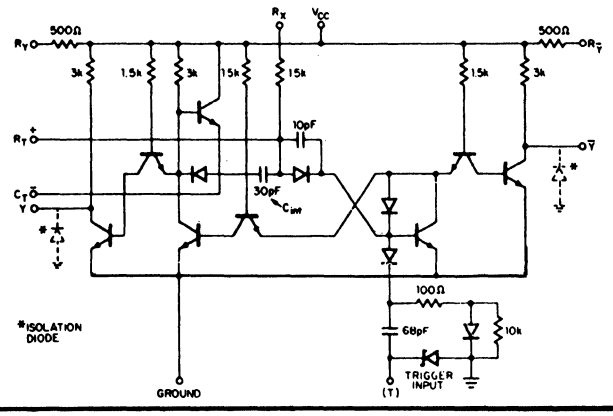
CKT NO.	A	B	COM
1	35	41	1
2	19	13	52

J05-76

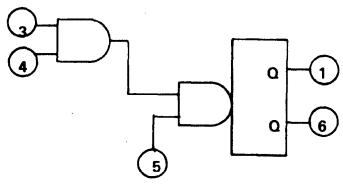


	PKG	A	B	C	D	E	F	G	H	J	K	L	M
J0576	PFandMP	7	14	11	10	4	3	9	2	13	1	6	5
	CN	4	10	7	6	1	12	5	11	9	8	3	2
	PP	1	6	3	4	9	8	2	7	5			10

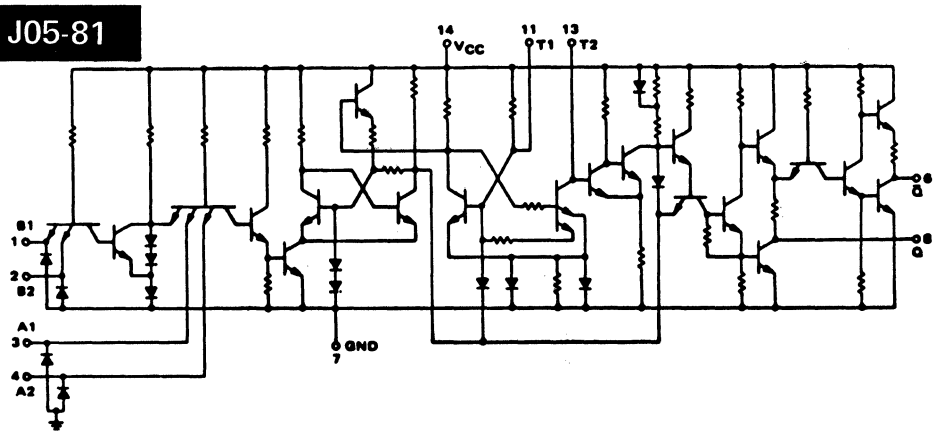
J05-79



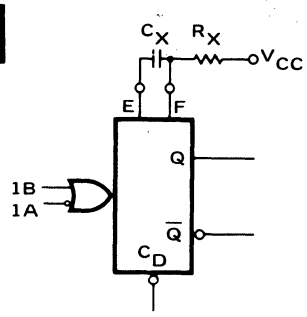
J05-80



J05-81

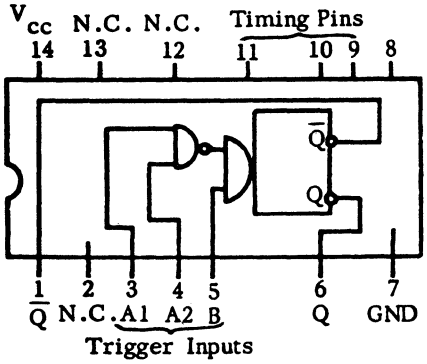


J05-82

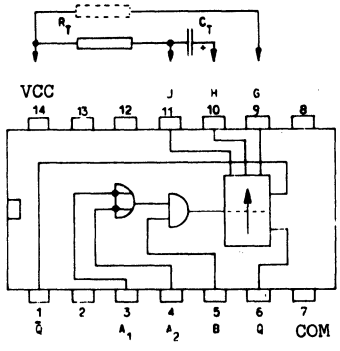


	CKT	1A	1B	Q	Q̄	CD	E	F	VCC	GND
J05-82	1	5	4	6	7	3	1	2	16	8
	2	11	12	10	9	13	15	14		
J05-82a	1	1	2	13	4	3	14	15		
	2	9	10	5	12	11	6	7		

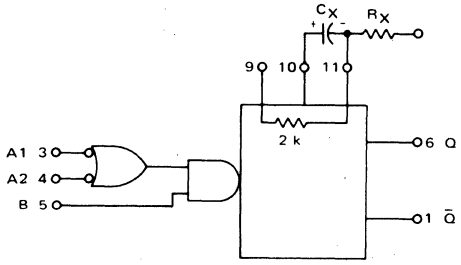
J05-83



J05-84

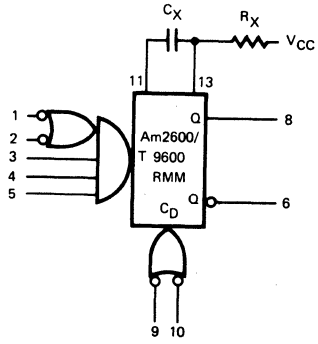


J05-85

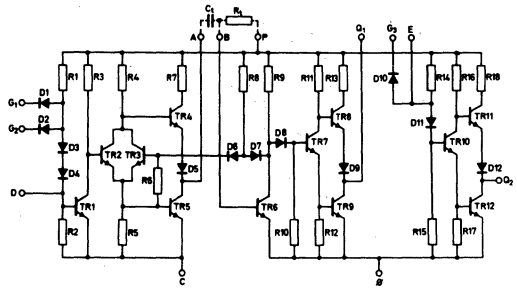


VCC Pin 14
GND Pin 7

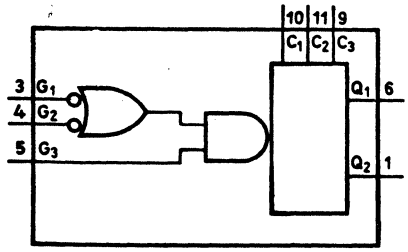
J05-86



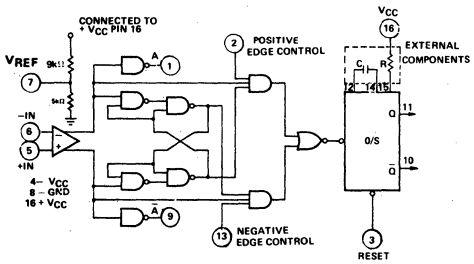
J05-87



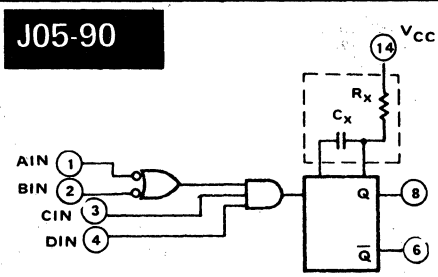
J05-88



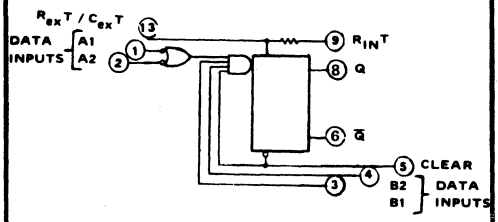
J05-89



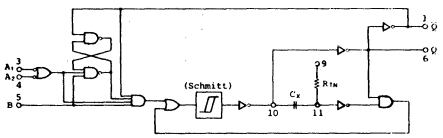
J05-90



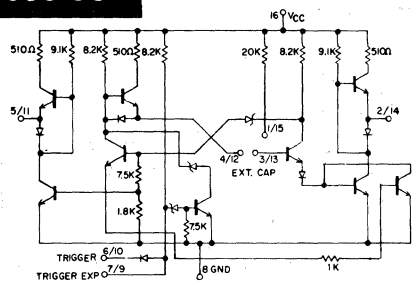
J05-91



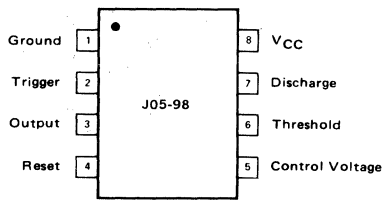
J05-92

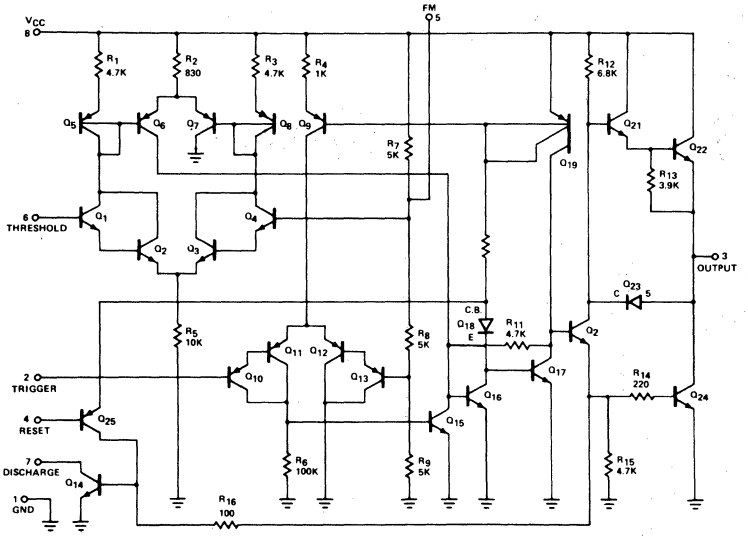


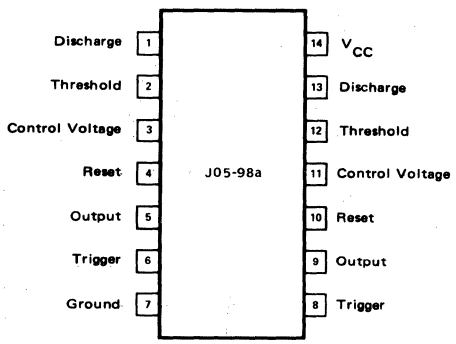
J05-96



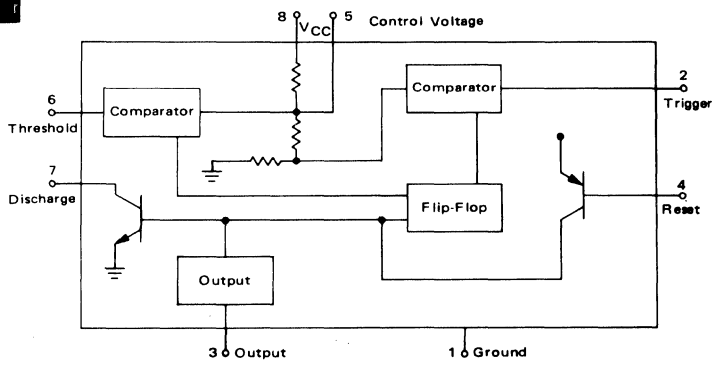
J05-98



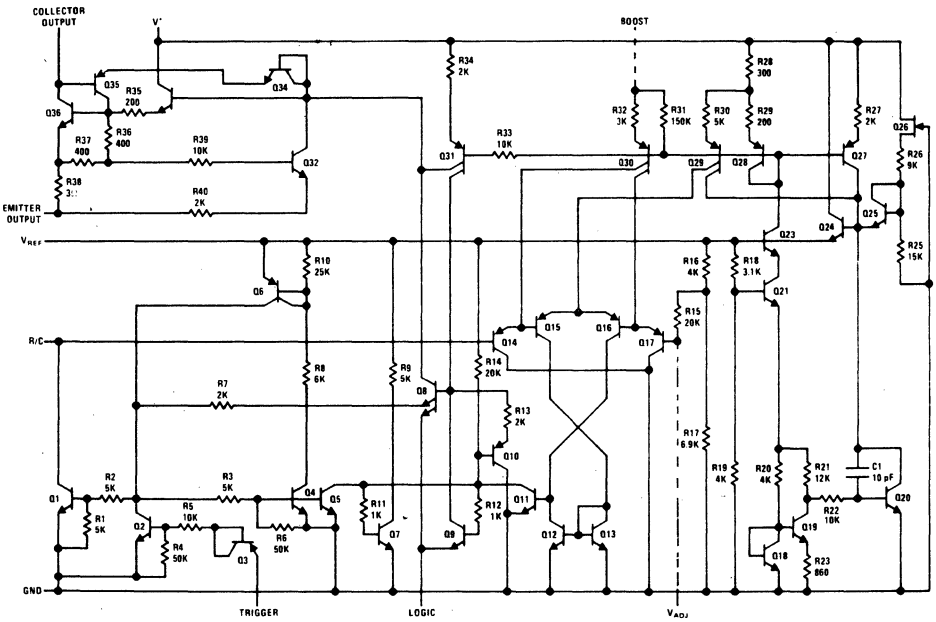




J05-99



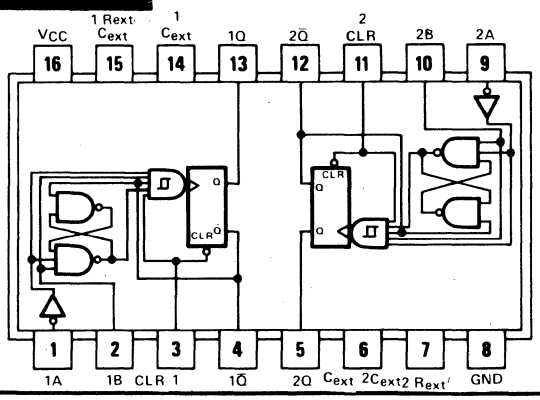
J05-100



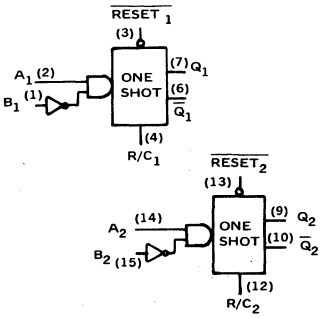
DOTTED PORTIONS
OMITTED ON J05-100a

	PKG	COLL OUTP	EM OUTP	R/C	BOOST	TRIG	LOGIC	VREF	VADJ	V+	GND
J05-100	CN, FF	9	10	4	8	2	1	3	6	7	5
	M	12	1	5	11	3	2	4	7	10	6
J05-100a	M	6	7	3		1	8	2		5	4

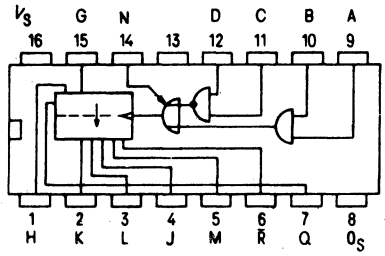
J05-101



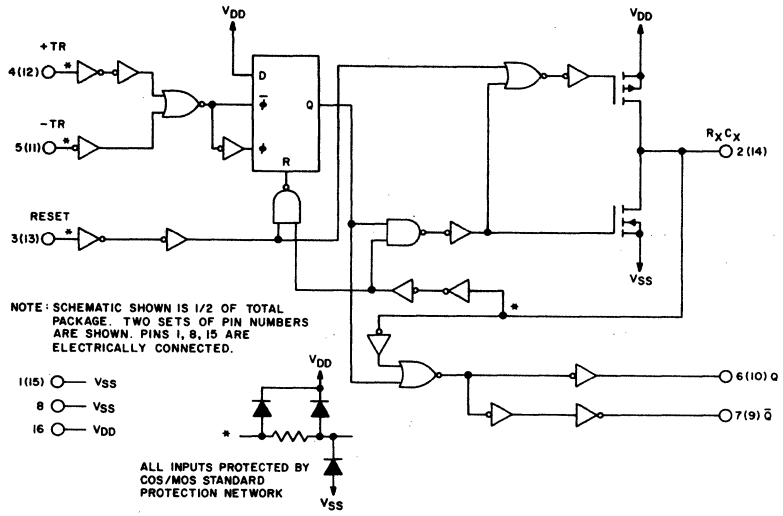
J05-102



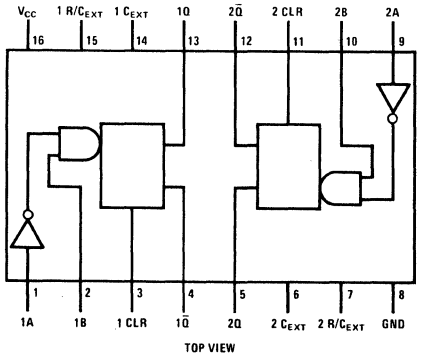
J05-103



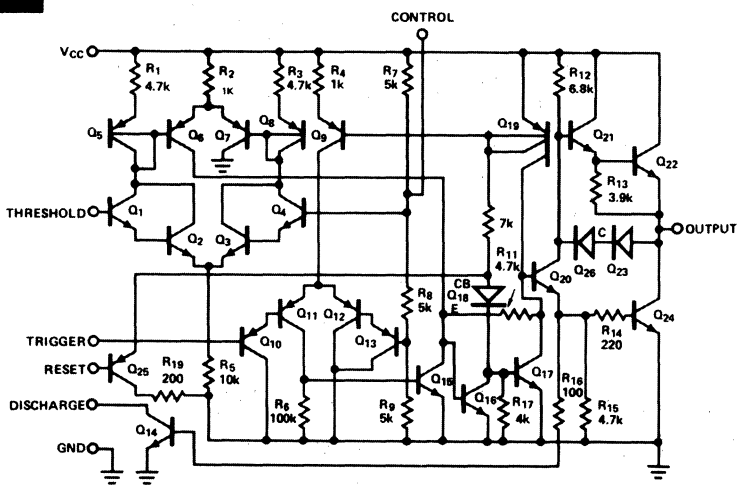
J05-104

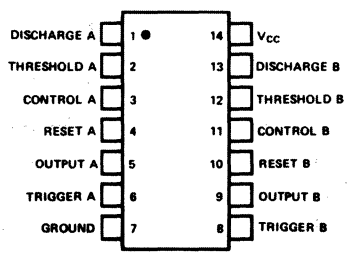


J05-105

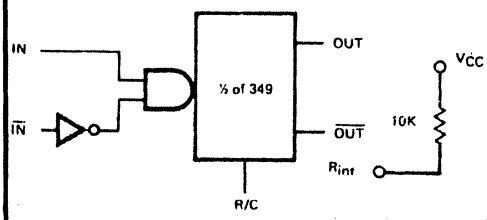


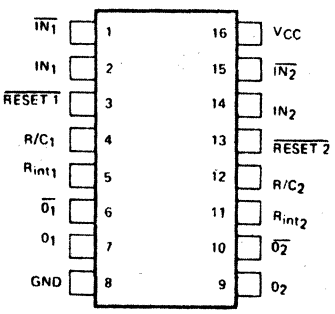
J05-106



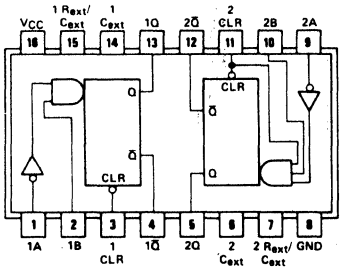


J05-107

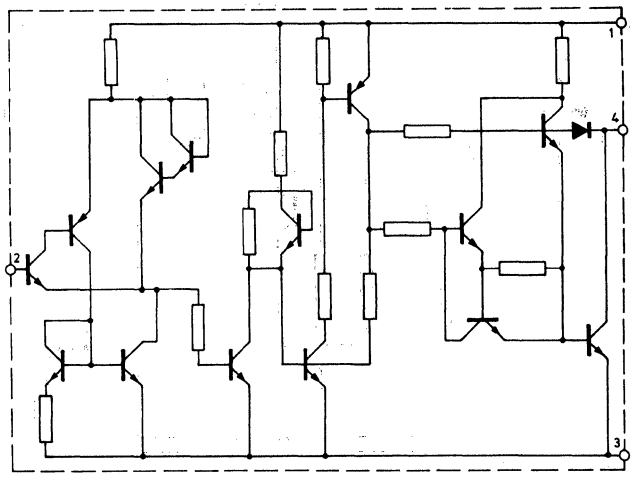




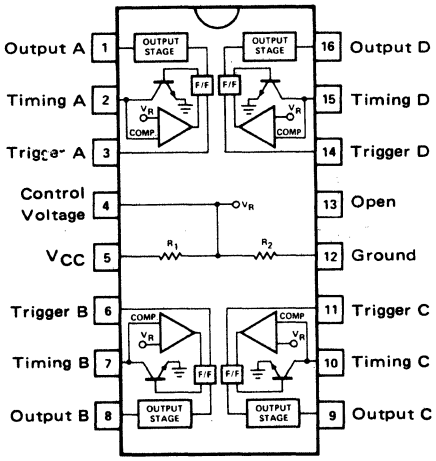
J05-108



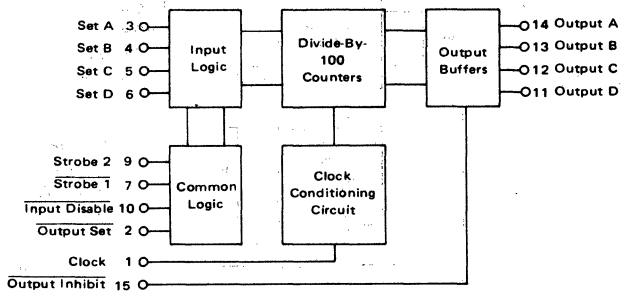
J05-109



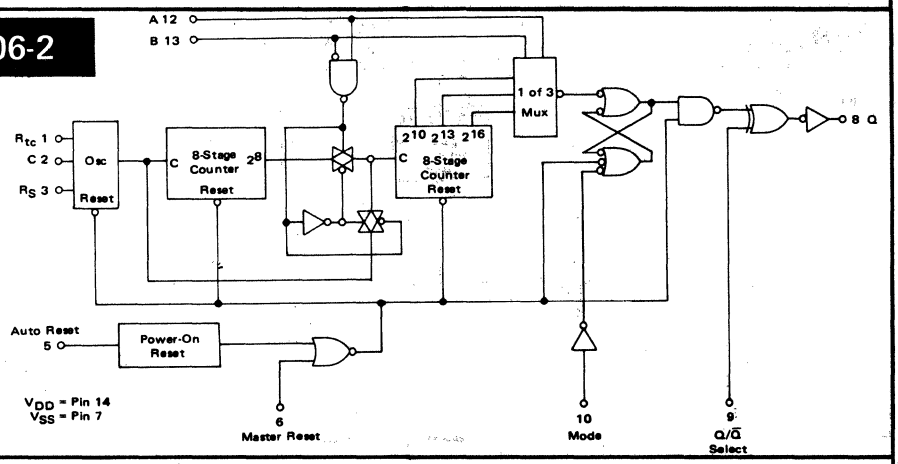
J05-110



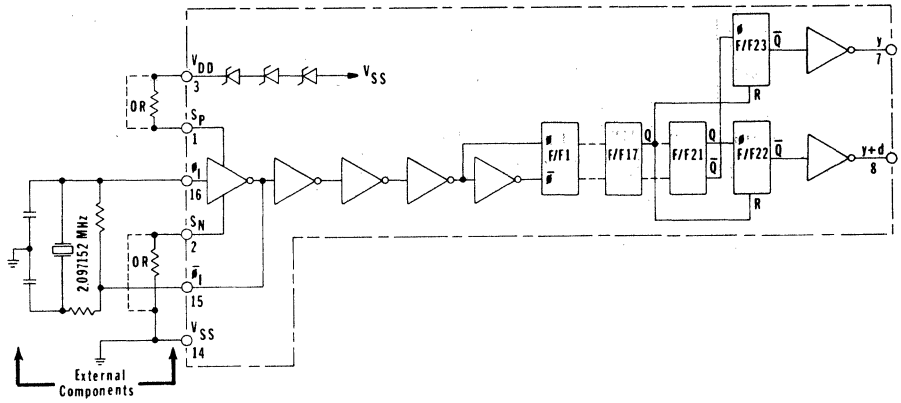
J06-1



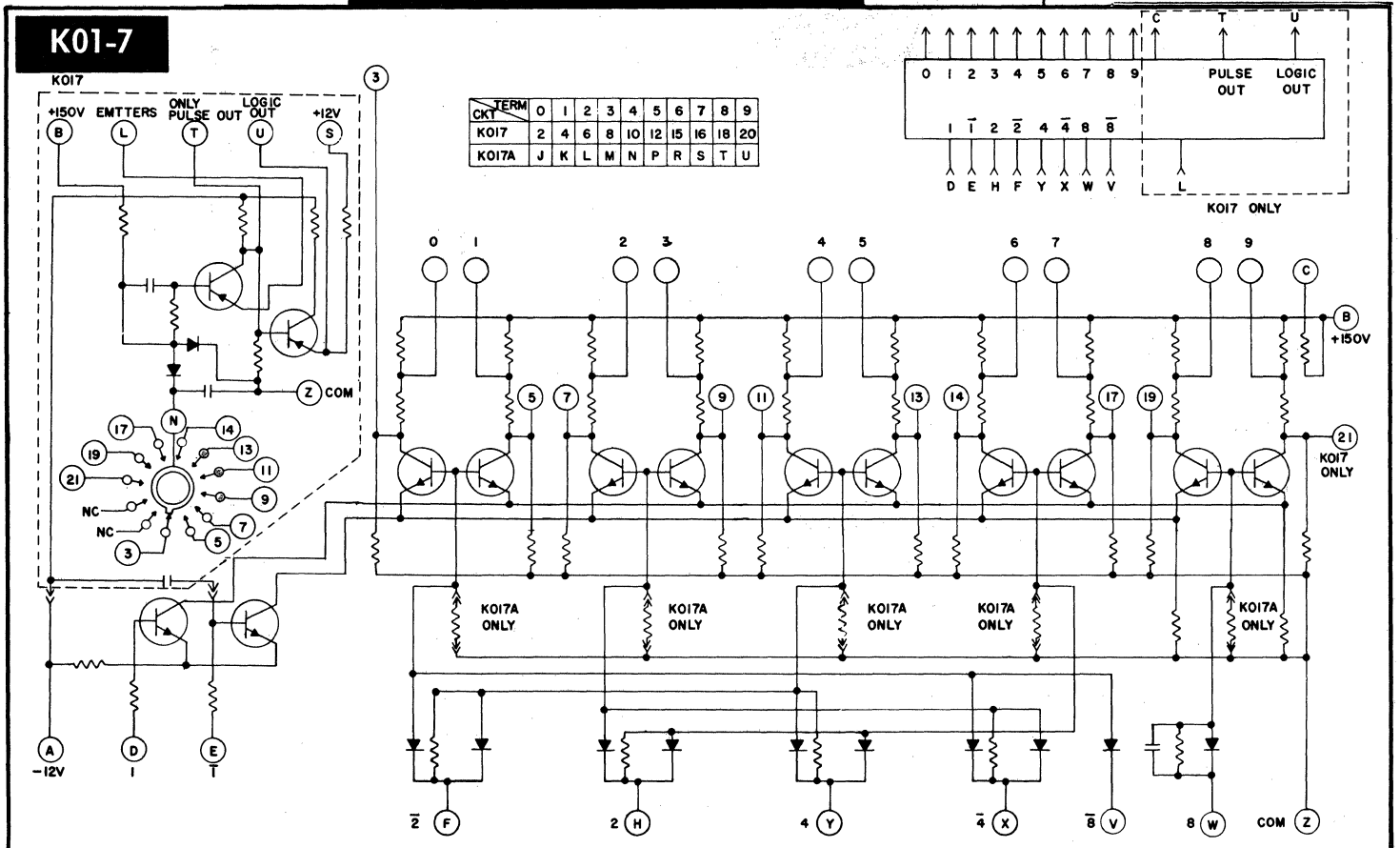
J06-2



J06-3

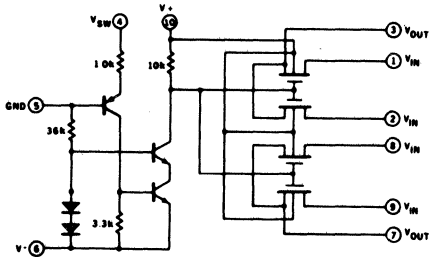


K01-7

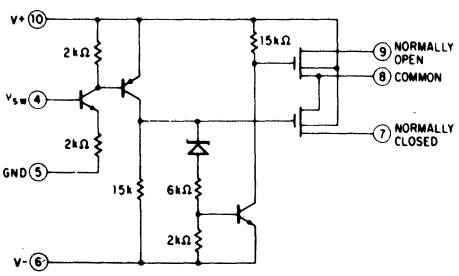


TERM / CKT	0	I	2	3	4	5	6	7	8	9
K017	2	4	6	8	10	12	15	16	18	20
K017A	J	K	L	M	N	P	R	S	T	U

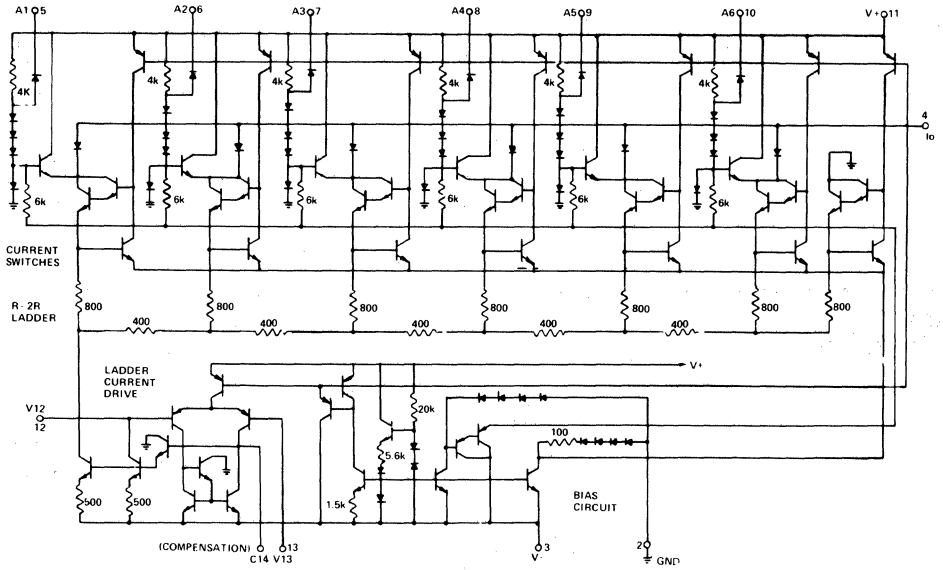
K01-13



K01-14



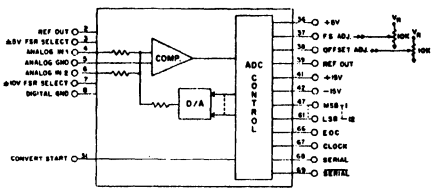
K01-20



SECTION 12. LOGIC DRAWING

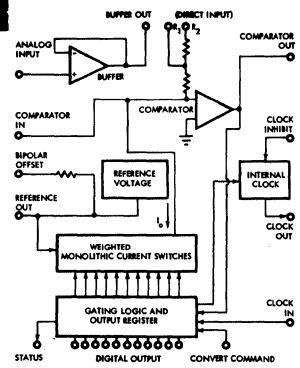
IN DRAWING NUMBER SEQUENCE

K01-22



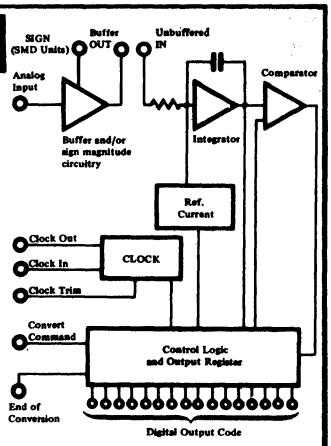
PIN 68 FOR K01-22a ONLY

K01-23

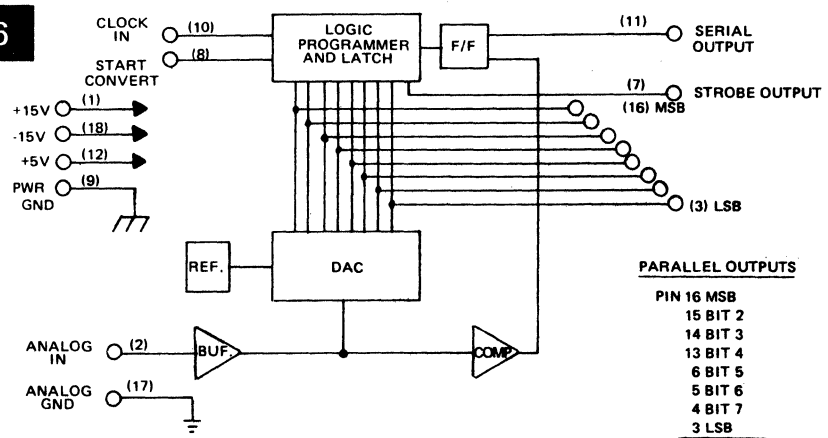


Block Diagram of Series 40 and Series 50 A/D Converters.

K01-24



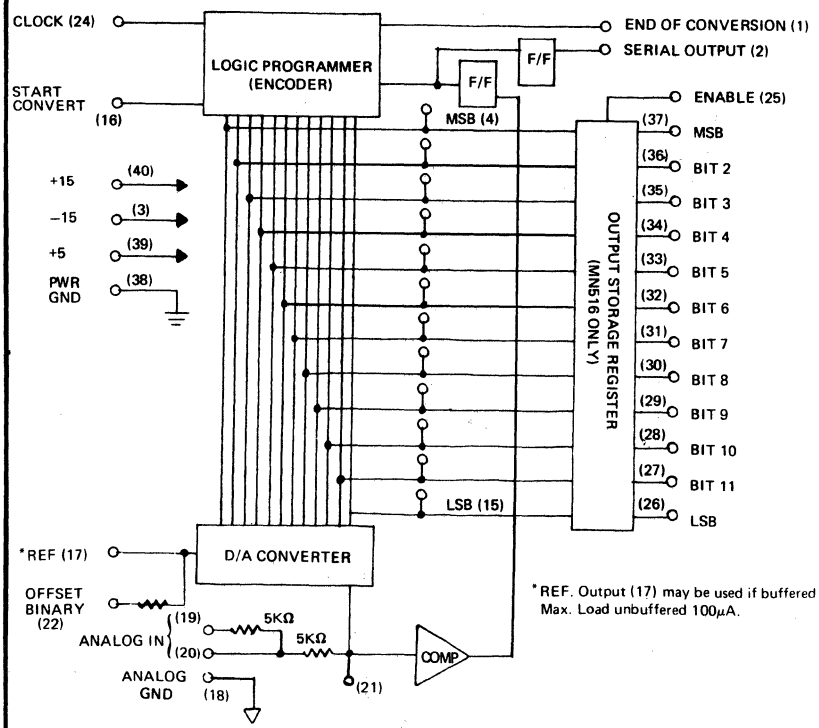
K01-26



PARALLEL OUTPUTS

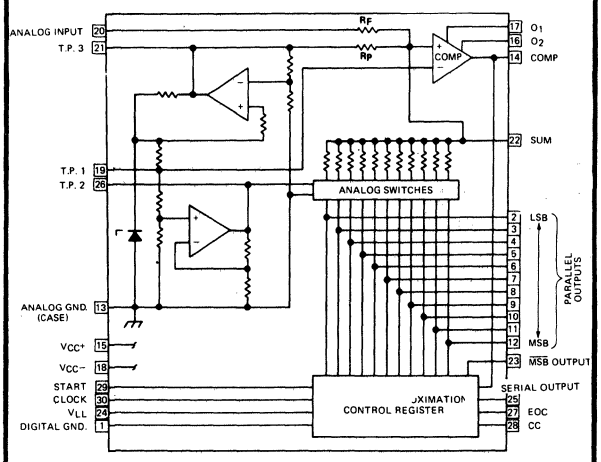
PIN 16 MSB
15 BIT 2
14 BIT 3
13 BIT 4
6 BIT 5
5 BIT 6
4 BIT 7
3 LSB

K01-27

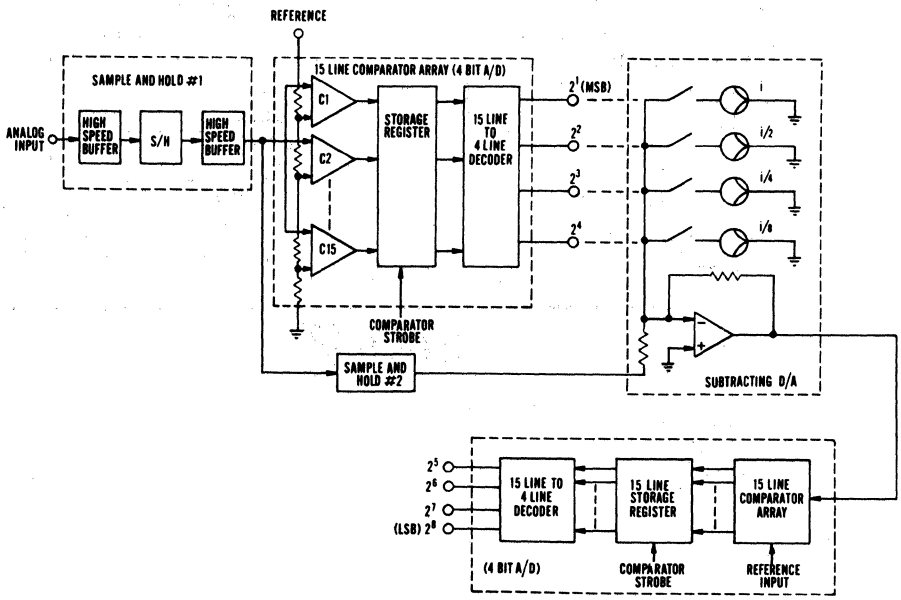


*REF. Output (17) may be used if buffered Max. Load unbuffered 100μA.

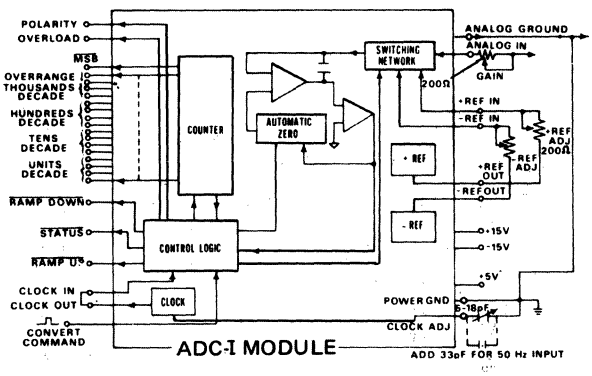
K01-28



K01-29



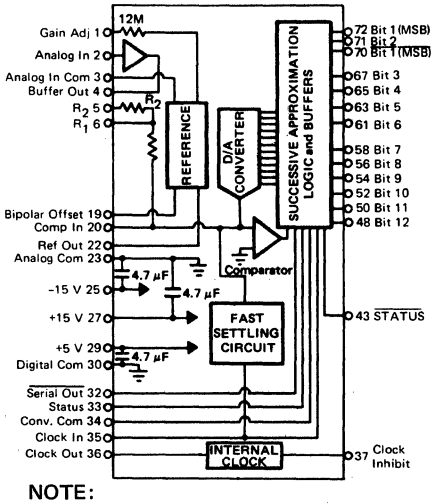
K01-31



Analog Input	1	A	Analog Ground
Analog Ground	2	B	Analog Ground
+Ref In	3	C	+Ref Out
-Ref In	4	D	-Ref Out
Power Ground	5	E	Power Ground
Polarity	6	F	MSB Bit 1
Overload	7	H	Bit 2
MSB Bit 1	8	J	Bit 3
N.C.	9	K	Bit 4 } (N.C.)
N.C.	10	L	Bit 5 }
N.C.	11	M	Bit 6 (Bit 3)
Ramp Down	12	N	Bit 7 (Bit 4)
Status	13	P	Bit 8 (Bit 5)
Ramp Up	14	R	Bit 9 (Bit 6)
Clock In	15	S	Bit 10 (Bit 7)
Clock Out	16	T	Bit 11 (Bit 8)
Convert Command	17	U	Bit 12 (Bit 9)
N.C.	18	V	Bit 13 (Bit 10)
+15V	19	W	Bit 14 (Bit 11)
-15V	20	X	Bit 15 (Bit 12)
N.C.	21	Y	Bit 16 (Bit 13)
+5V	22	Z	LSB Bit 17 (Bit 14)

NOTE: CHANGES FOR K01-31a SHOWN IN PARENTHESIS.

K01-32

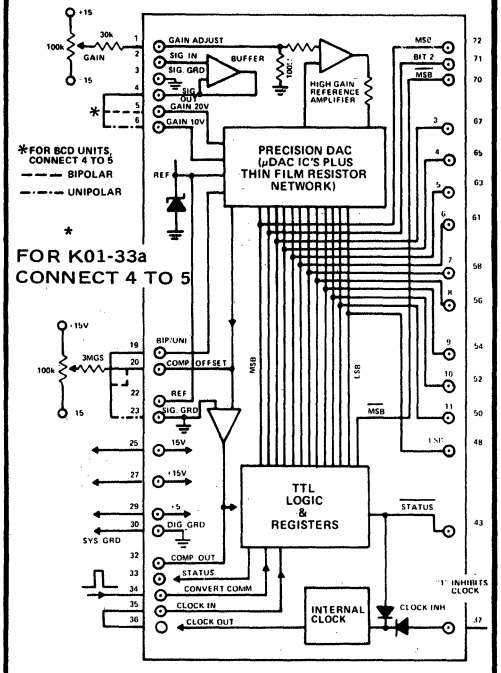


NOTE:

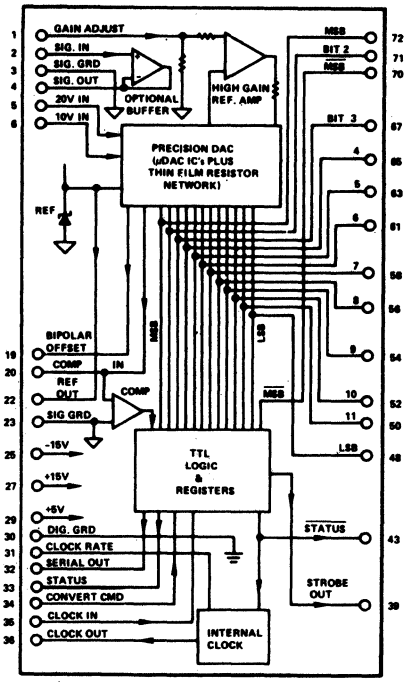
IN K01-32a, BIT 8 IS THE LSB, AND THERE ARE NO CONNECTIONS TO PINS 48, 50, 52 AND 54.

IN K01-32b, BIT 10 IS THE LSB, AND THERE ARE NO CONNECTIONS TO PINS 48 AND 50.

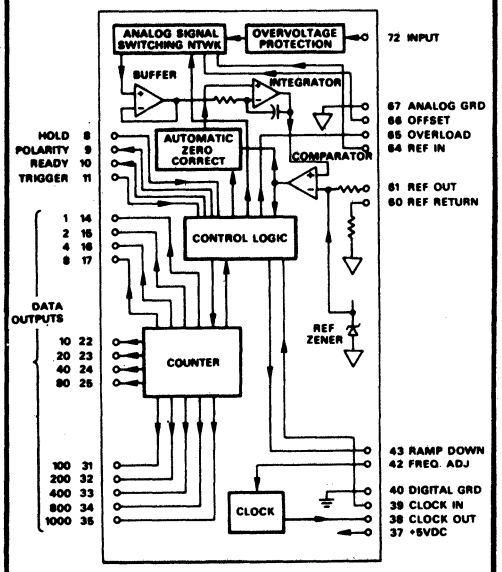
K01-33



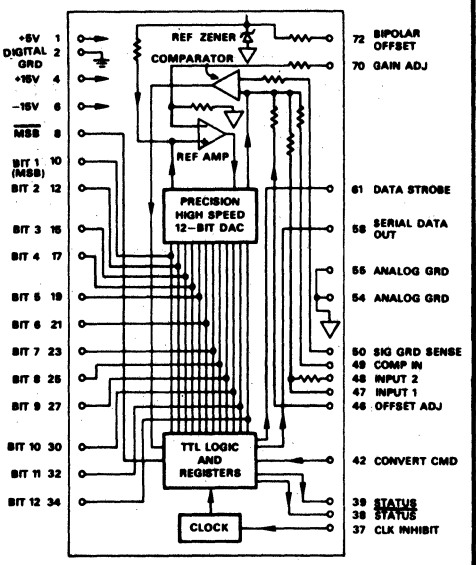
K01-34



K01-36



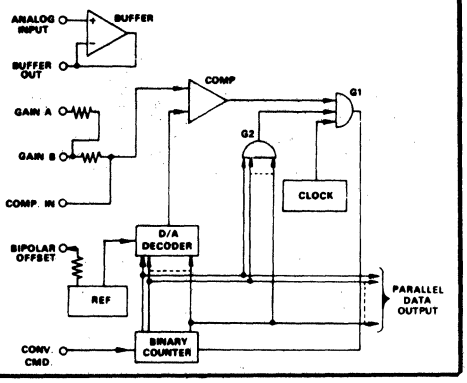
K01-37

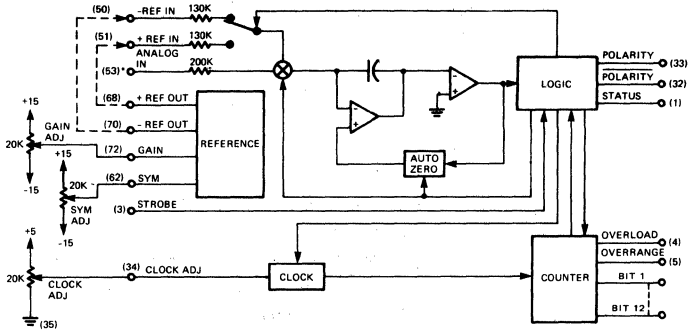


NOTE:
K01-37 DOES NOT HAVE A SERIAL OUTPUT, AND THEREFORE PINS 58 AND 61 ARE DELETED FROM IT.

K01-37a DOES NOT CONTAIN PINS 32 AND 34. K01-37b DOES NOT CONTAIN PINS 27, 30, 32, AND 34.

K01-38

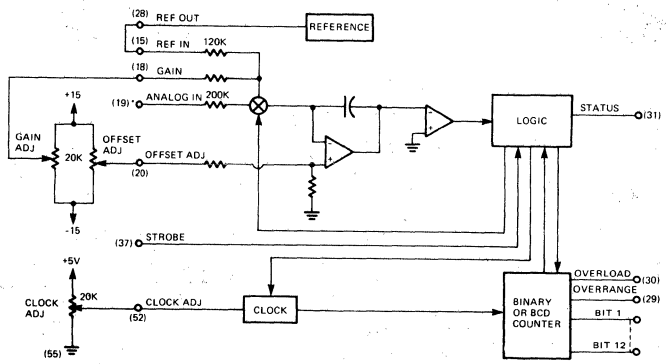




K01-40

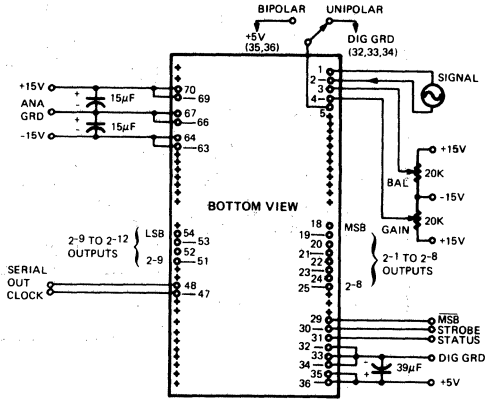
PIN	FUNCTION
1	STATUS
3	STROBE
4	OVERLOAD
5	OVERRANGE
9	BIT 1 (MSB)
11	BIT 2
13	BIT 3
15	BIT 4
17	BIT 5
18	BIT 6
20	BIT 7
22	BIT 8
24	BIT 9
26	BIT 10
28	BIT 11
30	BIT 12 (LSB)
32	POLARITY
33	POLARITY
34	CLOCK ADJ
35	LOGIC GRD
36	+5V
37	N/C
50	-REF IN
51	+REF IN
53	ANALOG IN
55	ANALOG GRD
56	+15V
58	-15V
62	SYMMETRY ADJ
68	+REF OUT
70	-REF OUT
72	GAIN ADJ

K01-41



PIN	FUNCTION
1	-15VDC
2	ANALOG GRD
3	ANALOG GRD
4	+15VDC
15	REF IN
18	GAIN ADJ
19	ANALOG IN
20	OFFSET ADJ
28	REF OUT
29	OVERRANGE
30	OVERLOAD
31	STATUS
32	BIT 1
33	BIT 2
34	BIT 3
35	BIT 4
37	STROBE
39	BIT 5
40	BIT 6
41	BIT 7
42	BIT 8
48	BIT 9
49	BIT 10
50	BIT 11
51	BIT 12
52	CLOCK ADJ
55	LOGIC GRD
56	+5VDC

K01-42

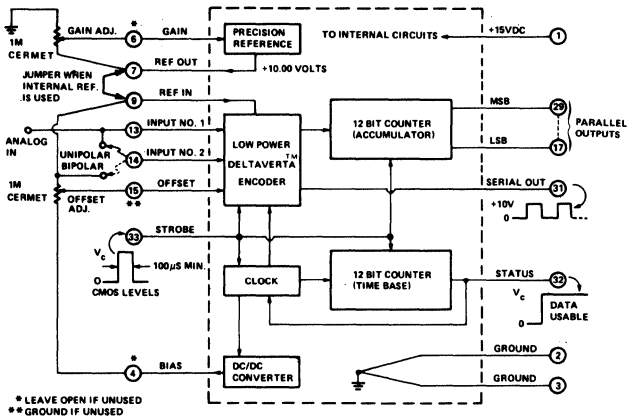


PIN	FUNCTION
1	ANALOG GRD.
2	ANALOG IN
3	BALANCE
4	GAIN ADJ.
5	SIGN BIT CONTROL
18	2^{-1} MSB
19	2^{-2}
20	2^{-3}
21	2^{-4}
22	2^{-5}
23	2^{-6}
24	2^{-7}
25	2^{-8}
29	$\overline{MSB}$
30	STROBE
31	STATUS
32	DIG GRD
33	DIG GRD
34	DIG GRD
35	+5V
36	+5V
47	CLOCK
48	SERIAL OUT
51	2^{-9}
52	2^{-10}
53	2^{-11}
54	2^{-12} LSB
63	-15V
64	-15V
66	ANALOG GRD
67	ANALOG GRD
69	+15V
70	+15V

SECTION 12. LOGIC DRAWING

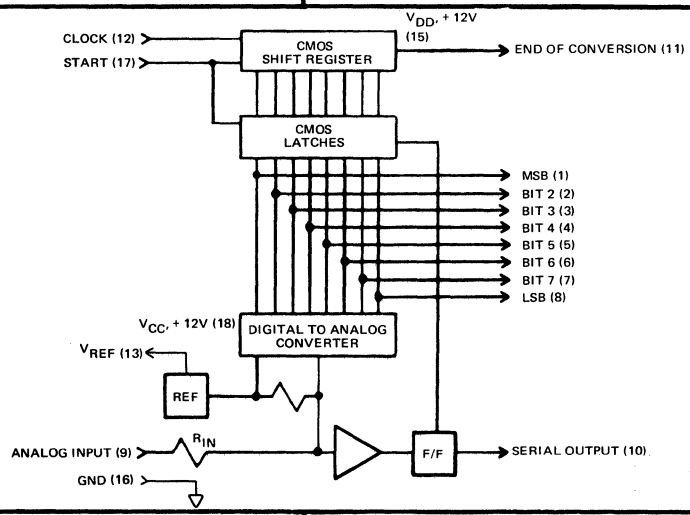
IN DRAWING NUMBER SEQUENCE

K01-43

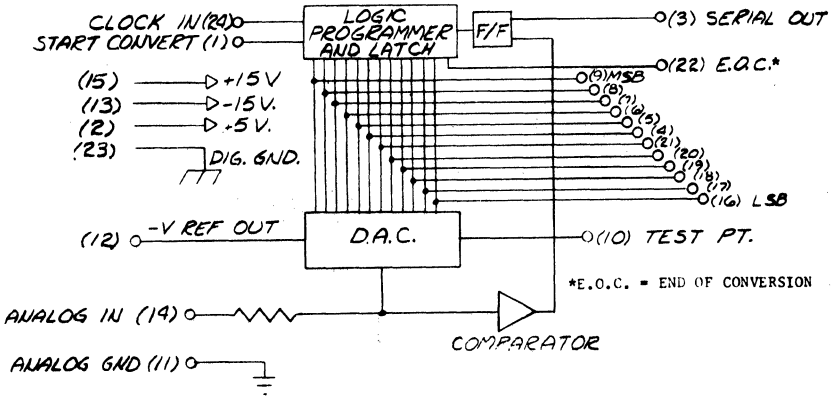


PIN	FUNCTION
1	+15V
2	GRD
3	GRD
4	BIAS
6	GAIN
7	REF OUT
9	REF IN
13	INPUT 1
14	INPUT 2
15	OFFSET
17	2-12
18	2-11
19	2-10
20	2-9
21	2-8
22	2-7
23	2-6
24	2-5
26	2-4
27	2-3
28	2-2
29	2-1
31	SERIAL OUTPUT
32	STATUS
33	STROBE

K01-44

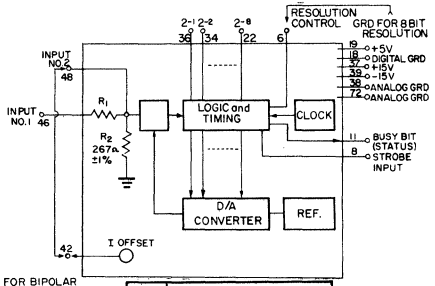


K01-45



K01-46

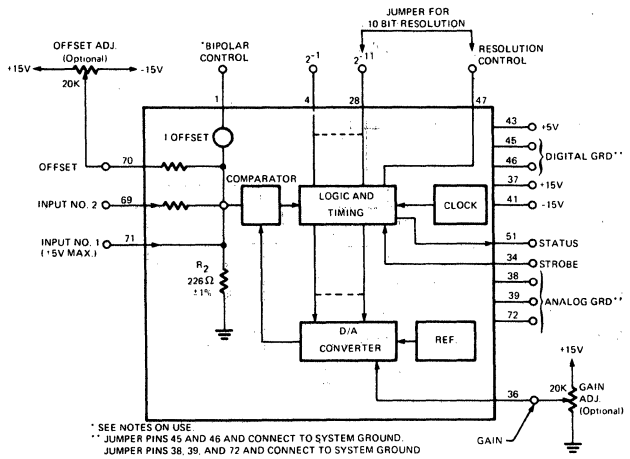
NOTE: ALWAYS CONNECT DIGITAL GRD (18) TO ANALOG GRD (38); JUMPER PINS 38 AND 72 TOGETHER.



PIN NO.	FUNCTION
6	RESOLUTION CONTROL
8	STROBE
11	STATUS
18	DIGITAL GRD
19	+5VDC
22	2-8
24	2-7
26	2-6
28	2-5
30	2-4
32	2-3
34	2-2
36	2-1
37	+15VDC
38	ANALOG GRD
39	-15VDC
42	BIPOLAR
46	ANALOG IN NO.1
47	NO CONNECTION
48	ANALOG IN NO.2
72	ANALOG GRD

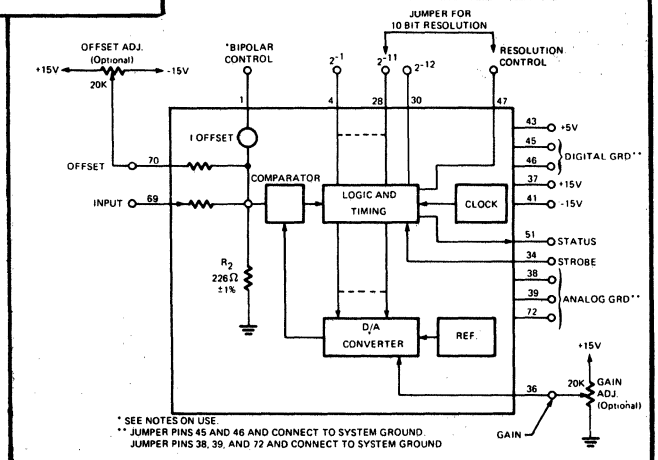
K01-47

PIN	FUNCTION
1	BIPOLAR
4	BIT 1 (2^{-1})
7	BIT 2 (2^{-2})
10	BIT 3 (2^{-3})
13	BIT 4 (2^{-4})
16	BIT 5 (2^{-5})
18	BIT 6 (2^{-6})
20	BIT 7 (2^{-7})
22	BIT 8 (2^{-8})
24	BIT 9 (2^{-9})
26	BIT 10 (2^{-10})
28	BIT 11 (2^{-11})
30	BIT 12 (2^{-12})
34	STROBE
36	GAIN
37	+15 VDC
38	ANALOG GRD
39	ANALOG GRD
41	-15 VDC
43	+5 VDC
45	DIGITAL GRD
46	DIGITAL GRD
47	RESOLUTION CONTROL
51	STATUS
69	INPUT NO. 2
70	OFFSET
71	INPUT NO. 1
72	ANALOG GRD

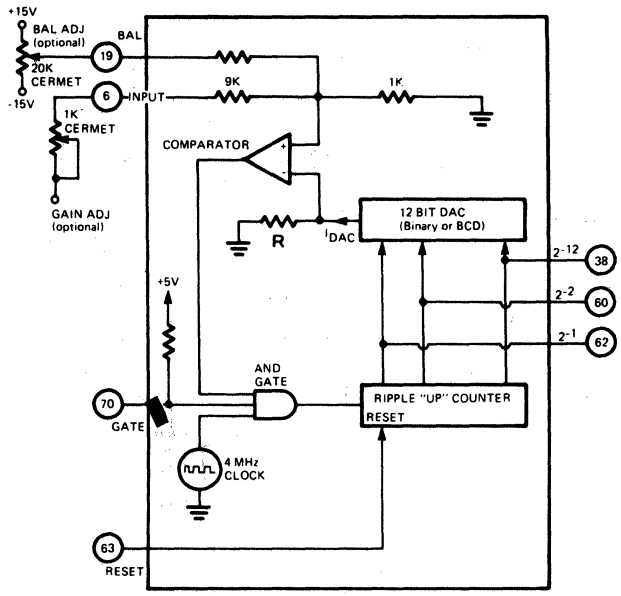


K01-48

PIN	FUNCTION
1	BIPOLAR
4	BIT 1 (2^{-1})
7	BIT 2 (2^{-2})
10	BIT 3 (2^{-3})
13	BIT 4 (2^{-4})
16	BIT 5 (2^{-5})
18	BIT 6 (2^{-6})
20	BIT 7 (2^{-7})
22	BIT 8 (2^{-8})
24	BIT 9 (2^{-9})
26	BIT 10 (2^{-10})
28	BIT 11 (2^{-11})
30	BIT 12 (2^{-12})
34	STROBE
36	GAIN
37	+15 VDC
38	ANALOG GRD
39	ANALOG GRD
41	-15 VDC
43	+5 VDC
45	LOGIC GRD
46	LOGIC GRD
47	RESOLUTION CONTROL
51	STATUS
69	INPUT
70	OFFSET
72	ANALOG GRD



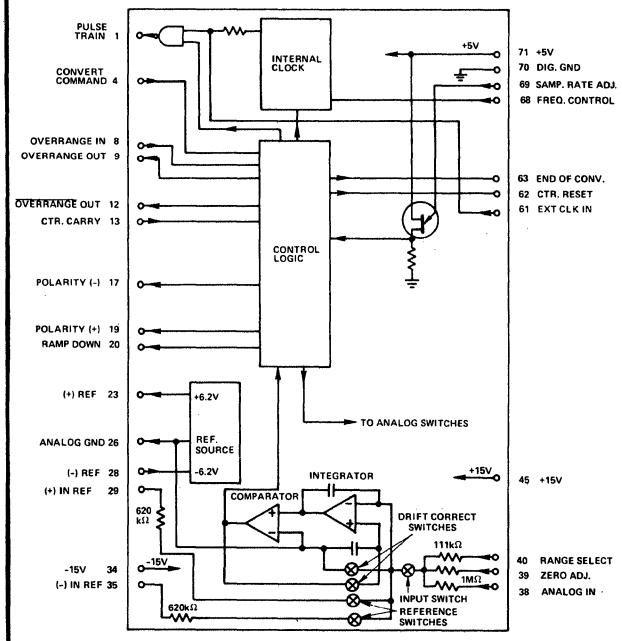
K01-49



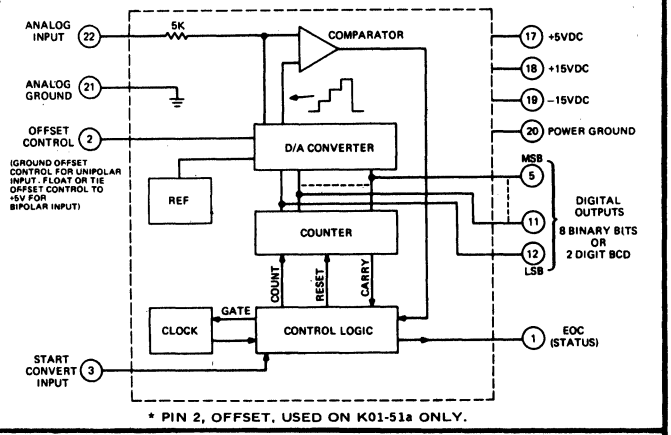
SECTION 12. LOGIC DRAWING

IN DRAWING NUMBER SEQUENCE

K01-50

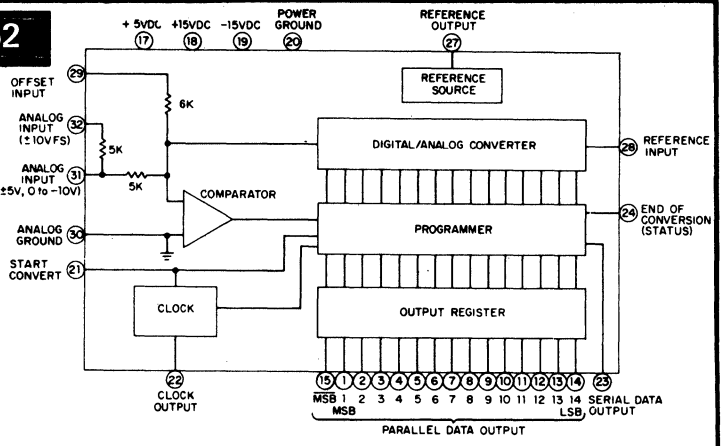


K01-51

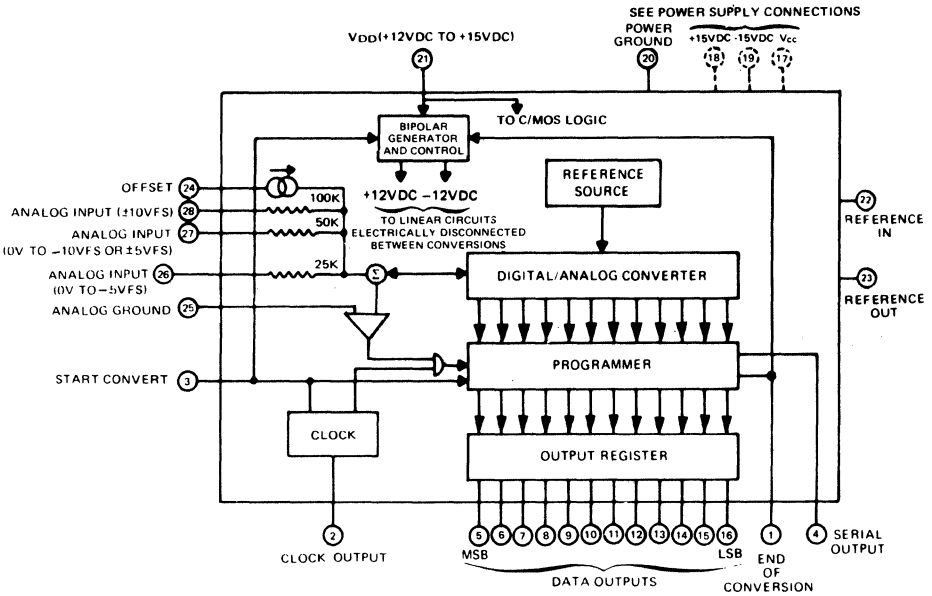


* PIN 2, OFFSET, USED ON K01-51a ONLY.

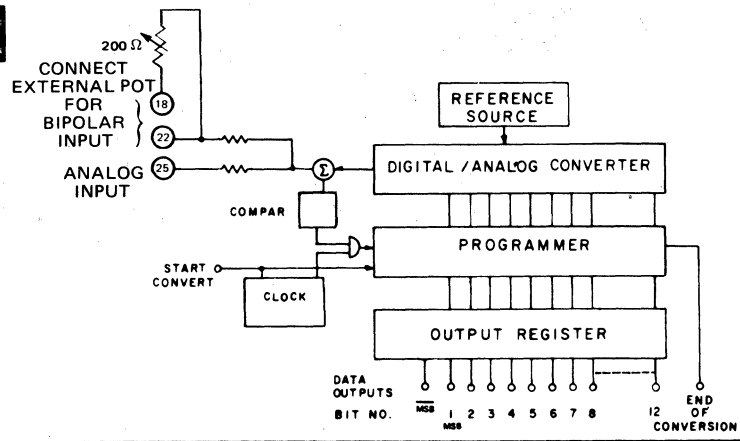
K01-52



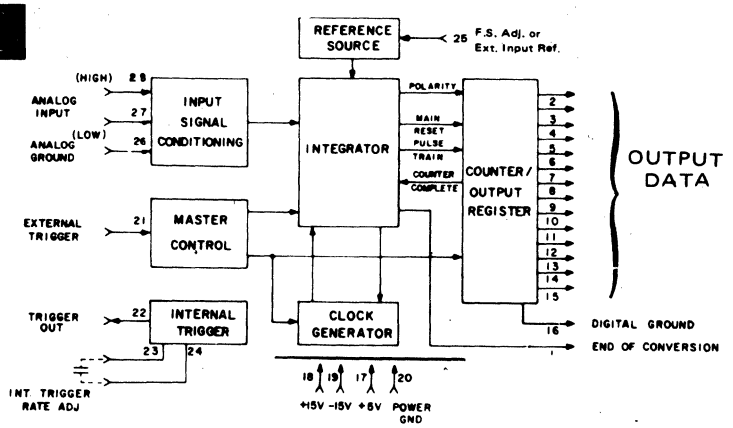
K01-53



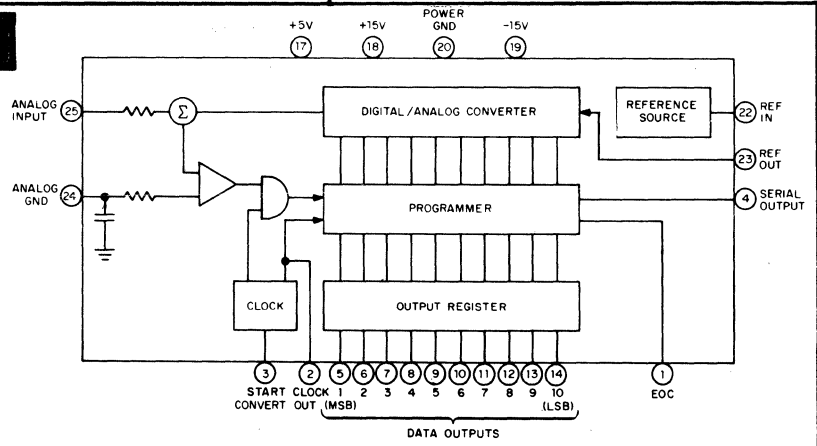
K01-54



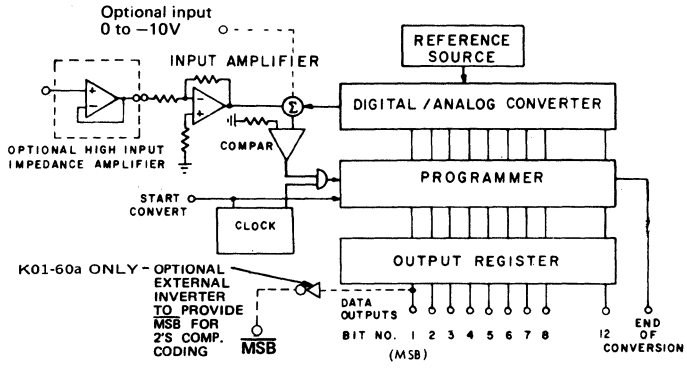
K01-55



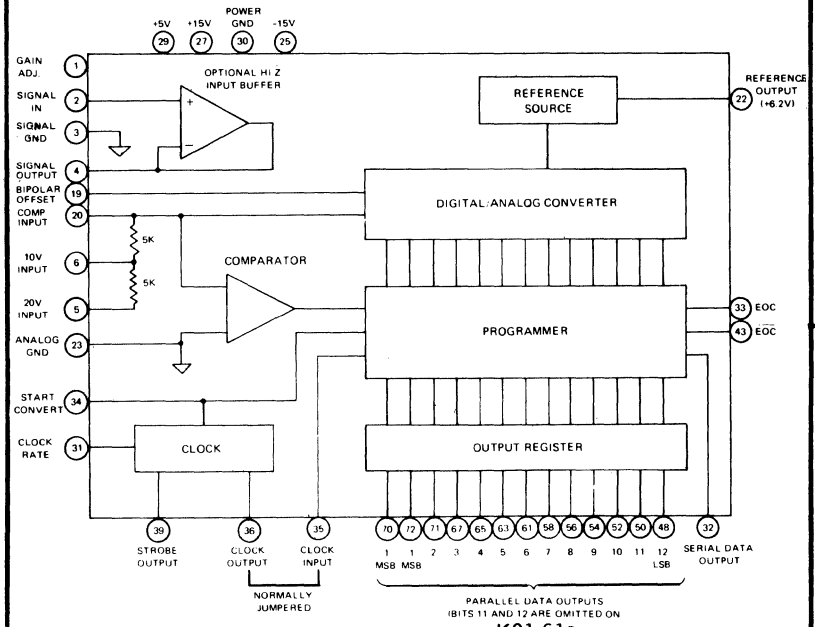
K01-59



K01-60

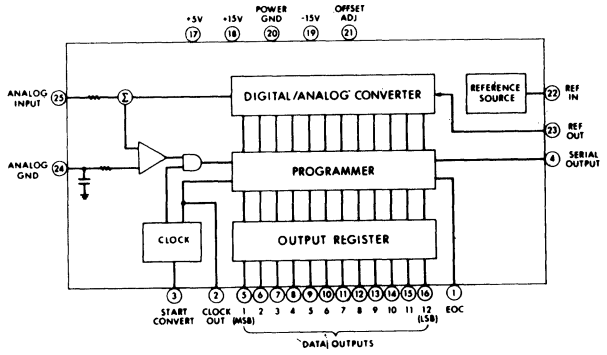


K01-61

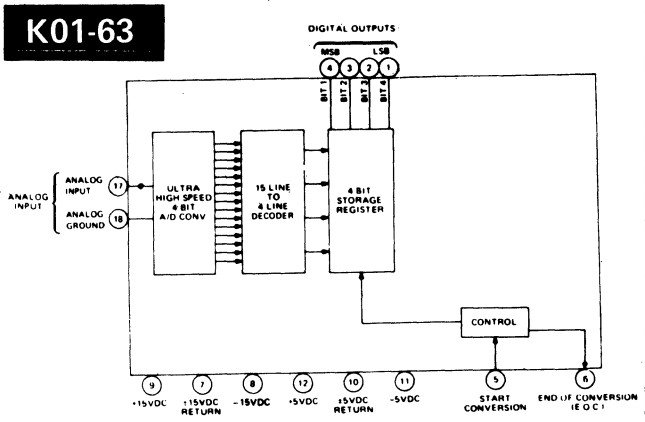


K01-61a

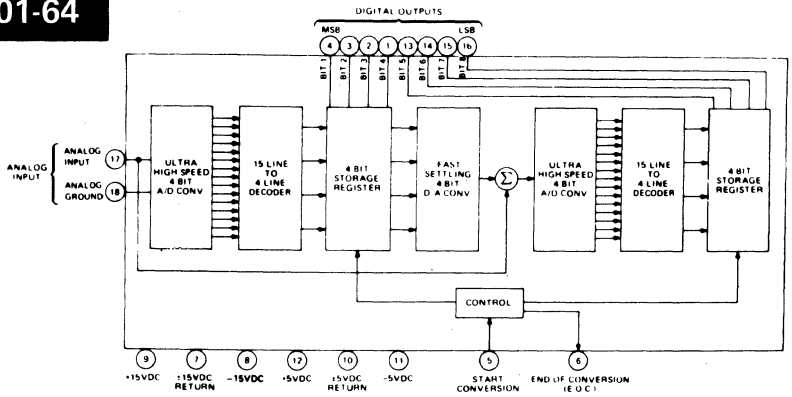
K01-62



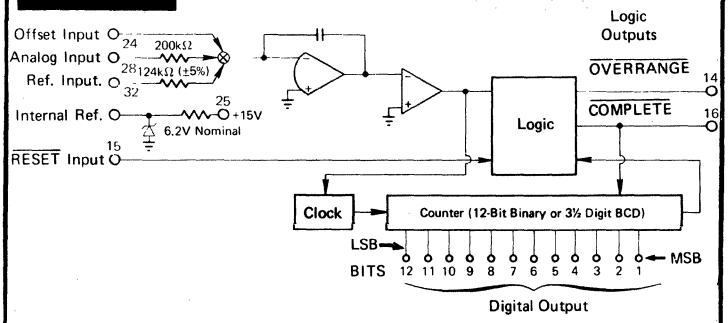
K01-63



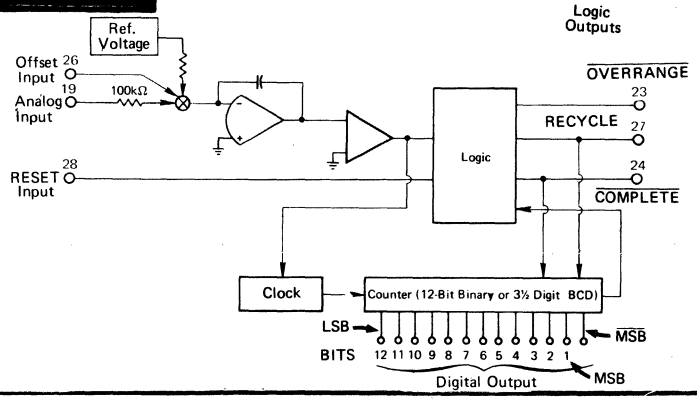
K01-64



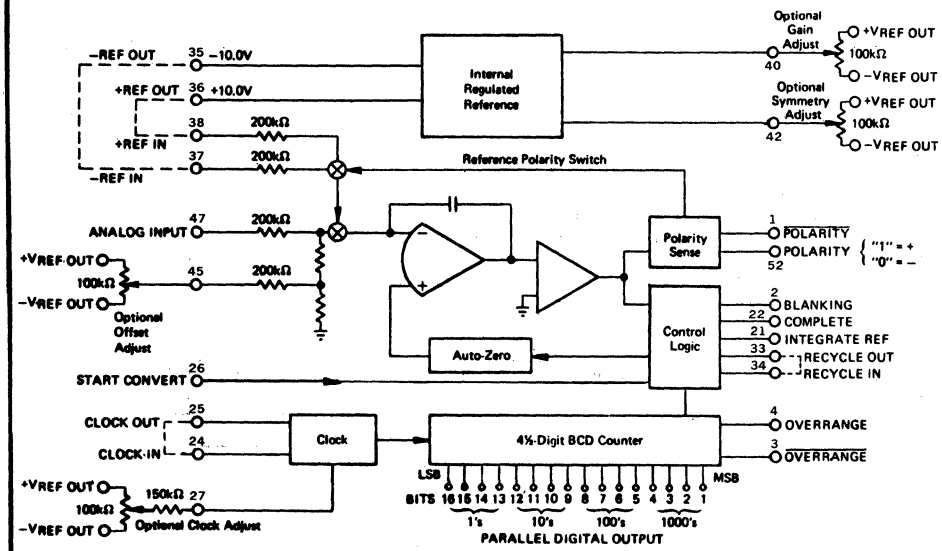
K01-65



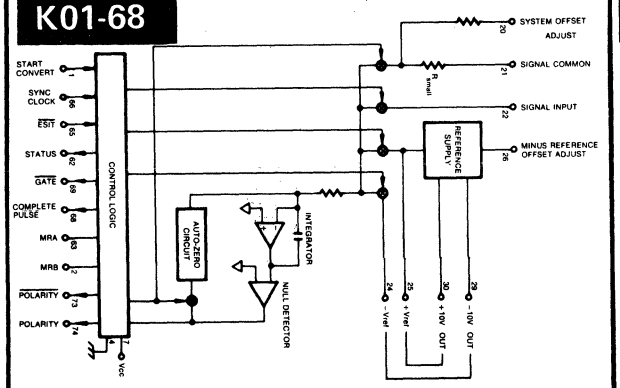
K01-66



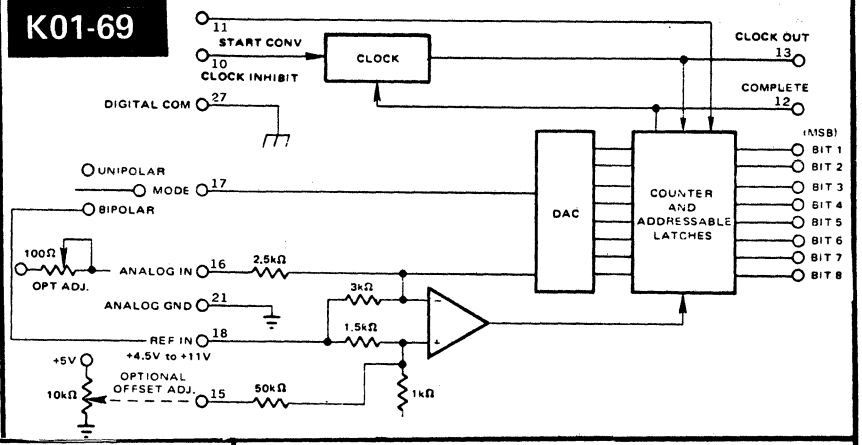
K01-67



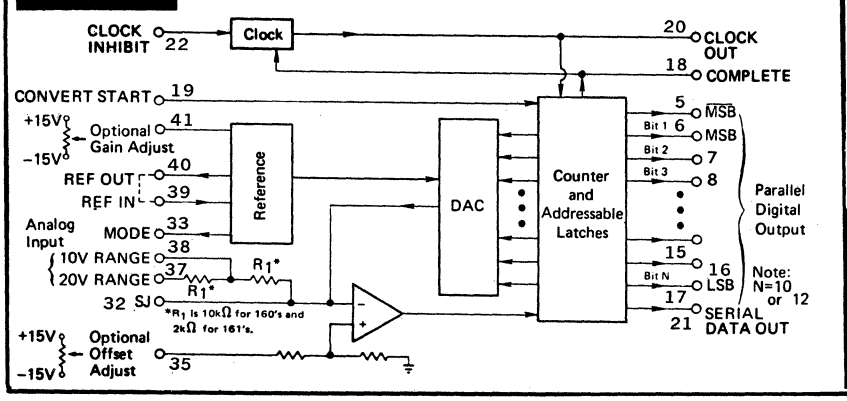
K01-68



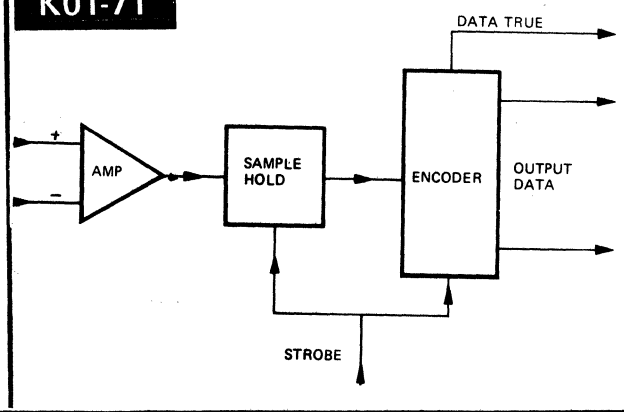
K01-69



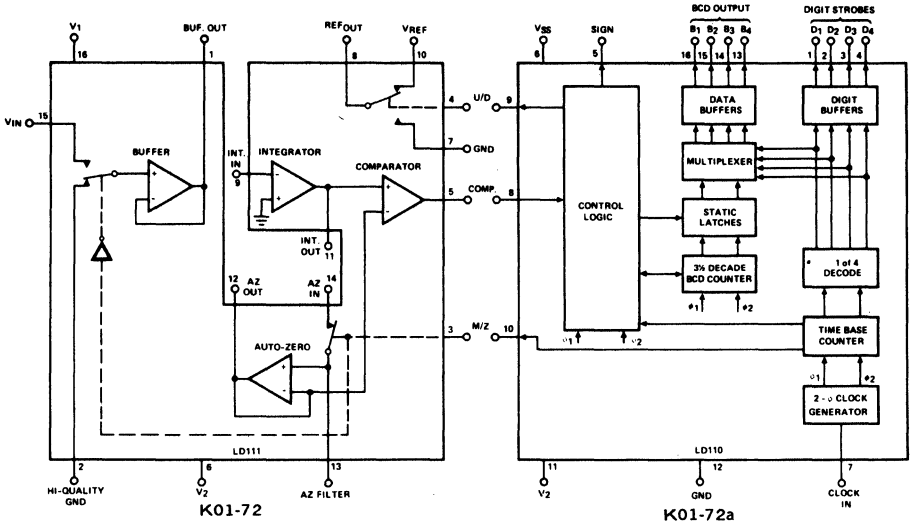
K01-70



K01-71



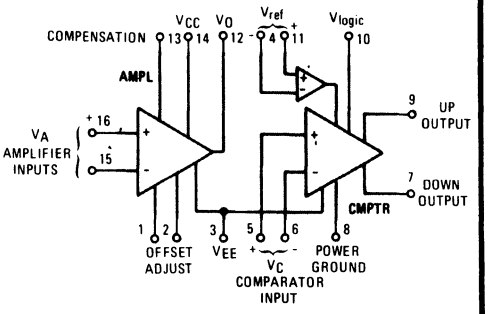
K01-72



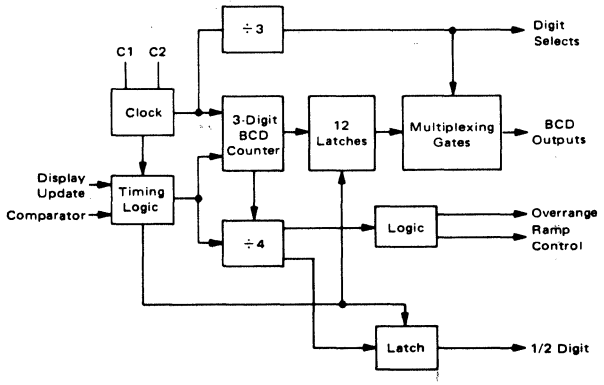
K01-72

K01-72a

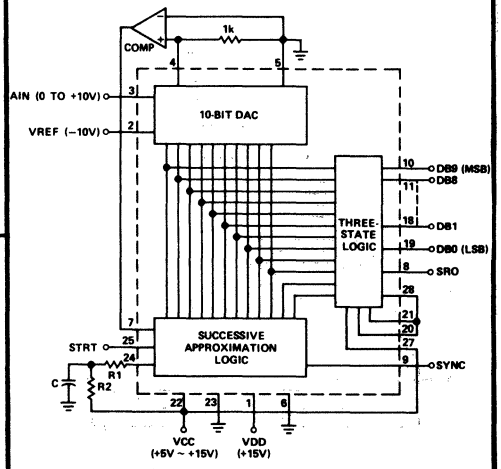
K01-73



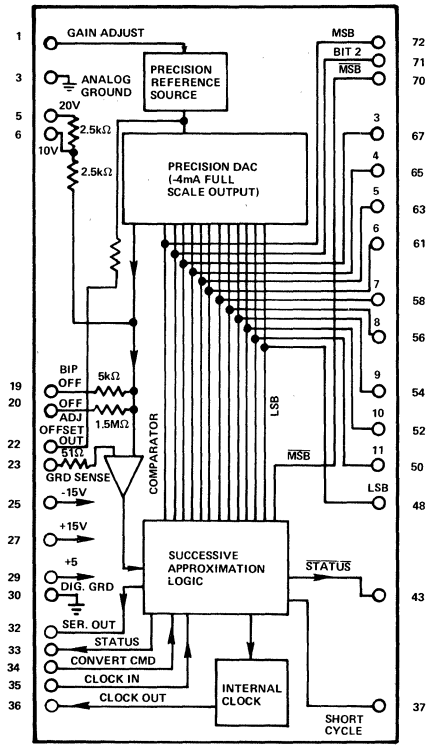
K01-74



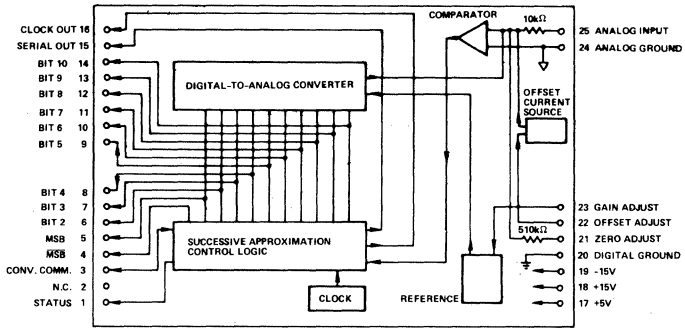
K01-75



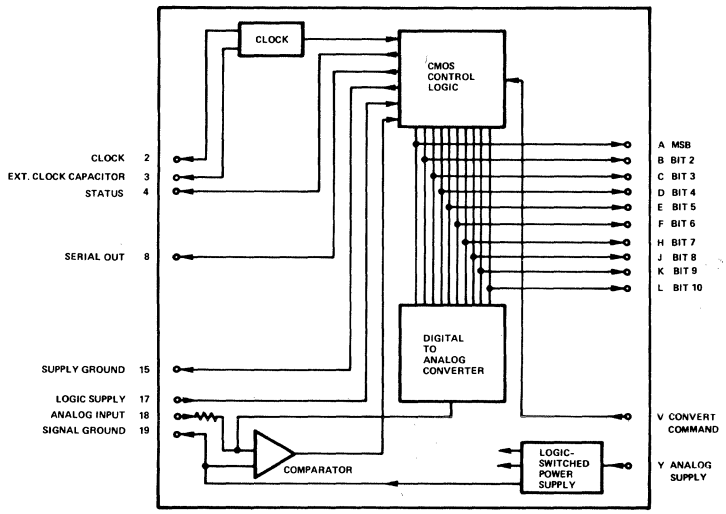
K01-76



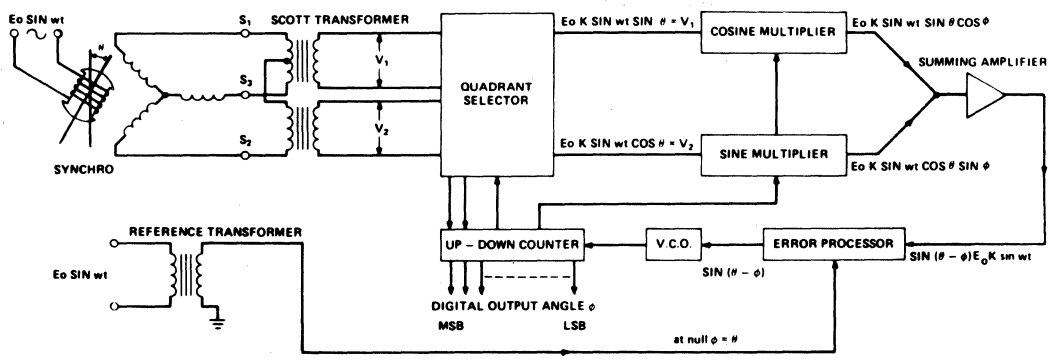
K01-77



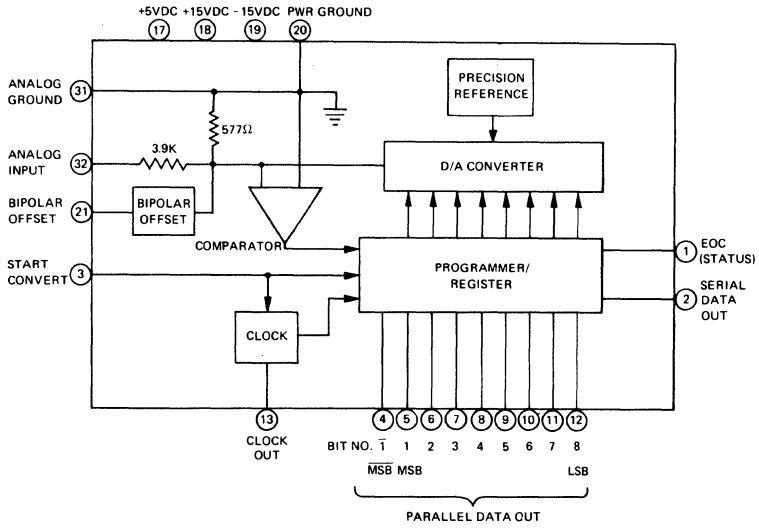
K01-78



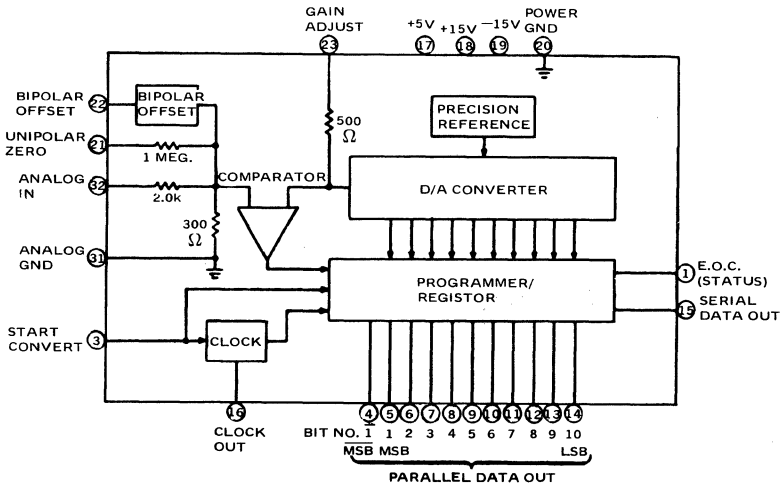
K01-79



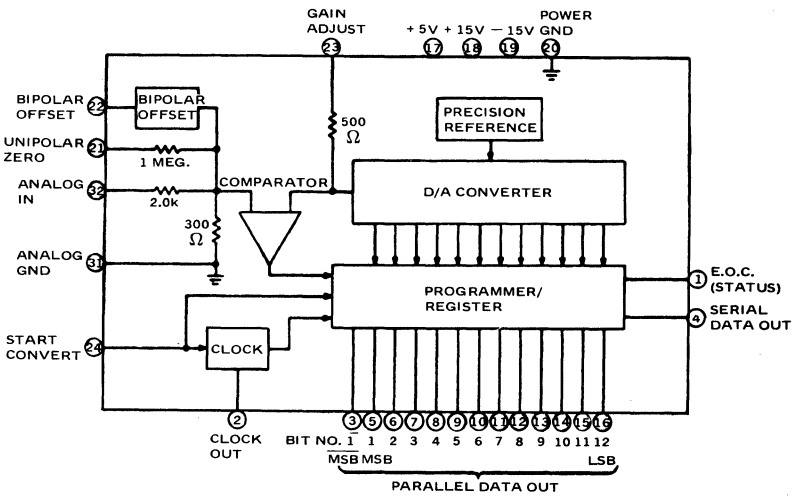
K01-80



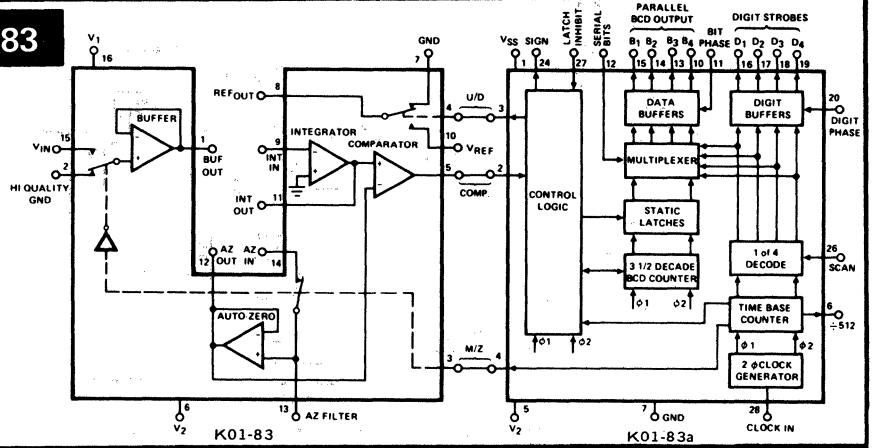
K01-81



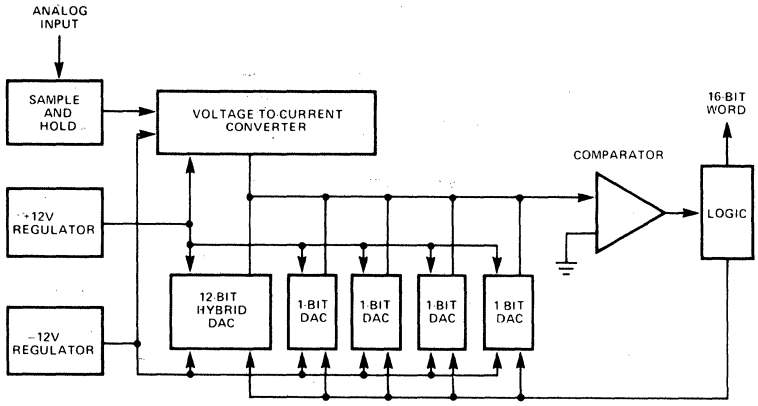
K01-82



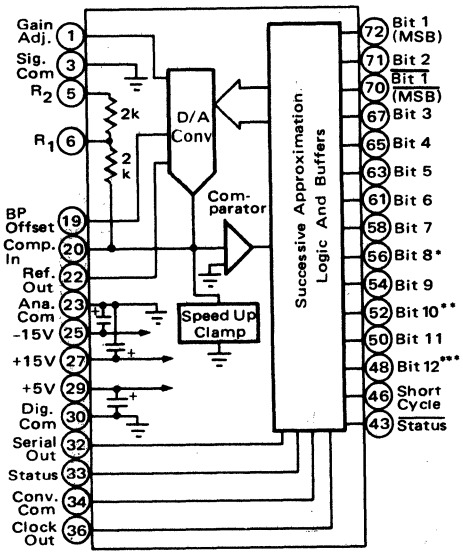
K01-83



K01-84

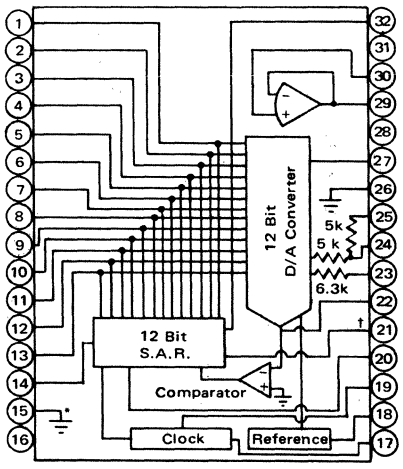


K01-85



* LSB for 8 Bit Models.
** LSB for 10 Bit Models.
*** LSB for 12 Bit Models.

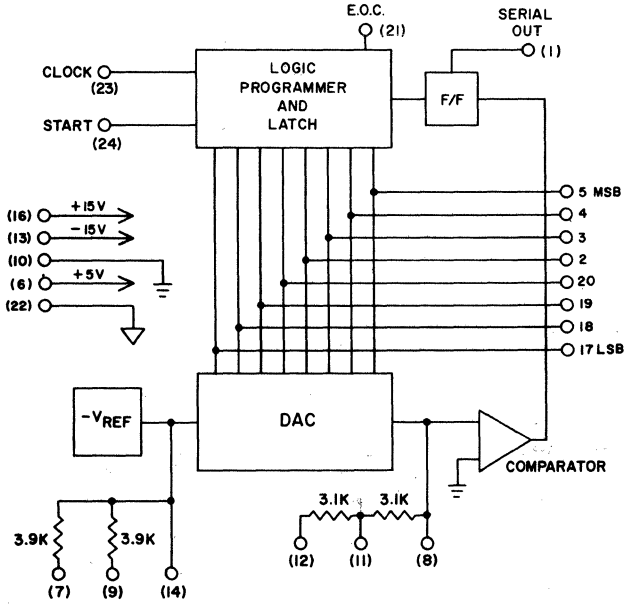
K01-86



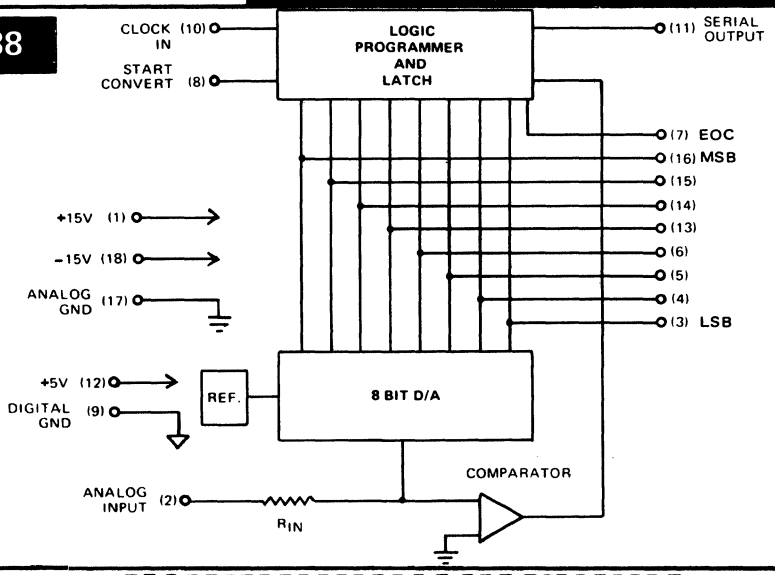
PIN CONNECTIONS

1. Bit 12 (LSB for 12 bits)
2. Bit 11
3. Bit 10 (LSB for 10 bits)
4. Bit 9
5. Bit 8
6. Bit 7
7. Bit 6
8. Bit 5
9. Bit 4
10. Bit 3
11. Bit 2
12. Bit 1 (MSB)
13. $\overline{\text{Bit 1 (MSB)}}$
14. Short Cycle
15. Dig Common*
16. +5V
32. $\overline{\text{Serial Out}}$
31. -15V
30. Buffer In
29. Buffer Out
28. +15V
27. Gain Adjust
26. Analog Common
25. R_2 20V Range
24. R_1 10V Range
23. Bipolar Offset
22. Comparator In
21. Convert Command†
20. Status
19. Clock Out
18. Ref. Out (+6.2V)
17. Clock Rate Control

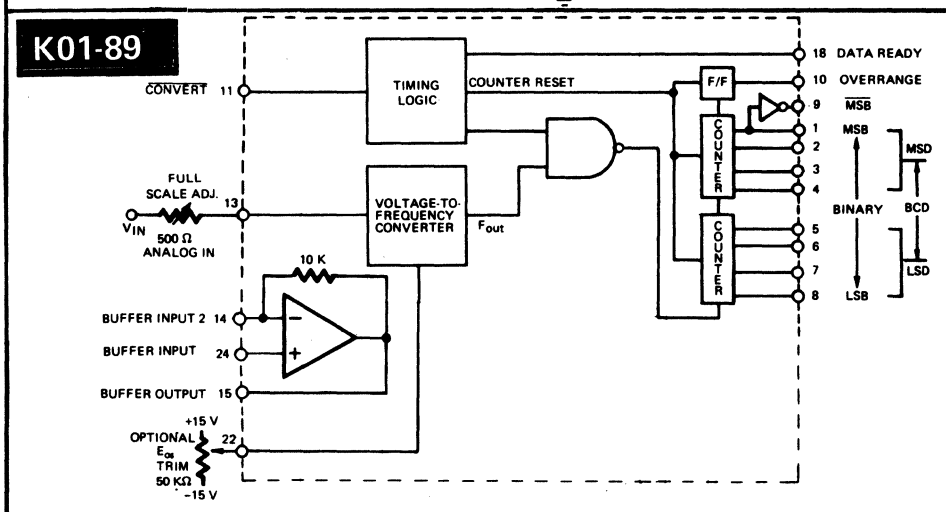
K01-87



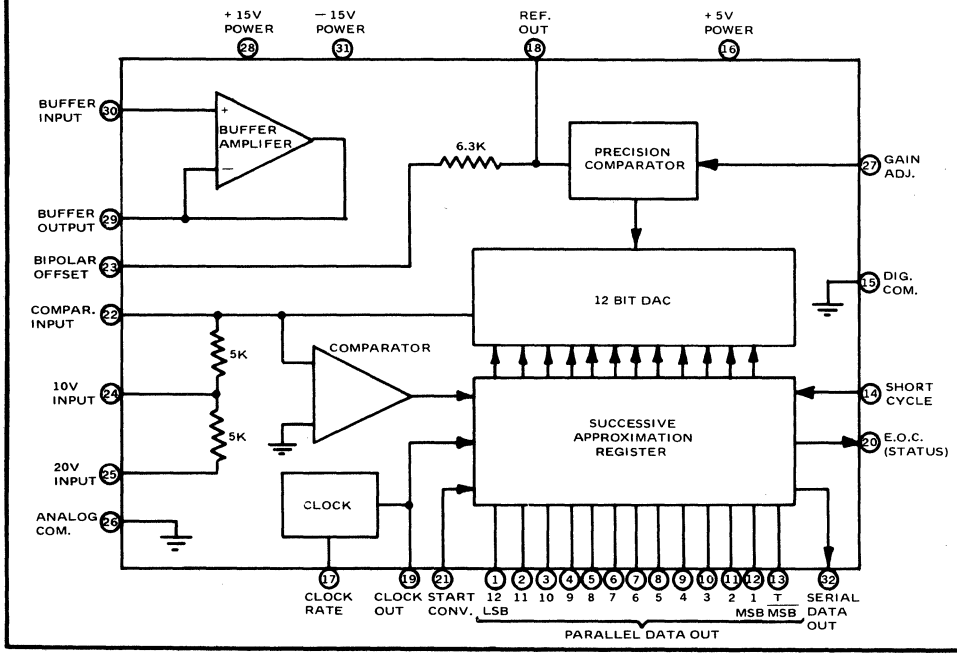
K01-88



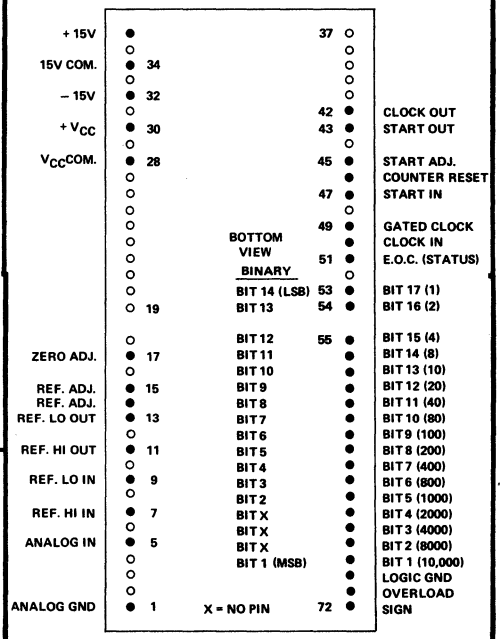
K01-89



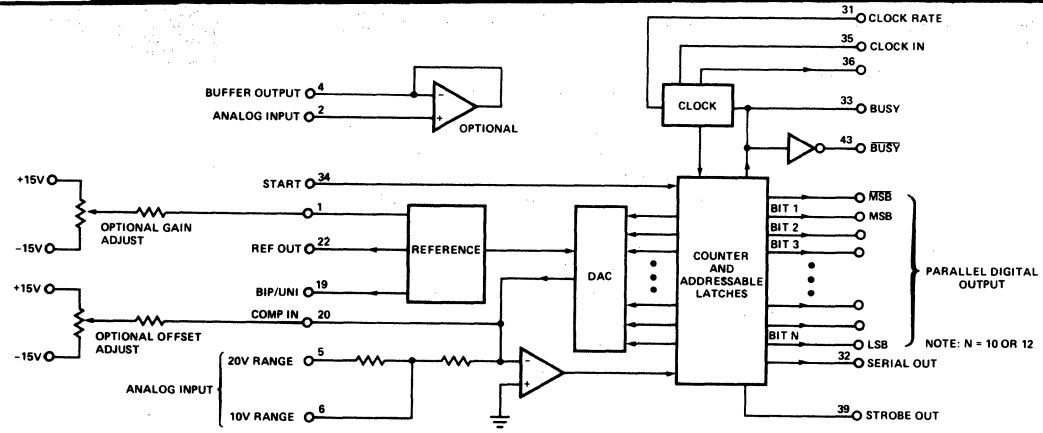
K01-91



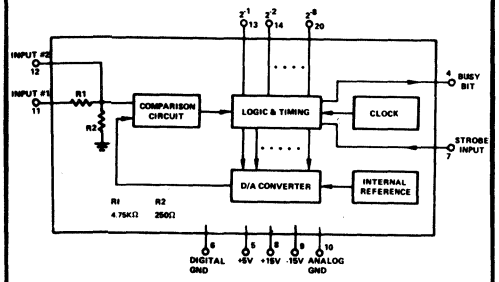
K01-90



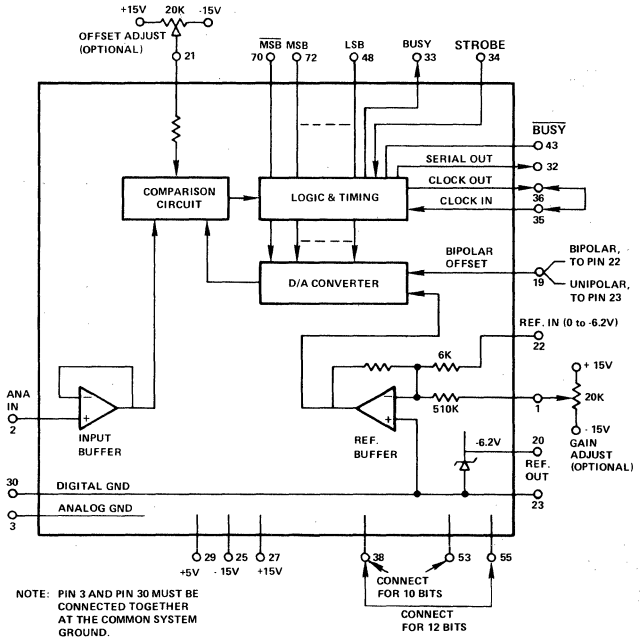
K01-92



K01-93

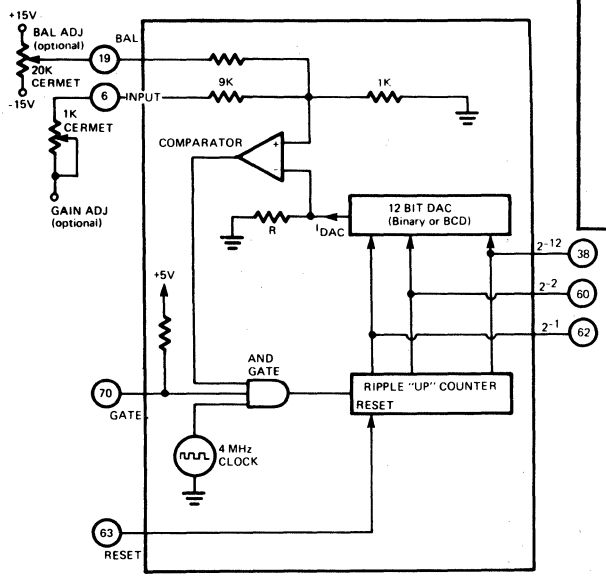


K01-94

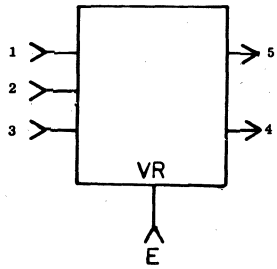


NOTE: PIN 3 AND PIN 30 MUST BE CONNECTED TOGETHER AT THE COMMON SYSTEM GROUND.

K01-95

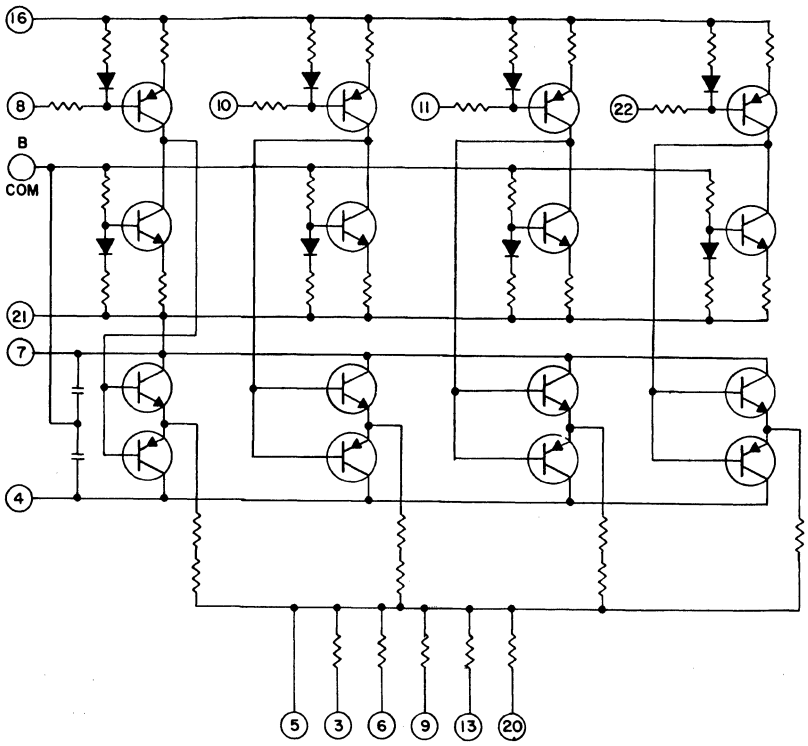


K02-6

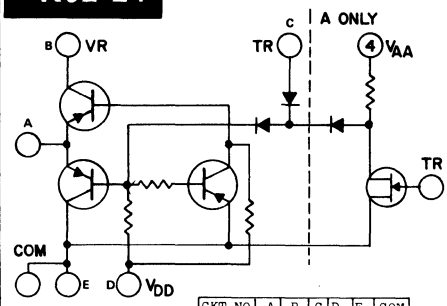


	1	2	3	VR	4	5
K02-6	J	T	V	E	S	K
K02-6a	U		T	E	S	K

K02-23

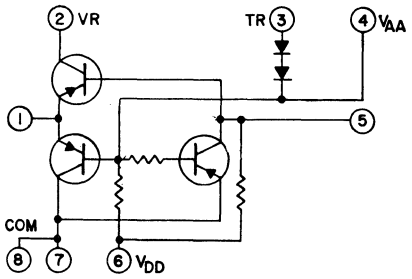


K02-24

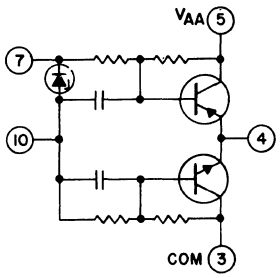


	CKT NO	A	B	C	D	E	COM
K0224	1	1	2	3	6	7	8
K0224b	1	9	6	1	7	5	
	2	10	6	2	7	5	
	3	11	15	3	14	16	
	4	12	15	4	14	16	

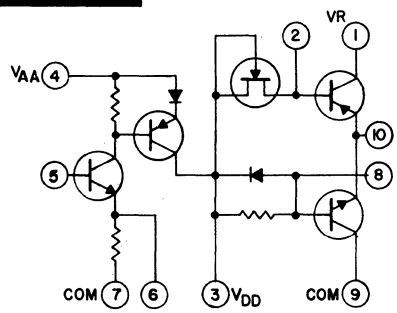
K02-25



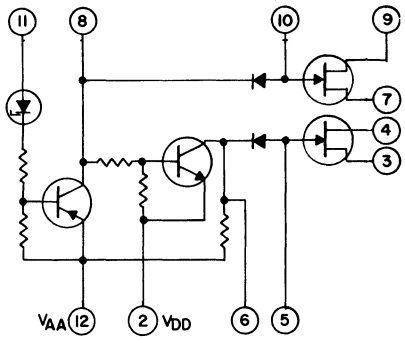
K02-27



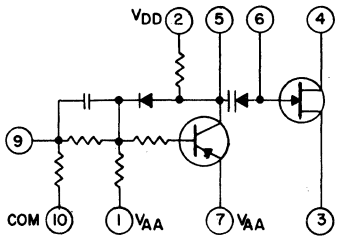
K02-28



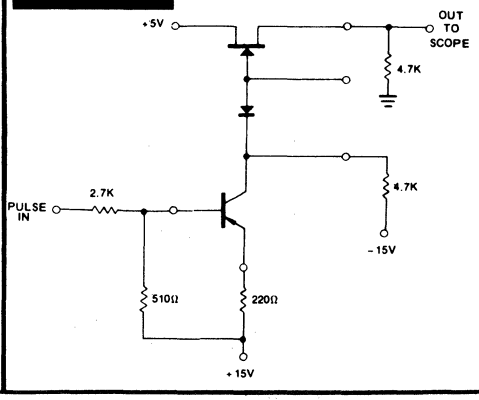
K02-29



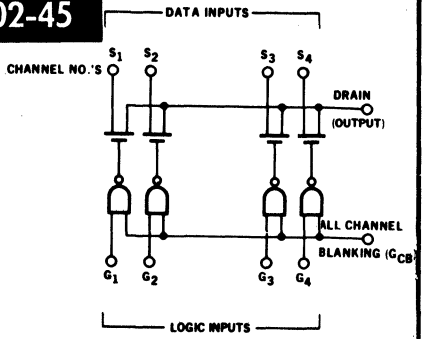
K02-30



K02-37

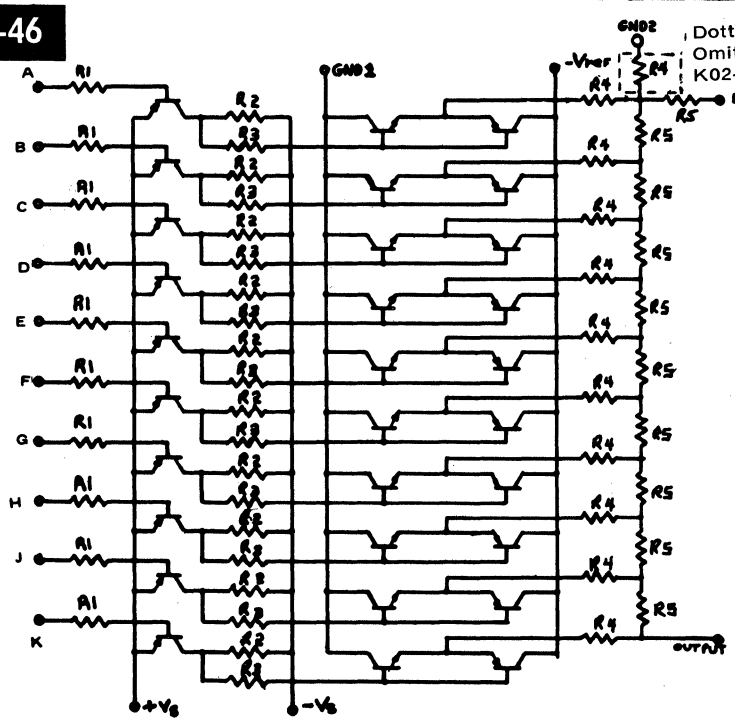


K02-45



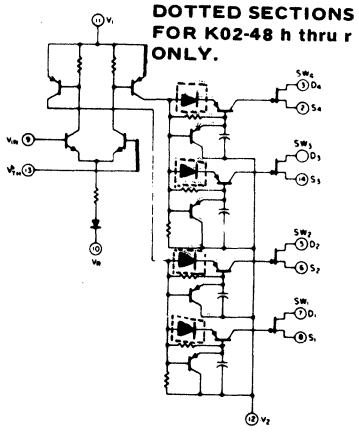
	V_{SS}	G_1	G_2	G_3	G_4	V_{GG}	V_{DD}	GCB	NC	S_1	S_2	S_3	S_4	DRAIN
K02-45	1	2	3	4	5	6	7	8	9	13	12	11	10	14

K02-46



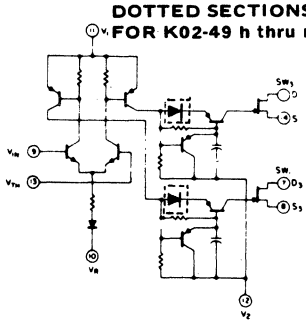
	A	B	C	D	E	F	G	H	J	K	VS	-VS	GND	GND2	-VREF	EXP	OUTPUT	R1	R2	R3	R4	R5
K02-46	2	3	4	5	6						7	13	8	12	9	11	10	8k	20k	3k	50k	25k
K02-46a	1	2	3	4	5	6	7	8	9	10	11	12	19	19	20		13	10k	20k	5k	50k	25k
K02-46b	1	2	3	4							5	6	9	9	10	8	7	10k	6.7k	3.3k	50k	25k
K02-46c	1	2	3	4							5	6	9		10	8	7	10k	6.7k	3.3k	50k	25k
K02-46d	1	2	3	4							5	6	9		10	8	7	10k	6.7k	3.3k	50k	25k
K02-46e	6	5	4	3	2						7	9	12		13		10	10k	20k	5k	50k	25k

K02-48



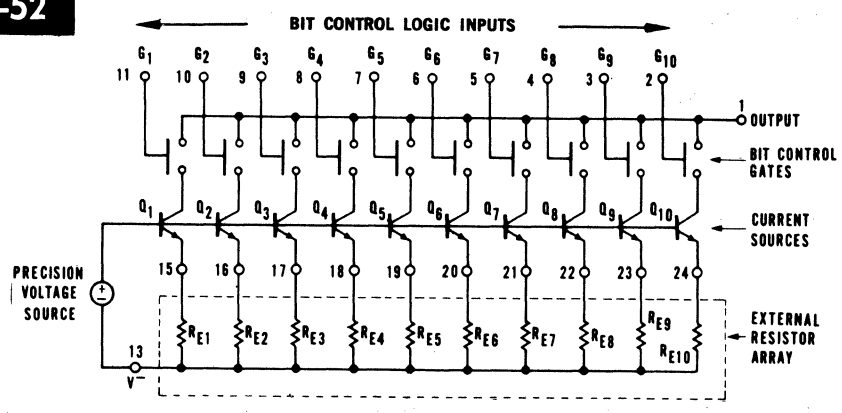
	RDS(ON)
K02-48	30Ω
K02-48a	80Ω
K02-48b	10Ω
K02-48c	15Ω
K02-48d	50Ω
K02-48e	35Ω
K02-48f	20Ω
K02-48g	100Ω
K02-48h	30Ω
K02-48j	35Ω
K02-48k	80Ω
K02-48m	10Ω
K02-48n	15Ω
K02-48p	20Ω
K02-48q	50Ω
K02-48r	100Ω

K02-49

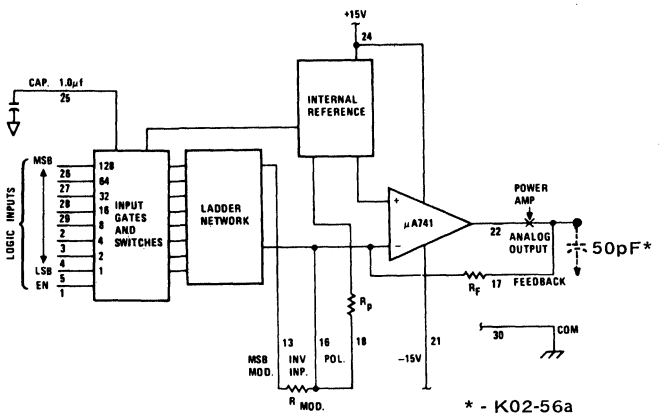


	RDS(ON)
K02-49	80Ω
K02-49a	30Ω
K02-49b	10Ω
K02-49c	15Ω
K02-49d	50Ω
K02-49e	35Ω
K02-49f	20Ω
K02-49g	100Ω
K02-49h	30Ω
K02-49j	35Ω
K02-49k	80Ω
K02-49m	10Ω
K02-49n	15Ω
K02-49p	20Ω
K02-49q	50Ω
K02-49r	100Ω

K02-52

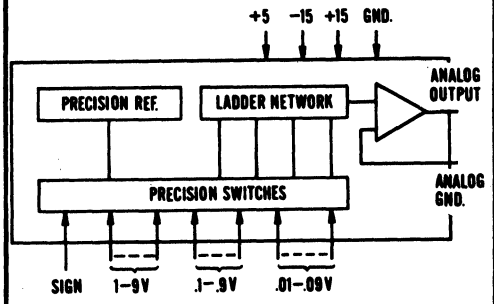


K02-56

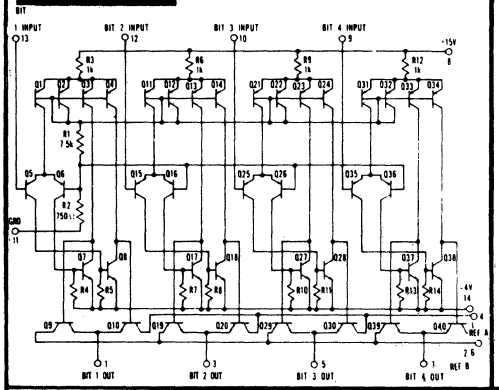


* - K02-56a

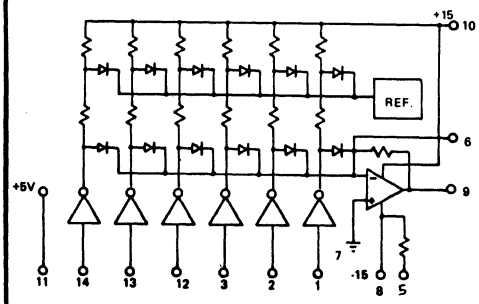
K02-57



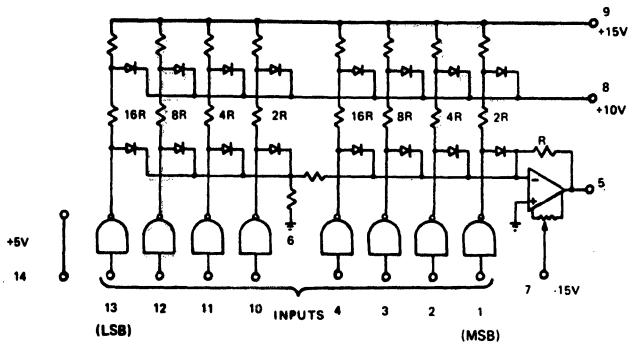
K02-58



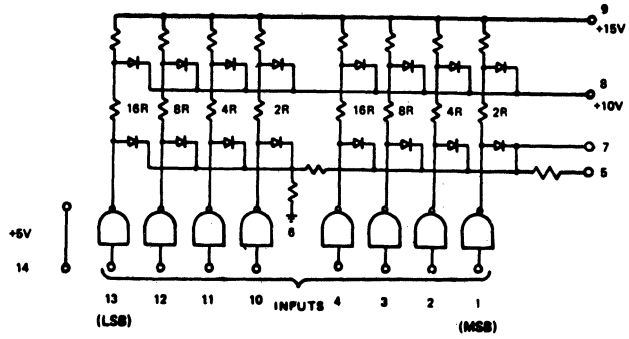
K02-61



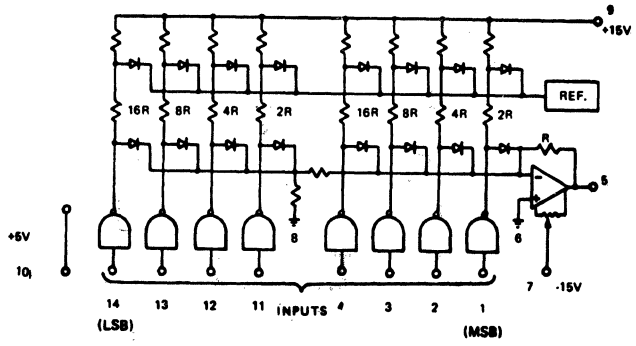
K02-62



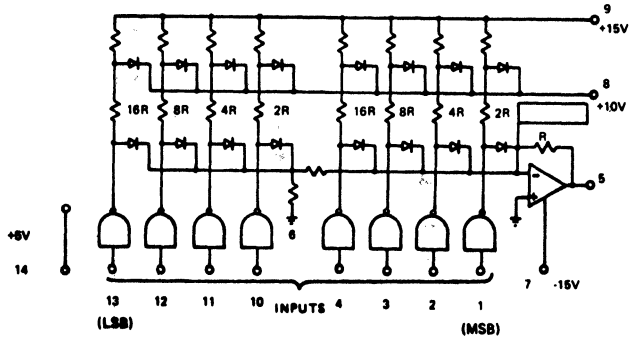
K02-63



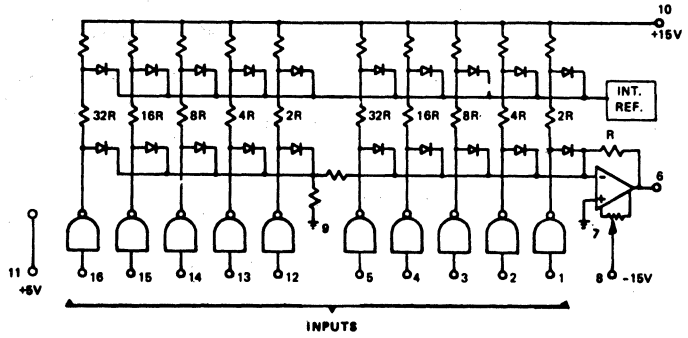
K02-64



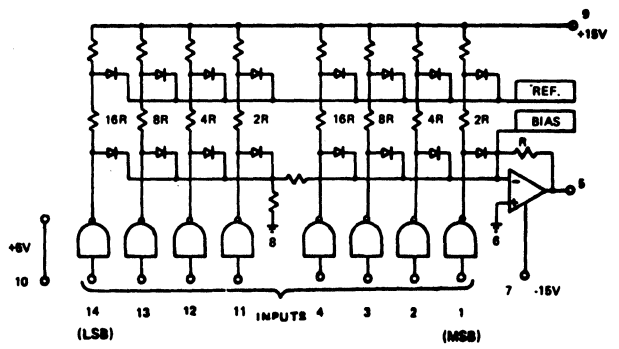
K02-65



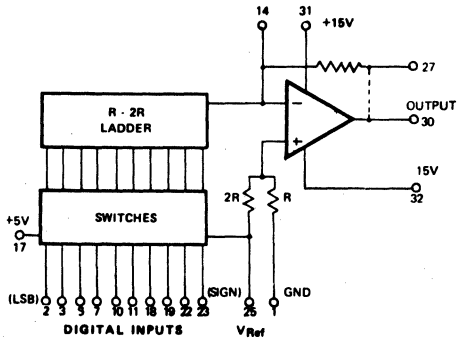
K02-66



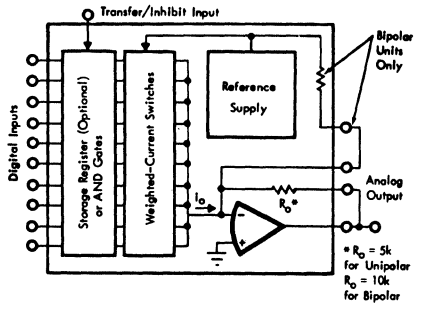
K02-67



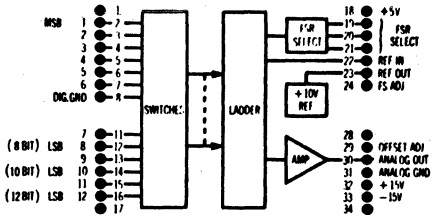
K02-68



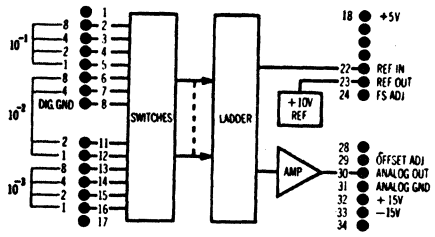
K02-69



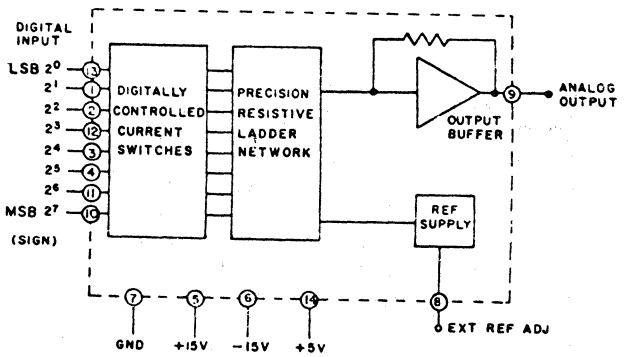
K02-70



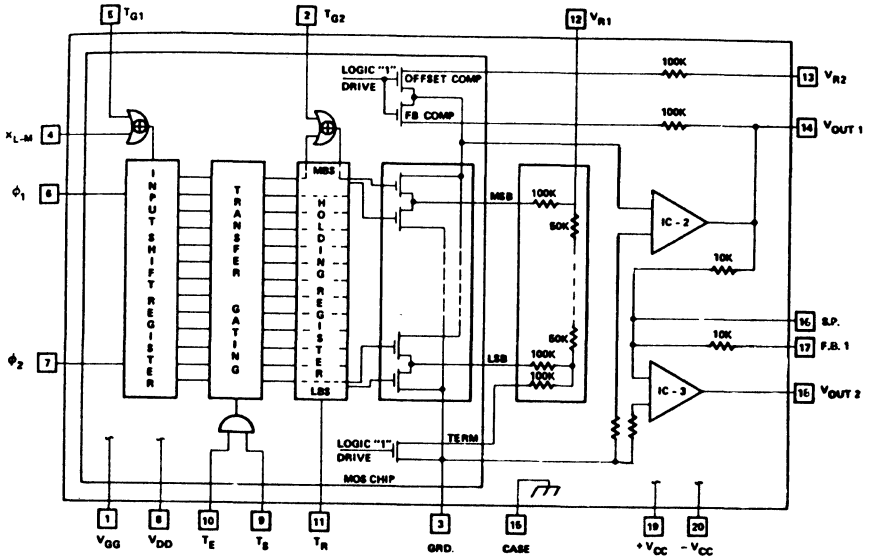
K02-71



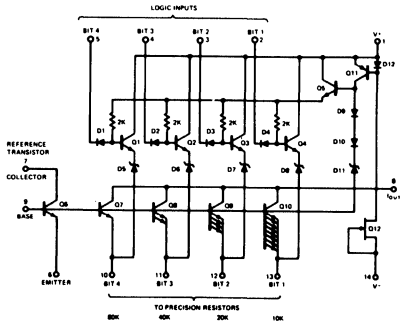
K02-72



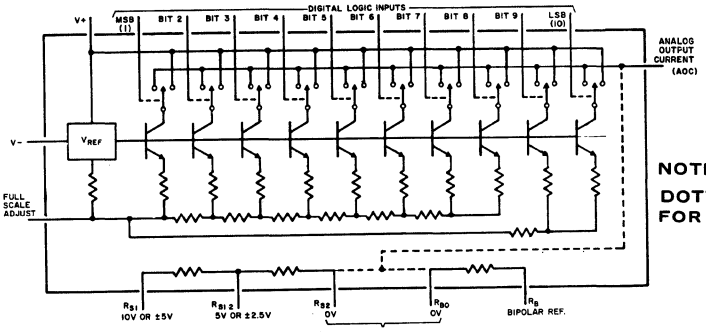
K02-74



K02-75



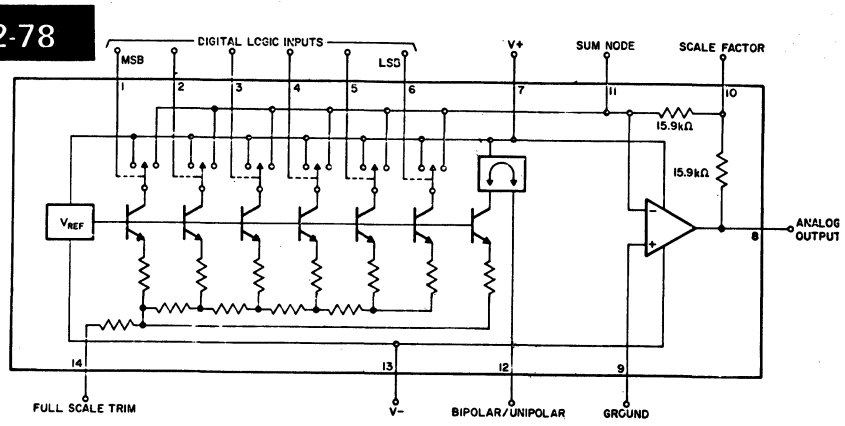
K02-77



NOTE:
DOTTED SECTION FOR K02-77a ONLY

APPLIES FOR K02-77 ONLY

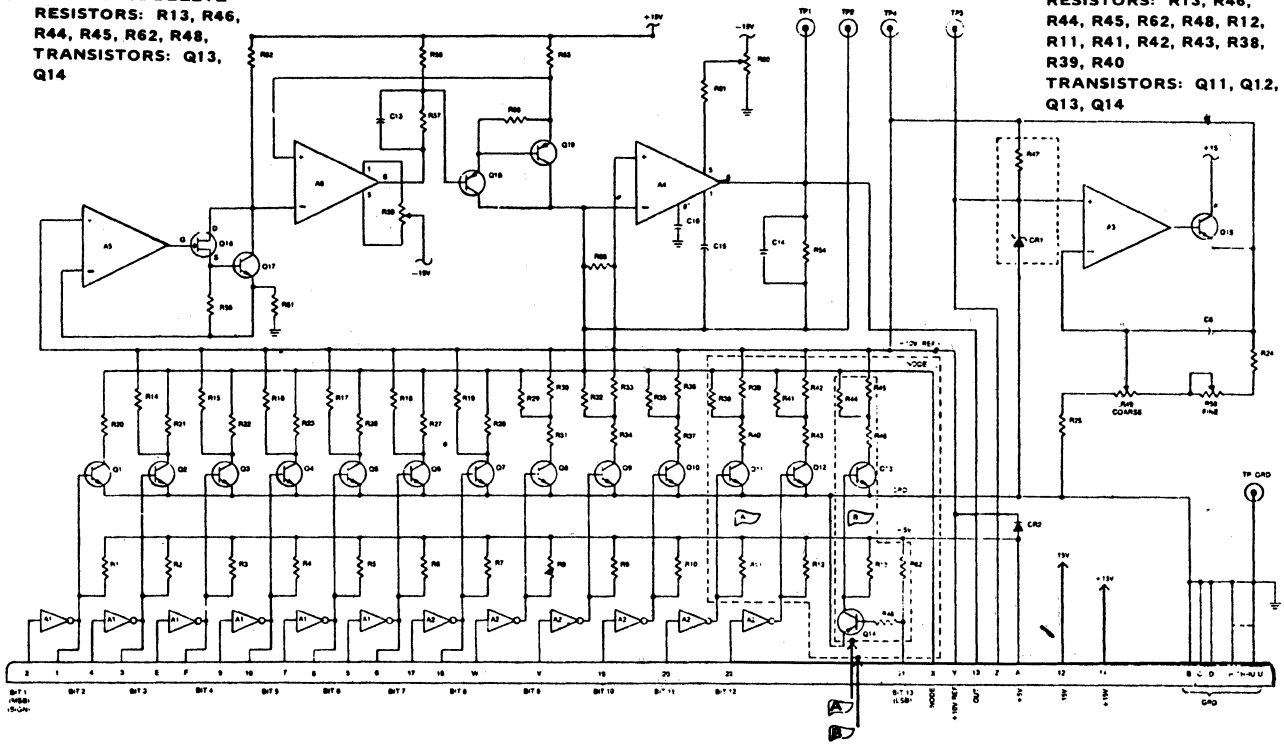
K02-78



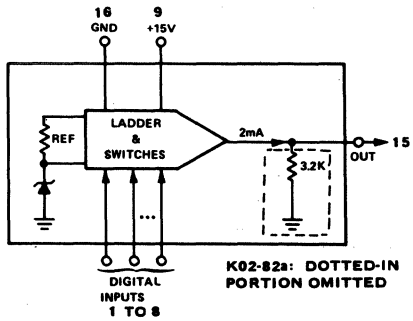
K02-79

NOTE: FOR K02-79a DELETE RESISTORS: R13, R46, R44, R45, R62, R48, TRANSISTORS: Q13, Q14

NOTE: FOR K02-79b DELETE RESISTORS: R13, R46, R44, R45, R62, R48, R12, R11, R41, R42, R43, R38, R39, R40 TRANSISTORS: Q11, Q12, Q13, Q14

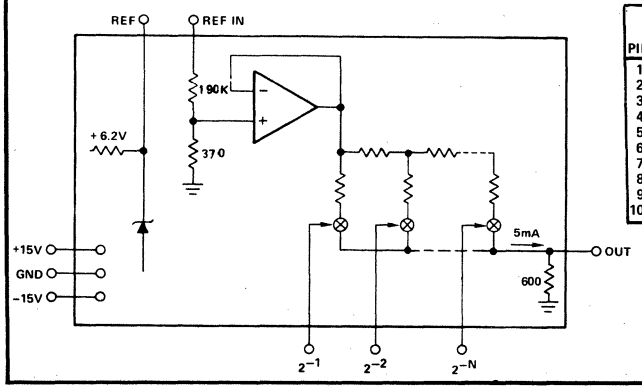


K02-82



K02-82a: DOTTED-IN PORTION OMITTED

K02-83



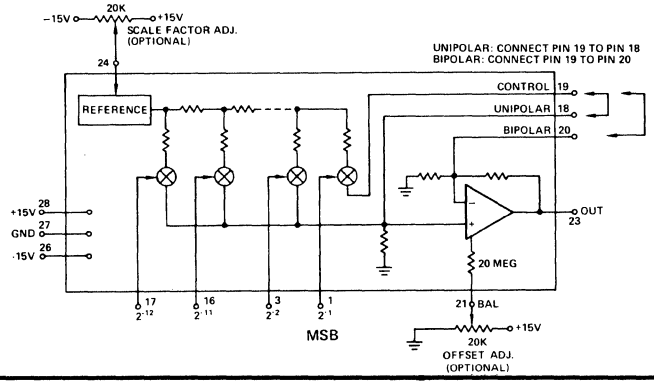
K02-83			
PIN		PIN	
1	+15V	18	REF
2	-15V		
3	REF IN		
4	GND	17	OUT
5	2^{-12}	16	2^{-1} MSB
6	2^{-11}	15	2^{-2}
7	2^{-10}	14	2^{-3}
8	2^{-9}	13	2^{-4}
9	2^{-8}	12	2^{-5}
10	2^{-7}	11	2^{-6}

K02-83a			
PIN		PIN	
K	KEY		
1	2^{-12}	28	+15V
2	2^{-11}	27	GND
3	2^{-10}	26	-15V
4	2^{-9}	25	N.C.
5	2^{-8}	24	N.C.
6	2^{-7}	23	N.C.
7	N.C.	22	N.C.
8	N.C.	21	REF IN
9	2^{-6}	20	REF
10	2^{-5}	19	N.C.
11	2^{-4}	18	N.C.
12	2^{-3}	17	N.C.
13	2^{-2}	16	OUT
14	2^{-1}	15	GND

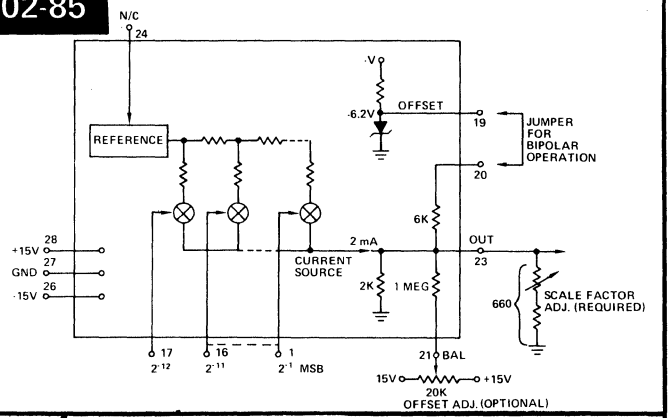
SECTION 12. LOGIC DRAWING

IN DRAWING NUMBER SEQUENCE

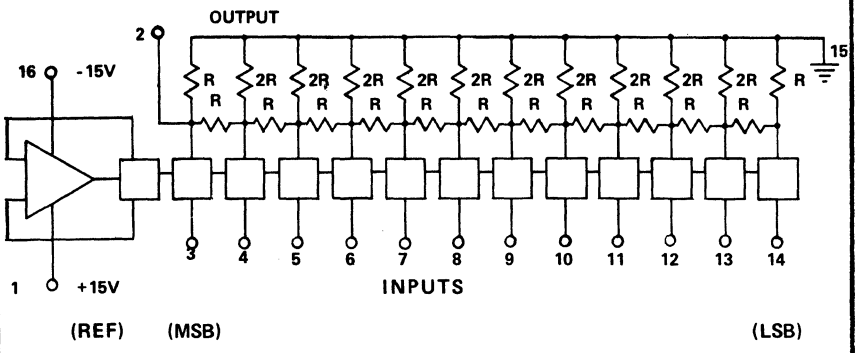
K02-84



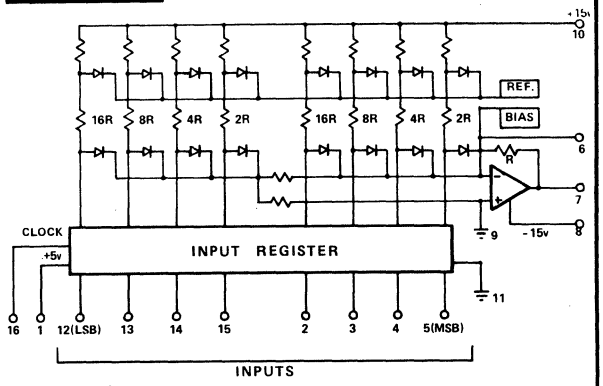
K02-85



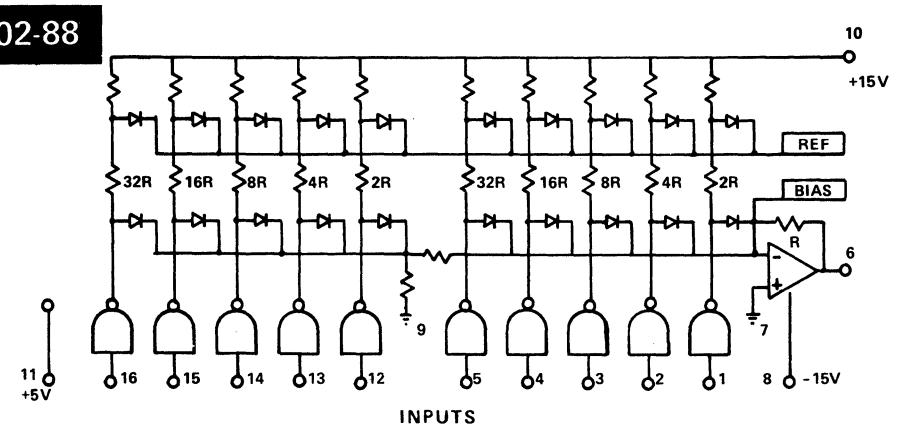
K02-86



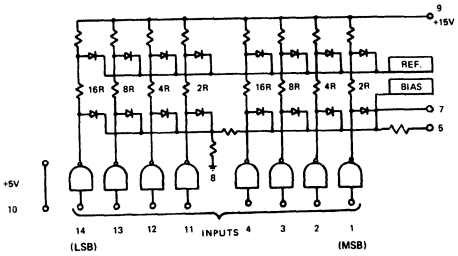
K02-87



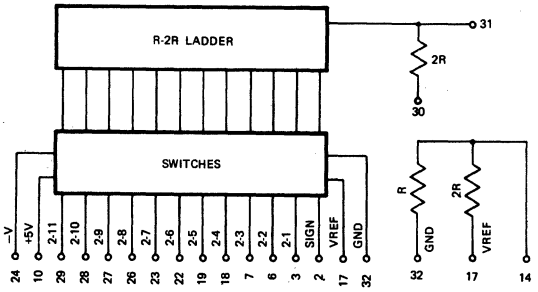
K02-88



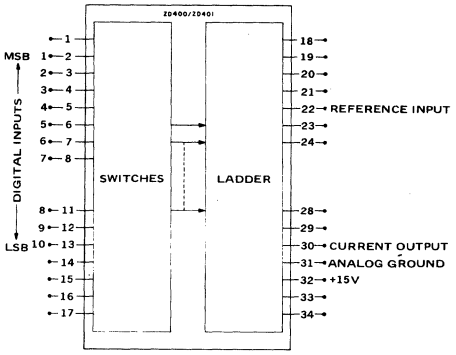
K02-89



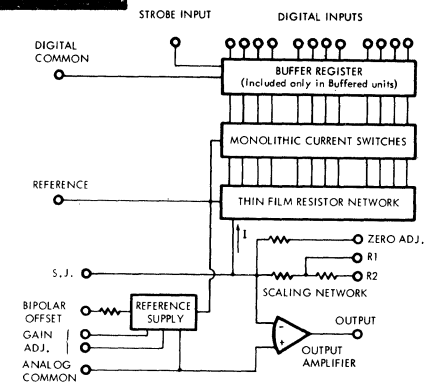
K02-90



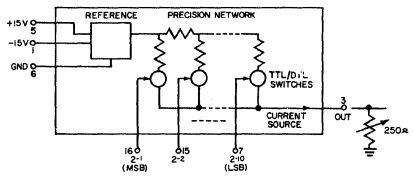
K02-98



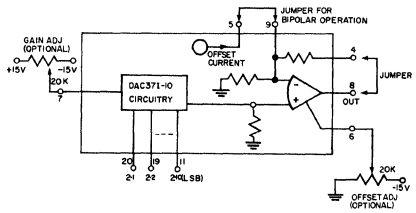
K02-99



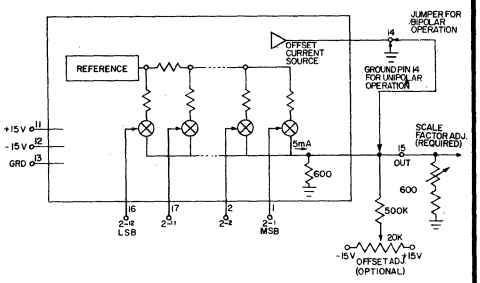
K02-100



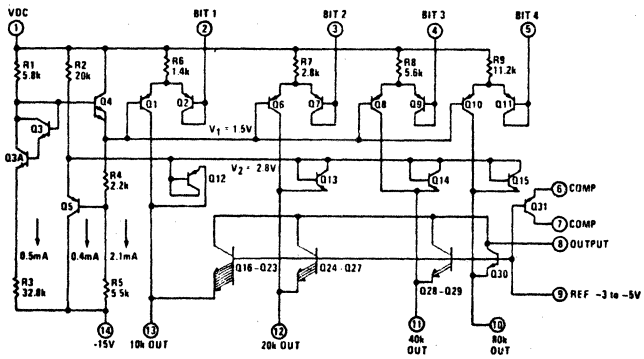
K02-101



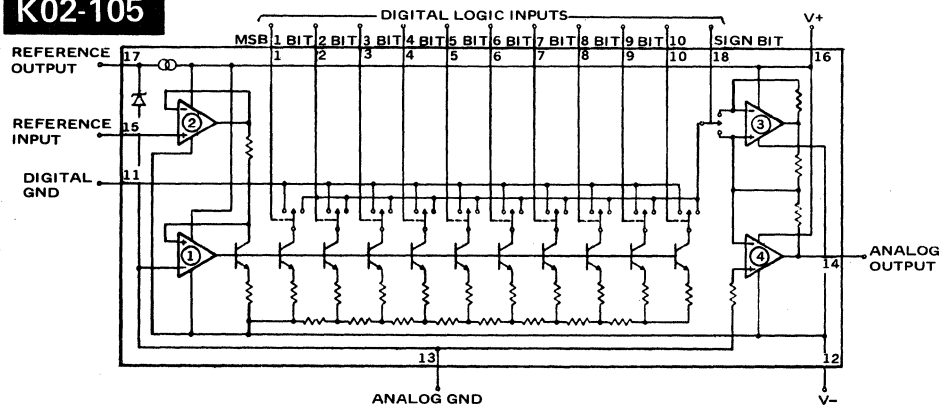
K02-102



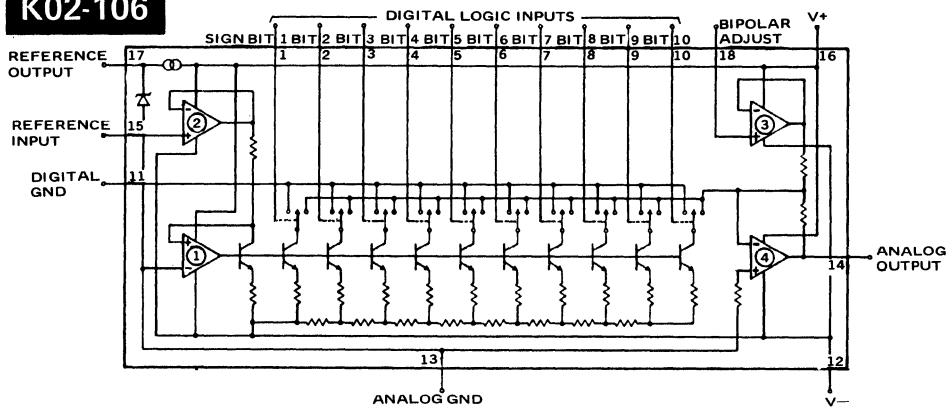
K02-103



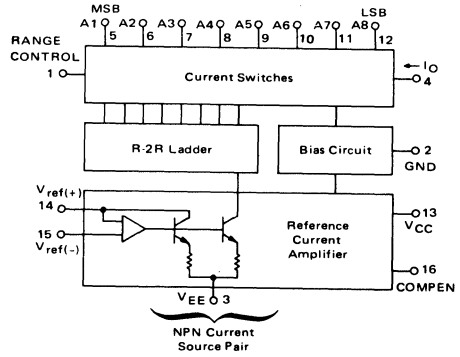
K02-105



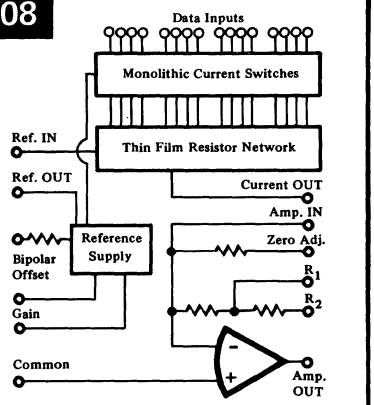
K02-106



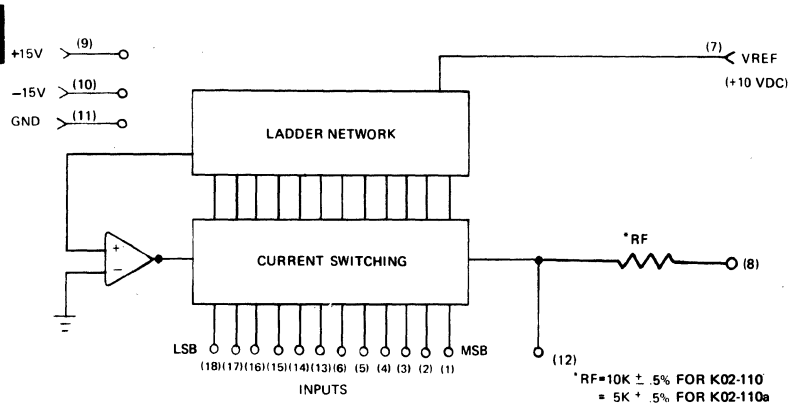
K02-107



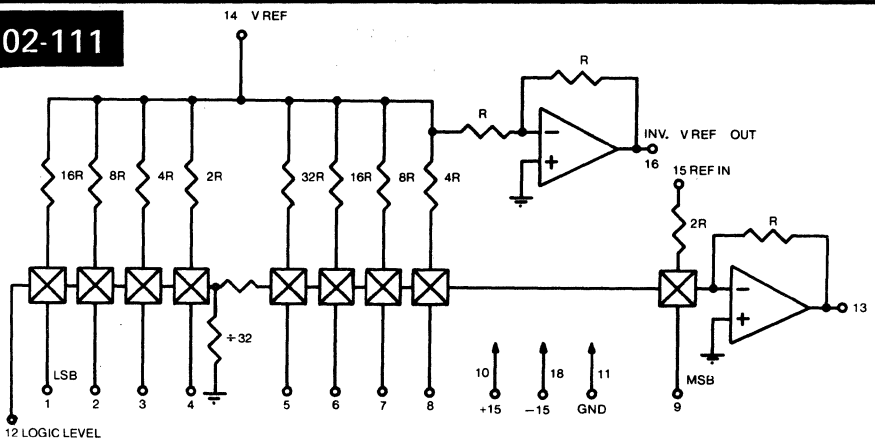
K02-108



K02-110

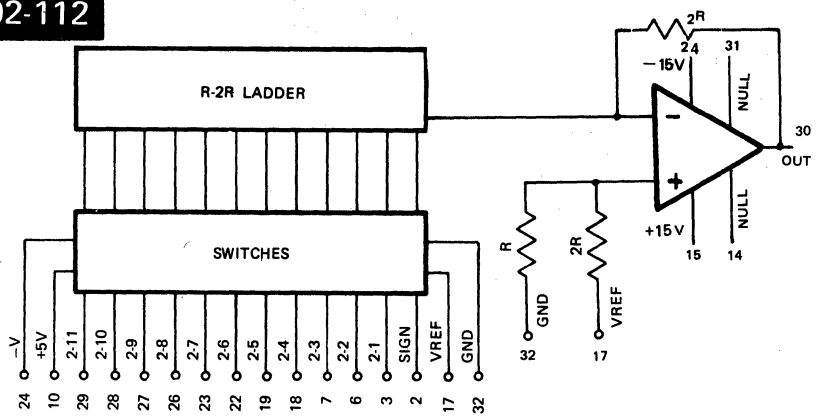


K02-111

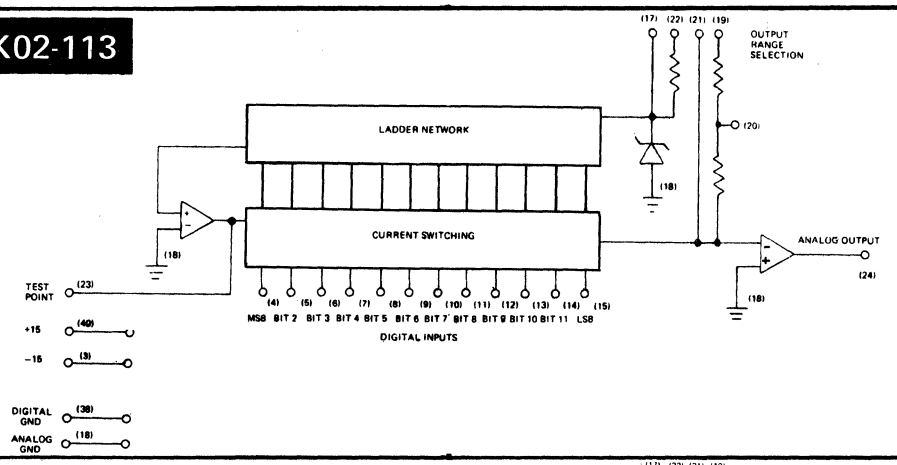


K02-112

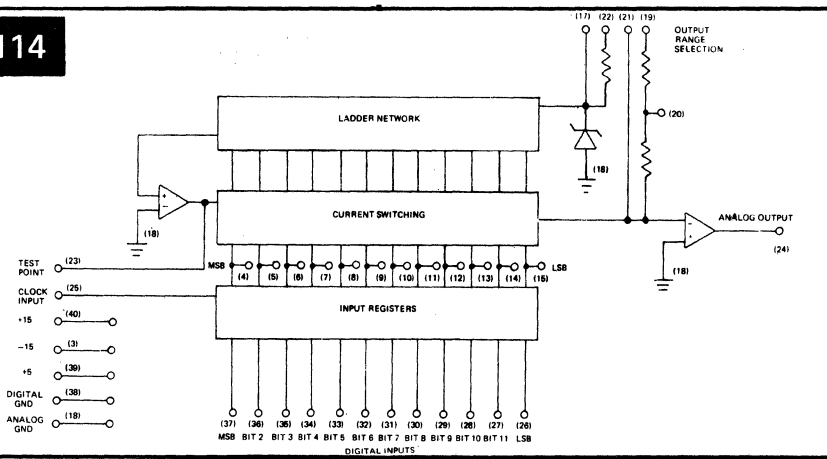
ALL DIMENSIONS IN INCHES



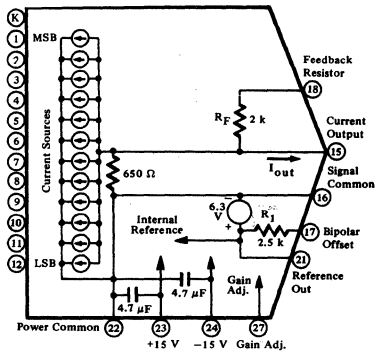
K02-113



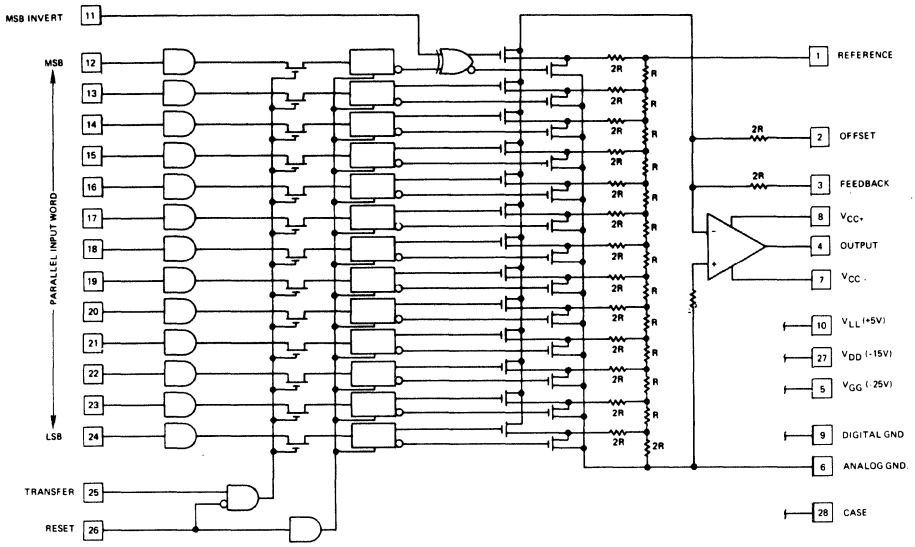
K02-114



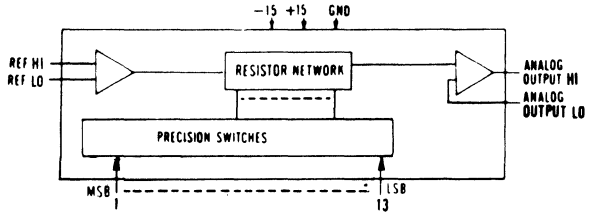
K02-115



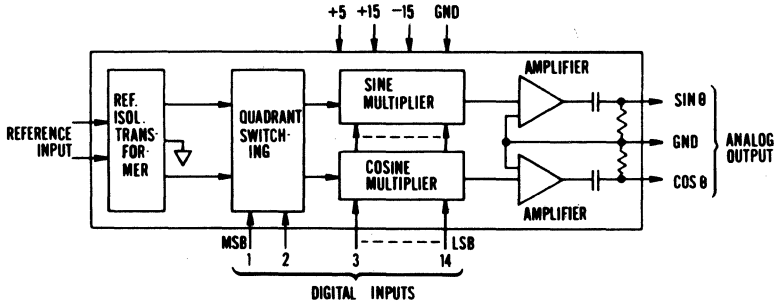
K02-116



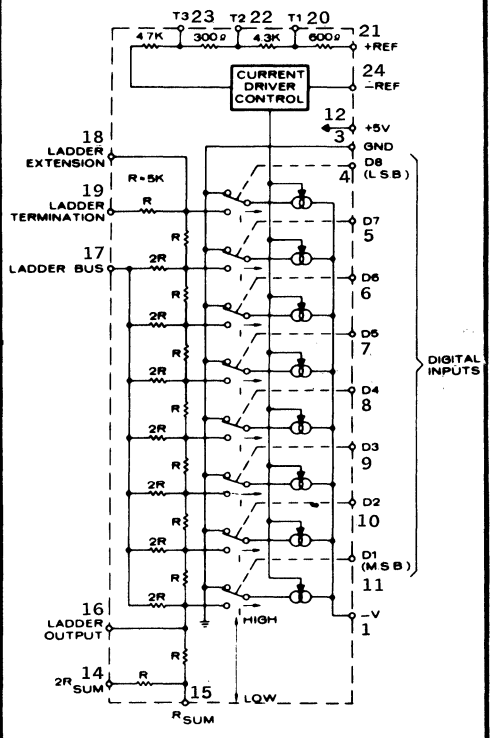
K02-117



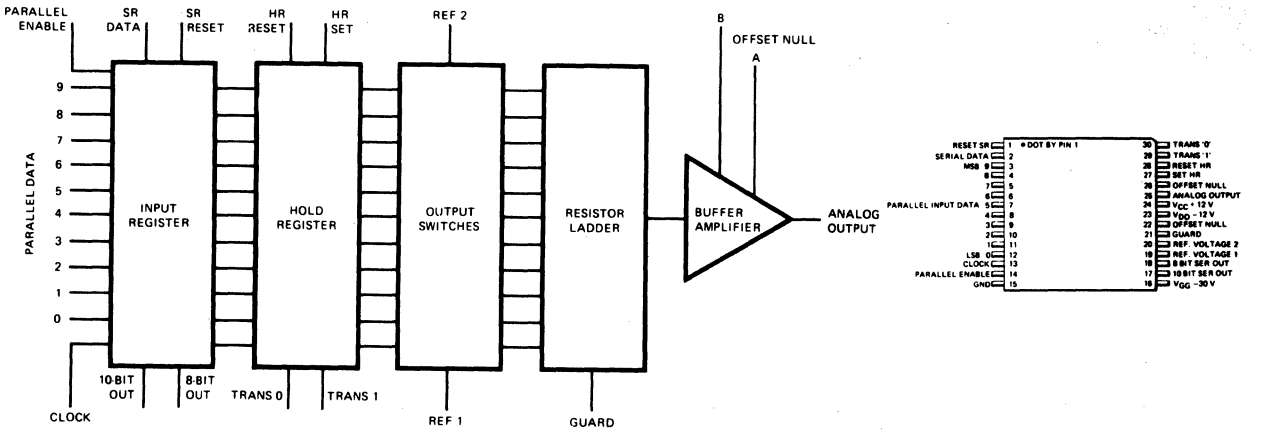
K02-118



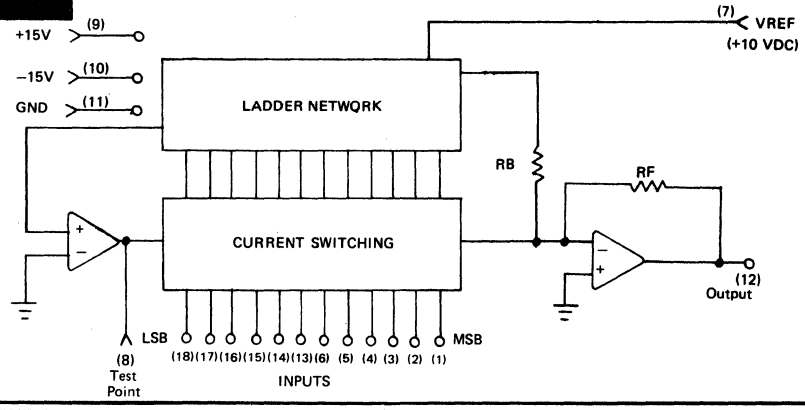
K02-119



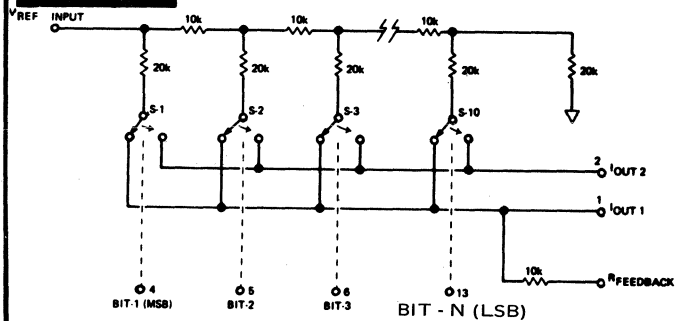
K02-120



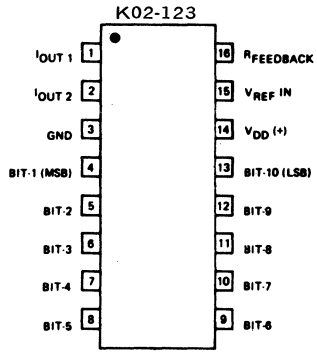
K02-122

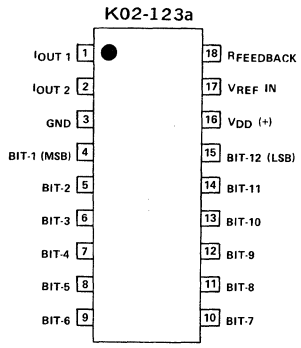


K02-123

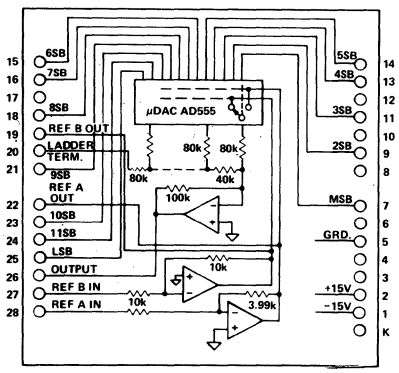


K02-123 — N = 10
K02-123a — N = 12





K02-124

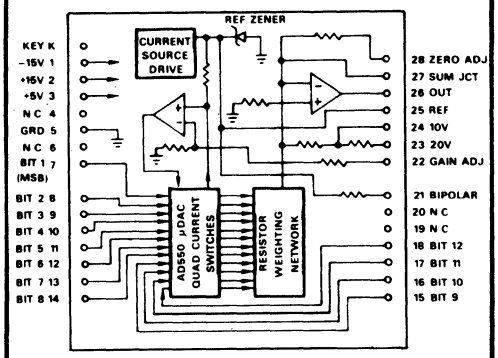


SECTION 12. LOGIC DRAWING

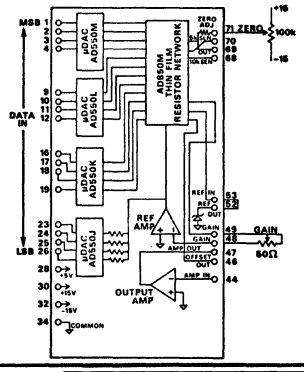
IN DRAWING NUMBER SEQUENCE

K02-125

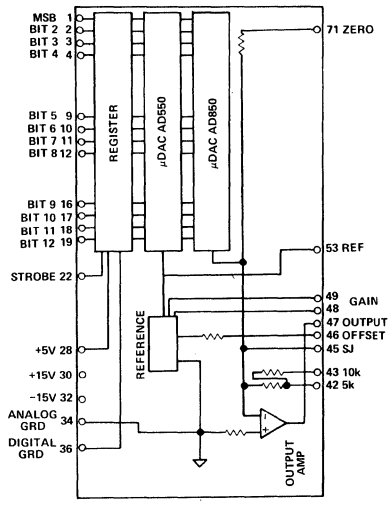
NOTE: PINS SHOWN AS HAVING NO CONNECTIONS (N.C.) ARE DELETED



K02-126



K02-127

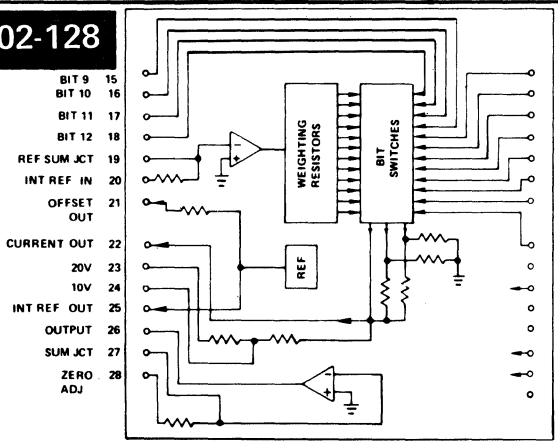


- 1 BIT 1 (MSB)
- 2 BIT 2 — ZERO ADJ 71
- 3 BIT 3
- 4 BIT 4
- 9 BIT 5
- 10 BIT 6
- 11 BIT 7
- 12 BIT 8

K02-127

- 16 BIT 9
- 17 BIT 10
- 18 BIT 11
- 19 BIT 12 (LSB) — REF OUT 53
- 22 STROBE — GAIN ADJ 49 / 48
- ANALOG OUT 47
- OFFSET OUT 46
- 28 +5V — SUMMING JCT 45
- 30 +15V — 10K 43
- 5K 42
- 32 −15V
- 34 ANALOG GRD
- 36 DIGITAL GRD

K02-128

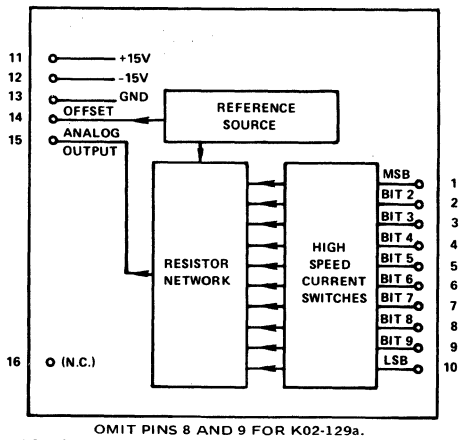


NOTE: PINS SHOWN AS HAVING NO CONNECTION (N.C.) ARE DELETED

- K KEY
- 1 −15V — ZERO ADJ 28
- 2 +15V — SUM JCT 27
- 3 +5V — OUT 26
- 4 N.C. — REF 25
- 5 GRD — 10V 24
- 6 N.C. — 20V 23
- 7 BIT 1 (MSB) — GAIN ADJ 22
- 8 BIT 2 — BIPOLAR OFFSET OUT 21
- 9 BIT 3 — N.C. 20
- 10 BIT 4 — N.C. 19
- 11 BIT 5 — BIT12 18
- 12 BIT 6 — BIT 11 17
- 13 BIT 7 — BIT 10 16
- 14 BIT 8 — BIT 9 15

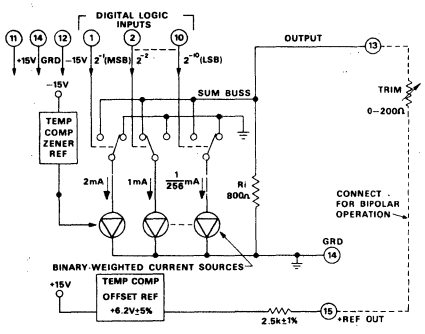
K02-127a

K02-129



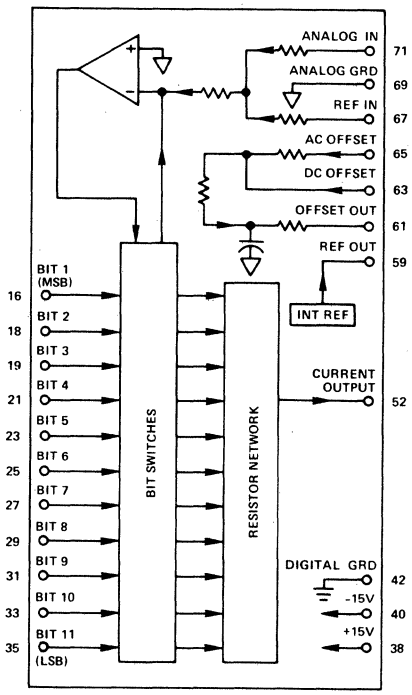
OMIT PINS 8 AND 9 FOR K02-129a.

K02-130

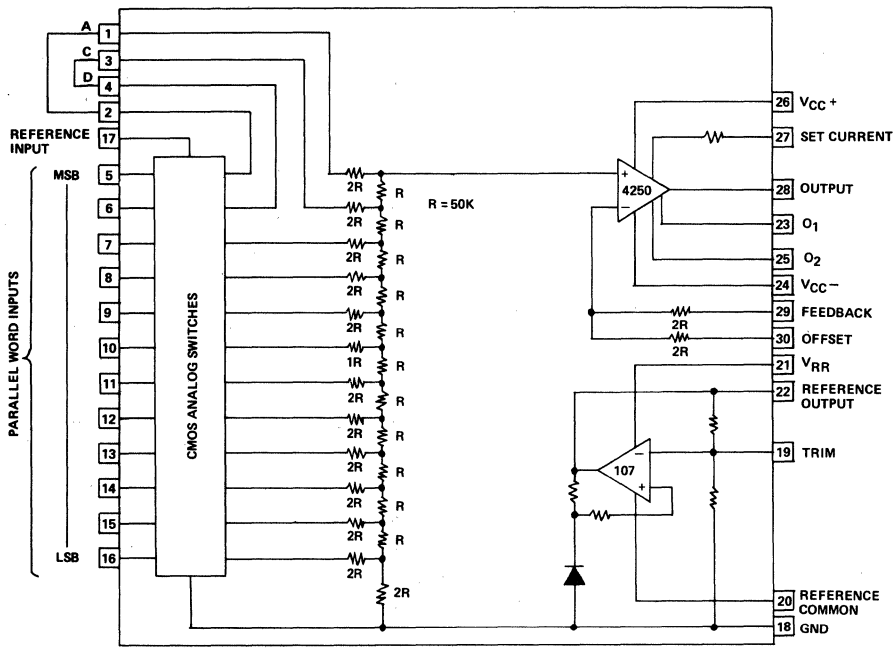


MODULE PIN	CARD PIN	FUNCTION
1	A	BIT 1 (MSB)
2	B	BIT 2
3	C	BIT 3
4	D	BIT 4
5	E	BIT 5
6	F	BIT 6
7	H	BIT 7
8	J	BIT 8
9	K	BIT 9
10	L	BIT 10 (LSB)
11	X	+15V
12	Y	-15V
13	U	D/A OUTPUT
14	Z	GRD
15	V	+ REF OUTPUT

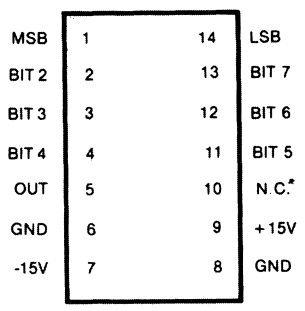
K02-131

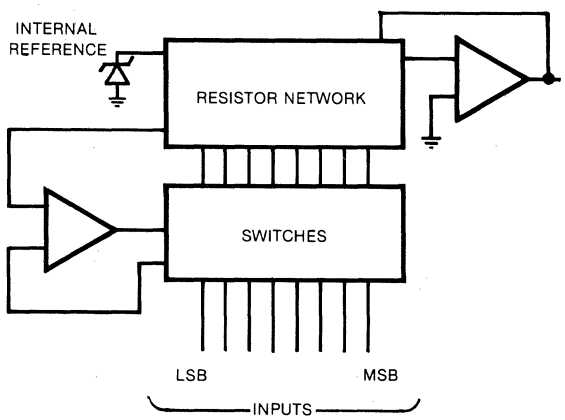


K02-132

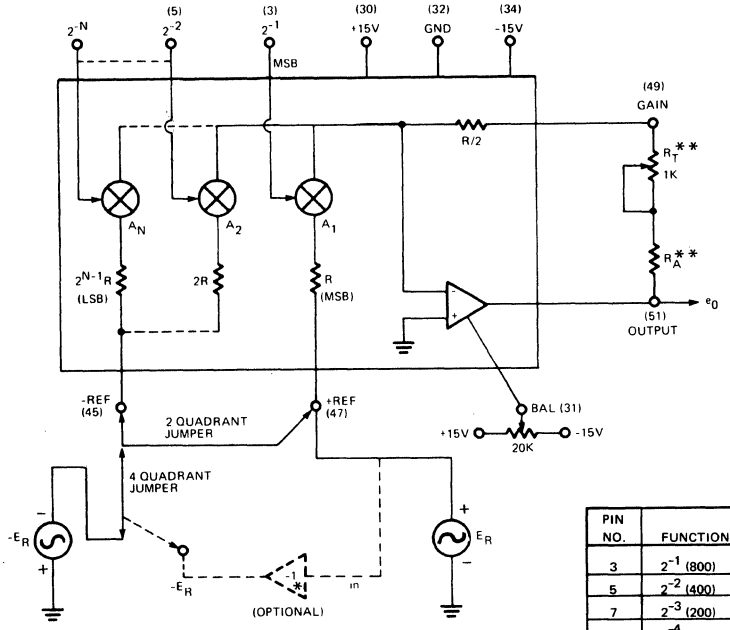


K02-133



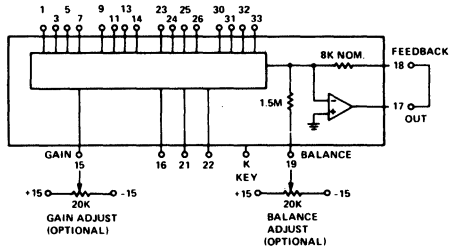


K02-134

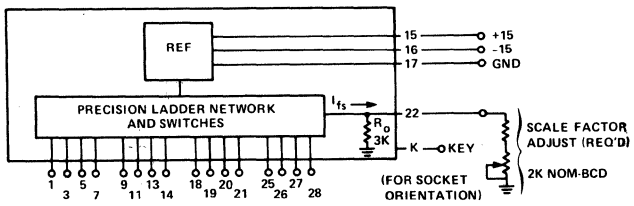


PIN NO.	FUNCTION	PIN NO.	FUNCTION
3	2^{-1} (800)	23	2^{-11} (2)
5	2^{-2} (400)	25	2^{-12} (1)
7	2^{-3} (200)	30	+15 VDC
9	2^{-4} (100)	31	BALANCE
11	2^{-5} (80)	32	GRD
13	2^{-6} (40)	34	-15 VDC
15	2^{-7} (20)	45	-REF
17	2^{-8} (10)	47	+REF
19	2^{-9} (8)	49	GAIN
21	2^{-10} (4)	51	OUT

K02-135

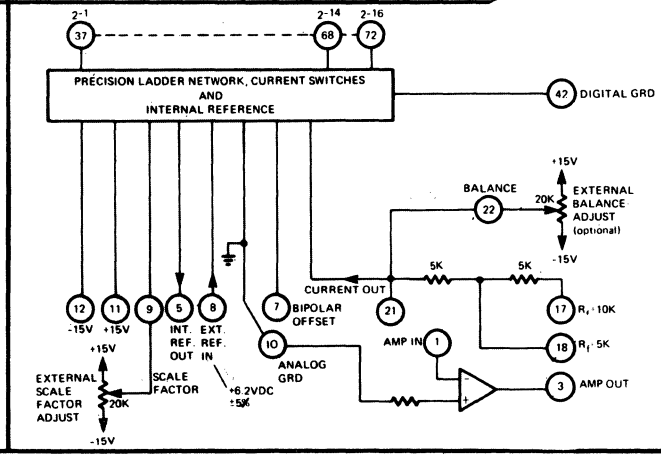


K02-136

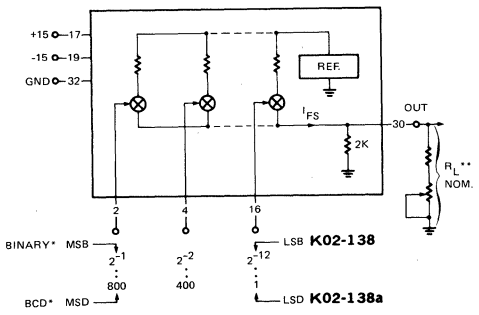


K02-137

PIN	FUNCTION
1	AMP IN
3	AMP OUT
5	REF OUT
7	BIPOLAR
8	REF IN
9	SCALE FACTOR
10	ANALOG GRD
11	+15V
12	-15V
17	10K
18	5K
21	I OUT
22	BAL
37	2^{-1}
40	2^{-2}
42	DIGITAL GRD
43	2^{-3}
49	2^{-4}
51	2^{-5}
53	2^{-6}
55	2^{-7}
57	2^{-8}
59	2^{-9}
61	2^{-10}
63	2^{-11}
65	2^{-12}
66	2^{-13}
68	2^{-14}
70	2^{-15}
72	2^{-16}

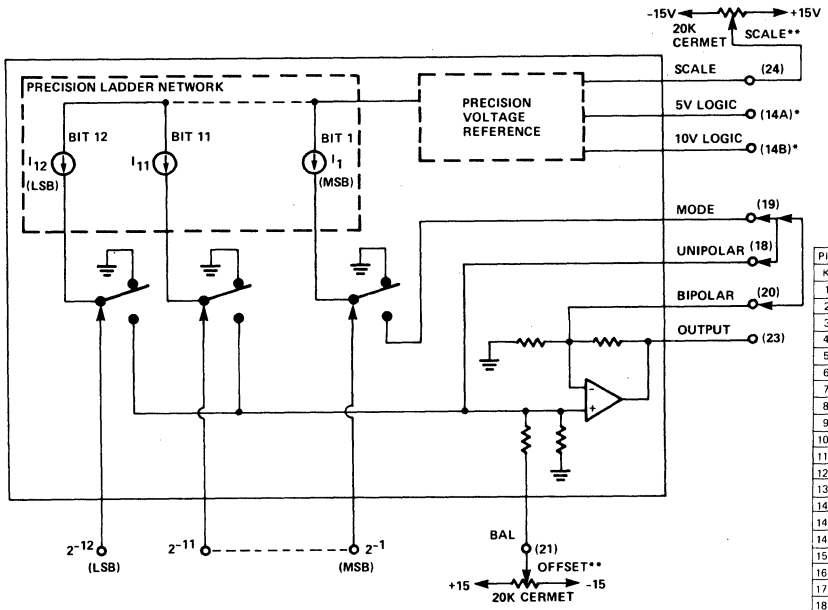


K02-138



PIN	K02-138	K02-138a
1	N/C	N/C
2	2^{-1} (MSB)	800 (MSD)
3	N/C	N/C
4	2^{-2}	400
5	N/C	N/C
6	N/C	N/C
7	2^{-3}	200
8	2^{-4}	100
9	2^{-5}	80
10	2^{-6}	40
11	2^{-7}	20
12	2^{-8}	10
13	2^{-9}	8
14	2^{-10}	4
15	2^{-11}	2
16	2^{-12} (LSB)	1 (LSD)
17	+15V	+15V
19	-15V	-15V
30	OUTPUT	OUTPUT
32	GROUND	GROUND

K02-139

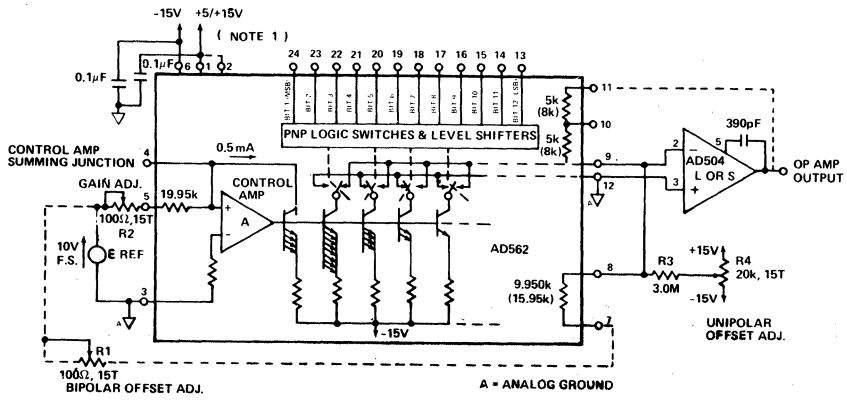


* Ground 14A for 5V LOGIC
Ground 14B for 10V LOGIC

** Optional — make no connection if unused.

PIN	FUNCTION
K	KEY
1	2^{-1}
2	NC
3	2^{-2}
4	NC
5	2^{-3}
6	NC
7	2^{-4}
8	NC
9	2^{-5}
10	NC
11	2^{-6}
12	2^{-7}
13	2^{-8}
14	2^{-9}
14A	5V LOGIC
14B	10V LOGIC
15	2^{-10}
16	2^{-11}
17	2^{-12}
18	UNIPOLAR
19	MODE CONTROL
20	BIPOLAR
21	BALANCE
22	NC
23	OUTPUT
24	SCALE FACTOR
25	NC
26	-15V
27	GRD
28	+15V

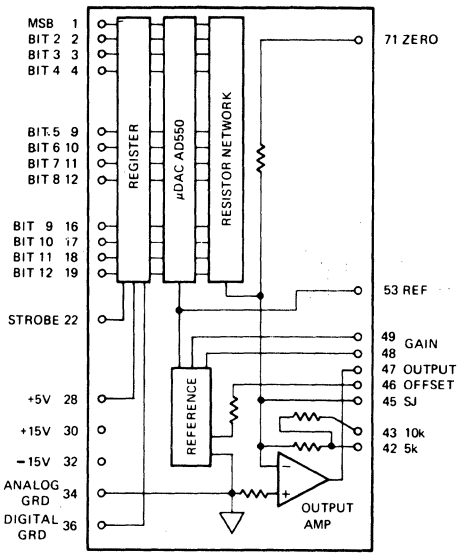
K02-140



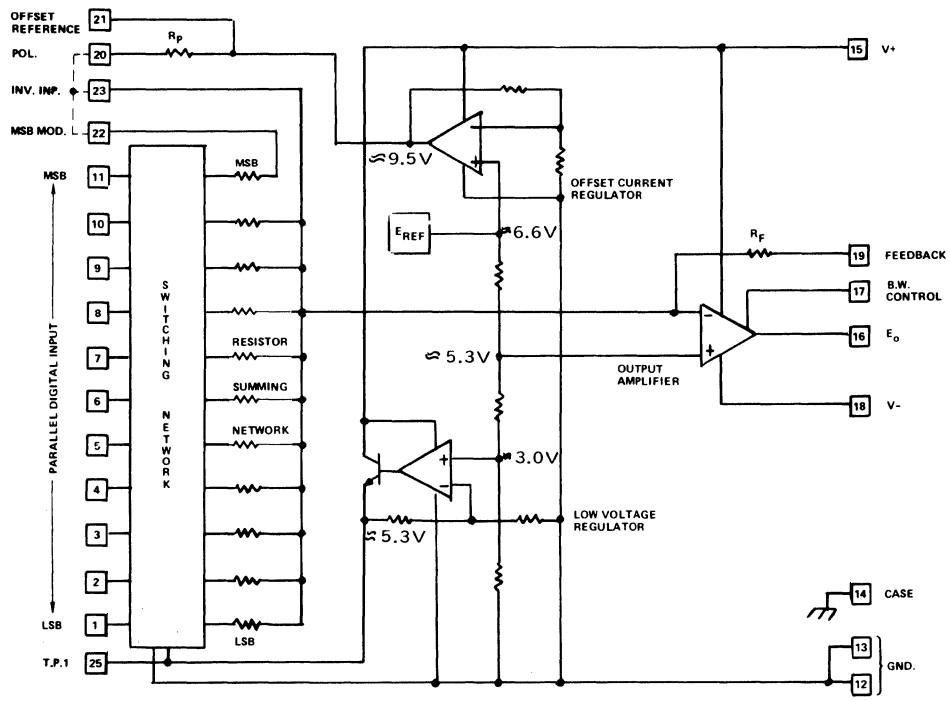
NOTE 1.
- A. FOR TTL AND DTL COMPATIBILITY, CONNECT +5 VOLTS TO PIN 1 AND LEAVE PIN 2 OPEN.
- B. FOR LOW VOLTAGE CMOS COMPATIBILITY, CONNECT +5 VOLTS TO PIN 1 AND SHORT PIN 2 TO PIN 1.
- C. FOR HIGH VOLTAGE CMOS COMPATIBILITY, CONNECT +15 VOLTS TO PIN 1 AND SHORT PIN 2 TO PIN 1.

NOTE 2. RESISTOR VALUES IN PARENTHESES ARE FOR BCD VERSION.

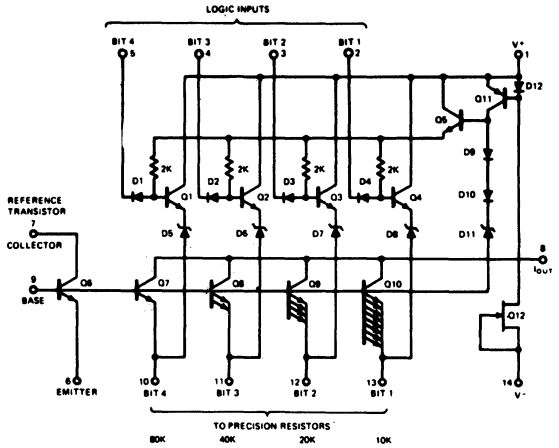
K02-141



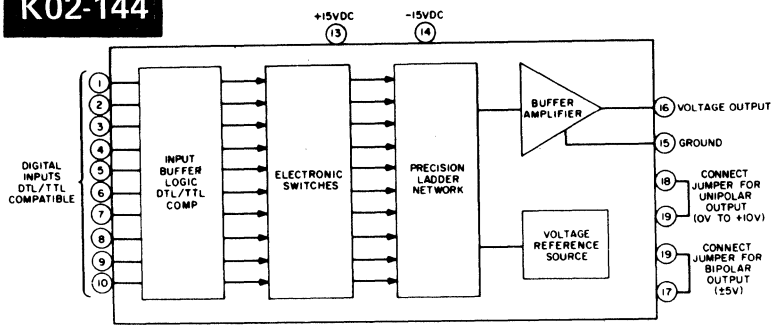
K02-142



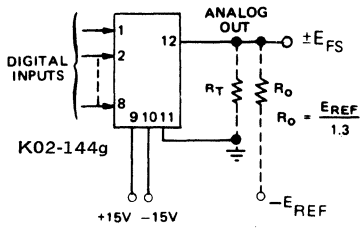
K02-143



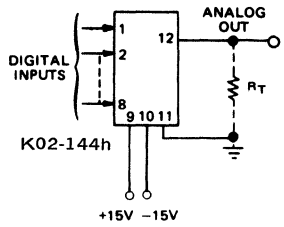
K02-144



K02-144d



K02-144g



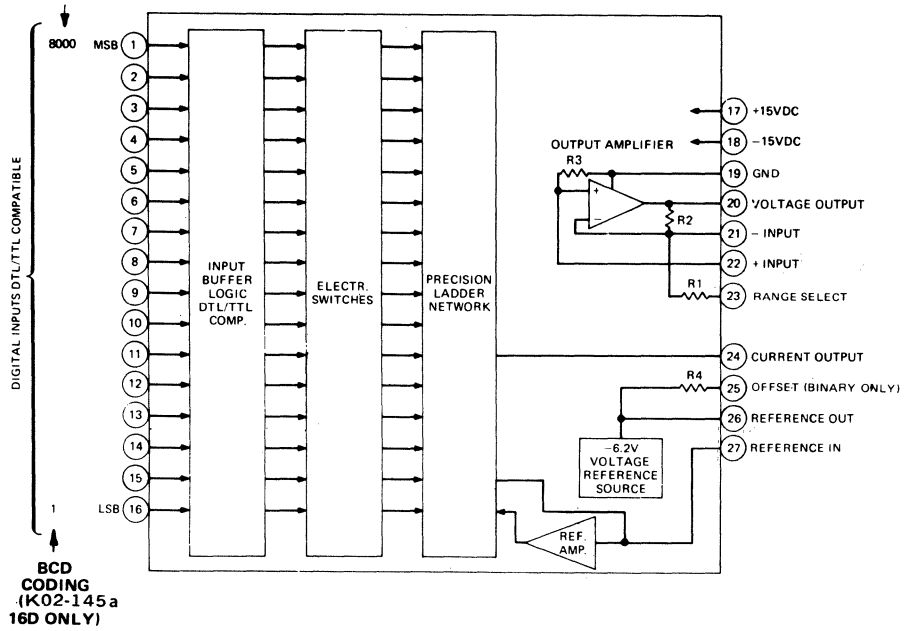
K02-144h

INPUT/OUTPUT CONNECTIONS

PIN	K02-144,g	K02-144a,h	K02-144b	K02-144c	K02-144d	K02-144e	K02-144f
1	BIT 1 (MSB)	BIT 800 (MSB)	BIT 1 (MSB)	BIT 800 (MSB)	BIT 1 (MSB)	BIT 800 (MSB)	BIT 1 (MSB)
2	BIT 2	BIT 400	BIT 2	BIT 400	BIT 2	BIT 400	BIT 2
3	BIT 3	BIT 200	BIT 3	BIT 200	BIT 3	BIT 200	BIT 3
4	BIT 4	BIT 100	BIT 4	BIT 100	BIT 4	BIT 100	BIT 4
5	BIT 5	BIT 80	BIT 5	BIT 80	BIT 5	BIT 80	BIT 5
6	BIT 6	BIT 40	BIT 6	BIT 40	BIT 6	BIT 40	BIT 6
7	BIT 7	BIT 20	BIT 7	BIT 20	BIT 7	BIT 20	BIT 7
8	BIT 8 (LSB)	BIT 10 (LSB)	BIT 8 (LSB)	BIT 10 (LSB)	BIT 8	BIT 10	BIT 8
9	+15V POWER INPUT	+15V POWER INPUT	+15V POWER INPUT	+15V POWER INPUT	BIT 9	BIT 8	BIT 9
10	FULL SCALE TRIM (2)	FULL SCALE TRIM (2)	-15V POWER INPUT	-15V POWER INPUT	BIT 10 (LSB)	BIT 4	BIT 10
11	COMMON GROUND	COMMON GROUND	COMMON GROUND	COMMON GROUND	NOT USED	BIT 2	BIT 11
12	ANALOG OUTPUT	ANALOG OUTPUT	ANALOG OUTPUT	ANALOG OUTPUT	NOT USED	BIT 1 (LSB)	BIT 12 (LSB)
13	NOT USED	NOT USED	- IN (SEE NOTE 1)	NOT USED	+15V POWER INPUT	+15V POWER INPUT	+15V POWER INPUT
14	NOT USED	NOT USED	+ IN (SEE NOTE 1)	NOT USED	-15V POWER INPUT	-15V POWER INPUT	-15V POWER INPUT
15	NOT USED	NOT USED	OFFSET (SEE NOTE 1)	NOT USED	COMMON GROUND	COMMON GROUND	COMMON GROUND
16	NOT USED	NOT USED	NO CONNECTION	NO CONNECTION	ANALOG OUTPUT	ANALOG OUTPUT	ANALOG OUTPUT
17	NOT USED	NOT USED	NOT USED	NOT USED	- IN (SEE NOTE 1)	NOT USED	- IN (SEE NOTE 1)
18	NOT USED	NOT USED	NOT USED	NOT USED	+ IN (SEE NOTE 1)	NOT USED	+ IN (SEE NOTE 1)
19	NOT USED	NOT USED	NOT USED	NOT USED	OFFSET (SEE NOTE 1)	NOT USED	OFFSET (SEE NOTE 1)
20	NOT USED	NOT USED	NOT USED	NOT USED	NO CONNECTION	NO CONNECTION	NO CONNECTION

NOTE 1: NOT USED ON CURRENT OUTPUT MODELS NOTE 2: CONNECT PIN 10 OF K02-144g AND K02-144h ONLY TO -15V POWER

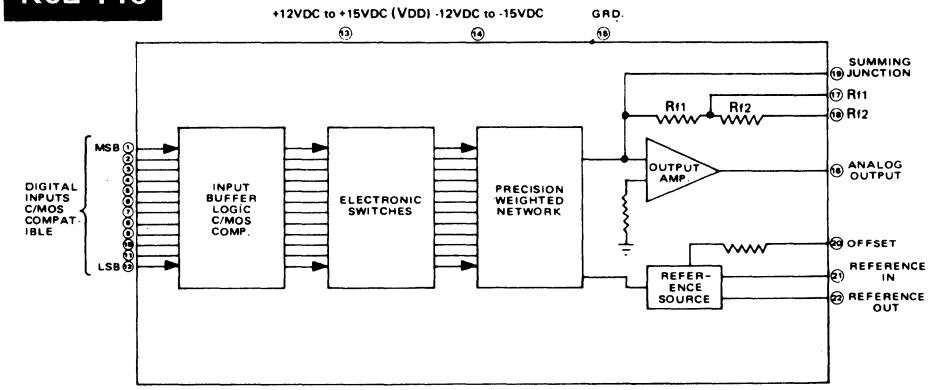
K02-145



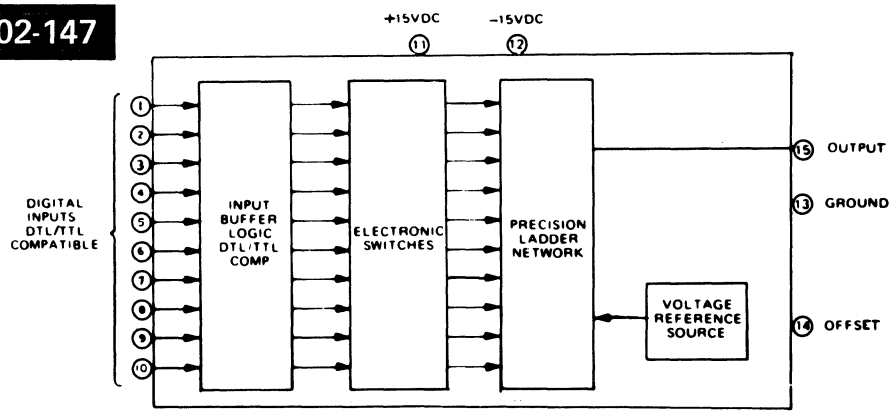
BCD CODING (K02-145a 16D ONLY)

	R1	R2	R3	R4
K02-145	555Ω	5K	555Ω	6K
K02-145a	889Ω	8K	952Ω	N.U.

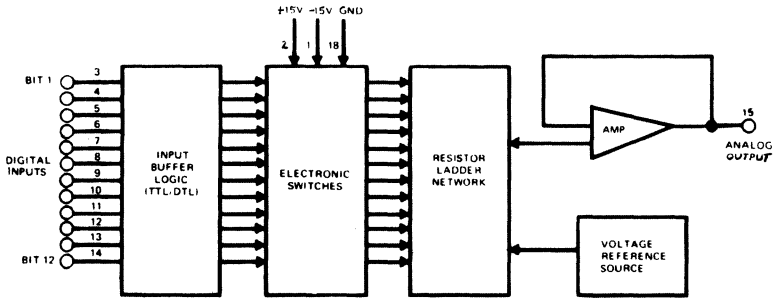
K02-146



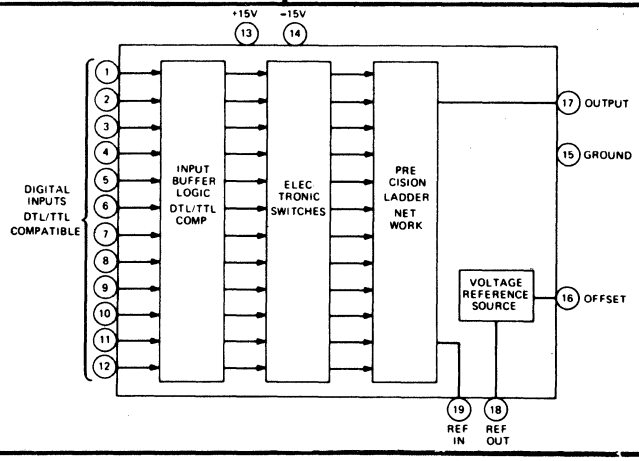
K02-147



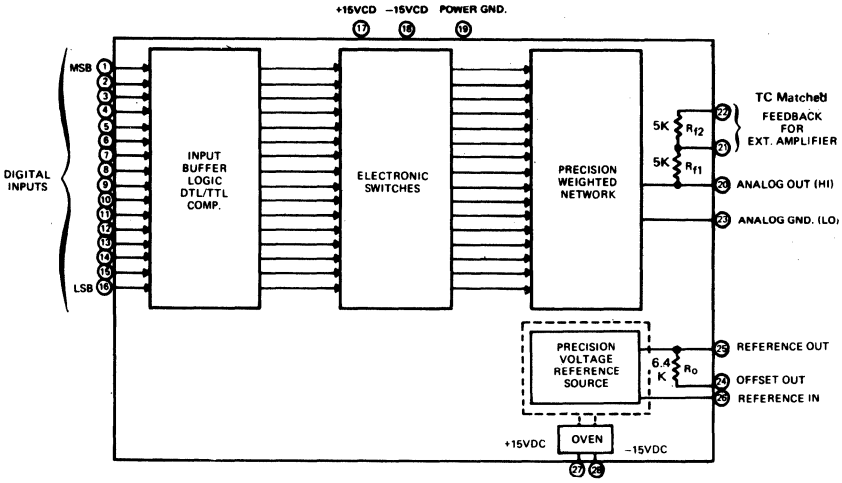
K02-148



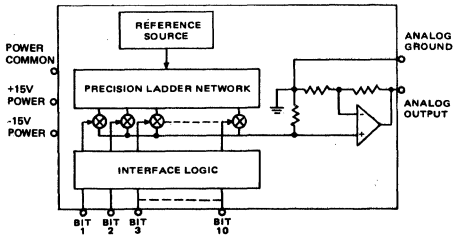
K01-149



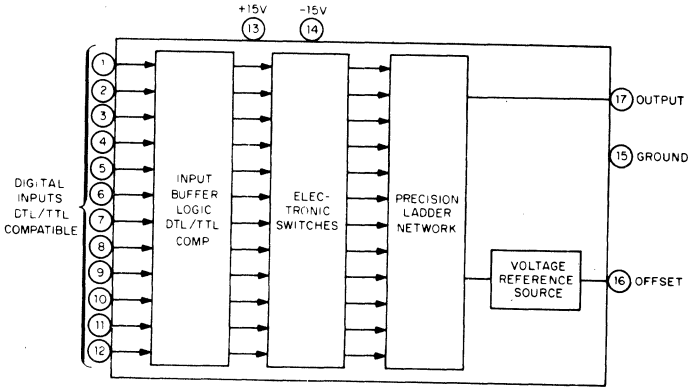
K02-150



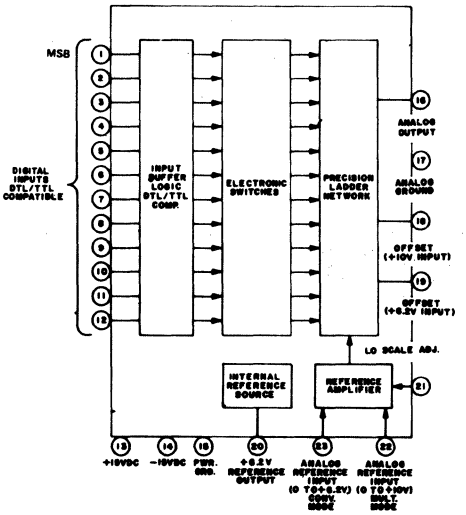
K02-151



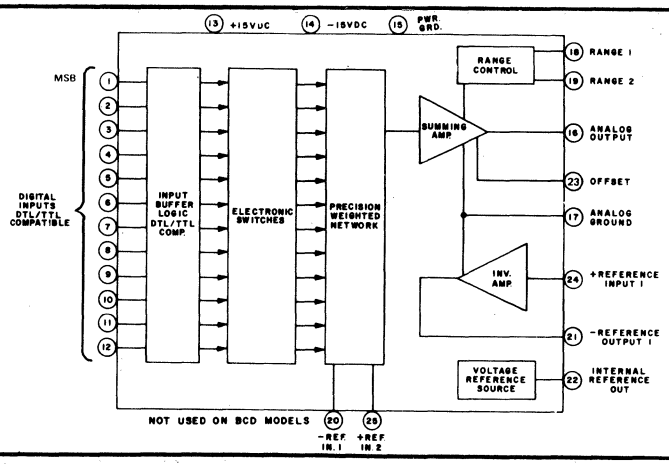
K02-152



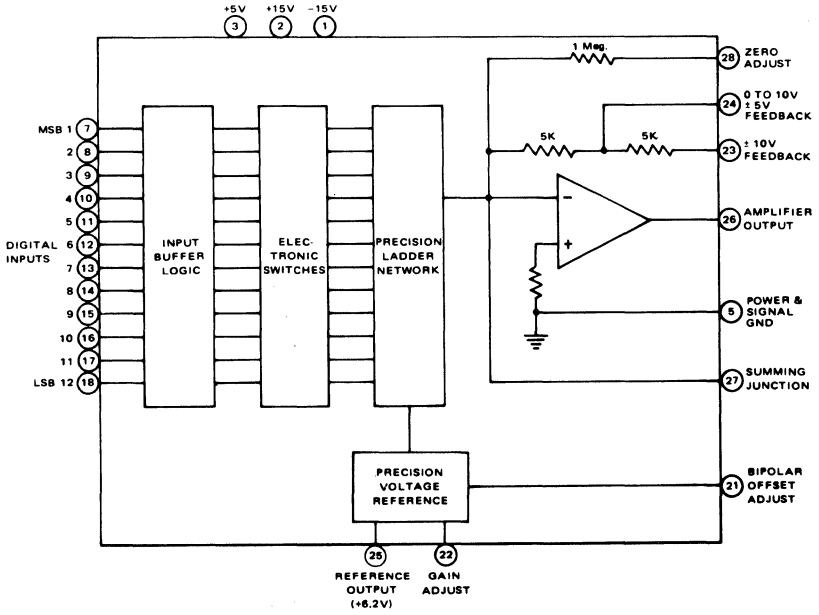
K02-153



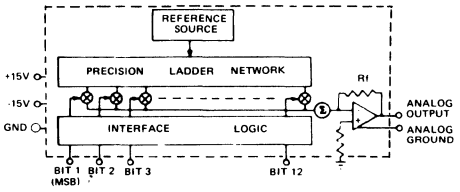
K02-154



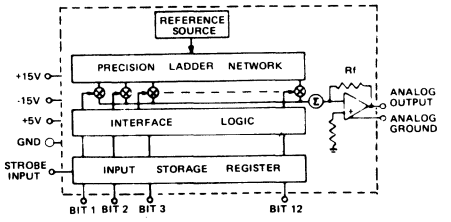
K02-155



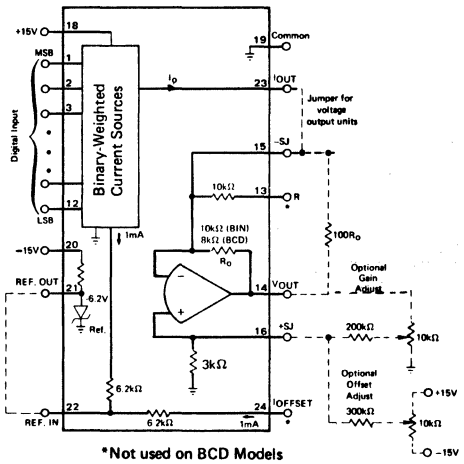
K02-156



K02-157



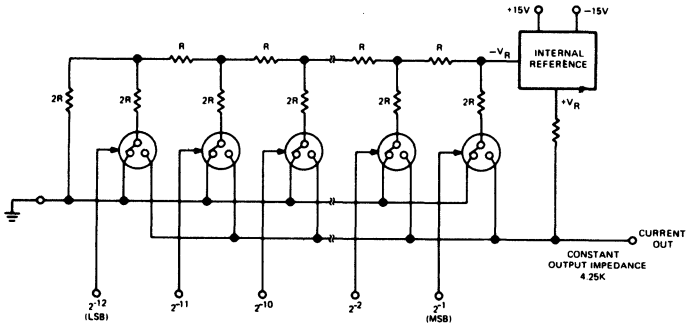
K02-158



*Not used on BCD Models

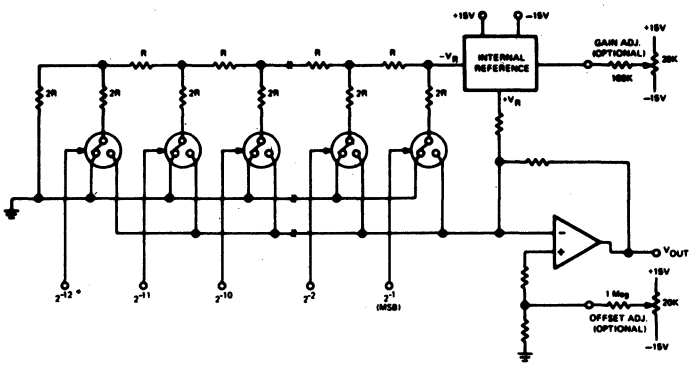
K02-159

PIN NO.	FUNCTION
1	2^{-1} (MSB)
2	2^{-2}
3	2^{-3}
4	2^{-4}
5	2^{-5}
6	2^{-6}
7	2^{-7}
8	2^{-8}
9	2^{-9}
10	2^{-10}
11	2^{-11}
12	2^{-12} (LSB)
13	GRD
14	OUT
15	B–
16	B+

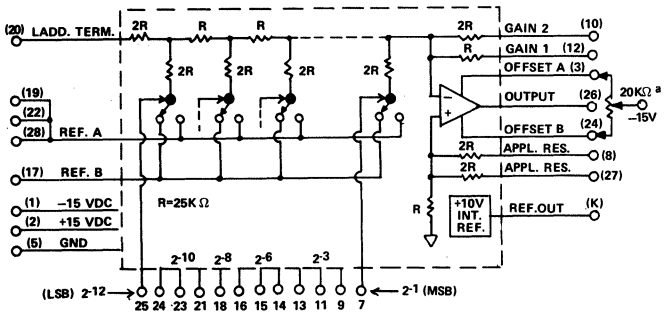


K02-160

PIN NO.	FUNCTION
1	MSB
2	BIT 2
3	BIT 3
4	BIT 4
5	BIT 5
6	BIT 6
7	SCALE FACTOR ADJ.
8	OFFSET ADJ.
9	+15V
10	–15V
11	GND
12	OUTPUT
13	BIT 7
14	BIT 8
15	BIT 9
16	BIT 10
17	BIT 11
18	LSB



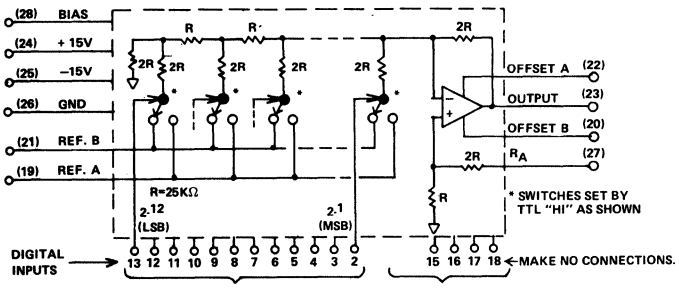
K02-161



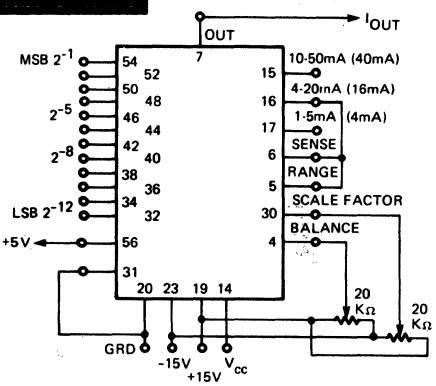
A. OPTIONAL – MAKE NO CONNECTION TO PINS (3) AND (24) IF UNUSED.

B. LOGIC CONVENTION:
TTL "LO" CONNECTS LADDER SWITCHES TO REF. A
TTL 'HI" CONNECTS LADDER SWITCHES TO REF. B.

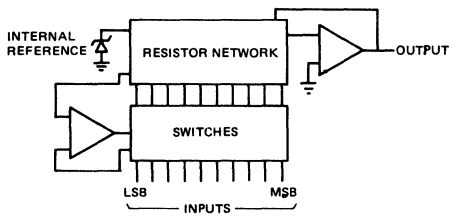
K02-162



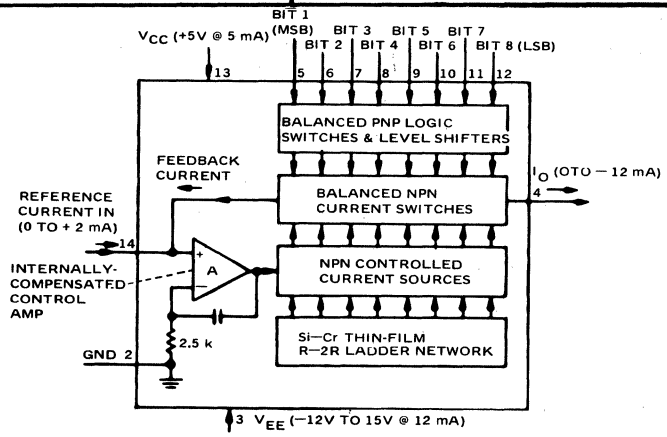
K02-163



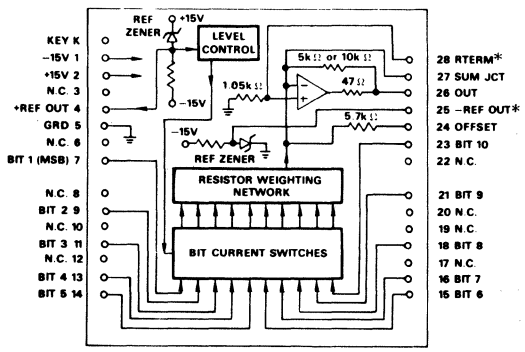
K02-164



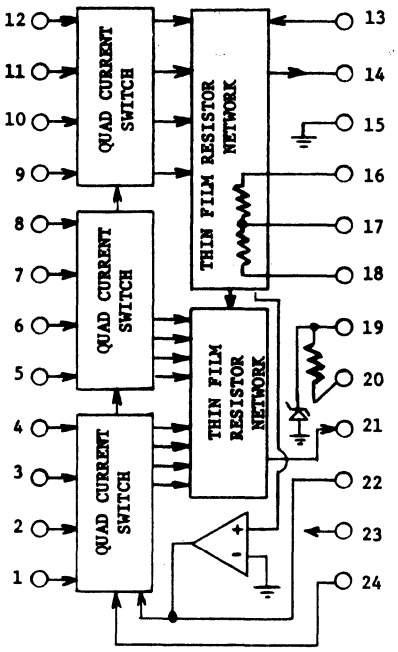
K02-165



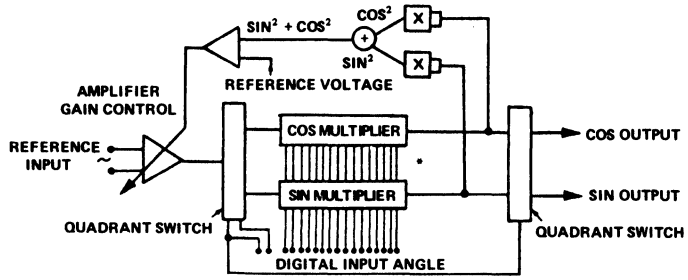
K02-166



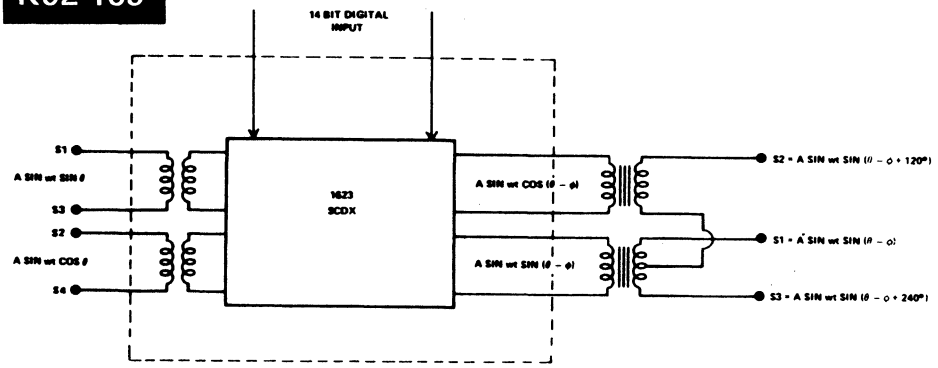
K02-167



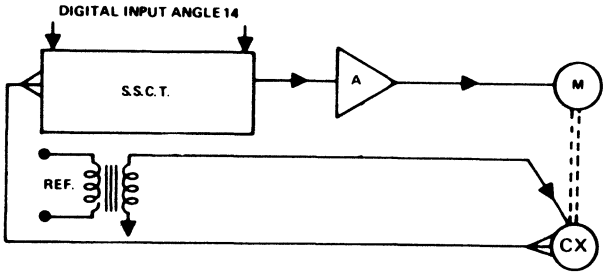
K02-168

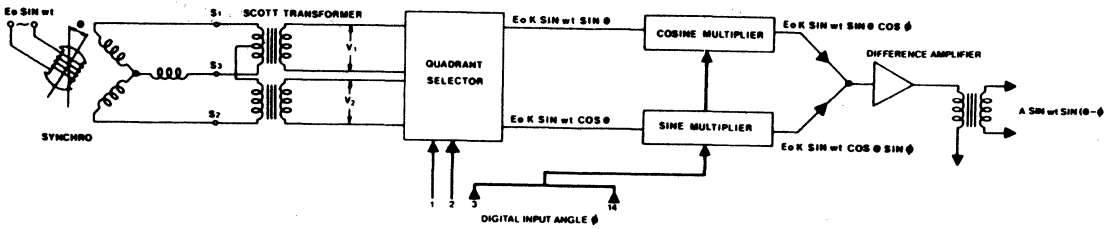


K02-169



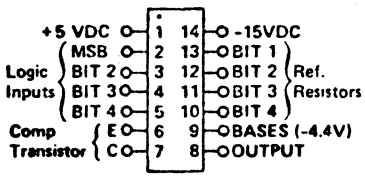
K02-170



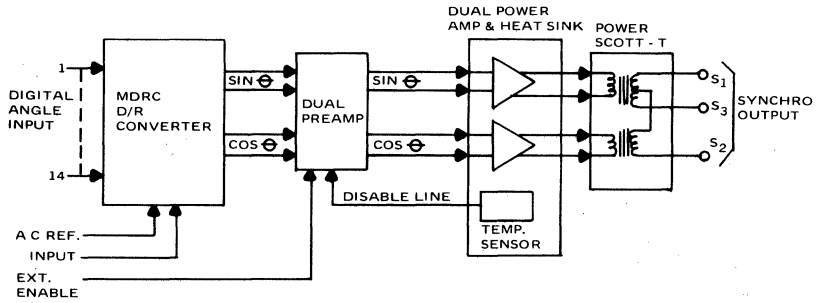


K02-171

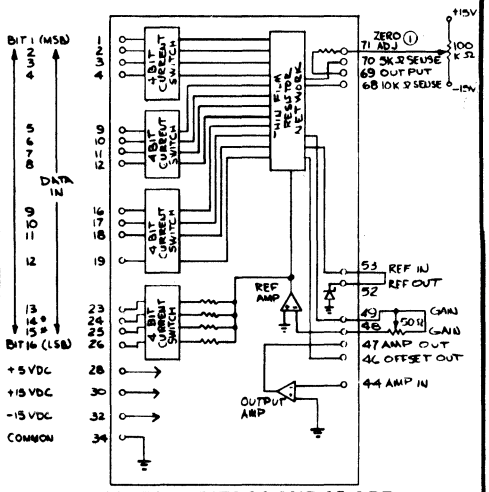
PIN CONNECTIONS



K02-172

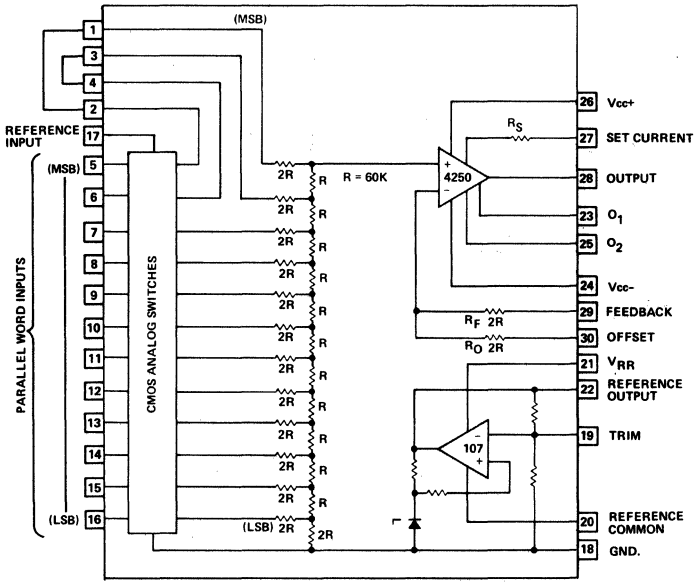


K02-173

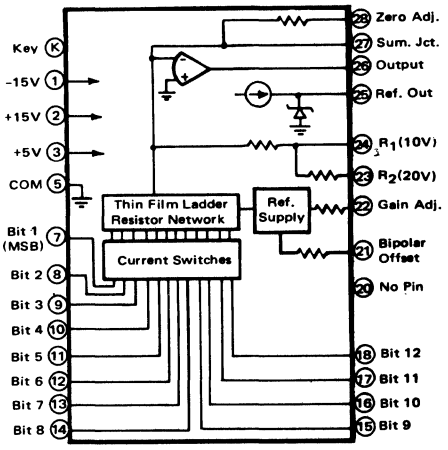


K02-173a — BITS 14 AND 15 ARE NOT CONNECTED.

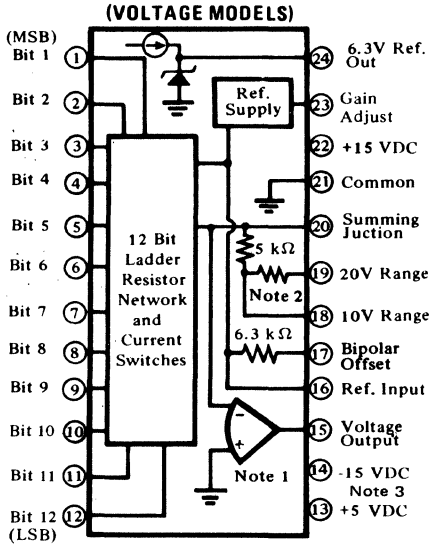
K02-174



K02-178



K02-179

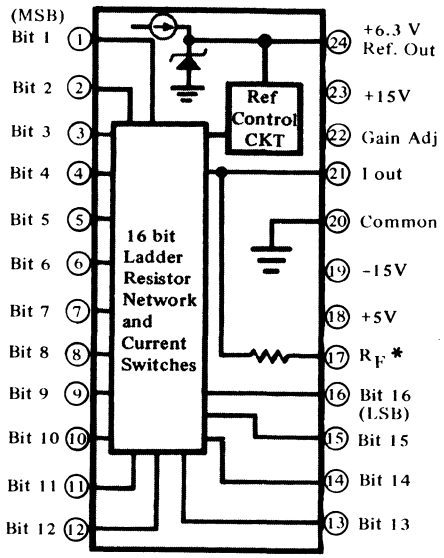


Note 1: Amplifier not included in current output models.

Note 2: 3 kΩ for CCD models
5 kΩ for CBI models

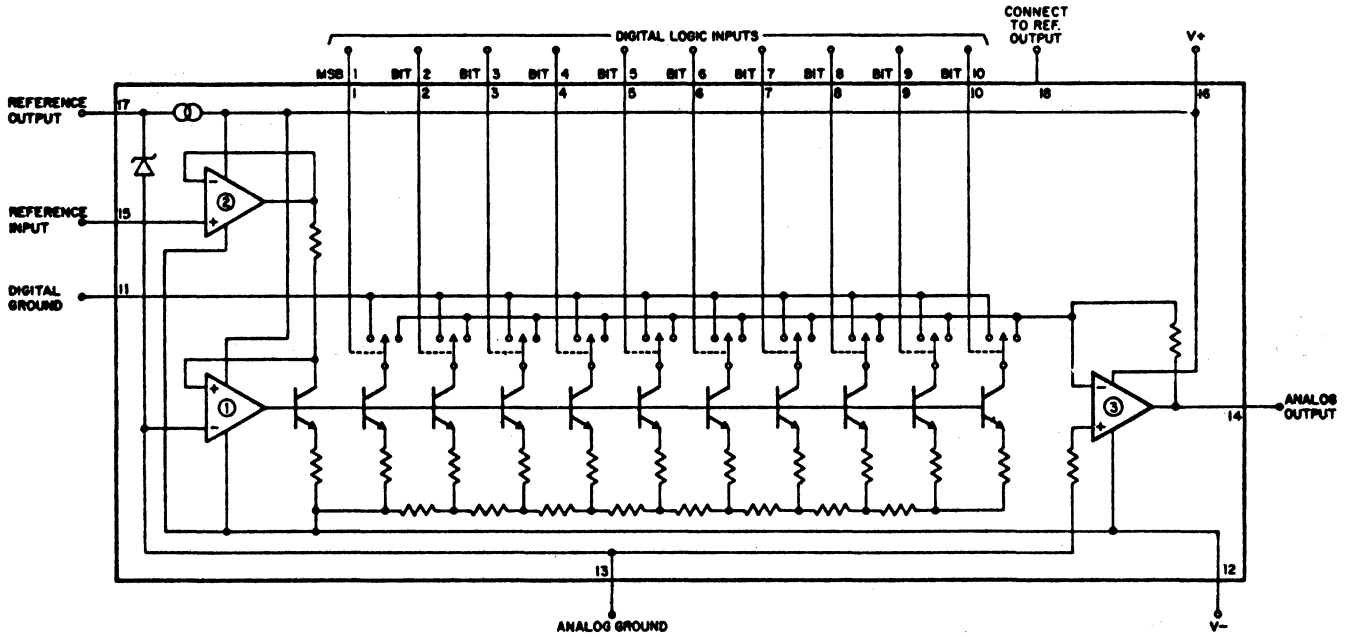
Note 3: +5V supply input may be connected to +15V supply if +5V supply is not available. This will increase internal power dissipation by 200 mW.

K02-180

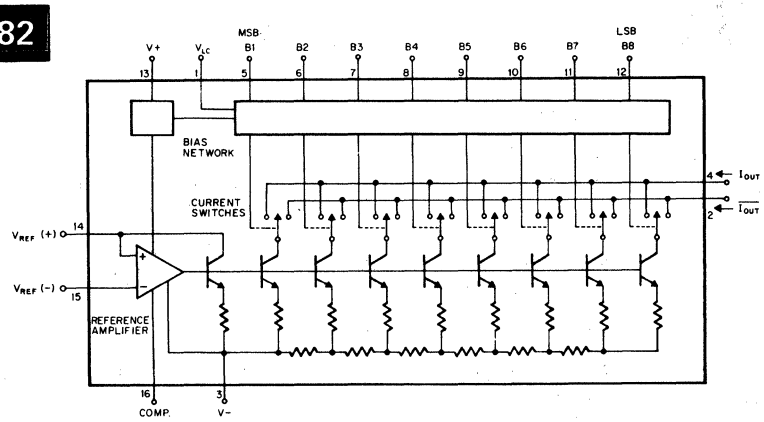


* R_F = 5k (CSB)
10k (COB)
8k (CCD)

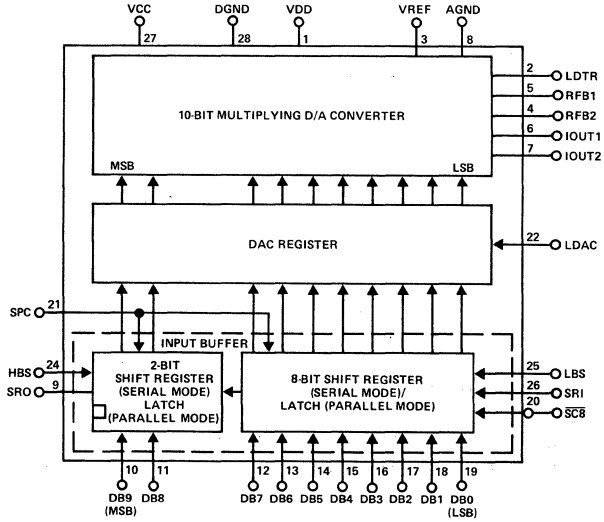
K02-181



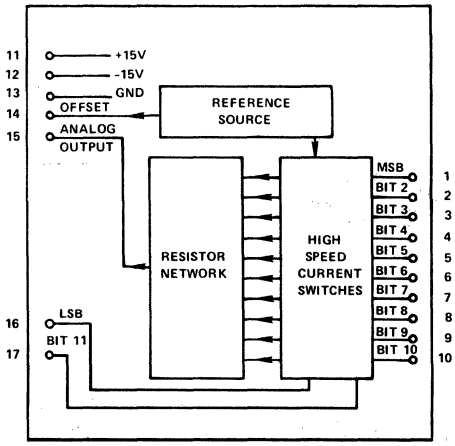
K02-182



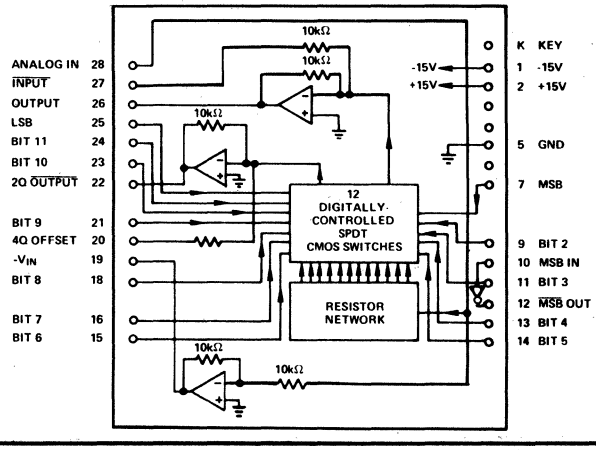
K02-183



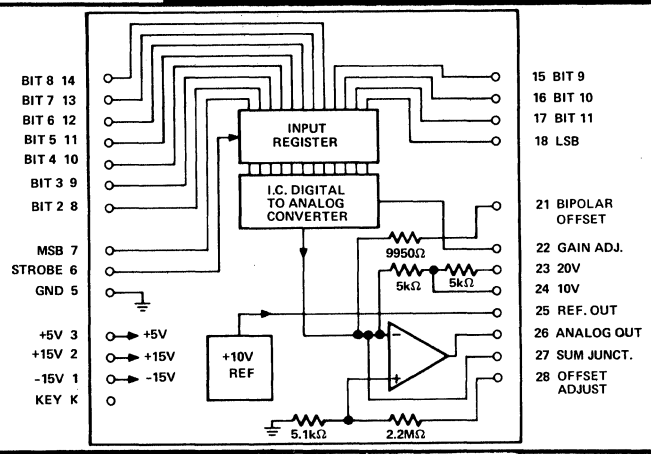
K02-184



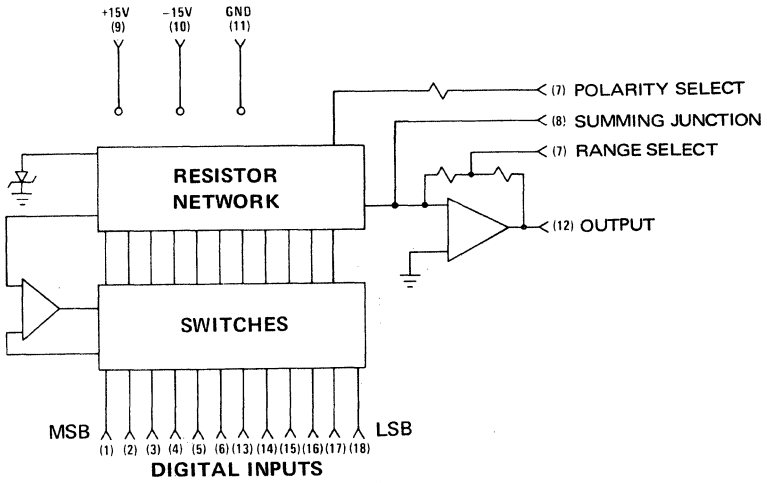
K02-185



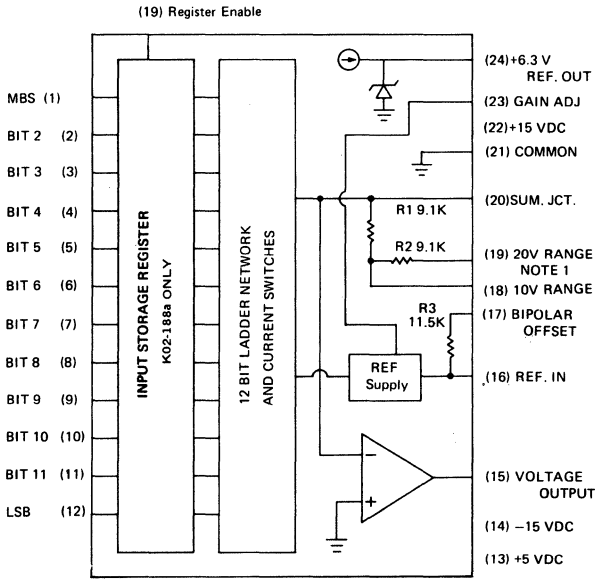
K02-186



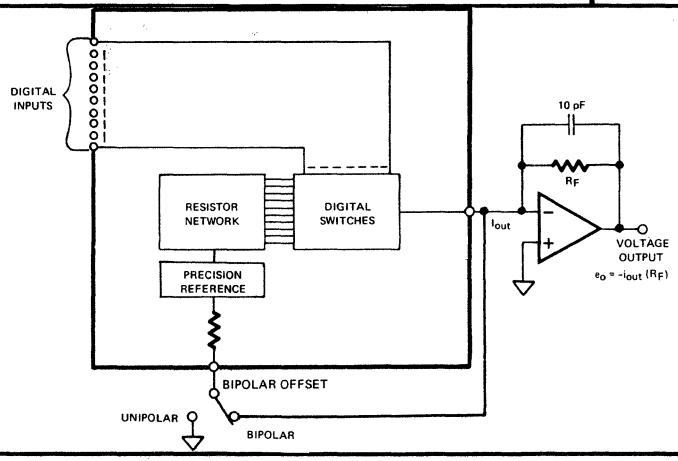
K02-187



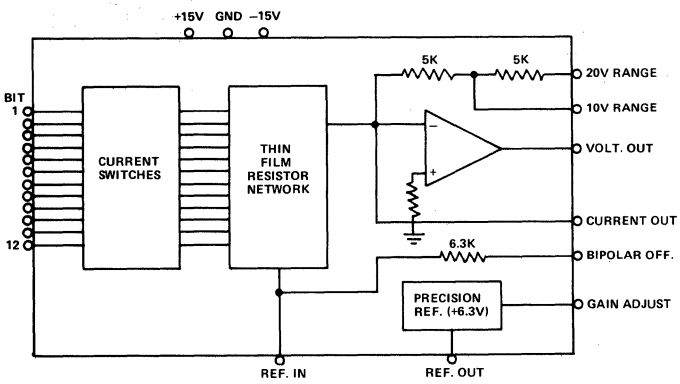
K02-188



K02-189

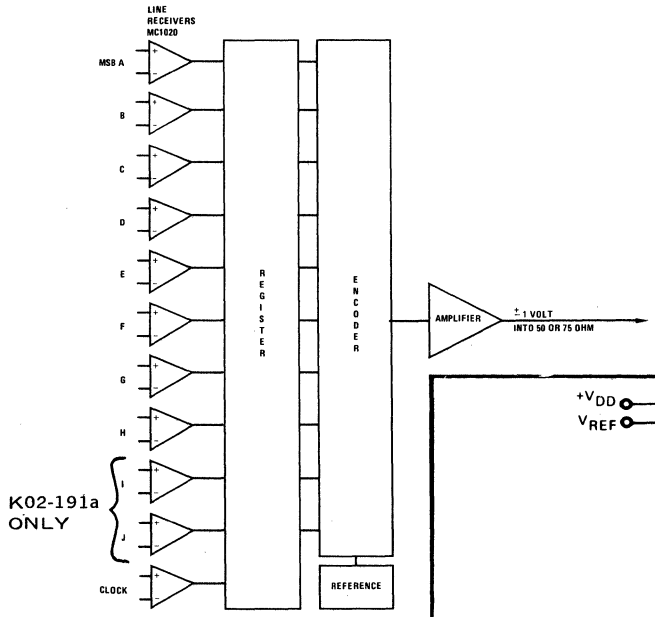


K02-190

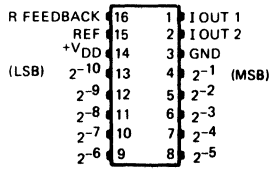


PIN	FUNCTION	PIN	FUNCTION
1	BIT 1 IN	13	NO CONN.
2	BIT 2 IN	14	−15 VDC
3	BIT 3 IN	15	VOLT.OUT
4	BIT 4 IN	16	REF.IN
5	BIT 5 IN	17	BIPOLAR OFF.
6	BIT 6 IN	18	10V RANGE
7	BIT 7 IN	19	20V RANGE
8	BIT 8 IN	20	CURRENT OUT
9	BIT 9 IN	21	GROUND
10	BIT 10 IN	22	+15 VDC
11	BIT 11 IN	23	GAIN ADJ.
12	BIT 12 IN	24	REF.OUT

K02-191

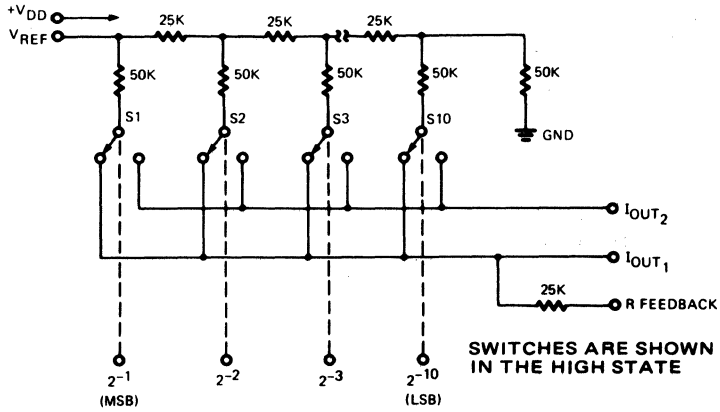


K02-192



BOTTOM VIEW

GROUND PINS 12 & 13 FOR 8 BIT OPERATION

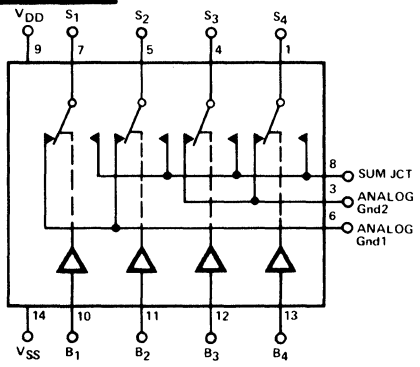


SWITCHES ARE SHOWN IN THE HIGH STATE

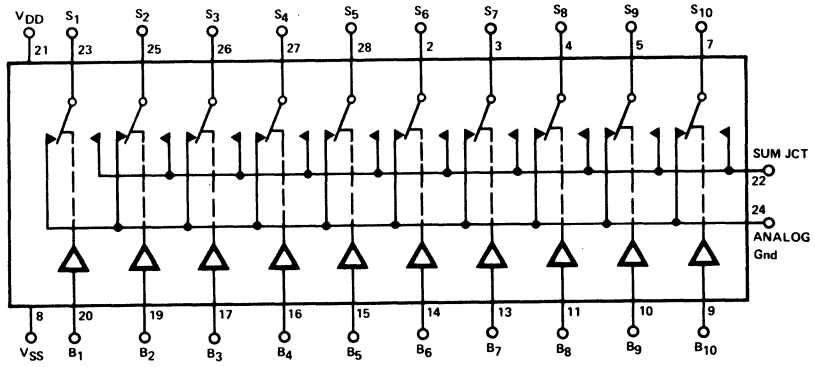
K02-193

PIN NUMBER	FUNCTION BINARY	FUNCTION BCD
1	2-1(MSB)	0.8
2	2-2	0.4
3	2-3	0.2
4	2-4	0.1
5	2-5	0.08
6	2-6	0.04
7	2-7	0.02
8	2-8(LSB)	0.01
9	+5VDC	+5VDC
15	OUT	OUT
16	GRD	GRD

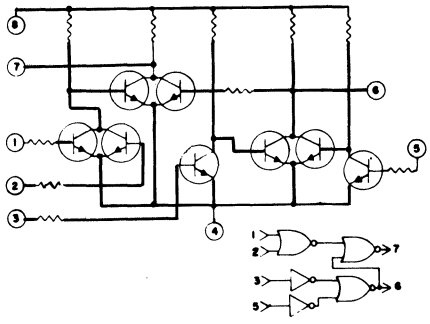
K02-194



K02-195

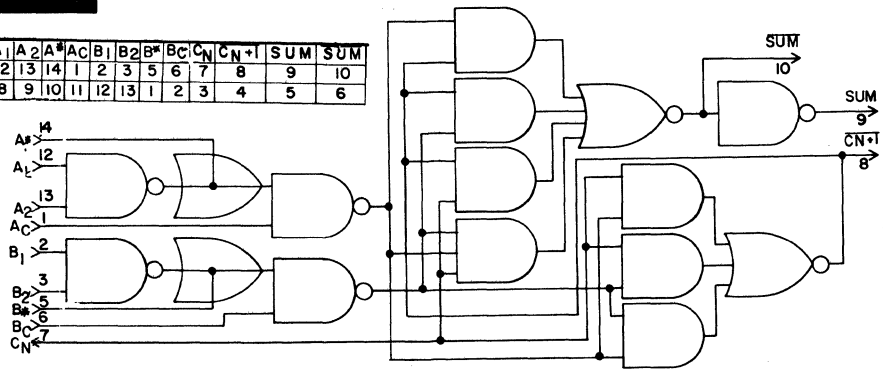


K03-11

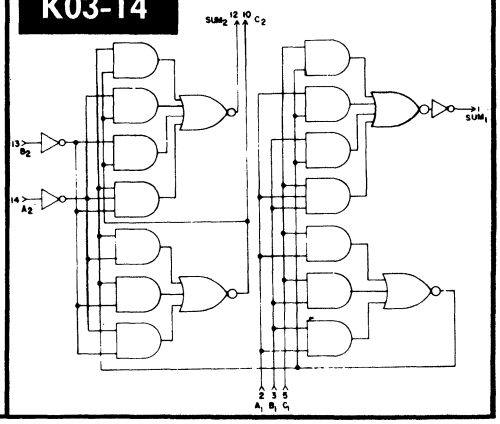


K03-13

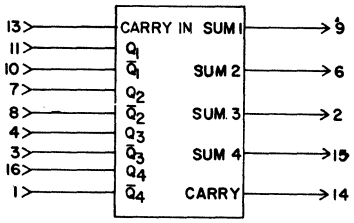
	A1	A2	A*	AC	B1	B2	B*	BC	CN	CN+1	SUM	SUM
FP	12	13	14	1	2	3	5	6	7	8	9	10
MP	8	9	10	11	12	13	1	2	3	4	5	6



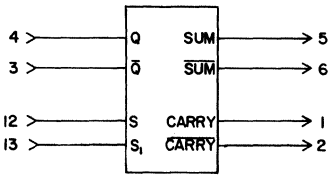
K03-14



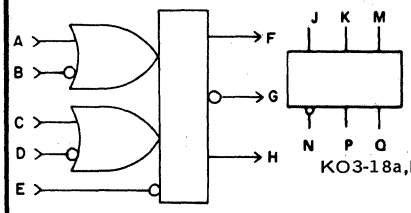
K03-15



K03-17



K03-18

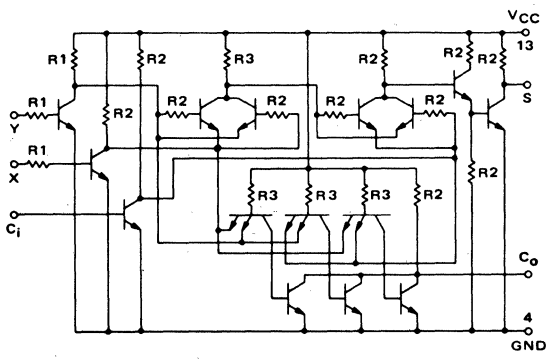


KO3-18a,b ONLY

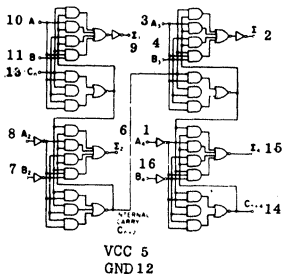
	CKT.NO.	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
K03-18	1	2		3		4	5	7	6						
	2	14	1	13	15	12	11	9	10						
K03-18a	1	41	49	38	37	39	44	40	42	48	50	47	45	46	43
	2	23	31	20	19	21	26	22	24	30	32	29	27	28	25
	3	7	15	4	3	5	10	6	8	14	16	13	11	12	9
K03-18b	1	14	1	13	15	12	11	9	10	4	3	2	6	7	5

K03-19

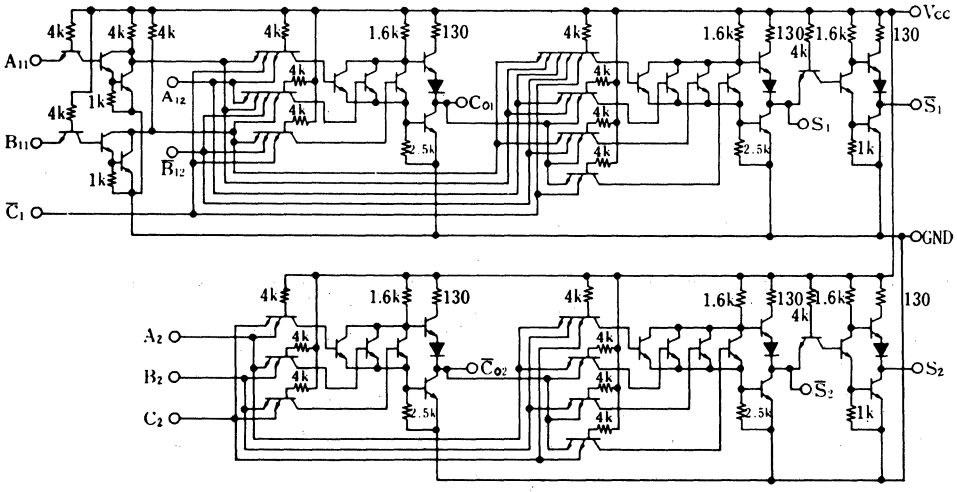
CKT	X	Y	S	Cin	Cout
1	14	15	1	16	6
2	12	11	10	16	6
3	2	3	5	16	6
4	9	8	7	16	6



K03-20



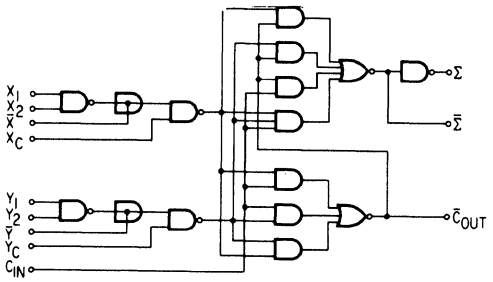
K03-21



CKT NO	A_{11}	$\bar{A}_{12}$	B_{11}	$\bar{B}_{12}$	$\bar{C}_1$	C_{01}	$\bar{S}_1$	S_1	V_{CC}	COM
1	14	1	13	15	12	11	9	10	16	8

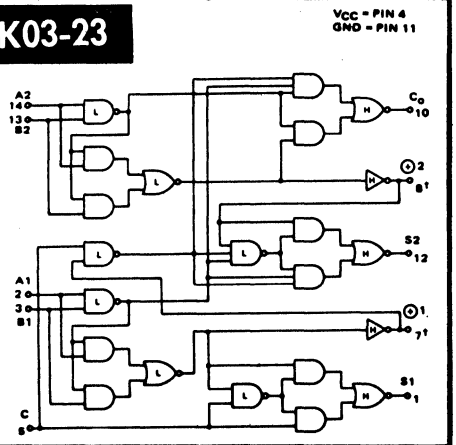
CKT NO	A_2	B_2	C_2	$\bar{C}_{02}$	S_2	$\bar{S}_2$	V_{CC}	COM
2	2	3	4	6	7	6	16	8

K03-22

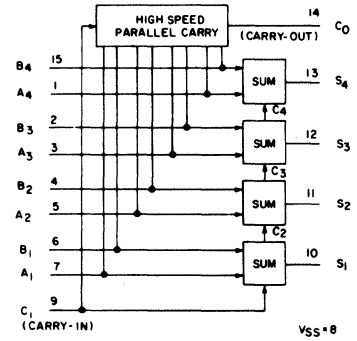


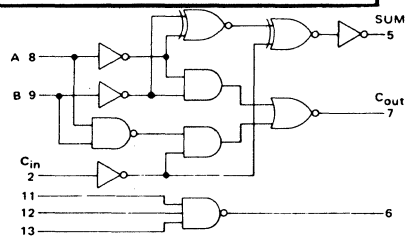
	PKG	X	YC	CIN	COUT	E	Ē	X1	X2	X	XC	Y1	Y2	VCC	GND
K03-22	MP	1	2	3	4	5	6	8	9	10	1	1	13	14	7
	FP	5	6	7	8	9	10	12	13	14	1	2	3	4	11
K03-22a		1	2	3	4	5	6	8	9	10	11	12	13	7	14

K03-23



K03-26

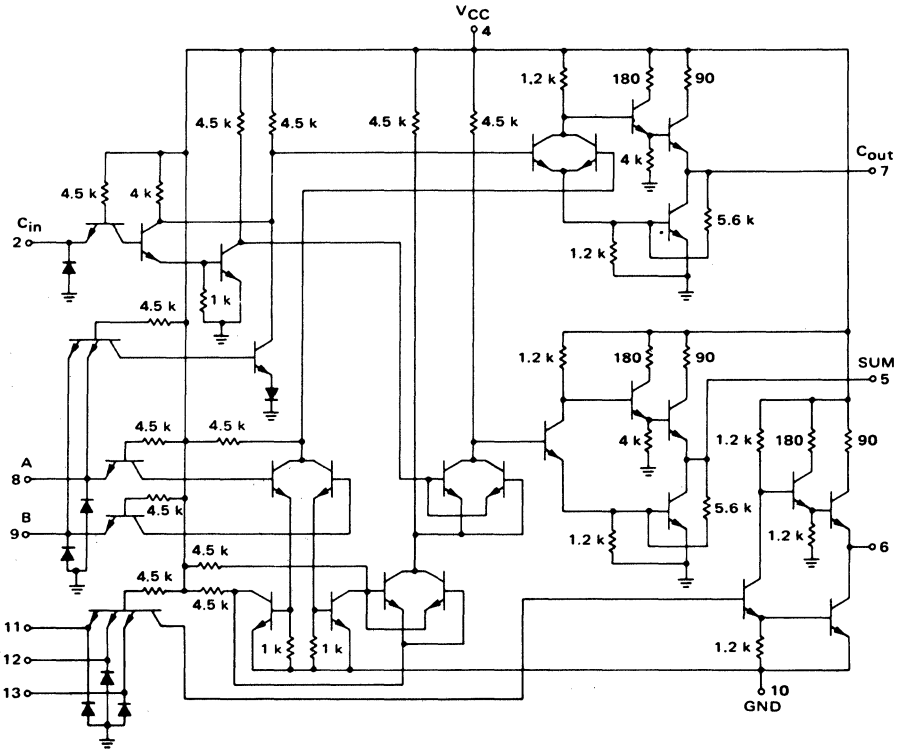




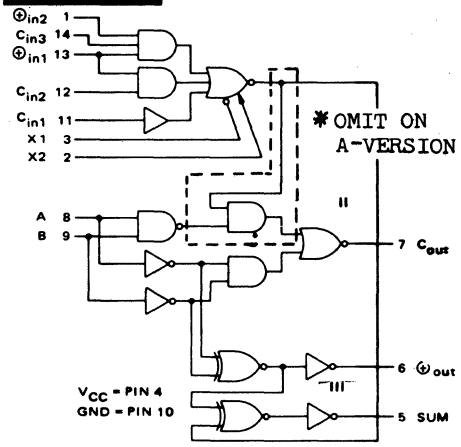
Input Loading Factor:
A, B 2
C_{in}, Pins 11, 12, 13 = 1

Output Loading Factor:
MC4326 15 MTTL I Loads
MC4327 7 MTTL I Loads
MC4026 12 MTTL I Loads
MC4027 6 MTTL I Loads

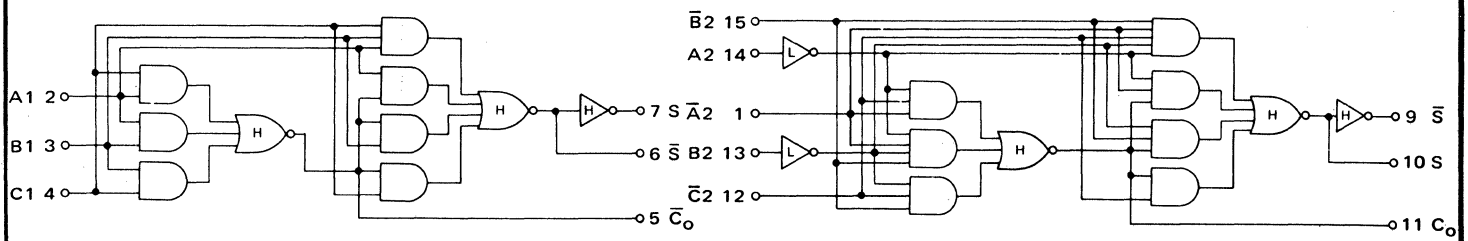
K03-28



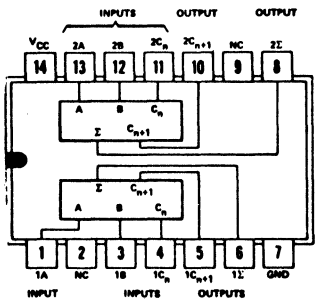
K03-29

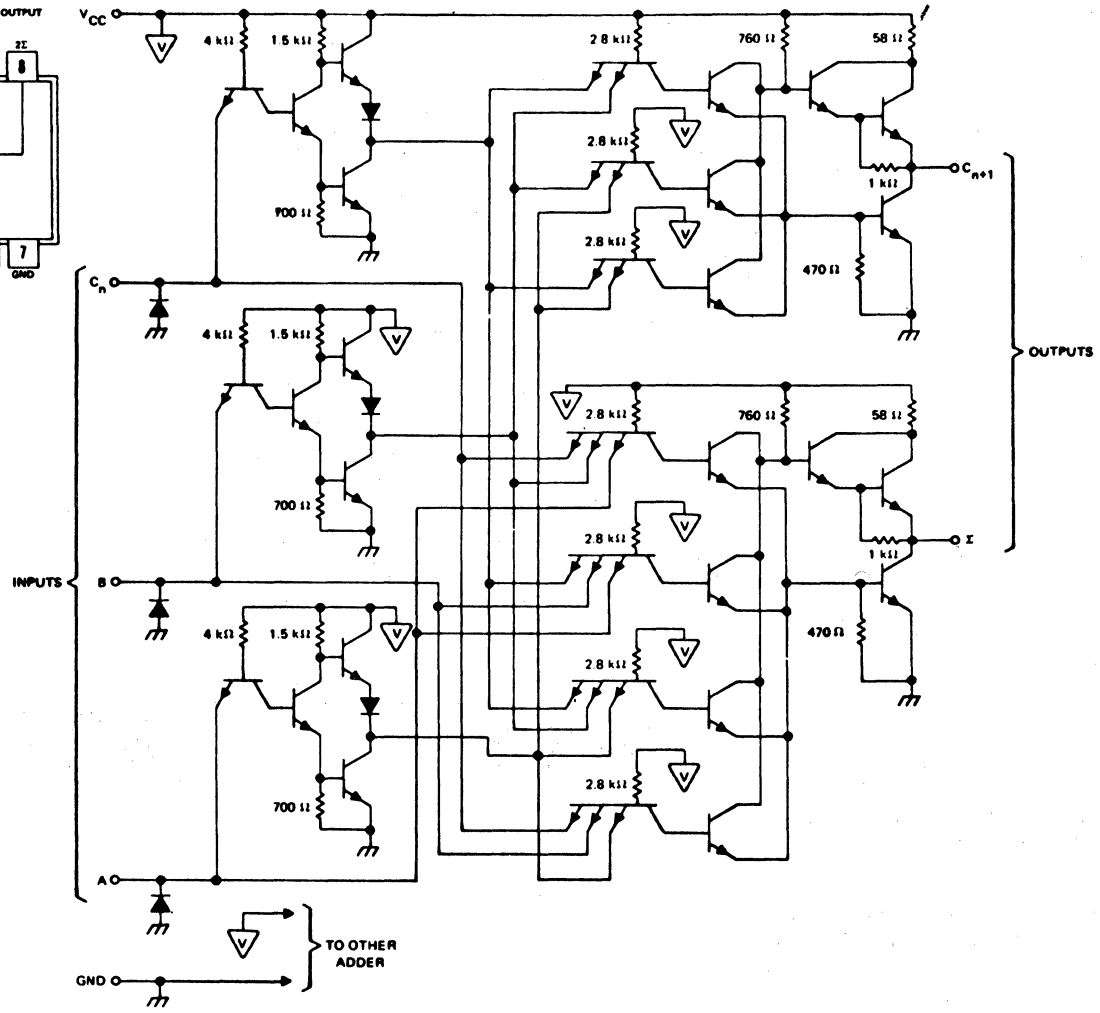


K03-31


A1 2
B1 3
C1 4
7 S
6 S̄
5 C̄o
B̄2 15
A2 14
Ā2 1
B2 13
C̄2 12
9 S̄
10 S
11 Co

K03-32

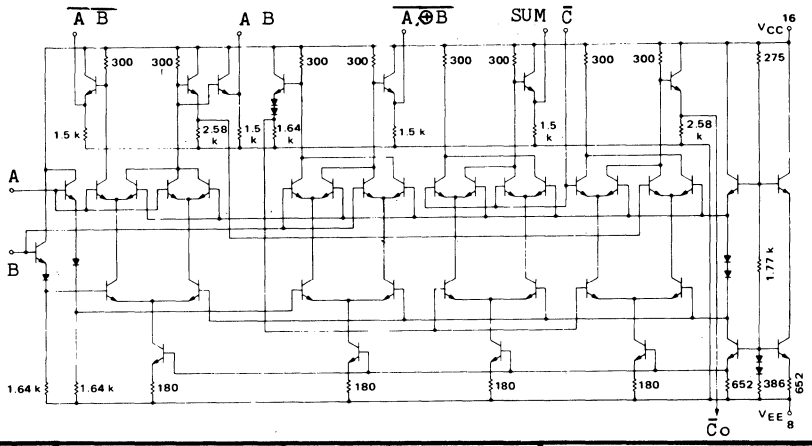

INPUTS
OUTPUT
OUTPUT
VCC
2A
2B
2Cn
2Cn+1
NC
2Σ
14
13
12
11
10
9
8
1
2
3
4
5
6
7
1A
NC
1B
1Cn
1Cn+1
1Σ
GND
INPUT
INPUTS
OUTPUTS


VCC
4 kΩ
1.5 kΩ
900 Ω
2.8 kΩ
760 Ω
58 Ω
1 kΩ
470 Ω
Cn
Cn+1
700 Ω
INPUTS
B
A
Σ
OUTPUTS
TO OTHER ADDER
GND

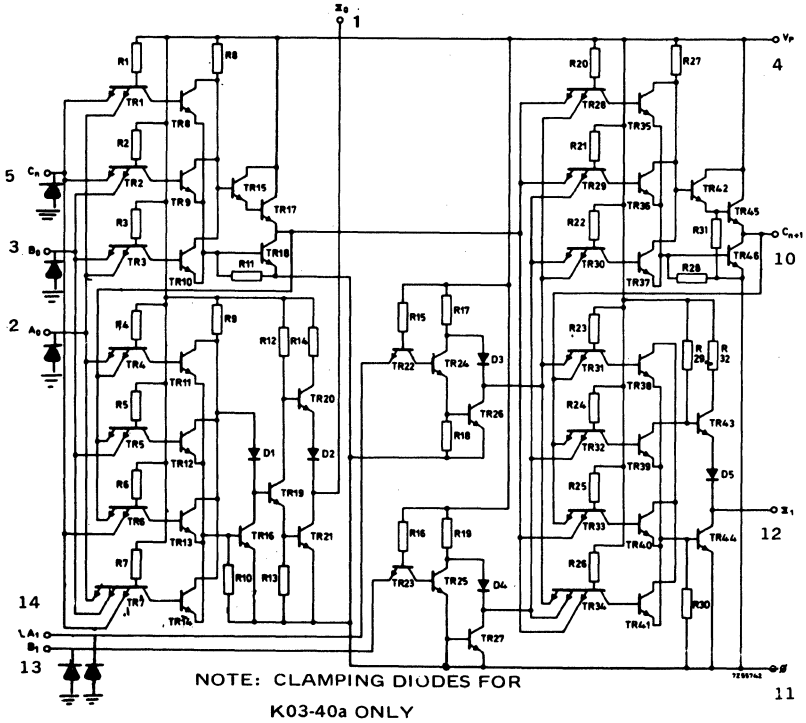
K03-37

Resistor values are nominal.

	CKT	A	B	$\overline{AB}$	AB	$\overline{A \oplus B}$	SUM	$\overline{C}$	$\overline{C}_O$
K03-37	1	6	7	5	4	3	2	1	
	2	10	9	11	12	13	14		15

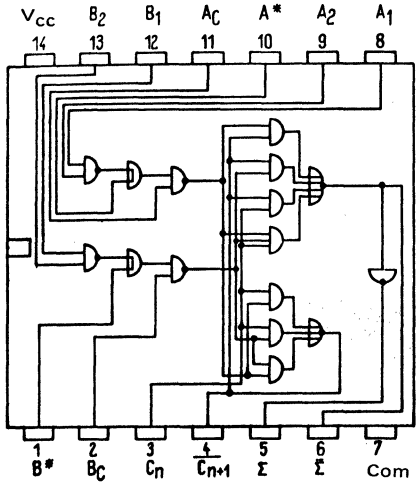


K03-40

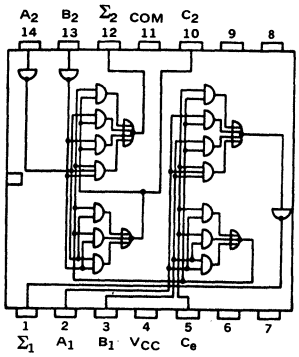


NOTE: CLAMPING DIODES FOR K03-40a ONLY

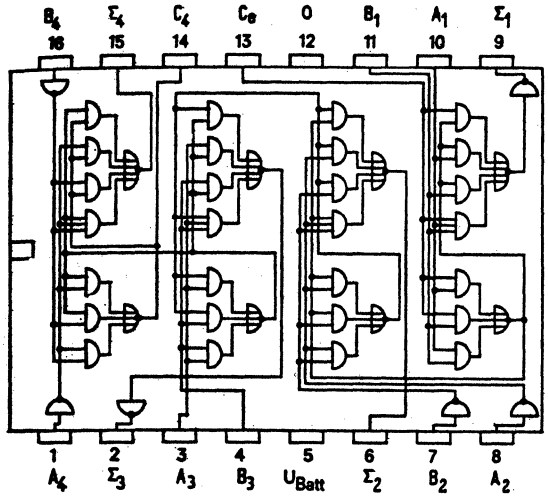
K03-41



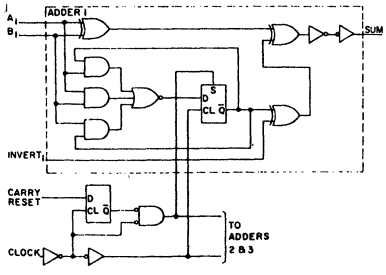
K03-42



K03-43

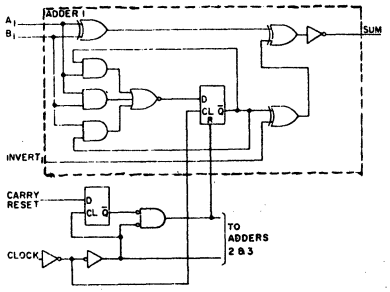


K03-46



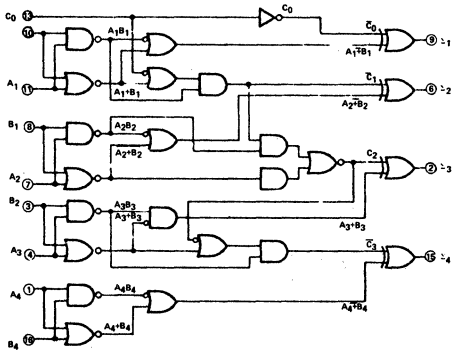
	CKT	A	B	INV	CARRY RESET	CLOCK	SUM	VDD	VSS
K03-46	1	10	11	7	6	3	9	16	8
	2	13	12	5	6	3	4	16	8
	3	15	14	2	6	3	1	16	8

K03-47

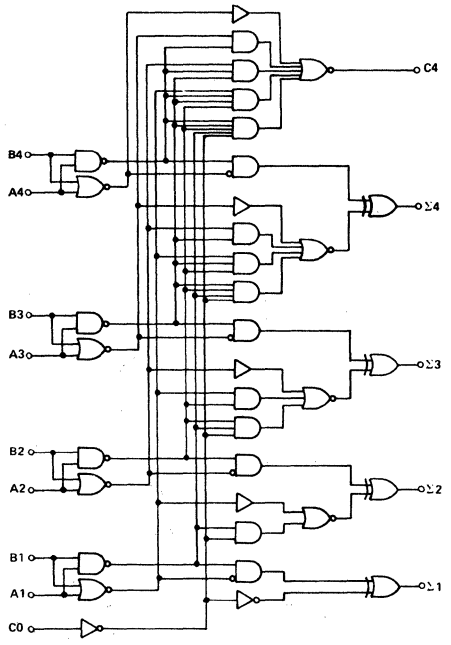


	CKT	A	B	INV	CARRY RESET	CLOCK	SUM	VDD	VSS
K03-47	1	10	11	7	6	3	9	16	8
	2	13	12	5	6	3	4	16	8
	3	15	14	2	6	3	1	16	8

K03-49

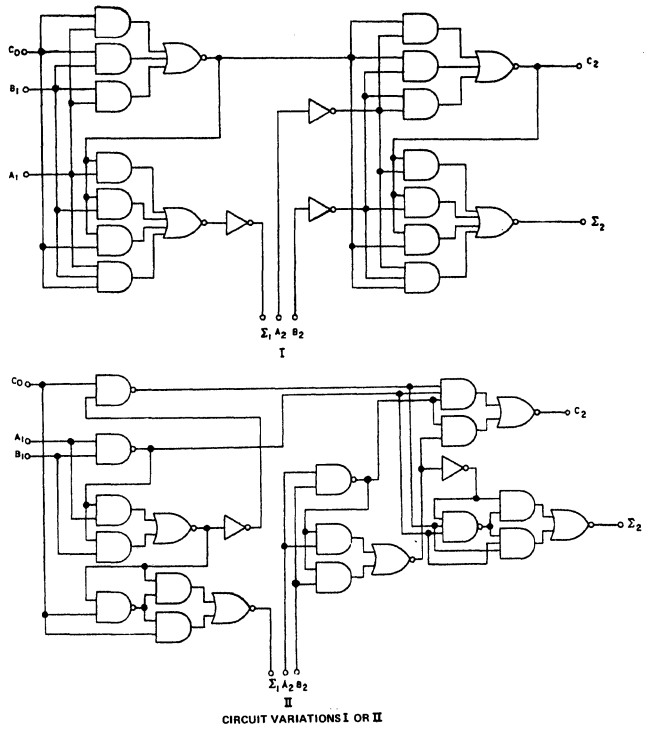


K03-50



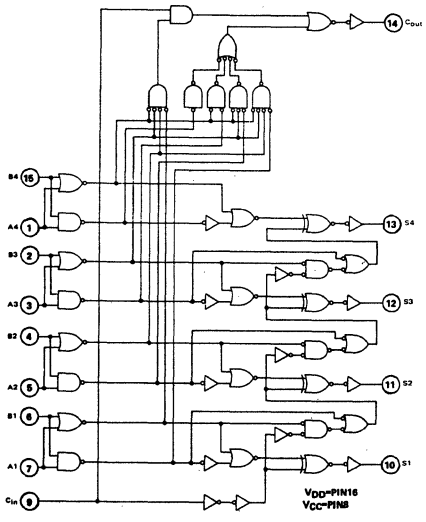
	A				B				C		Σ				GND	VCC
	1	2	3	4	1	2	3	4	0	4	1	2	3	4		
K03-50	10	8	3	1	11	7	4	16	13	14	9	6	2	15	12	5
K03-50a	5	3	14	12	6	2	15	11	7	9	4	1	13	10	8	16

K03-51

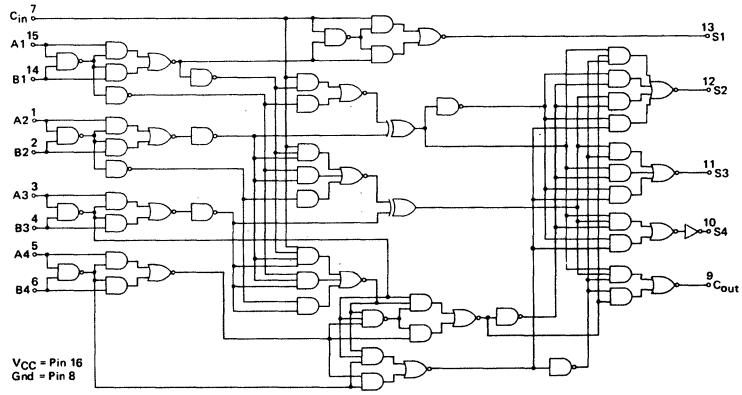


CIRCUIT VARIATIONS I OR II

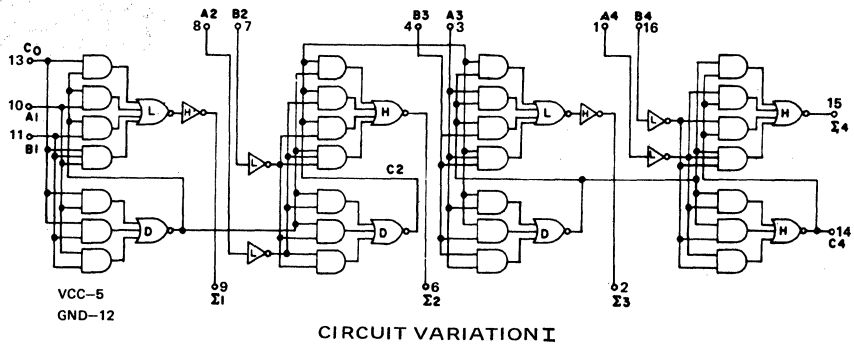
K03-53



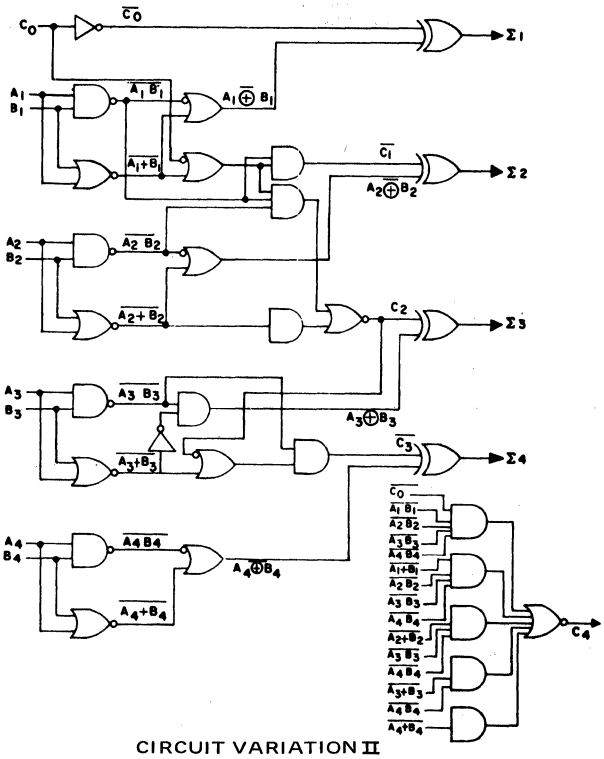
K03-55



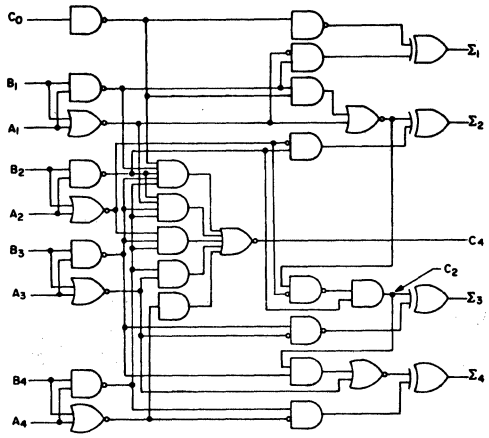
K03-56



CIRCUIT VARIATION I

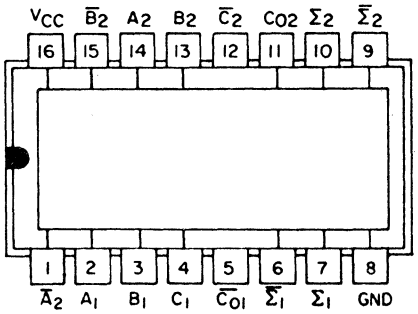


CIRCUIT VARIATION II

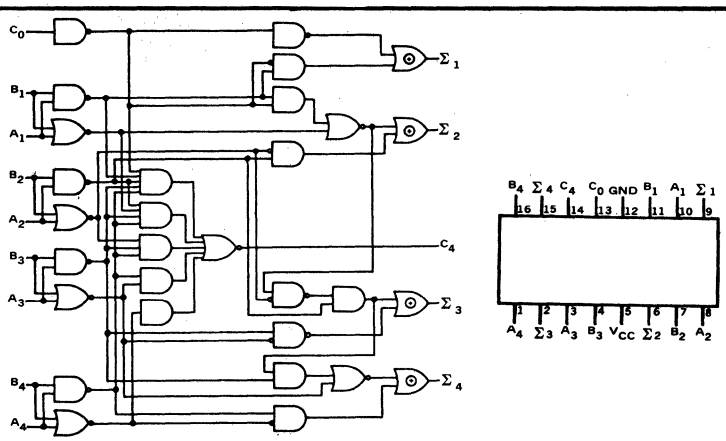


CIRCUIT VARIATION III

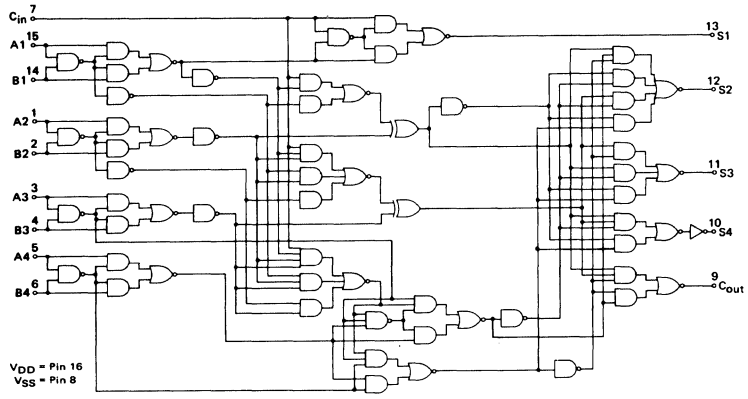
K03-57



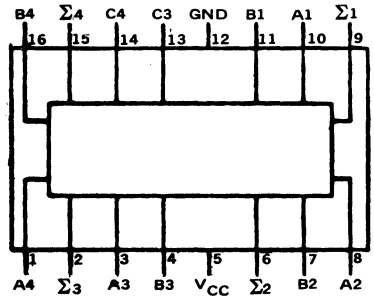
K03-58



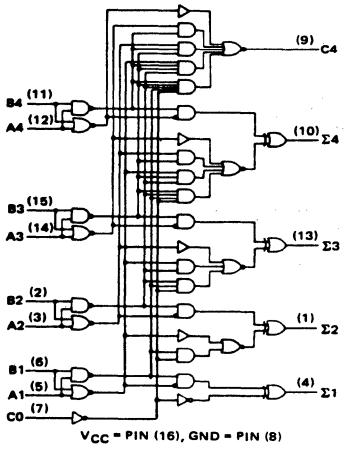
K03-59



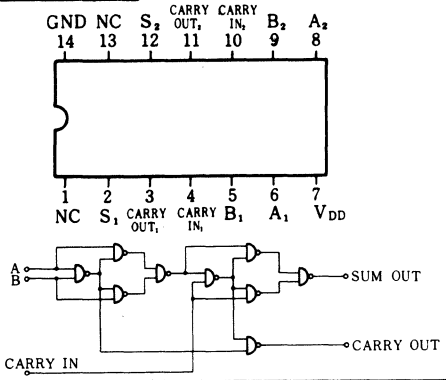
K03-60



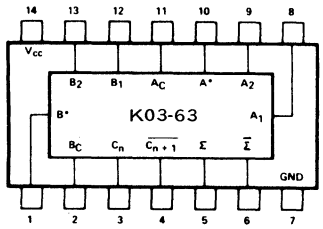
K03-61

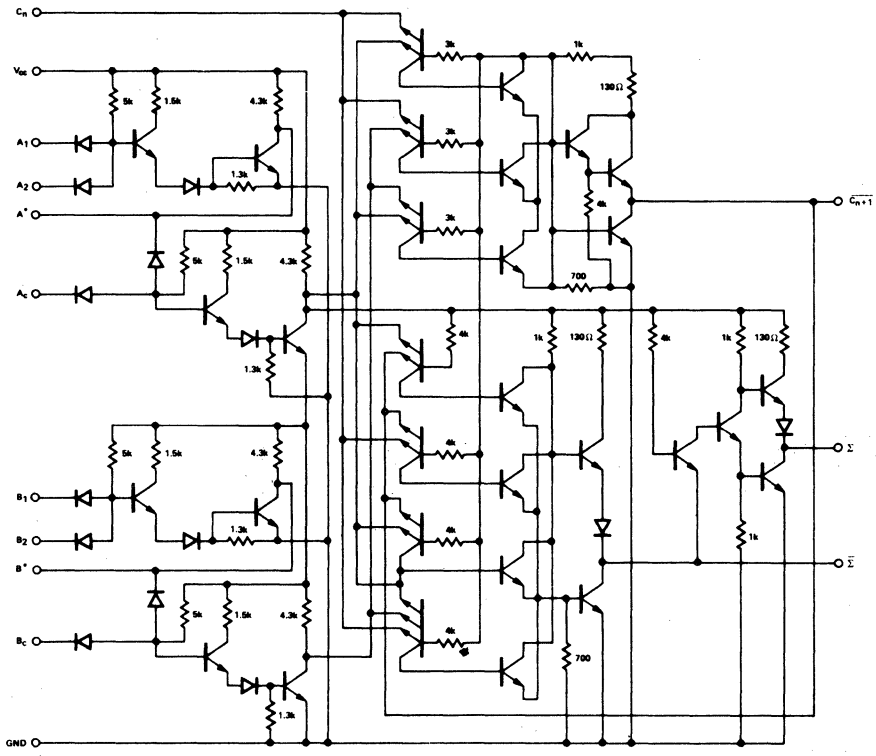


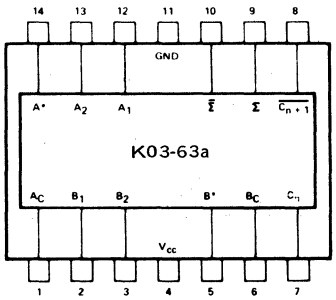
K03-62



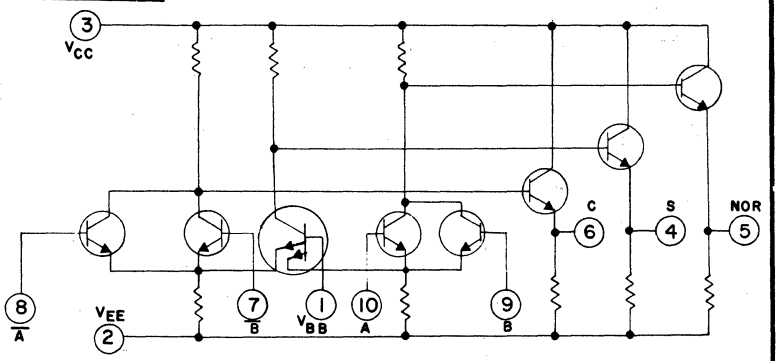
K03-63



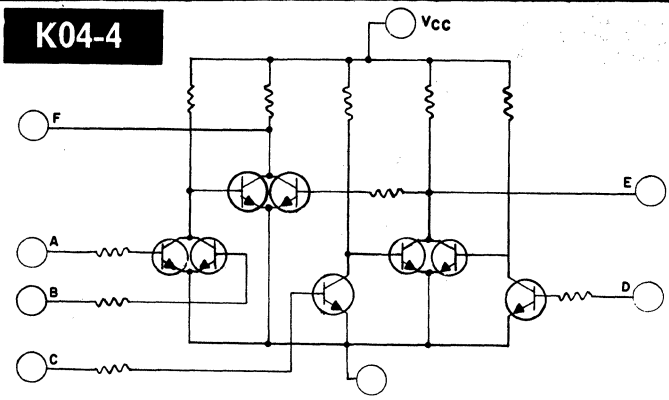




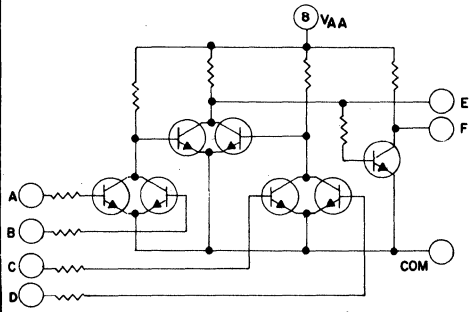
K04-3



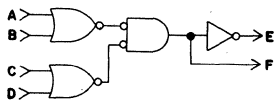
K04-4



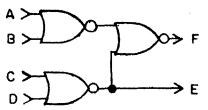
K04-6



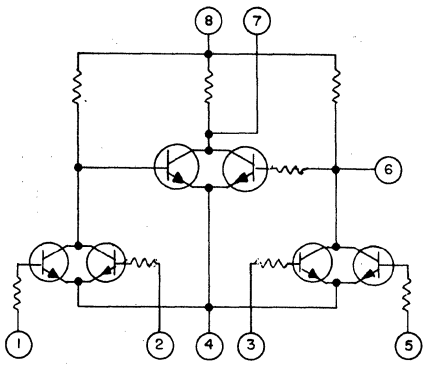
		A	B	C	D	E	F	VAA	COM
K046		1	2	3	5	7	6	8	4
K046a	FP	2	3	4	7	9	8	10	5
	CN	1	2	3	5	7	6	8	4
K046b	FP	1	2	4	6	9	7	10	5
	CN	1	2	3	5	7	6	8	4

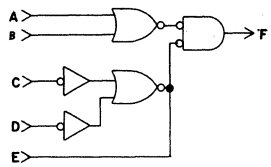


K04-7



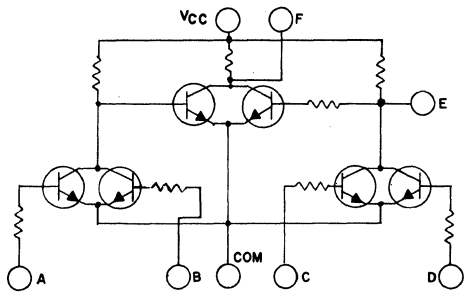
PIN	CN	FP
1	A	
2	B	
3	C	
4	COMM	
5	D	
6	E	
7	F	
8	VCC	

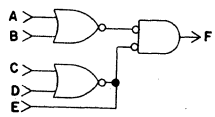




		A	B	C	D	E	F	COM	VCC	PKG STYLE
K044		1	2	4	6	7	9	5	10	FP
		1	2	3	5	6	7	4	8	CN
K044A		2	3	4	6	7	9	5	10	FP
		1	2	3	5	6	7	4	8	CN

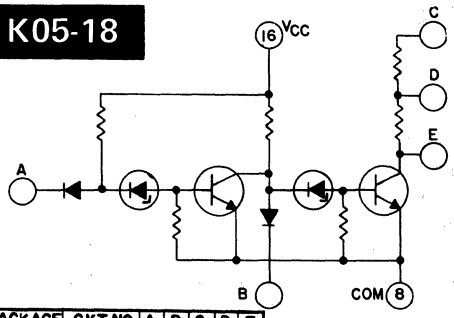
K04-12





	CKT NO.	A	B	C	D	E	F	COM	VCC	PKG.
K04-12	1	2	3	4	7	8	9	5	10	FP
	1	1	2	3	5	6	7	4	8	CN
K04-12A	1	1	14	2	3	12	13	4	11	MP
	2	8	7	6	5	10	9			
K04-12B	1	3	4	5	6	1	2	7	14	FP
	2	10	11	8	9	13	12			

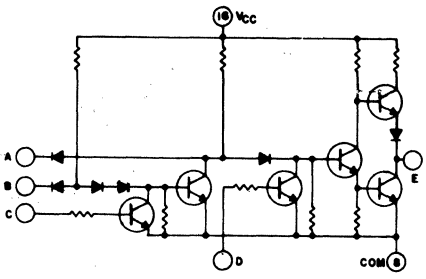
K05-18



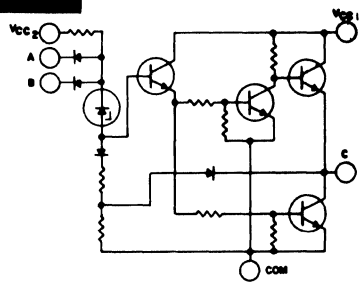
PACKAGE	CKT NO.	A	B	C	D	E
CN & MP	1	5	4	1	2	3
	2	11	12	15	14	13
FP	1	6	5	2	3	4
	2	9	10	13	12	11

K05-19

PKG	CKT	A	B	C	D	E
CM,M	1	4	6	5	3	2
	2	12	10	11	13	14
FP	1	4	6	5	3	2
	2	11	9	10	12	13

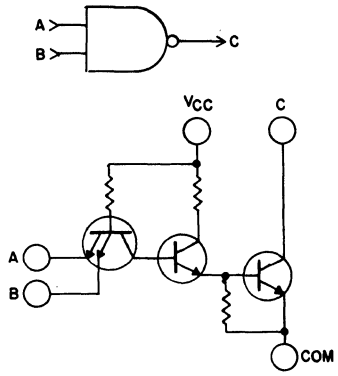


K05-20



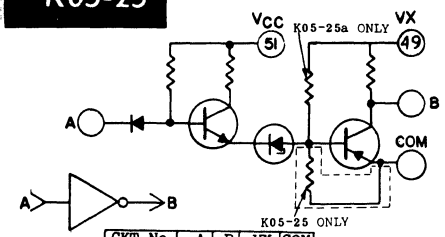
	PKG	CKT	A	B	C	VCC1	VCC2	COM
K05-20	FP	1	1	2	12	4	3	11
		2	6	7	10			
	MP	1	1	4	6	14	13	7
		2	10	12	8			

K05-21



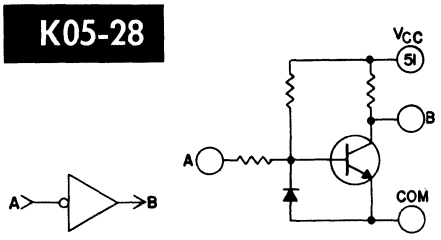
	PKG.	CKT.	A	B	C	V_{CC}	COM
K05-21	FP	1	2	3	1	4	11
		2	5	6	7		
		3	9	10	8		
		4	12	13	14		
	MP	1	1	2	3	14	7
		2	5	6	4		
		3	8	9	10		
		4	12	13	11		
K05-21a	FP	1	1		14	4	11
		2	3		2		
		3	5		6		
		4	7		8		
		5	10		9		
		6	12		13		
	MP	1	1		2	14	7
		2	3		4		
		3	6		5		
		4	8		9		
		5	11		10		
		6	13		12		

K05-25



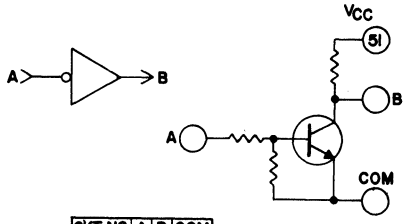
	CKT No.	A	B	VX	COM
K05-25	1	11	7		1,
	2	19	15		2,
	3	29	25	49	39,
	4	37	33		52
	5	45	43		
K05-25a	1	11	7		
	2	19	15		
	3	29	25	39,	1,
	4	37	33	49	2,
	5	45	43		52

K05-28



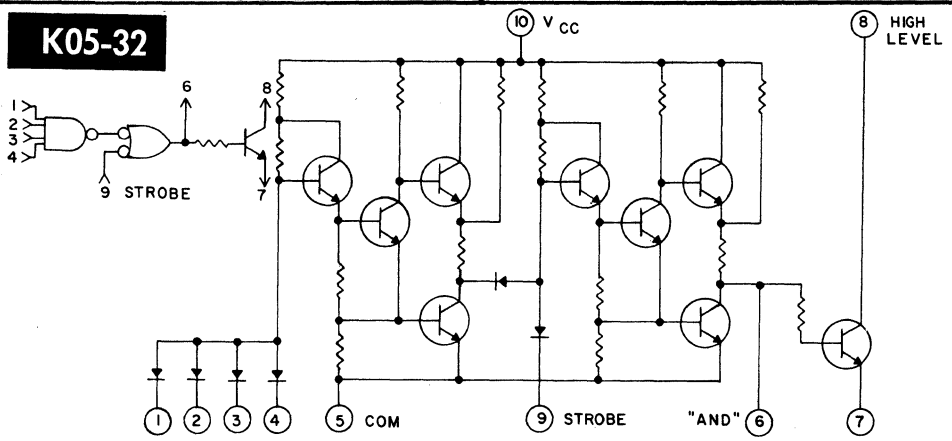
CKT NO.	A	B	COM
1	11	7	
2	19	15	
3	29	25	1,
4	37	33	52
5	45	43	

K05-29



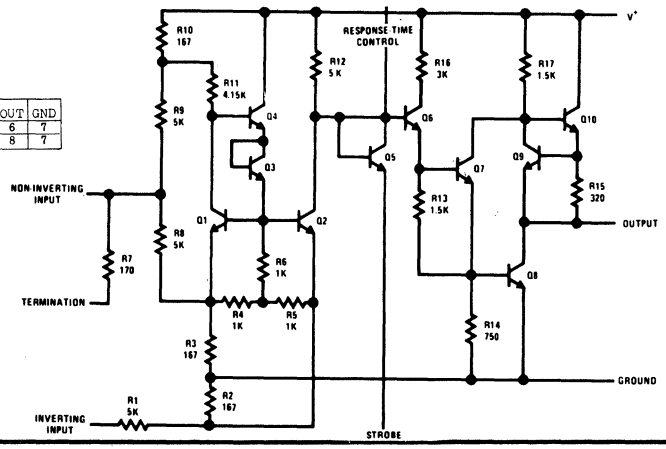
CKT NO.	A	B	COM
1	11	7	
2	19	15	
3	29	25	1,
4	37	33	52
5	45	43	

K05-32

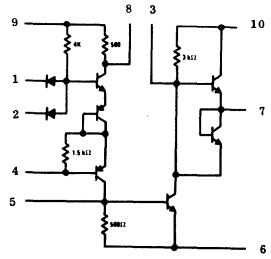


K05-33

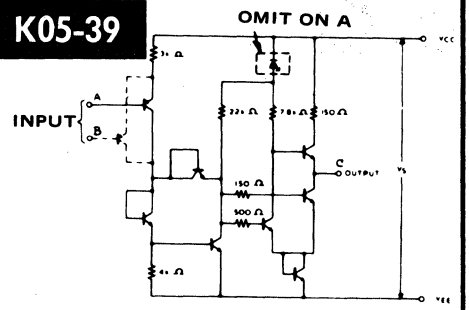
Ckt	IN	IN	TER	RES-TIME	STROBE	VCC	OUT	GND
1	3	1	2	5	4	14	6	7
2	11	13	12	9	10	14	8	7



K05-34

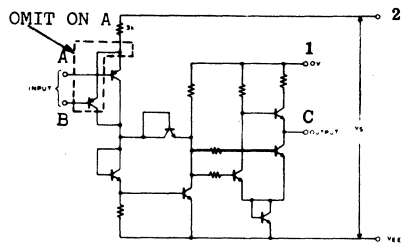


K05-39



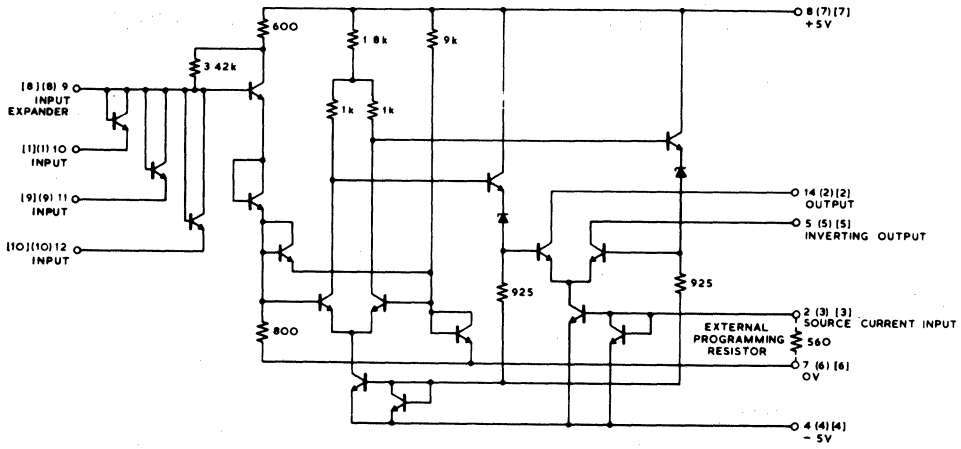
	PKG	CKT	A	B	C	VCC	VEE
K05-39	CN	1	2	3	4	1	10
		2	6		5		
		3	8	9	7		
	FP	1	1	10	9	3	2
		2	8		7		
		3	4	5	6		

K05-40

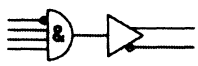


	CKT	A	B	C	V_{EE}
K05-40	1	4	5	6	3
	2	8	9	7	10
	3	12	13	11	14

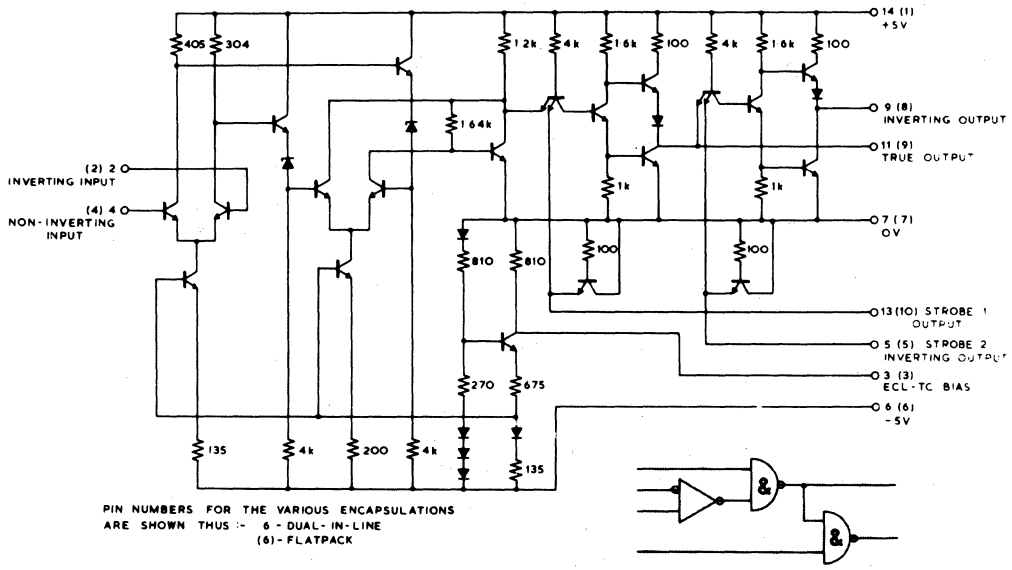
K05-42



PIN NUMBERS FOR THE VARIOUS ENCAPSULATIONS ARE SHOWN THUS :-
2 - DUAL-IN-LINE
(3)- FLATPACK
[3]- TO-5

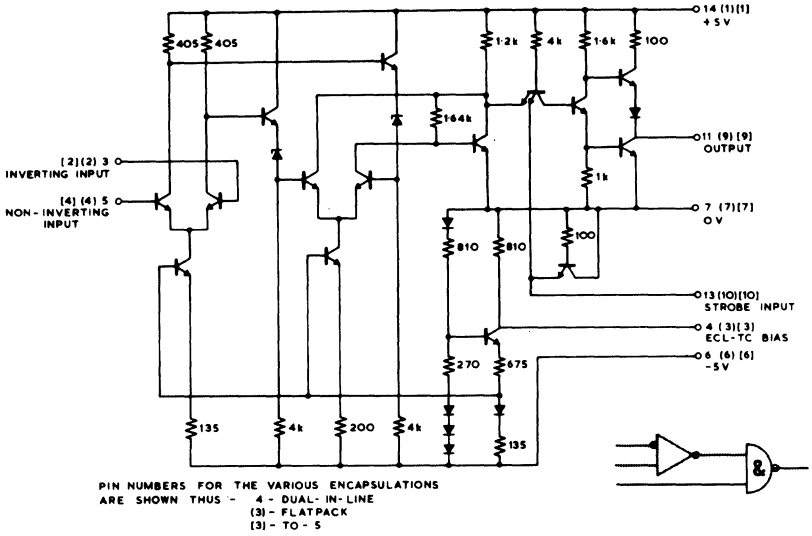


K05-43



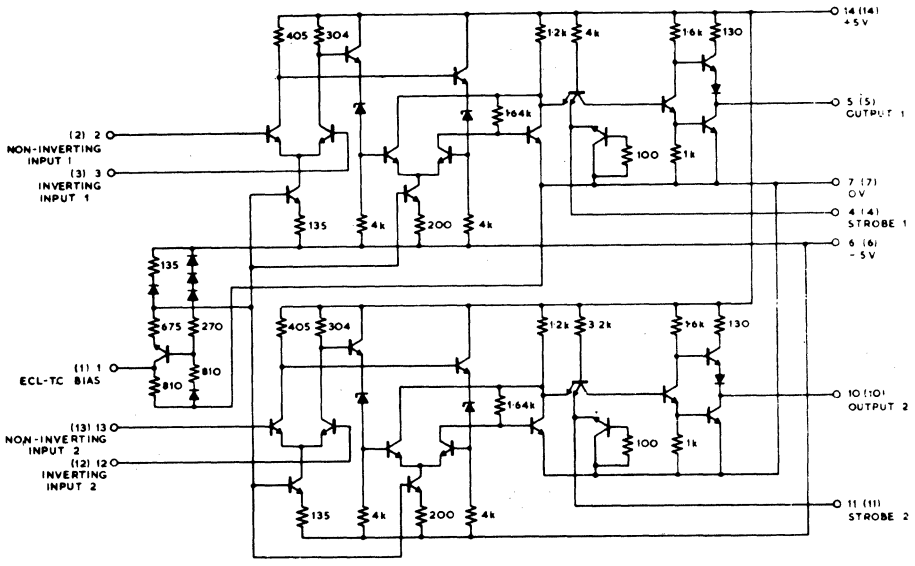
PIN NUMBERS FOR THE VARIOUS ENCAPSULATIONS ARE SHOWN THUS :- 6 - DUAL-IN-LINE
(6)- FLATPACK

K05-44

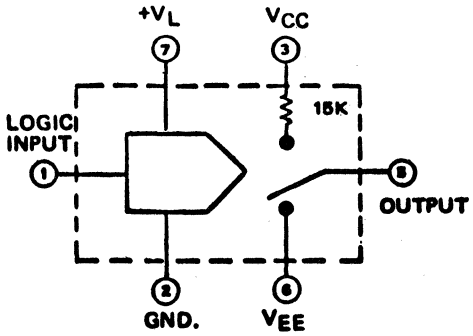


PIN NUMBERS FOR THE VARIOUS ENCAPSULATIONS ARE SHOWN THUS :- 4 - DUAL-IN-LINE
(3) - FLATPACK
[3] - TO-5

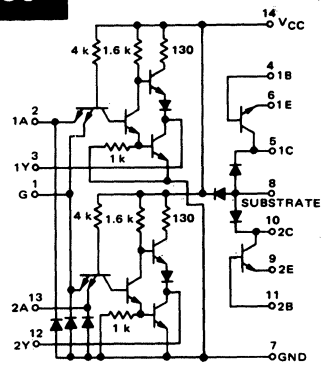
K05-45



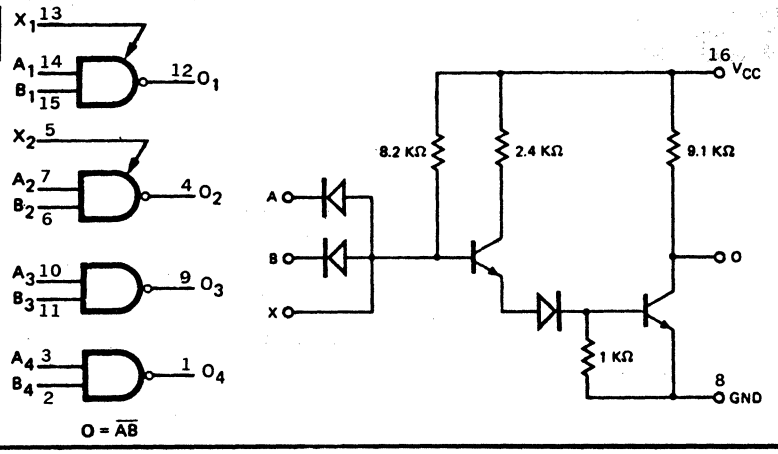
K05-48



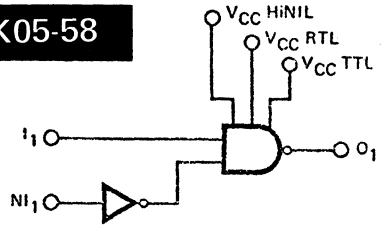
K05-55



K05-57

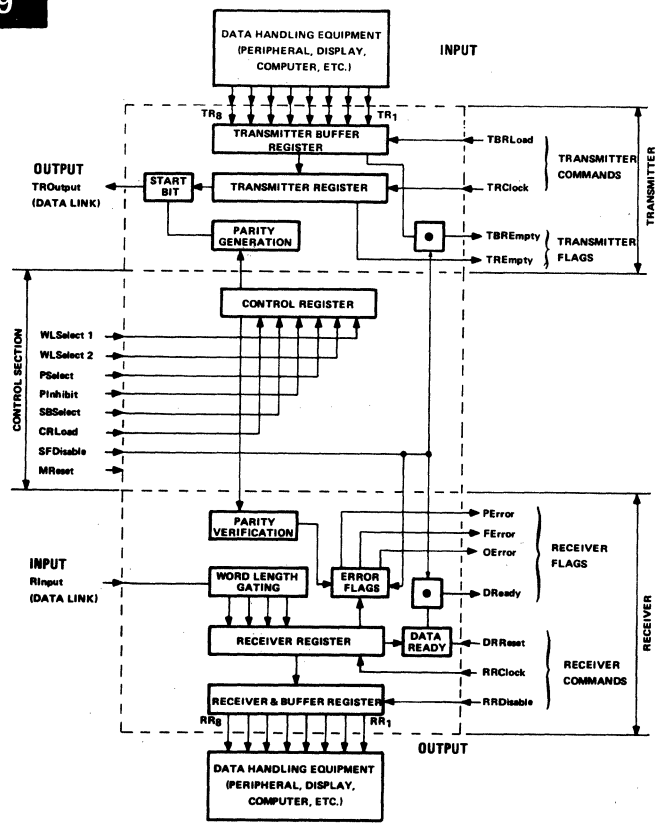


K05-58

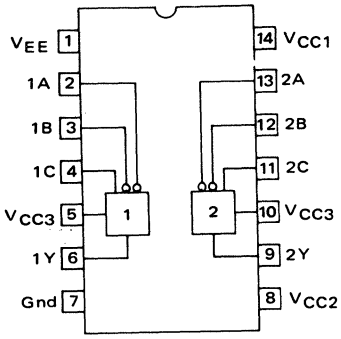


	CKT NO.	I	NI	O	VCC(H)	VCC(R)	VCC(T)
K05-58	1	5	4	2	16	3	1
	2	12	11	14	16	13	15

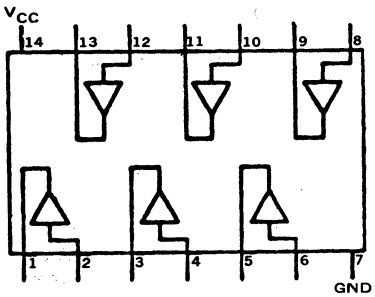
K05-59



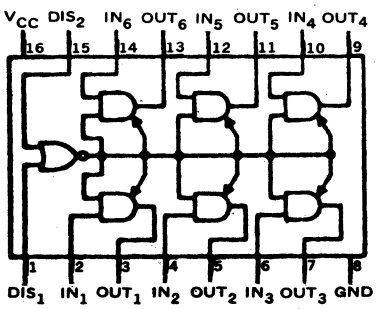
K05-60



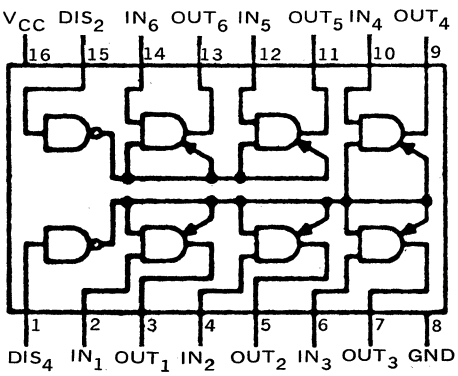
K05-61



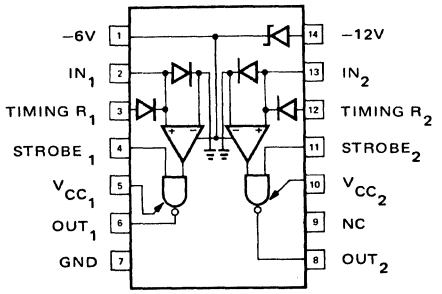
K05-62



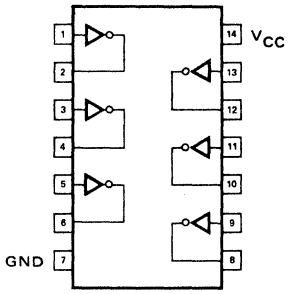
K05-63



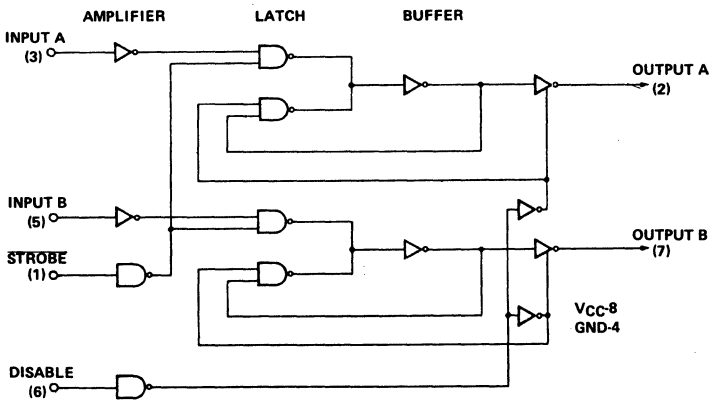
K05-64



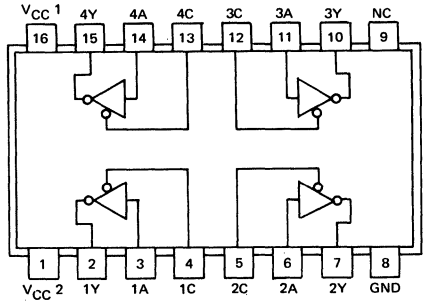
K05-65



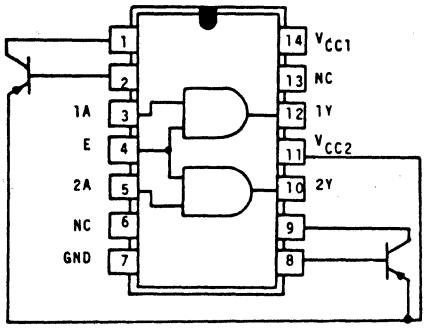
K05-66



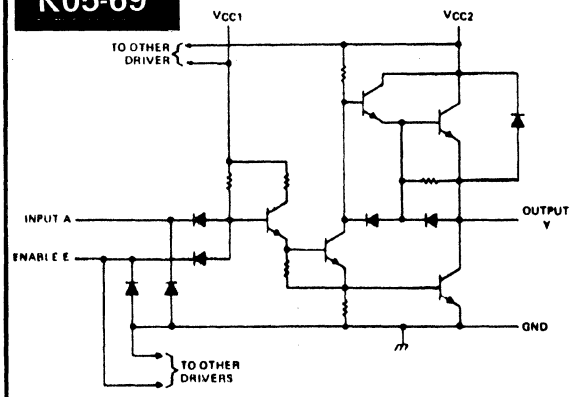
K05-67

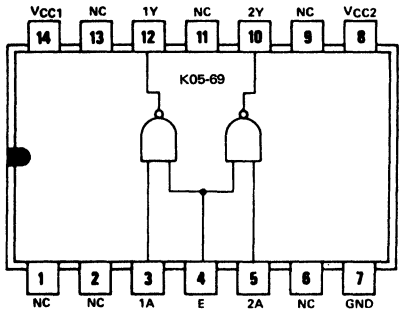


K05-68



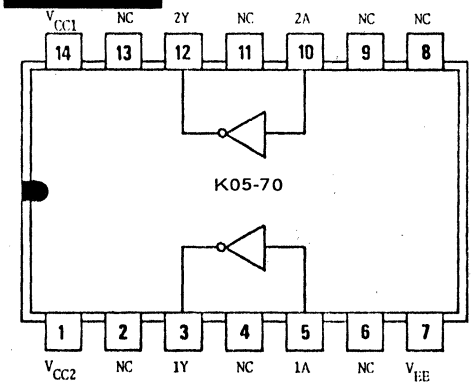
K05-69

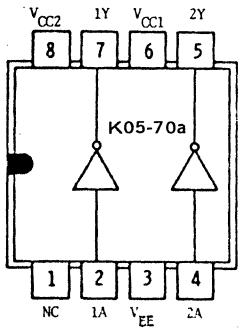


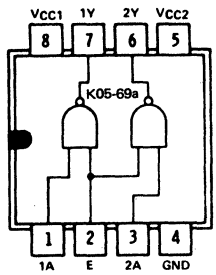


K05-69b – SAME AS K05-69 WITH POSITIVE LOGIC AND.

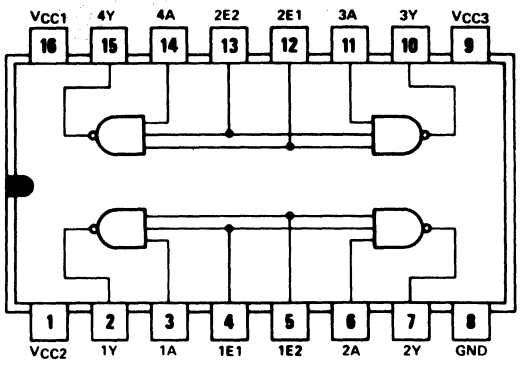
K05-70



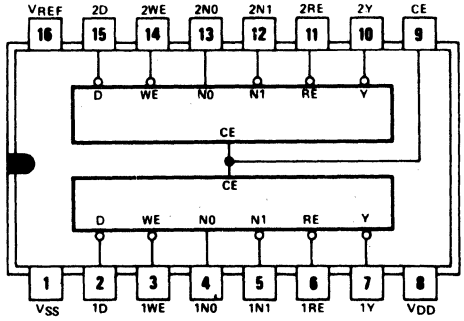




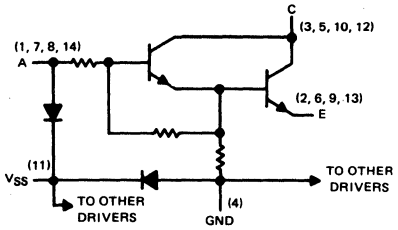
K05-71

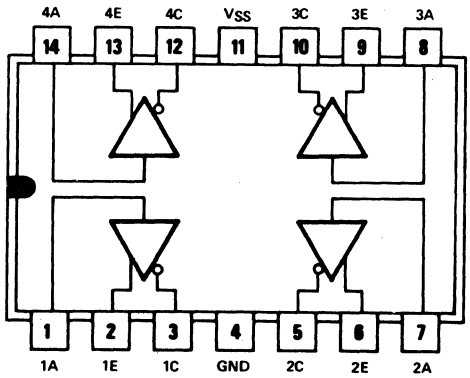


K05-73

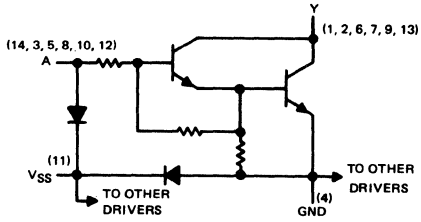


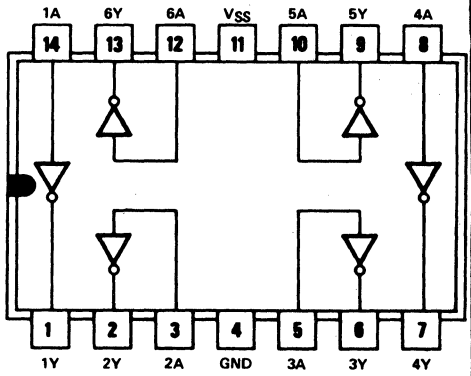
K05-74



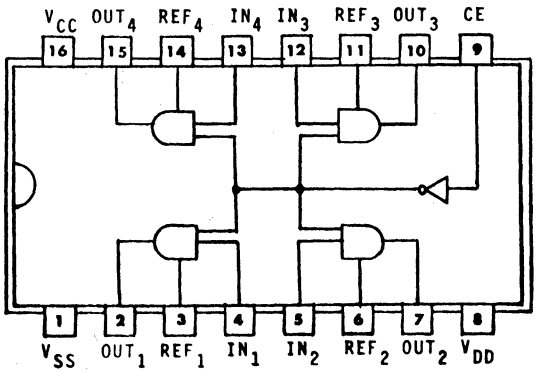


K05-75

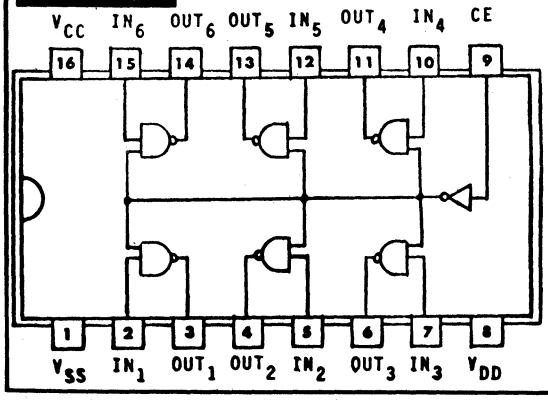




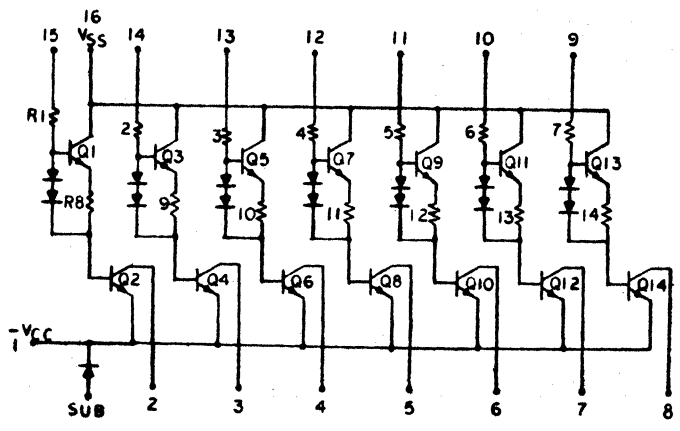
K05-76



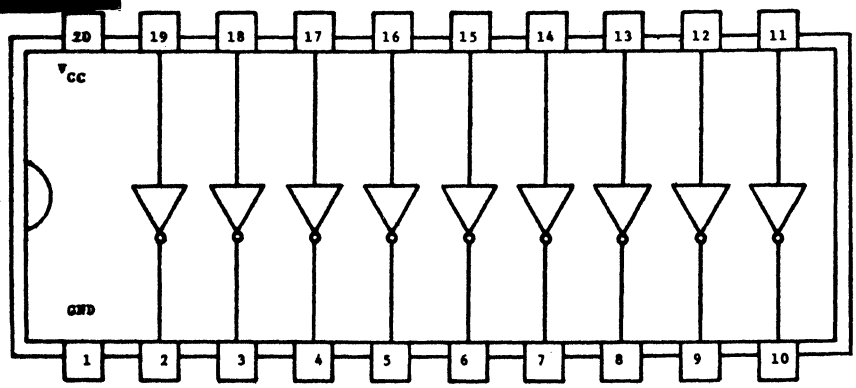
K05-77



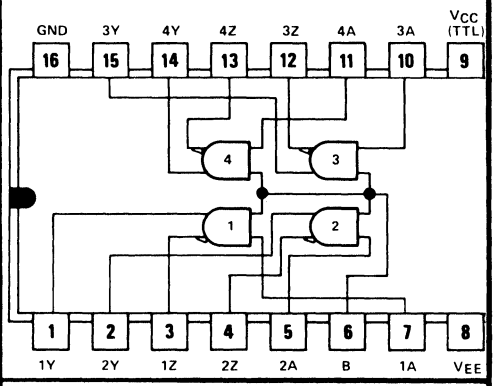
K05-78



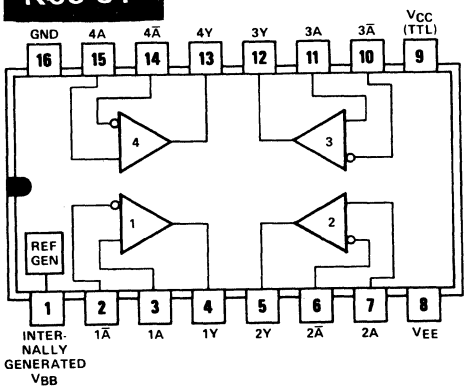
K05-79



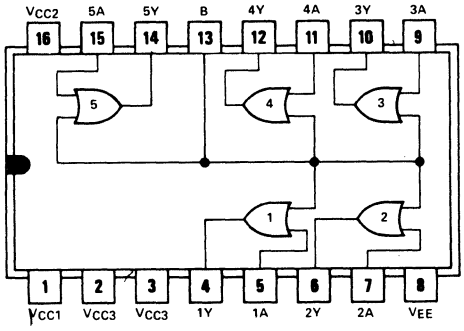
K05-80



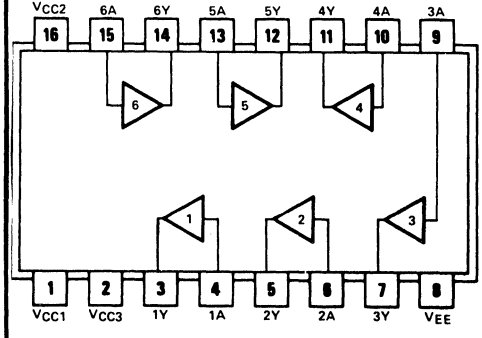
K05-81



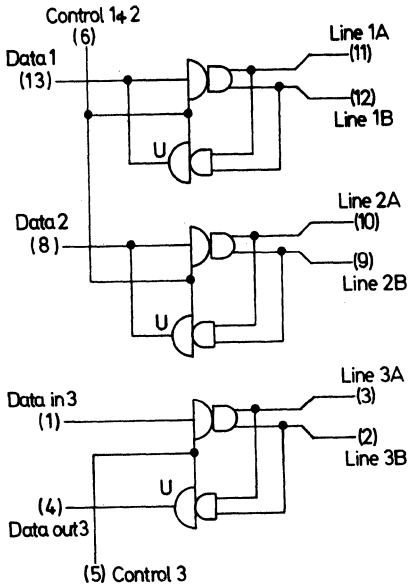
K05-82



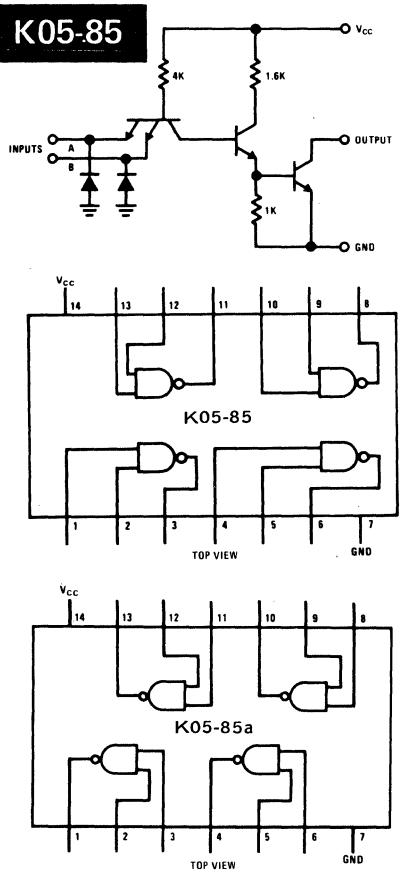
K05-83



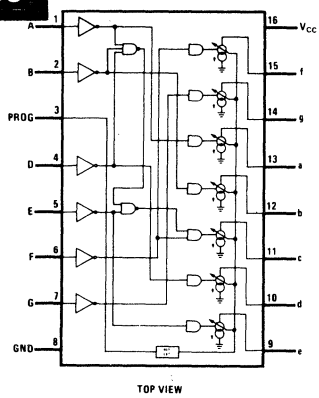
K05-84



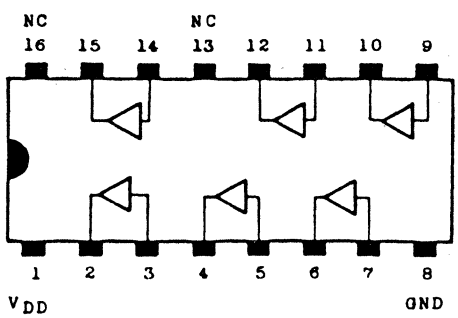
K05-85



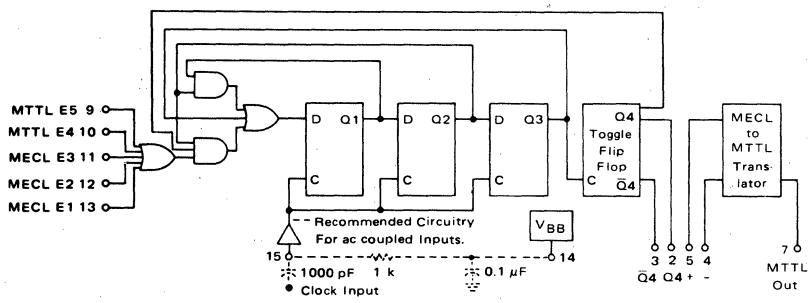
K05-86



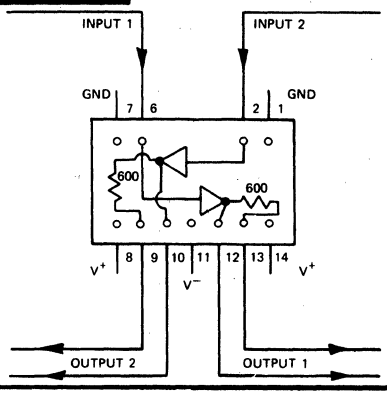
K05-87



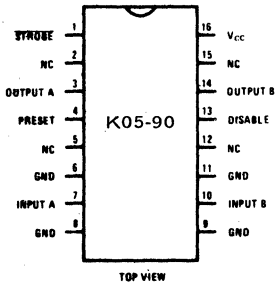
K05-88

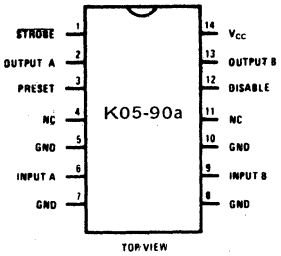


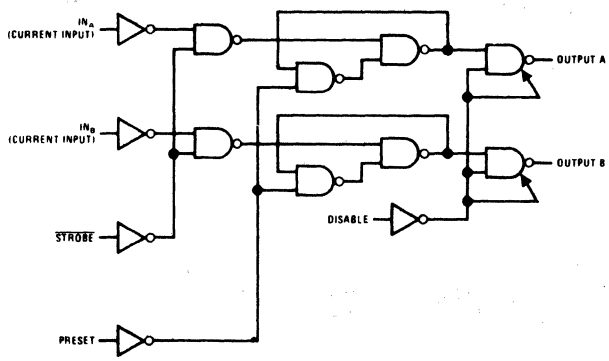
K05-89



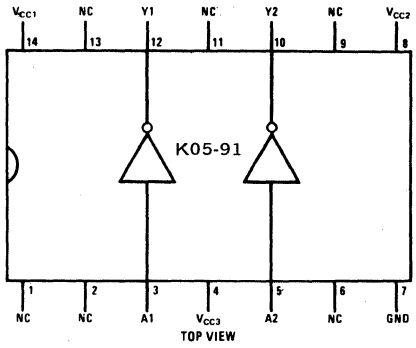
K05-90

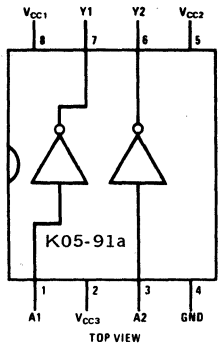


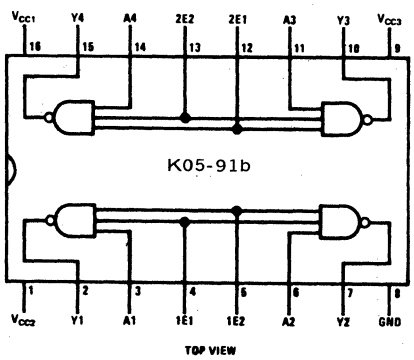


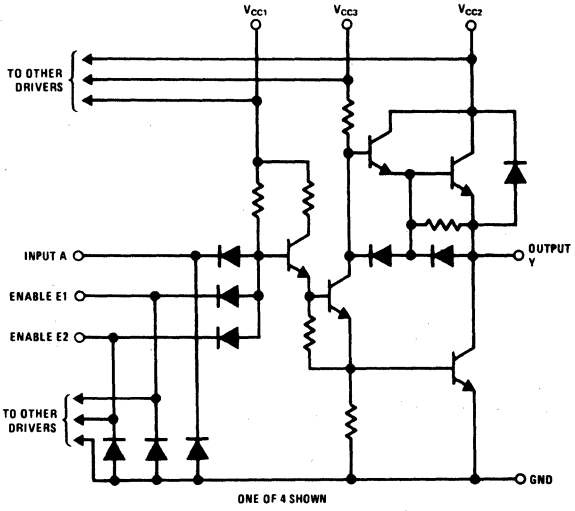


K05-91

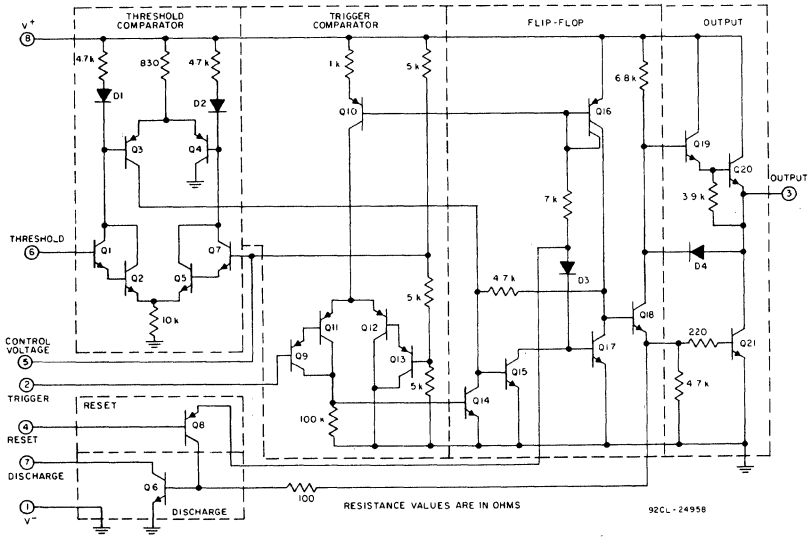


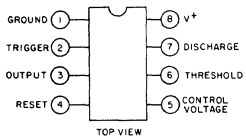


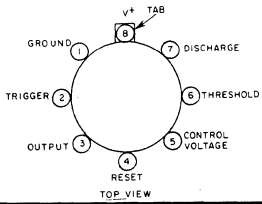




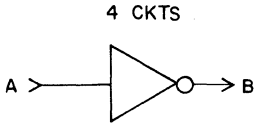
K05-92

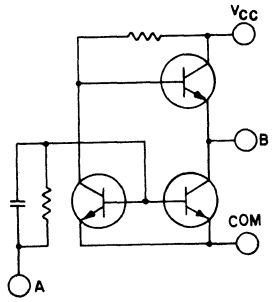






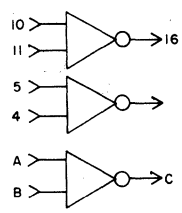
K06-10



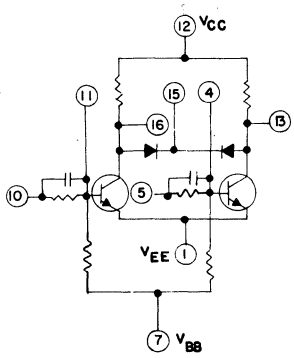


	OUTLINE STYLE	CKT NO	A	B	VCC	COM
K0610	FP	1	6	1	3	8
		2	7	2		
		3	9	4		
		4	10	5		
K0610A	FP	1	5	6	8	3
		2	4	7		
		3	2	9		
		4	1	10		
	MP	1	7	10	12	5
		2	6	11		
		3	4	13		
		4	3	14		
K0610B	FP	1	1	10	8	3
		2	2	9		
		3	4	7		
		4	5	6		

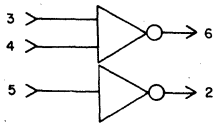
K06-35

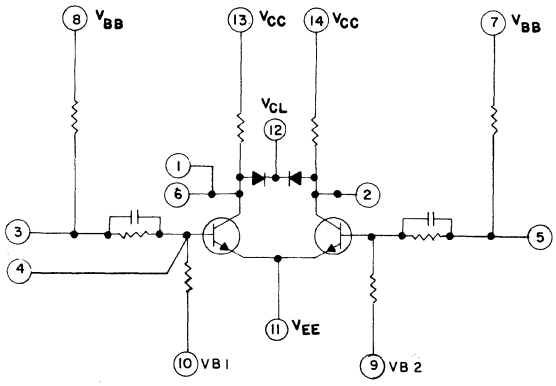


CKT. NO.	A	B	C
1	10	11	16
2	5	4	13

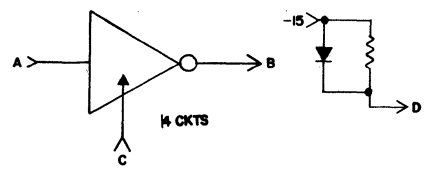


K06-36



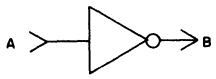


K06-40



	K0640			
CKT NO	1	2	3	4
A	T	N	J	D
B	S	P	K	E
C	U	M	H	C
D	V	R	L	F
E				
F				

K06-43



CKT NO.	A	B
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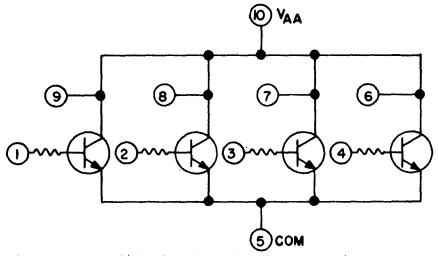
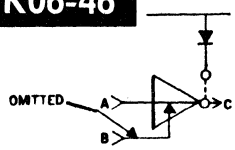
2	2	8
3	3	7
4	4	6



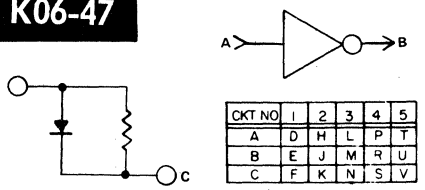
K06-46



	K0646C			
CKT NO.	1	2	3	4
A	E	P	K	U
B	D	N	J	T
C	F	R	L	V

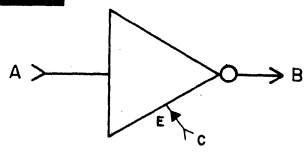
K0646 C HAS 3 CLAMPED LOADS AVAILABLE ON CARD THAT ARE NOT CONNECTED

K06-47



CKT NO	1	2	3	4	5
A	D	H	L	P	T
B	E	J	M	R	U
C	F	K	N	S	V

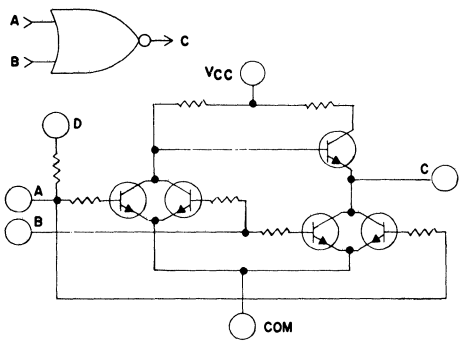
K06-48



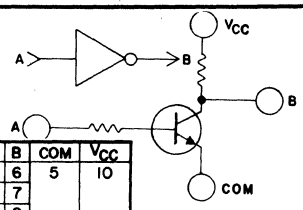
CKT NO	1	2	3	4	5	6	7
A	E	H	K	M	D	S	U
B	D	F	J	L	N	R	T
C							V

K06-50

	A	B	C	D	COM	VCC	PKG STYLE
T091	2	4	7	1	5	10	FP
T099	2	3	6	1	4	8	CN

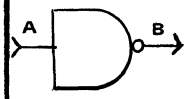


K06-69



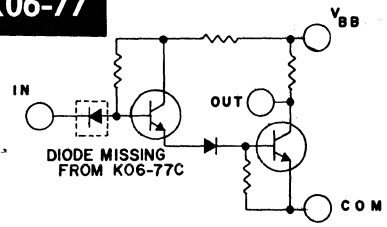
	CKT NO.	A	B	COM	VCC
K06-69	1	1	6	5	10
	2	2	7		
	3	3	8		
	4	4	9		
K06-69A	1	1	6	7	14
	2	2	5		
	3	3	4		
	4	11	10		
	5	12	9		
	6	13	8		
K06-69B	1	1	9	5	10
	2	2	8		
	3	3	7		
	4	4	6		

K06-71



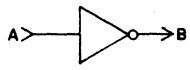
K0671 CKT	TERM	A	B	K0671A CKT	TERM	A	B
		35	33	1		8	F
2		32	34	2		J	7
3		31	30	3		6	H
4		28	29	4		5	D
5		27	25	5		C	4
6		24	26	6		3	E
7		23	22	7		14	N
8		20	21	8		R	13
9		19	17	9		12	P
10		16	18	10		11	L
11		15	14	11		K	10
12		12	13	12		9	M
13		9	11	13		20	V
14		10	8	14		X	19
15		7	6	15		18	W
16		4	5	16		17	T
				17		S	16
				18		15	U

K06-77



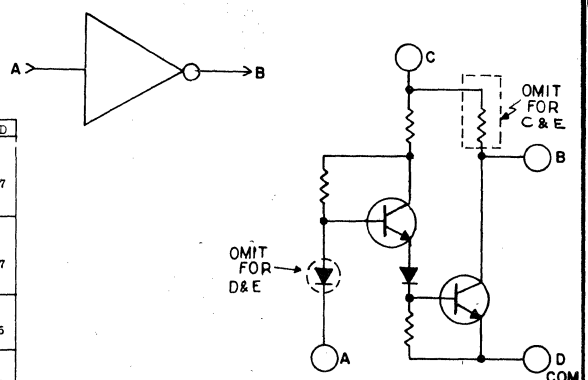
	TERM CKT	1	2	3	4	5	6
K0677	IN	B	D	F	H	J	L
	OUT	A	C	E	G	I	K
K0677A, C	IN	1	3	5	9	11	13
	OUT	2	4	6	8	10	12
K0677B	IN	1	3	7	9		
	OUT	2	4	6	8		

K06-79



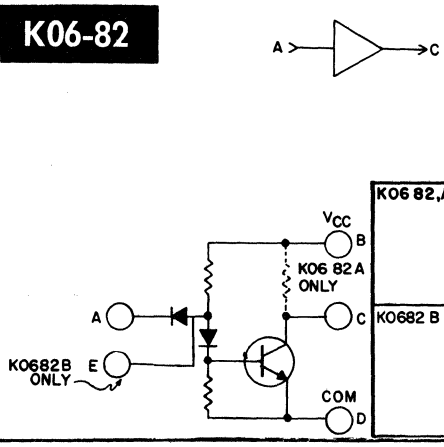
	CKT NO.	A	B	VDD	COM
K06-79	1	5	4		
	2	3	2		
	3	1	6		
K06-79a	1	1	2	14	7
	2	3	4		
	3	5	6		
	4	9	8		
	5	11	10		
	6	13	12		
K06-79b	1	2	22	18	6
	2	3	21		
	3	4	20		
	4	5	19		
	5	7	14		13
	6	8	9		
	7	10	11		
	8	16	15		
K06-79c	1	2	1	14	7
	2	4	3		
	3	6	5		
	4	8	9		
	5	10	11		
	6	12	13		

K06-81



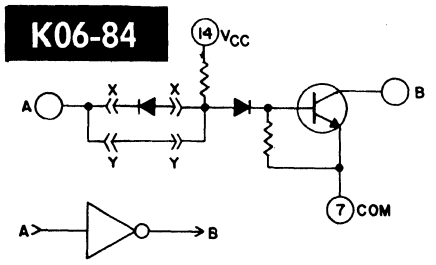
	CKT NO	A	B	C	D
K0681	1	1	6		
	2	2	3		
	3	5	4		
	4	9	10	14	7
	5	12	11		
	6	13	8		
K0681a, c, d, e	1	1	2		
	2	3	4		
	3	5	6		
	4	9	8	14	7
	5	11	10		
	6	13	12		
K0681b	1	1	2		
	2	3	4		
	3	7	6	10	5
	4	9	8		
K0681f	1	1	2		
	2	3	4		
	3	5	6	14	7
	4	9	8		
	5	11	10		
	6	13	12		

K06-82



	CKT NO	A	B	C	D	E
K0682,A	1	2	7	12	14	-
	2	4	7	10	14	-
	3	6	7	8	14	-
	4	9	7	5	14	-
	5	11	7	3	14	-
	6	13	7	1	14	-
K0682 B	1	-	7	12	14	2
	2	-	7	10	14	4
	3	-	7	8	14	6
	4	-	7	5	14	9
	5	-	7	3	14	11
	6	-	7	1	14	13

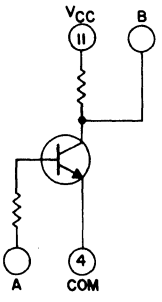
K06-84



K0684	"X" ON, "Y" OFF
K0684A	"Y" ON, "X" OFF

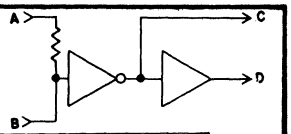
	CKT NO	A	B
K0684,A	1	1	2
	2	3	4
	3	5	6
	4	9	8
	5	11	10
	6	13	12

K06-86

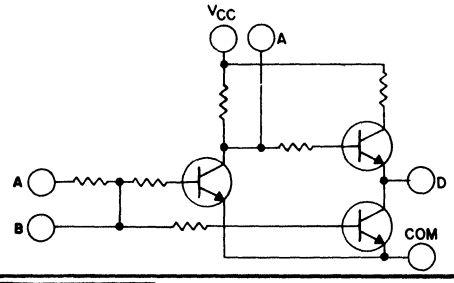


	CKT	A	B
K06-86	1	14	1
	2	13	2
	3	12	3
	4	10	5
	5	9	6
	6	8	7
K06-86a	1	1	9
	2	2	8
	3	3	7
	4	4	6

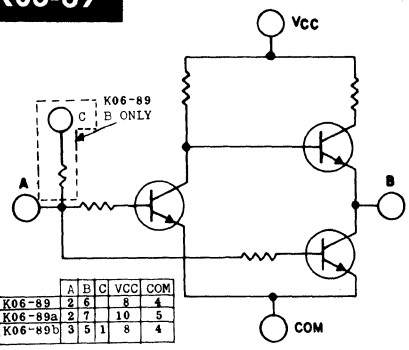
K06-88



	CKT NO	A	B	C	D	COM	VCC
K0688	1	12	13	2	3	4	11
	2	9	6	10	5		
K0688A	1	1	2	3	4	5	10
	2	7	8	9	6		
K0688B	1	1	3	7	5	4	8
	1	2	4	9	7	5	10

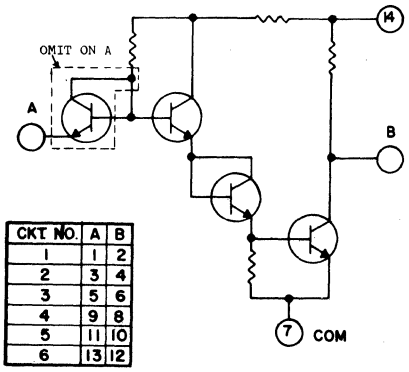


K06-89



	A	B	C	VCC	COM
K06-89	2	6		8	4
K06-89a	2	7		10	5
K06-89b	3	5	1	8	4

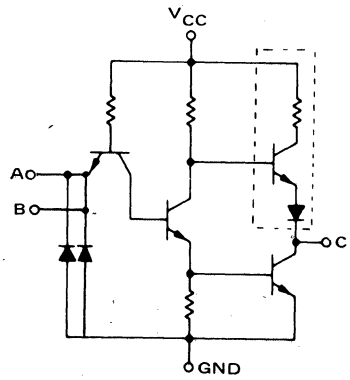
K06-95



CKT NO.	A	B
1	1	2
2	3	4
3	5	6
4	9	8
5	11	10
6	13	12

K06-107

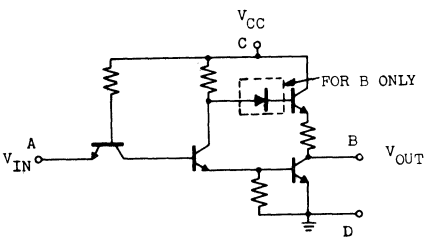
	PKG	CKT	A	B	C	VCC	GND
K06-107	FP	1	1		14	4	11
		2	3		2		
		3	5		6		
		4	7		8		
		5	9		10		
		6	13		12		
K06-107a,e	M	1	1		2	14	7
		2	3		4		
		3	5		6		
		4	9		8		
		5	11		10		
		6	13		12		
K06-107b	FP, M	1	1		2	4	10
		2	3		5		
		3	6		7		
		4	8		9		
		5	11		12		
		6	13		14		
K06-107c		1	3		2	4	10
		2	5		6		
		3	8		7		
		4	14		1		
		5	12		13		
		6	11		9		
K06-107d	FC, FP	1	1		14	4	11
		2	3		2		
		3	5		6		
		4	7		8		
		5	9		10		
K06-107f	M	1	1		2	14	7
		2	3		4		
		3	5		6		
		4	9		8		
		5	11		10		
		6	13		12		
K06-107g	M, FP	1	1	2	3	16	8
		2	4		5		
		3	6		7		
		4	10	11	9		
		5	13		12		
		6	15		14		



OMITTED ON K06-107a,d

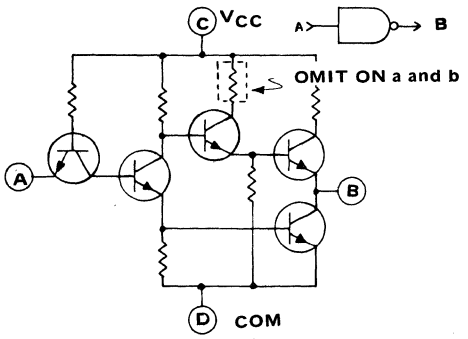
K06-103

	CKT No.	PKG	A	B	C	D
K06-103	1		1	14	4	11
	2		3	2	4	11
	3		5	6	4	11
	4		7	8	4	11
	5		9	10	4	11
	6		13	12	4	11
K06-103a	1	MP	1	2	14	7
	2		3	4	14	7
	3		5	6	14	7
	4		9	8	14	7
	5		11	10	14	7
	6		13	12	14	7
	1	FP	1	14	4	11
	2		3	2	4	11
	3		5	6	4	11
	4		7	8	4	11
	5		9	10	4	11
	6		13	12	4	11
K06-103b	1		1	2	4	10
	2		3	5	4	10
	3		6	7	4	10
	4		8	9	4	10
	5		11	12	4	10
	6		13	14	4	10

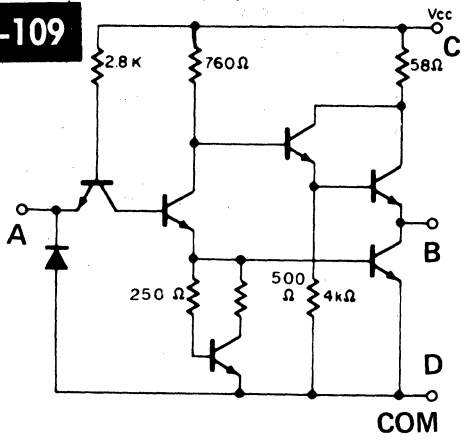


K06-106

	PKG	CKT	A	B	C	D
K06-106		1	1	2	4	10
		2	3	5	4	10
		3	6	7	4	10
		4	8	9	4	10
		5	11	12	4	10
		6	13	14	4	10
K06-106a	MP	1	1	2	14	7
		2	3	4	14	7
		3	5	6	14	7
		4	9	8	14	7
		5	11	10	14	7
		6	13	12	14	7
	FP	1	1	14	4	11
		2	3	2	4	11
		3	5	6	4	11
		4	7	8	4	11
		5	9	10	4	11
		6	13	12	4	11

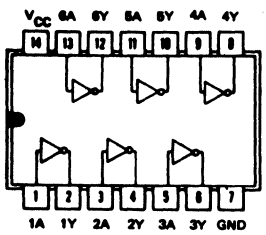


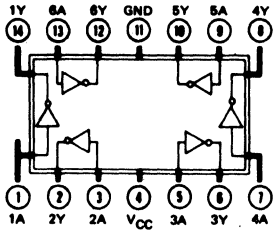
K06-109

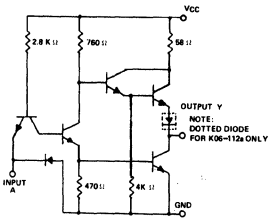


	PKG	CKT	A	B	C	D
K06-109	M	1	1	2	14	7
		2	3	4	14	7
		3	5	6	14	7
		4	9	8	14	7
		5	11	10	14	7
		6	13	12	14	7
	FP	1	1	14	4	11
		2	3	2	4	11
		3	5	6	4	11
		4	7	8	4	11
		5	9	10	4	11
		6	13	12	4	11
K06-109a	FP, M	1	1	2	14	7
		2	3	5	14	7
		3	6	7	14	7
		4	8	9	14	7
		5	11	12	14	7
		6	13	14	14	7
K06-109b	FP, M	1	1	2	14	7
		2	3	4	14	7
		3	5	6	14	7
		4	9	8	14	7
		5	11	10	14	7
		6	13	12	14	7

K06-112



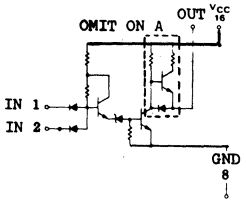




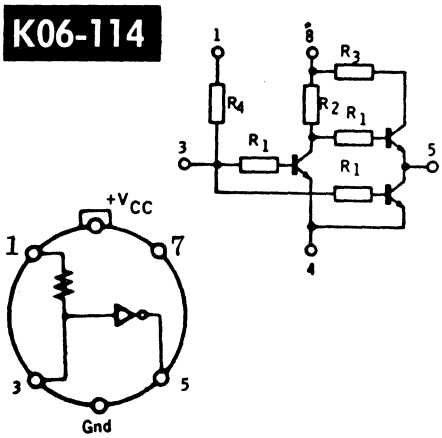
	REMARKS
K06-112	OMIT DOTTED DIODE
K06-112a	AS SHOWN
K06-112b	OMIT CLAMPING DIODE

K06-113

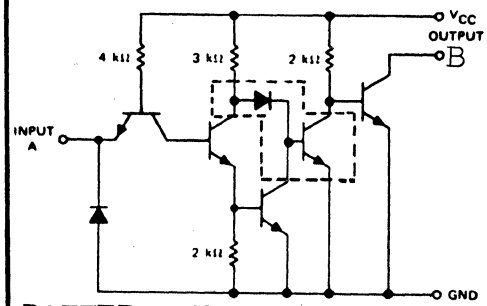
	CKT.NO.	IN1	IN2	OUT
K06-113,a	1	3	4	5
	2	6	4	7
	3	1	12	2
	4	10	12	9
	5	13	12	11
	6	15	12	14



K06-114



K06-115

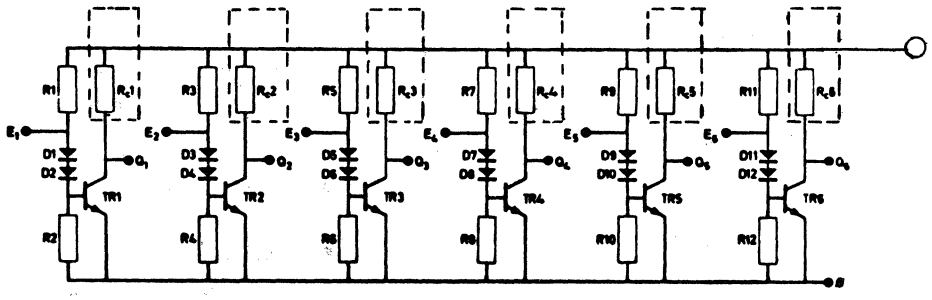


DOTTED AREA OMITTED ON A

	NO.CKTS.	A	B	VCC	GND
K06-115,a	1	1	2	14	7
	2	3	4		
	3	5	6		
	4	9	8		
	5	11	10		
	6	13	12		

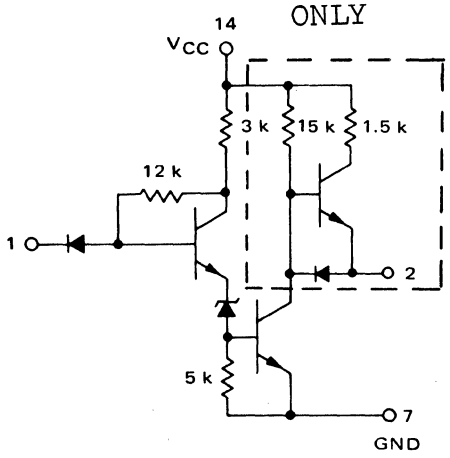
K06-116

DOTTED SECTIONS ON K06-116a ONLY



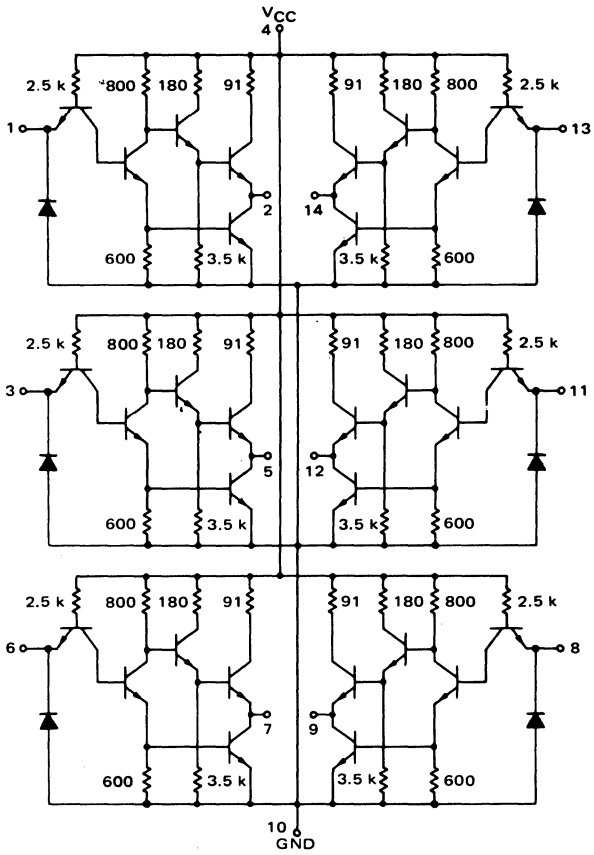
K06-117

K06-117a ONLY

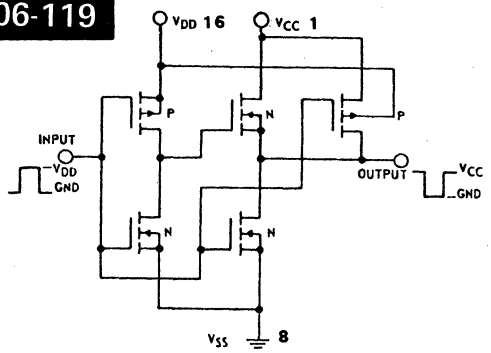


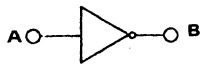
K06-117,a	CKT	A	B
	1	1	2
	2	3	4
	3	5	6
	4	9	8
	5	11	10
	6	13	12

K06-118



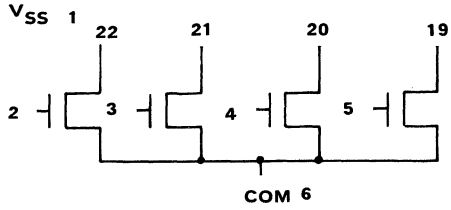
K06-119





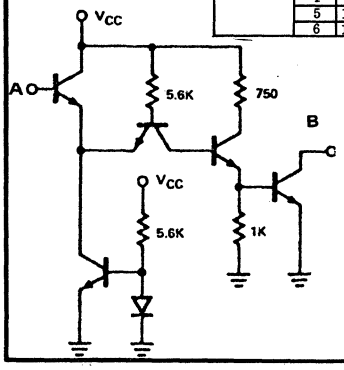
K06-119	CKT	A	B
	1	3	2
	2	5	4
	3	7	6
	4	9	10
	5	11	12
	6	14	15

K06-120

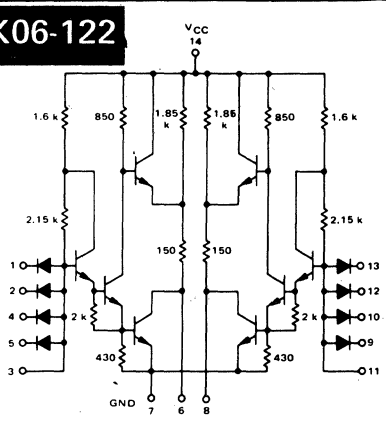


K06-121

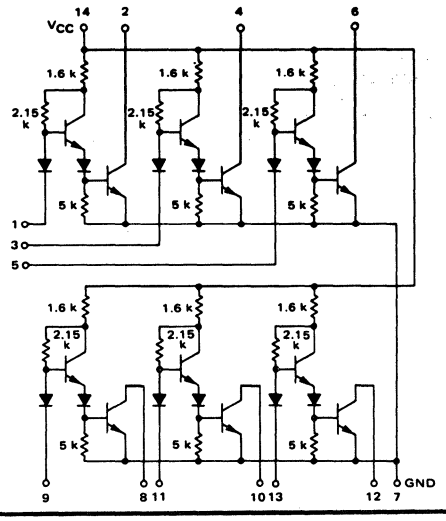
K06-121	CKT	A	B	VCC	GND
	1	3	2	8	1
	2	5	4		
	3	7	6		
	4	9	10		
	5	11	12		
	6	13	14		



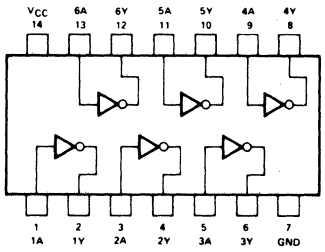
K06-122

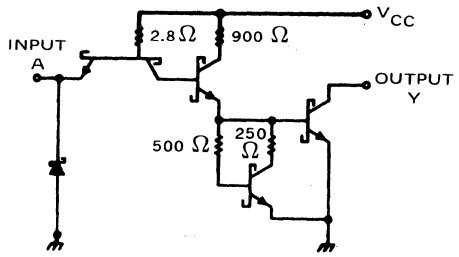


K06-123

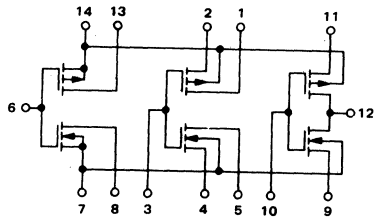


K06-125



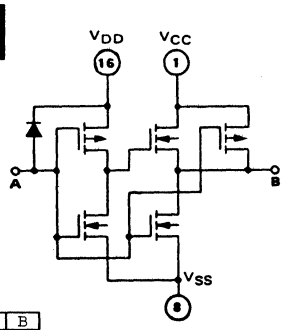


K06-129



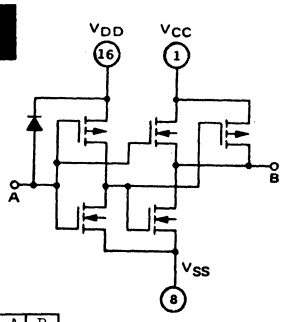
VDD = Pin 14
VSS = Pin 7

K06-130



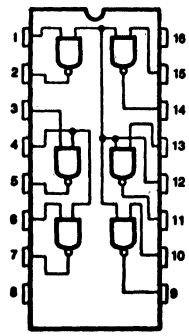
	CKT	A	B
K06-130	1	3	2
	2	5	4
	3	7	6
	4	9	10
	5	11	12
	6	14	15

K06-131



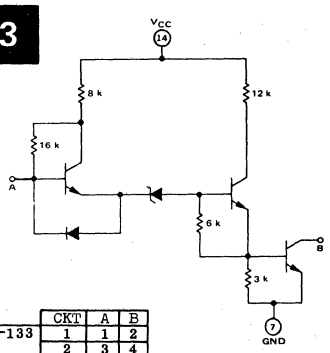
	CKT	A	B
K06-131	1	3	2
	2	5	4
	3	7	6
	4	9	10
	5	11	12
	6	14	15

K06-132



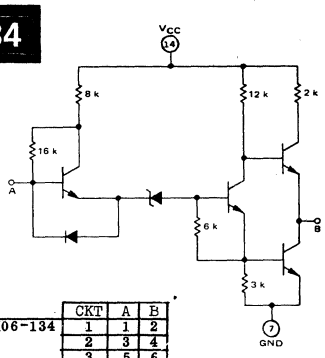
GND = PIN 8
VCC = PIN 16

K06-133



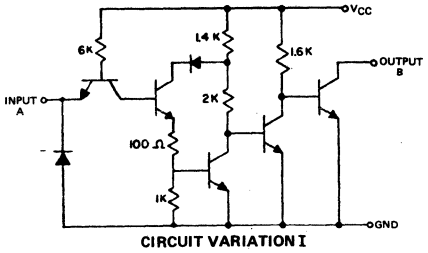
	CKT	A	B
K06-133	1	1	2
	2	3	4
	3	5	6
	4	9	8
	5	11	10
	6	13	12

K06-134

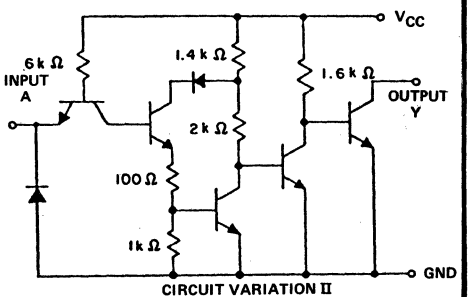


	CKT	A	B
K06-134	1	1	2
	2	3	4
	3	5	6
	4	9	8
	5	11	10
	6	13	12

K06-135



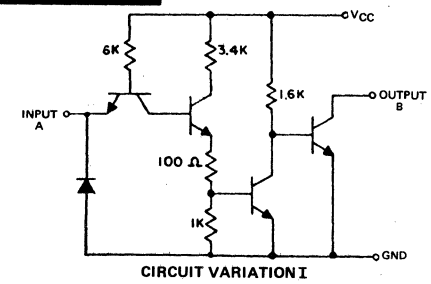
CIRCUIT VARIATION I



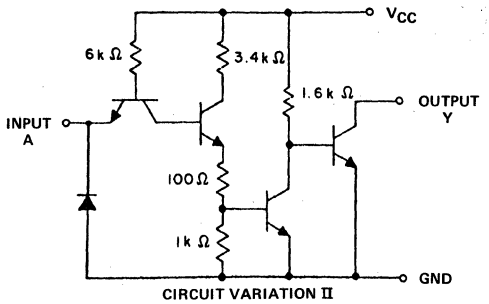
CIRCUIT VARIATION II

	NO. CKTS.	A	B	VCC	GND
K06-135	1	1	2	14	7
	2	3	4		
	3	5	6		
	4	9	8		
	5	11	10		
	6	13	12		

K06-136



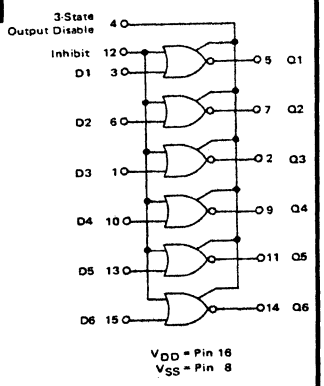
CIRCUIT VARIATION I



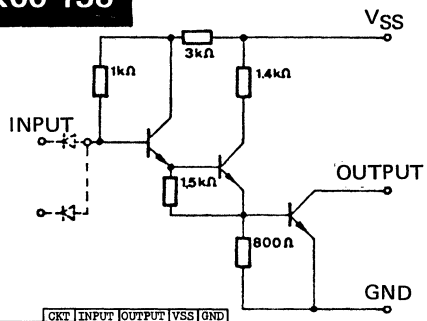
CIRCUIT VARIATION II

	NO. CKTS.	A	B	VCC	GND
K06-136	1	1	2	14	7
	2	3	4		
	3	5	6		
	4	9	8		
	5	11	10		
	6	13	12		

K06-137

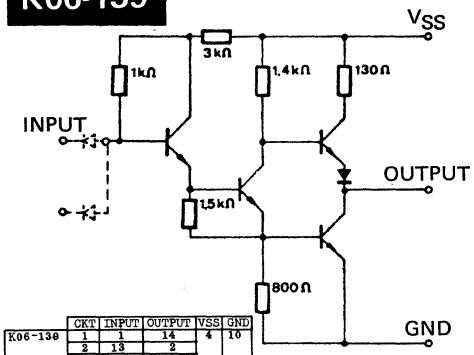


K06-138



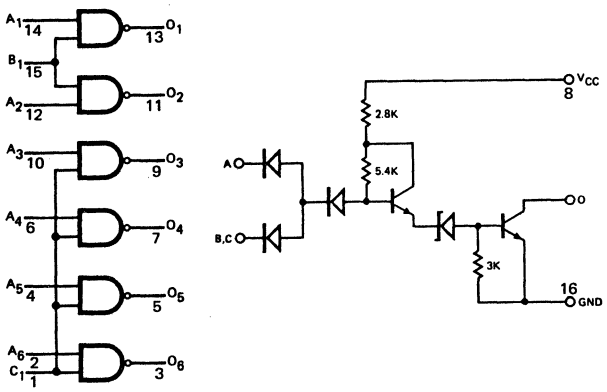
K06-138	CKT	INPUT	OUTPUT	VSS	GND
	1	1	14	4	10
	2	13	2		
	3	3	12		
	4	11	5		
	5	6	9		
	6	8	7		

K06-139

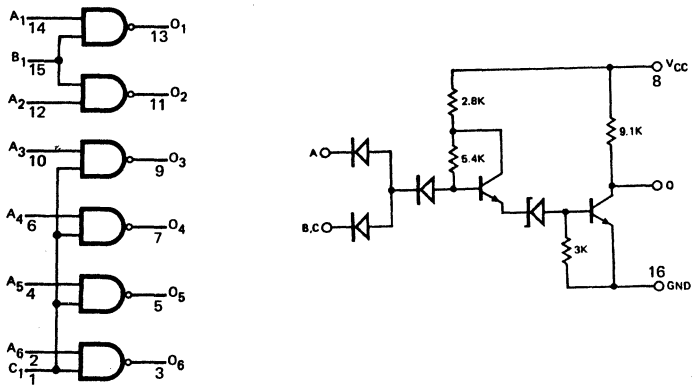


K06-139	CKT	INPUT	OUTPUT	VSS	GND
	1	1	14	4	10
	2	13	2		
	3	3	12		
	4	11	5		
	5	6	9		
	6	8	7		

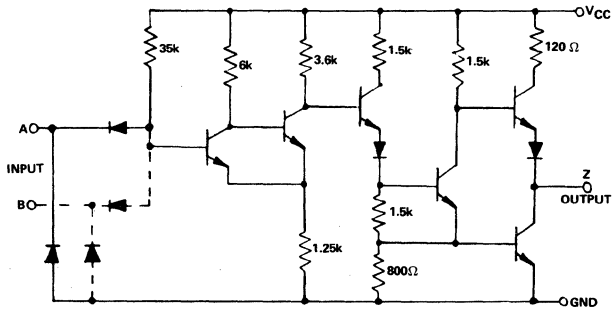
K06-140

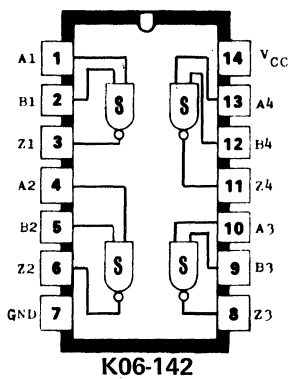


K06-141

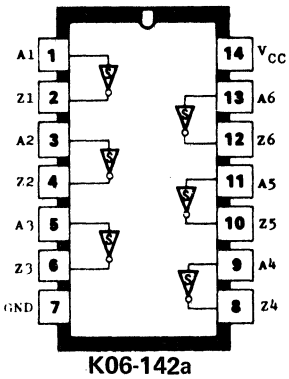


K06-142



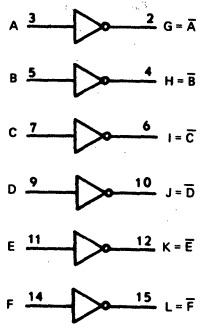


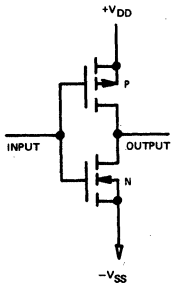
K06-142



K06-142a

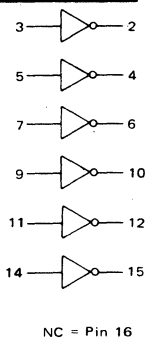
K06-143

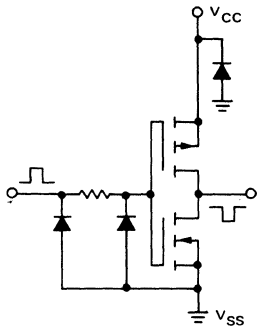




NC = 1,13
GND = 8
V_{DD} = 16

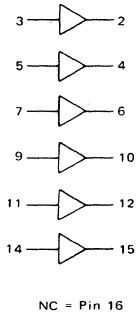
K06-144

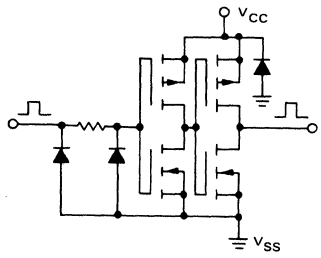




NC = Pin 16
V_{SS} = Pin 8
V_{CC} = Pin 1

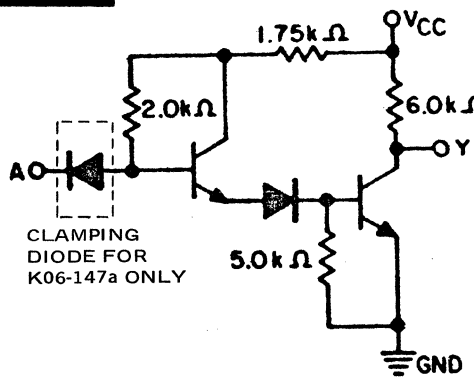
K06-145

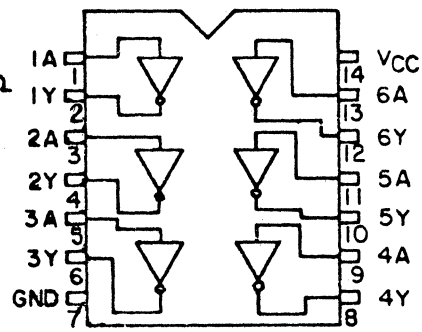




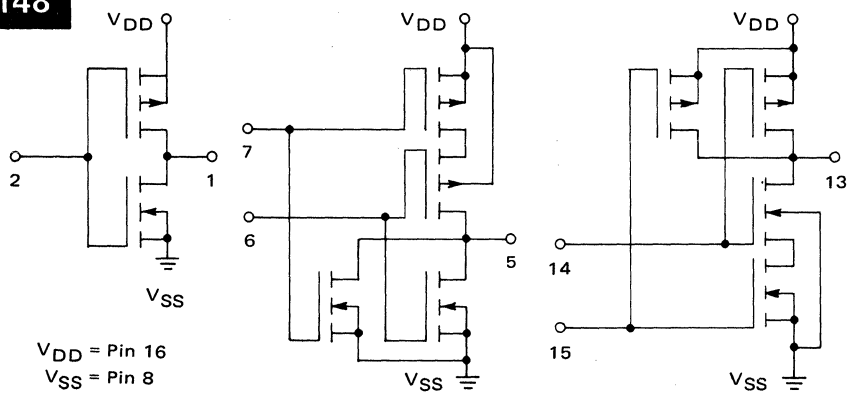
NC = Pin 16
V_{SS} = Pin 8
V_{CC} = Pin 1

K06-147



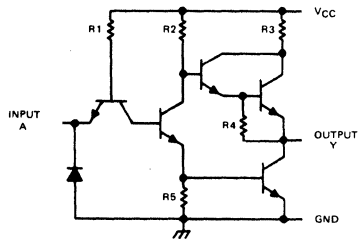


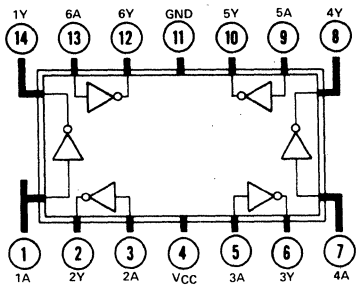
K06-148



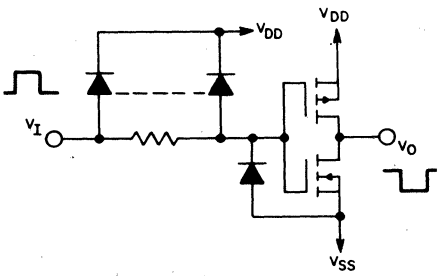
V_{DD} = Pin 16
V_{SS} = Pin 8

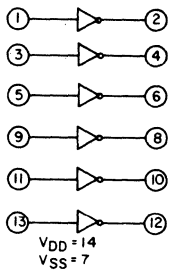
K06-149





K06-155

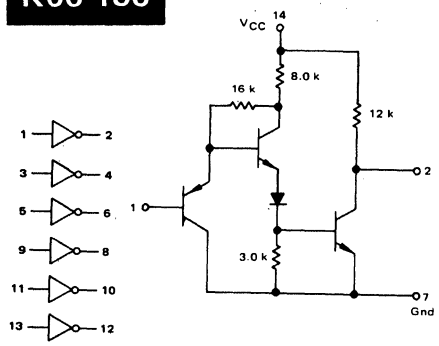




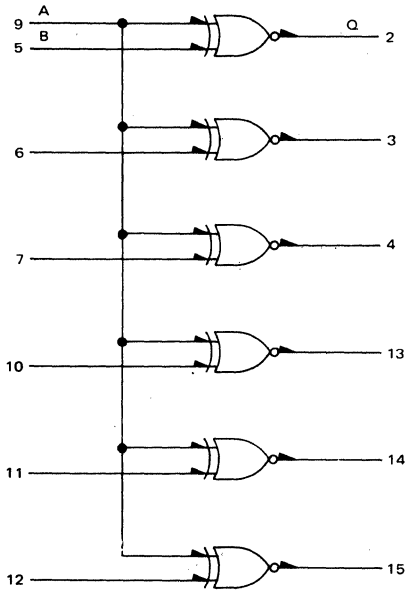
V_{DD} = 14
V_{SS} = 7

K06-156

1/6 OF CIRCUIT SHOWN

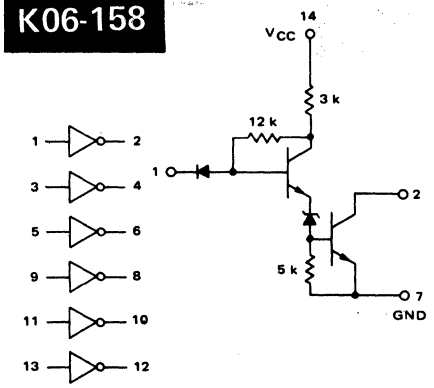


K06-157

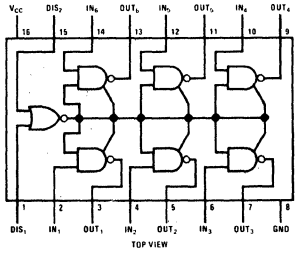


V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

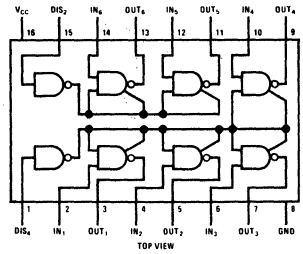
K06-158



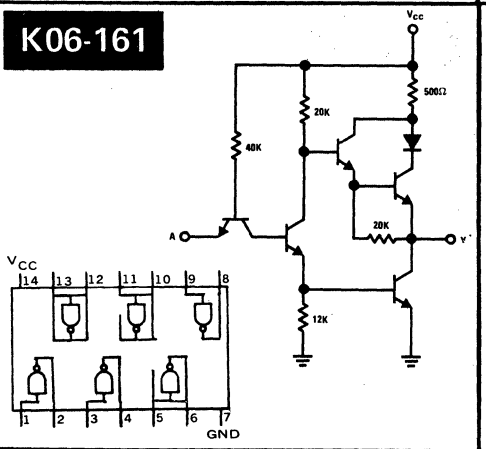
K06-159



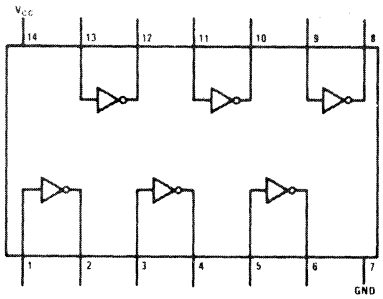
K06-160



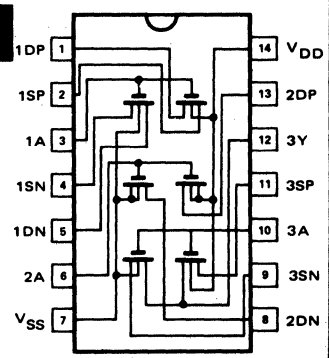
K06-161



K06-162

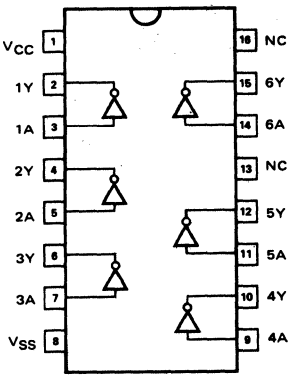


K06-163



positive logic with SP connected to V_{DD}, DP to DN (designated "Y"), SN to V_{SS}.

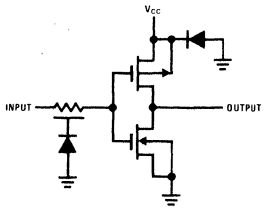
K06-164



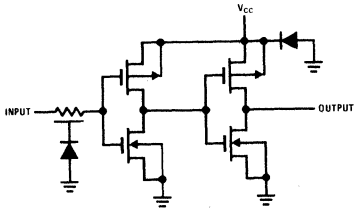
NC—No internal connection

K06-165

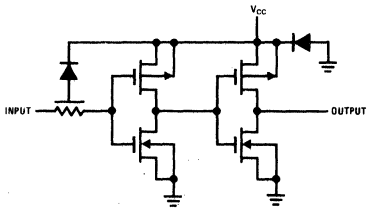
MM54C901/MM74C901
CMOS to TTL Inverting Buffer



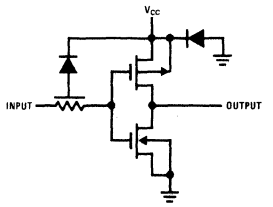
MM54C902/MM74C902
CMOS to TTL Buffer

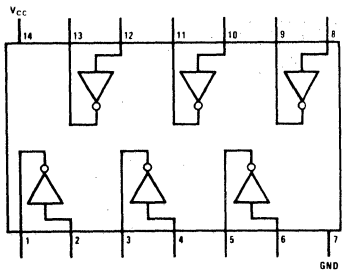


MM54C904/MM74C904
PMOS to TTL or CMOS Buffer

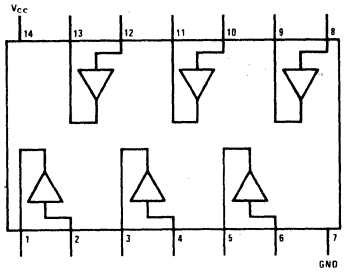


MM54C903/MM74C903
PMOS to TTL or CMOS Inverting Buffer



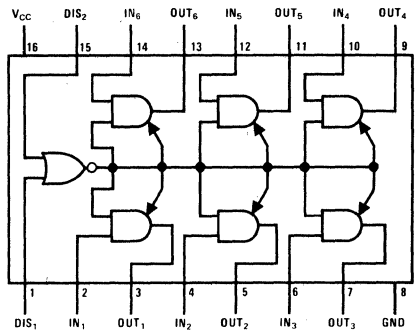


TOP VIEW



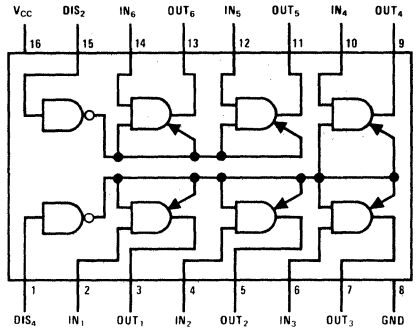
TOP VIEW

K06-166



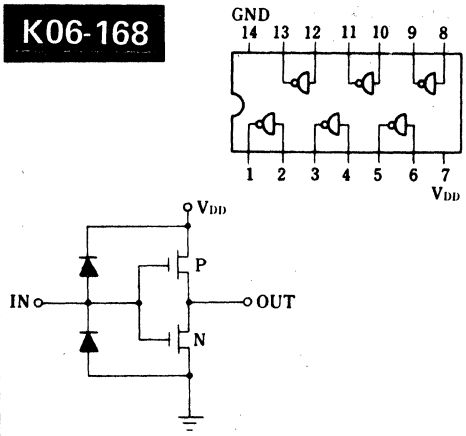
TOP VIEW

K06-167

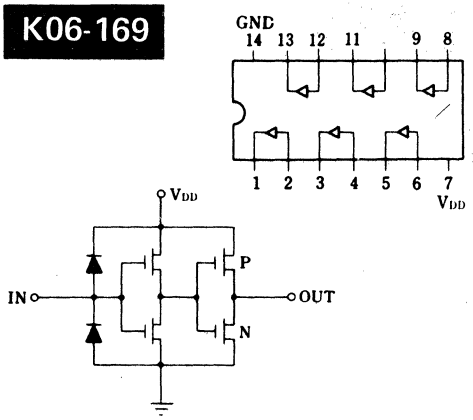


TOP VIEW

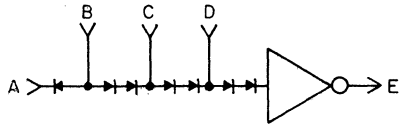
K06-168



K06-169

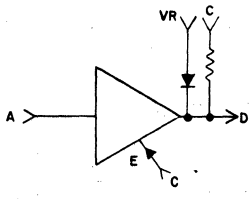


K07-10



CKT NO	1	2	3
A	J	P	V
B	H	N	U
C	F	M	T
D	E	L	S
F	D	K	R

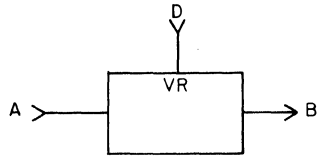
K07-11



CKT NO	1	2	3
A	D	K	R
B	E	L	S
C	F	M	T
D	H	N	U

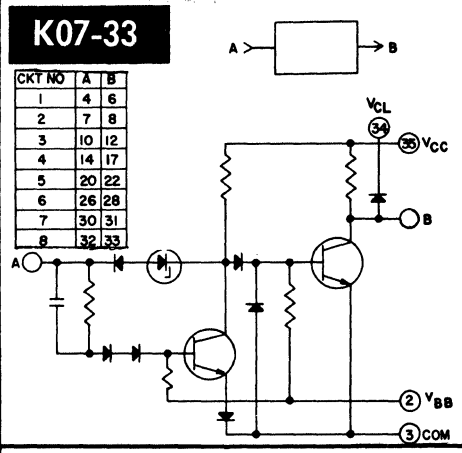
K07IIA THE REFERENCE VOLTAGE TERMINAL (C) OF THE SECOND AND THIRD CIRCUIT ARE TIED TOGETHER AT PIN"

K07-12



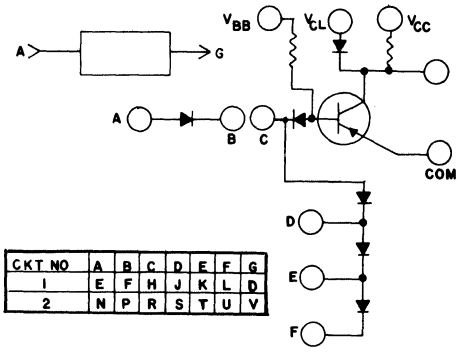
CKT NO	1	2	3	4	5	6
A	F	J	L	N	R	T
B	H	K	M	P	S	U

K07-33



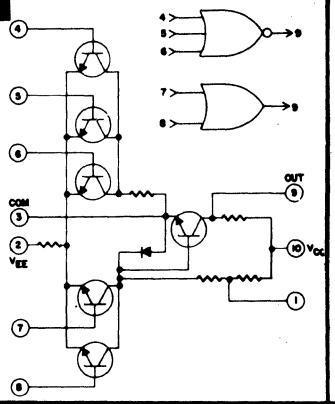
CKT NO	A	B
1	4	6
2	7	8
3	10	12
4	14	17
5	20	22
6	26	28
7	30	31
8	32	33

K07-35

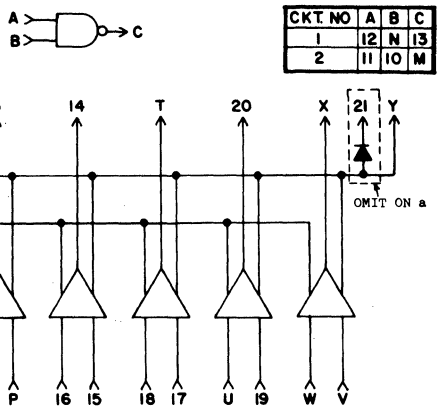


CKT NO	A	B	C	D	E	F	G
1	E	F	H	J	K	L	D
2	N	P	R	S	T	U	V

K07-38



K07-40

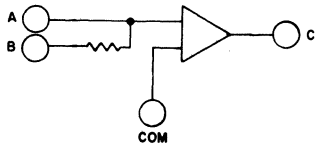


CKT NO	A	B	C
1	12	N	13
2	11	10	M

K07-45

	CKT NO	A	B	C
K07-45	1	3	4	1
	2	C	D	2
	3	F	E	7
	4	6	5	8
	5	16	17	14
	6	T	U	15
	7	W	X	21
	8	20	19	22
K07-45 A	1	8	9	4
	2	6	7	5
	3	12	13	16
	4	10	11	17
	5	23	24	18
	6	21	22	20
	7	27	28	32
	8	25	26	33

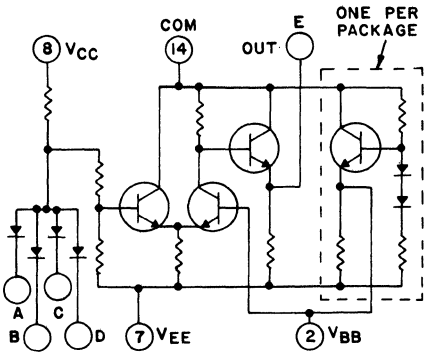
K07-46



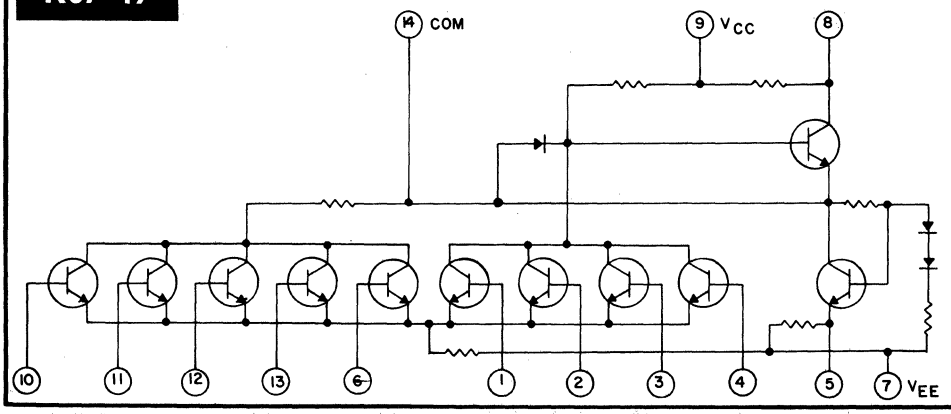
CKT NO	A	B	C	COM
1	E	5	D	4
2	H	7	F	6
3	L	10	K	9
4	N	12	M	11
5	S	15	R	14
6	U	17	T	16
7	X	20	W	19
8	Z	22	Y	21

K07-48

CKT NO.	A	B	C	D	E
1	3	4	5	6	1
2	9	10	11	12	13

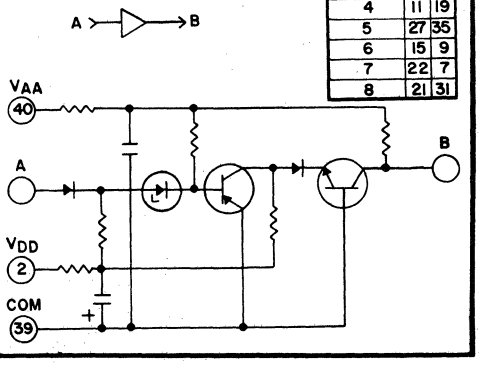


K07-49



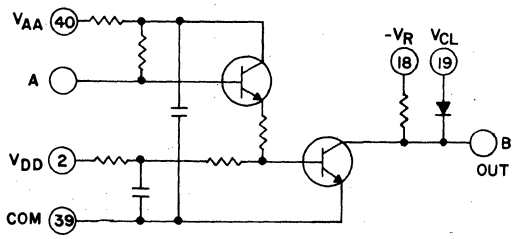
K07-52

CKT NO.	A	B
1	33	24
2	13	17
3	26	29
4	11	19
5	27	35
6	15	9
7	22	7
8	21	31

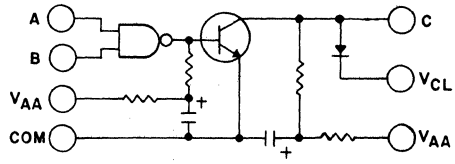


K07-53

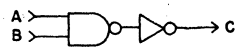
CKT. NO.	A	B
1	23	27
2	29	31
3	33	35
4	25	21
5	15	8
6	9	7
7	13	11
8	5	4



K07-54

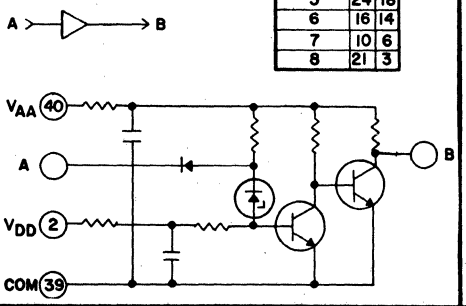


CKT. NO.	A	B	C
1	24	27	35
2	28	25	33
3	30	23	31
4	26	21	29
5	15	6	17
6	13	12	7
7	11	4	5
8	9	8	3

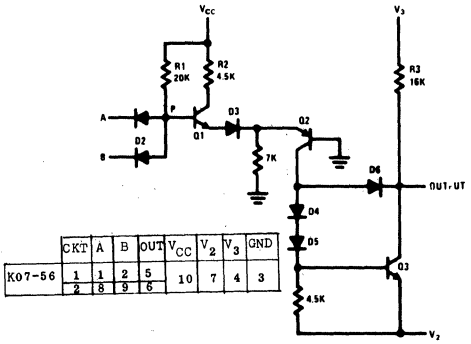


K07-55

CKT. NO.	A	B
1	34	36
2	30	32
3	28	26
4	20	22
5	24	18
6	16	14
7	10	6
8	21	3

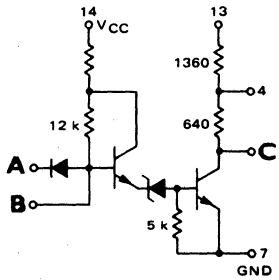


K07-56



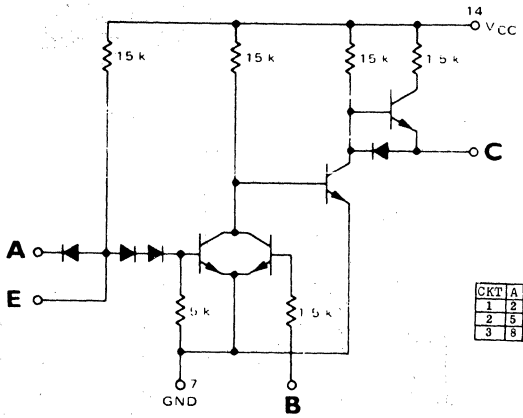
	CKT	A	B	OUT	V_{CC}	V_2	V_3	GND
K07-56	1	1	2	5	10	7	4	3
	2	8	9	6				

K07-57



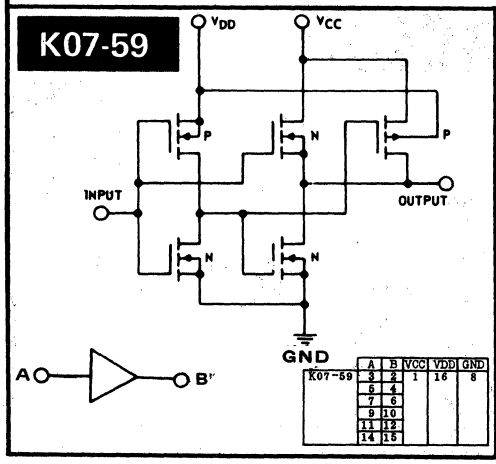
CKT	A	B	C
1	1	2	3
2	6	5	8
3	11	NC	10

K07-58



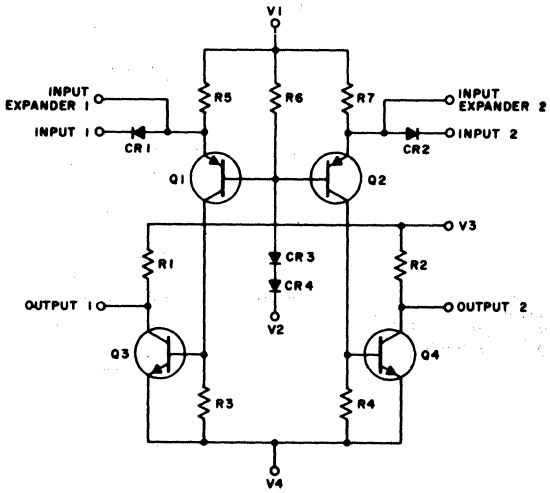
CKT	A	B	C	E
1	2	13	12	1
2	5	4	3	6
3	8	10	11	9

K07-59

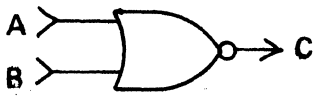


K07-59	A	B	VCC	VDD	GND
	3	2	1	16	8
	6	4			
	7	6			
	9	10			
	11	12			
	14	15			

K07-60

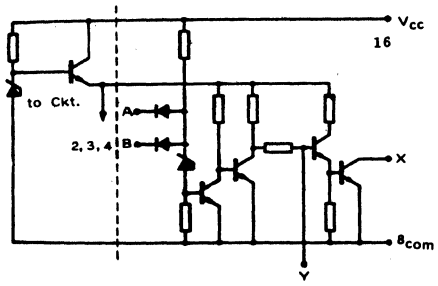


K07-61

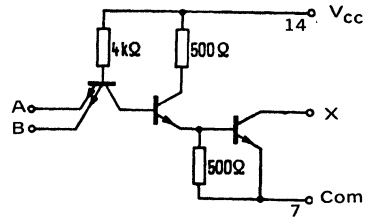


	CKT NO.	A	B	C
K07-61	1	3	4	2
	2	5	6	7
	3	11	12	10
	4	13	14	15

K07-64

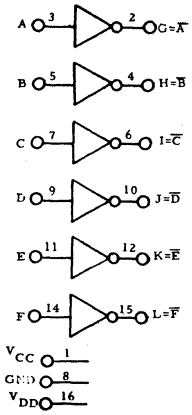


K07-65

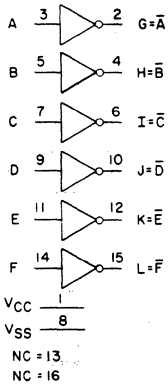


	CKT	A	B	X
K07-65	1	1	2	3
	2	4	5	6
	3	10	9	8
	4	13	12	11

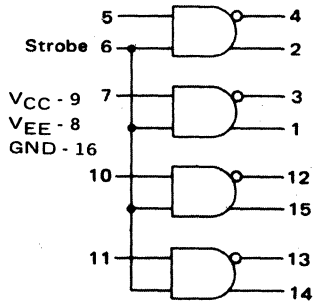
K07-67



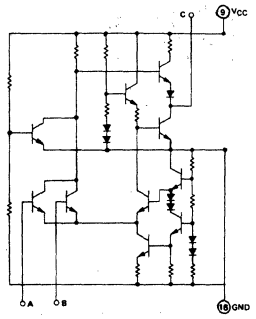
K07-68



K07-69

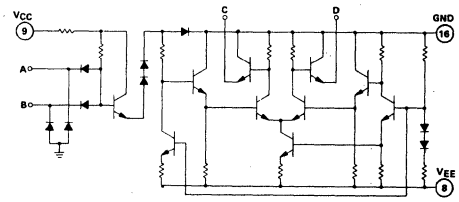


K07-70



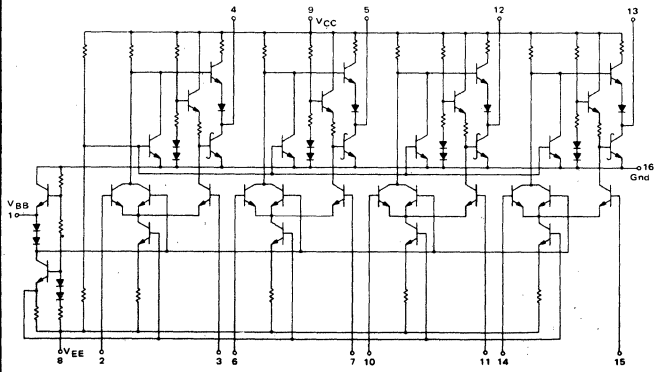
	CKT	A	B	C
K07-70	1	1	2	4
	2	6	7	5
	3	10	11	12
	4	14	15	13

K07-71

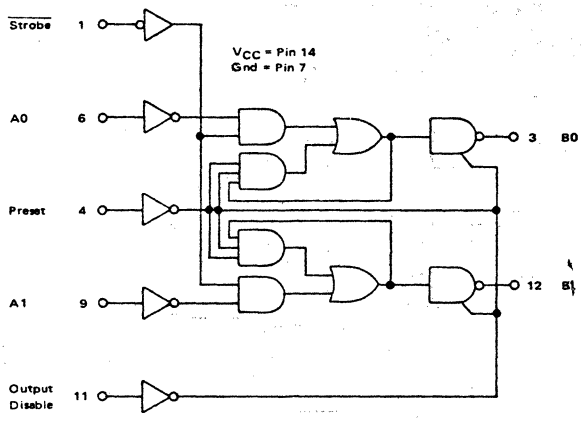


	CKT	A	B	C	D
K07-71	1	5	6	4	2
	2	7	6	3	1
	3	10	6	12	15
	4	11	6	13	14

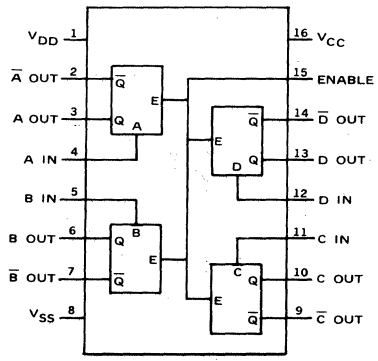
K07-72



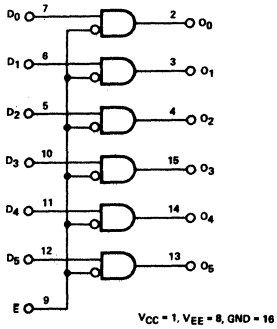
K07-73



K07-75

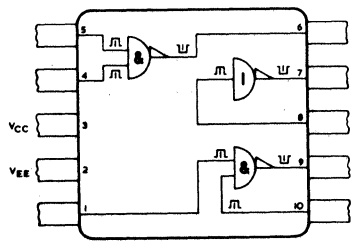


K07-76

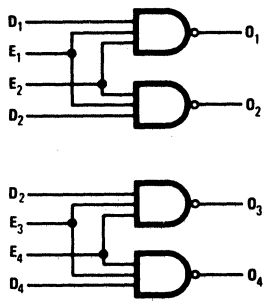


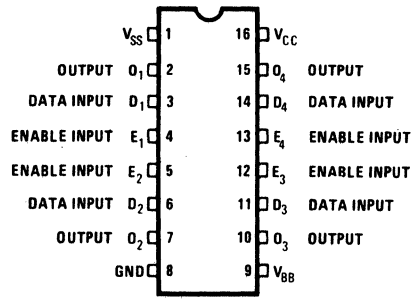
VCC = 1, VEE = 8, GND = 16

K07-77

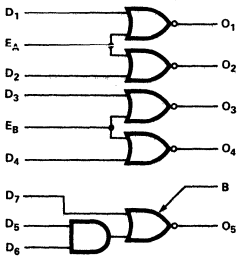


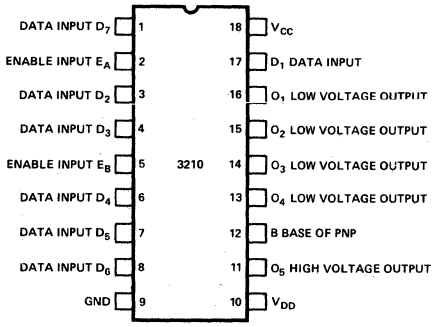
K07-78



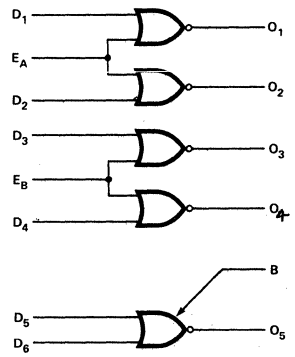


K07-79

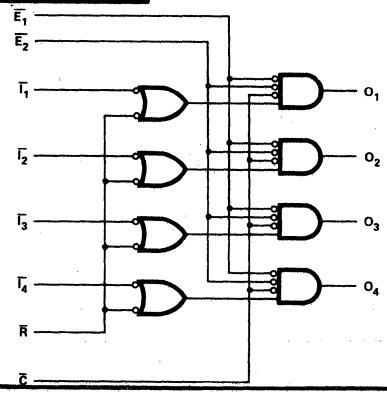


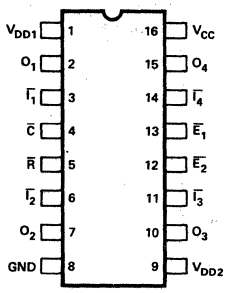


K07-80



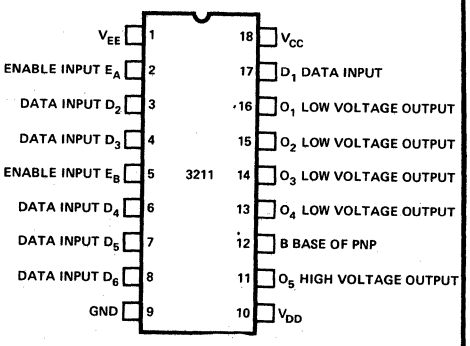
K07-81



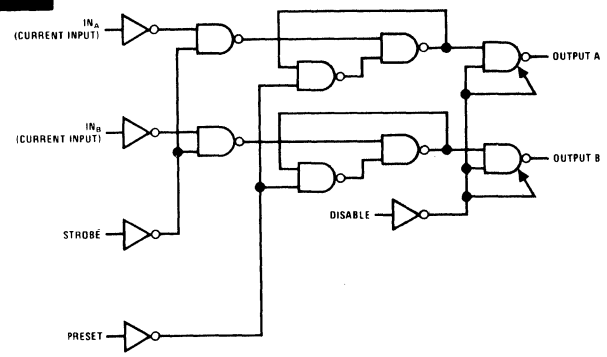


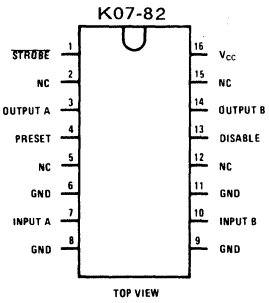
PIN NAMES

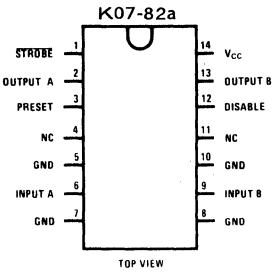
$\bar{I}_1$–$\bar{I}_4$	DATA INPUTS	O_1–O_4	DRIVER OUTPUTS
$\bar{E}_1$, $\bar{E}_2$	ENABLE INPUTS	V_{CC}	+5V POWER SUPPLY
$\bar{R}$	REFRESH SELECT INPUT	V_{DD1}	+12V POWER SUPPLY
$\bar{C}$	CLOCK CONTROL INPUT	V_{DD2}	+15V POWER SUPPLY



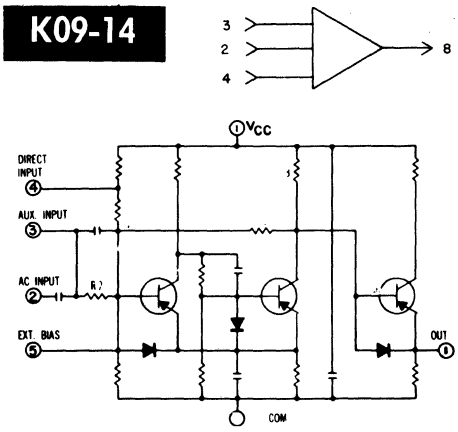
K07-82



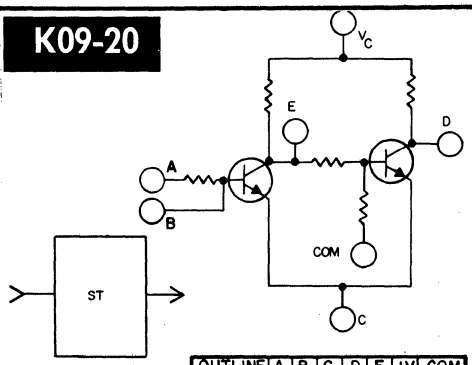




K09-14

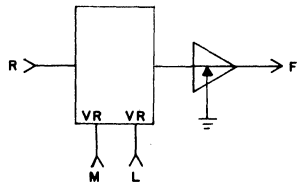


K09-20

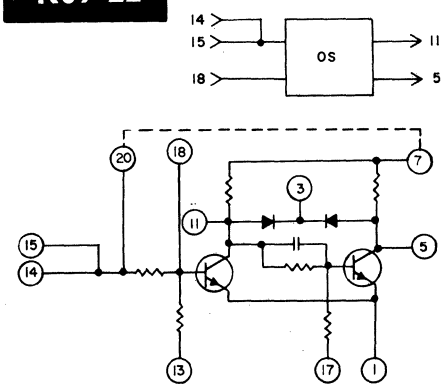


	OUTLINE	A	B	C	D	E	IV	COM
K09-20	G	9	5	10	8	6	7	4
	Q&T	2	3	4	1	7	8	5
K09-20A	MP	9	5	10	8	6	7	4

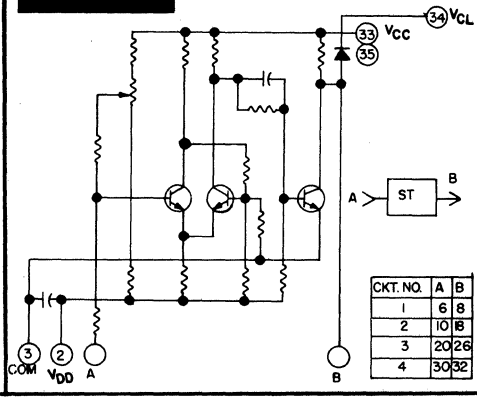
K09-21



K09-22

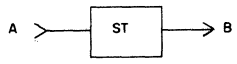


K09-37

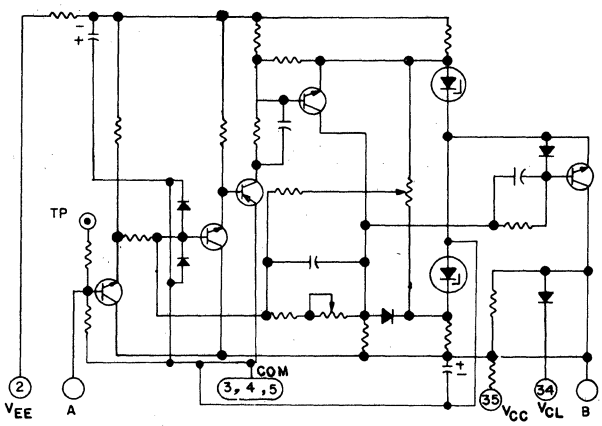


CKT. NO.	A	B
1	6	8
2	10	8
3	20	26
4	30	32

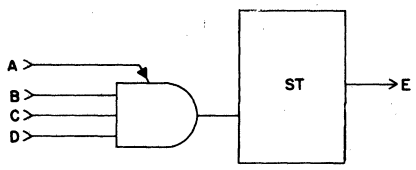
K09-38



CKT. NO.	A	B
1	14	12
2	18	20



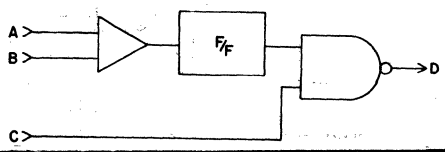
K09-44



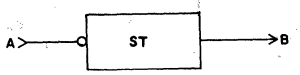
CKT. NO	A	B	C	D	E
1	2	1	14	13	12
2	6	7	8	9	11

K09-45

CKT. NO	A	B	C	D
1	8	11	4	5
2	16	14	21	20

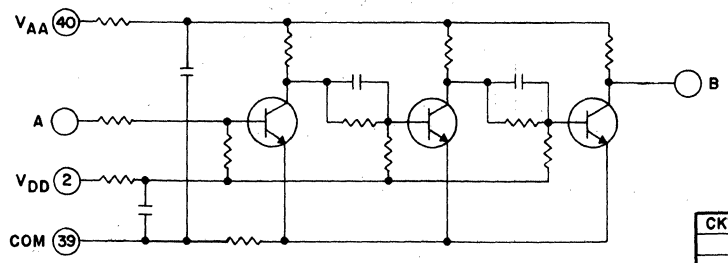


K09-46



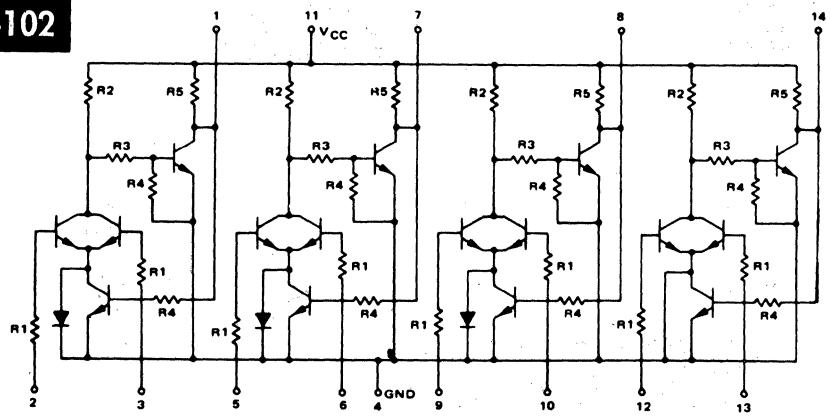
	CKT. NO.	A	B
K09-46	1	L	3
	2	Z	S
K09-46A	1	4	17
	2	35	19

K09-101

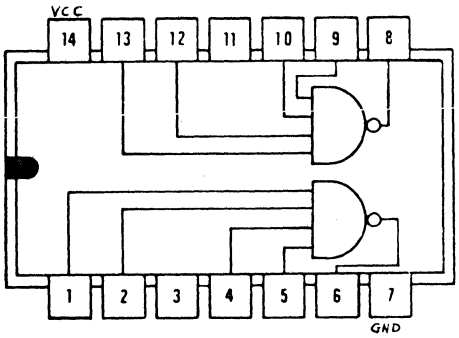


CKT. NO.	A	B
1	36	8
2	34	6
3	32	10

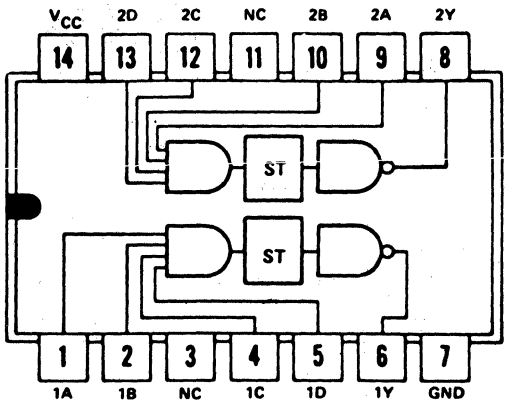
K09-102



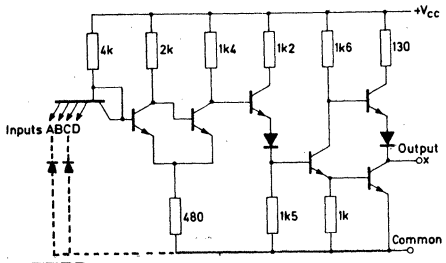
K09-104



K09-105



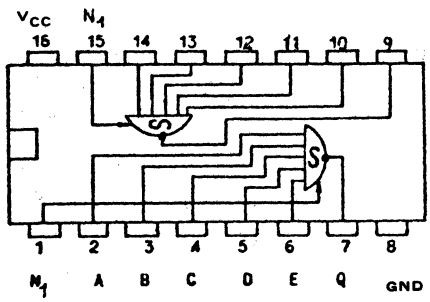
K09-106



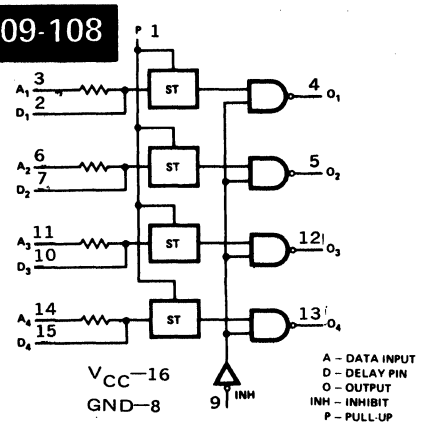
DOTTED PORTION FOR K09-106a ONLY

	CKT	A	B	C	D	X	VCC	COM
K09-106	1	1	2	4	5	6	14	7
	2	9	10	12	13	8	14	7
K09-106a	1	1	2			3	14	7
	2	4	5			6		
	3	9	10			8		
	4	13	12			11		
K09-106b	1	1				2	14	7
	2	3				4		
	3	5				6		
	4	9				8		
	5	11				10		
	6	13				12		

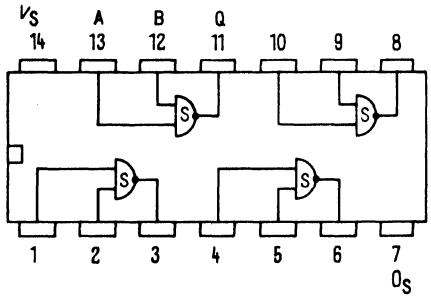
K09-107



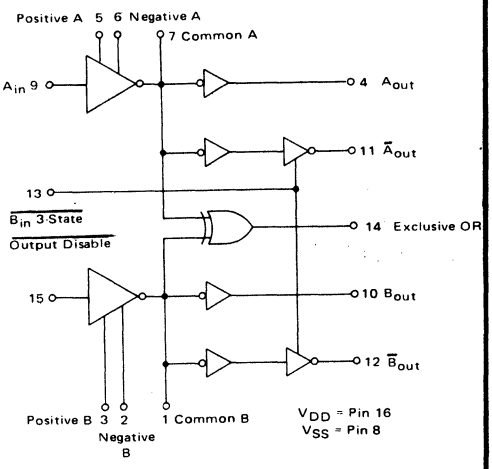
K09-108



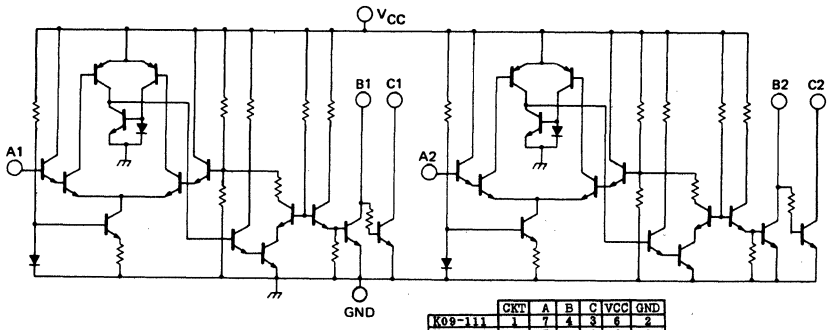
K09-109



K09-110

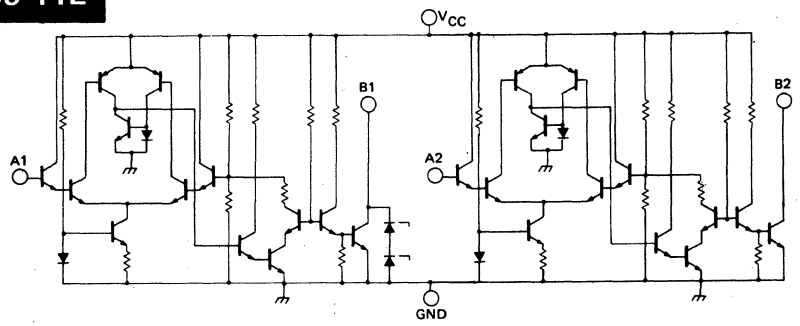


K09-111



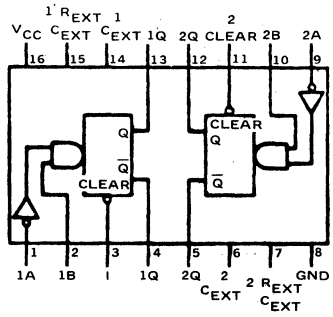
	CKT	A	B	C	VCC	GND
K09-111	1	7	4	3	6	2
K09-111a	1	7	1	8	6	2
	2	5	3	4		

K09-112

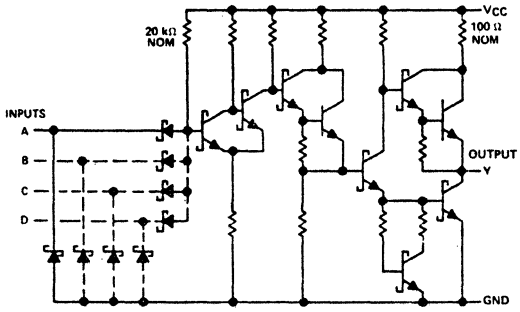


	CKT	A	B
K09-112	1	7	3
K09-112a	1	7	3
	2	5	4

K09-113

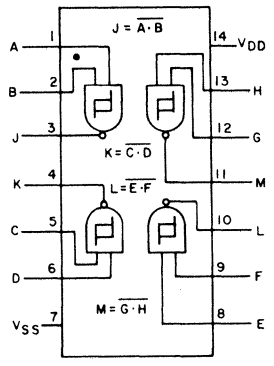


K09-114

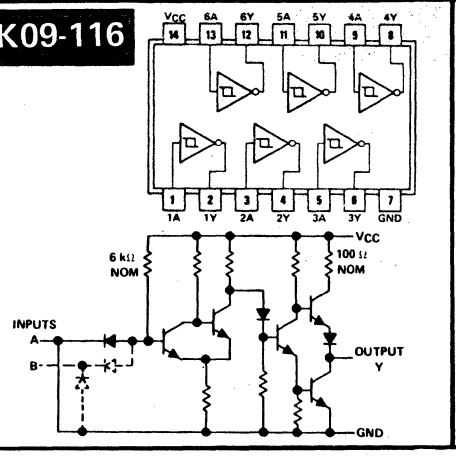


	CKT	A	B	C	D	Y	VCC	GND
K09-114	1	1				2	14	7
	2	3				4		
	3	5				6		
	4	9				8		
	5	11				10		
	6	13				12		
K09-114a	1	1	2	4	5	6	14	7
	2	9	10	12	13	8		
K09-114b	1	1	2			3	14	7
	2	4	5			6		
	3	9	10			8		
	4	12	13			11		

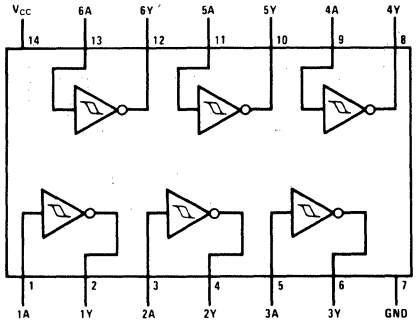
K09-115



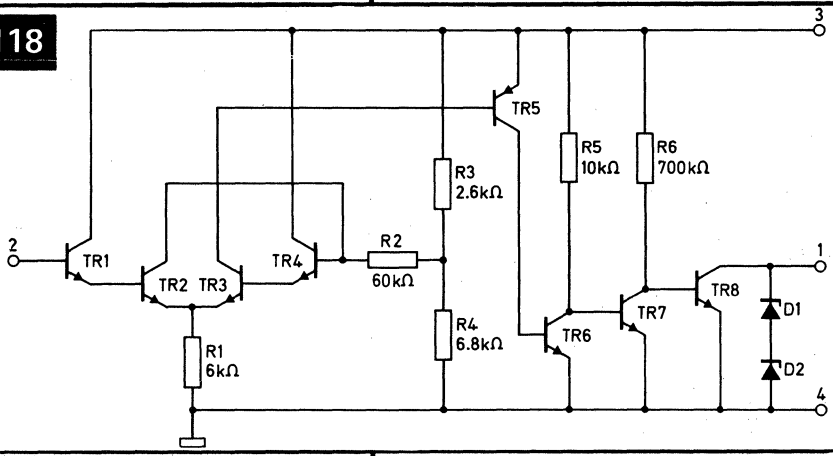
K09-116



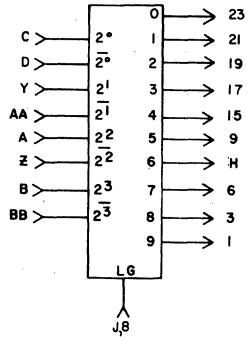
K09-117



K09-118

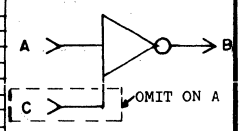


K10-1

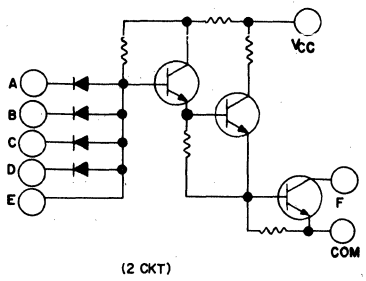


K10-11

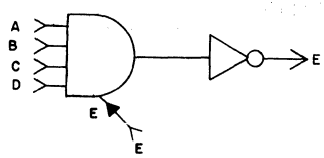
	CKT.No.	A	B	C
K10-11	1	E	D	
	2	H	F	
	3	K	J	
	4	M	L	
	5	P	N	
	6	S	R	
	7	U	T	V
K10-11a	1	E	F	
	2	H	J	
	3	K	L	
	4	M	N	
	5	P	R	
	6	S	T	
	7	U	V	
K10-11c	1	3	2	
	2	5	4	
	3	7	6	
	4	9	10	
	5	11	12	
	6	14	15	



K10-20

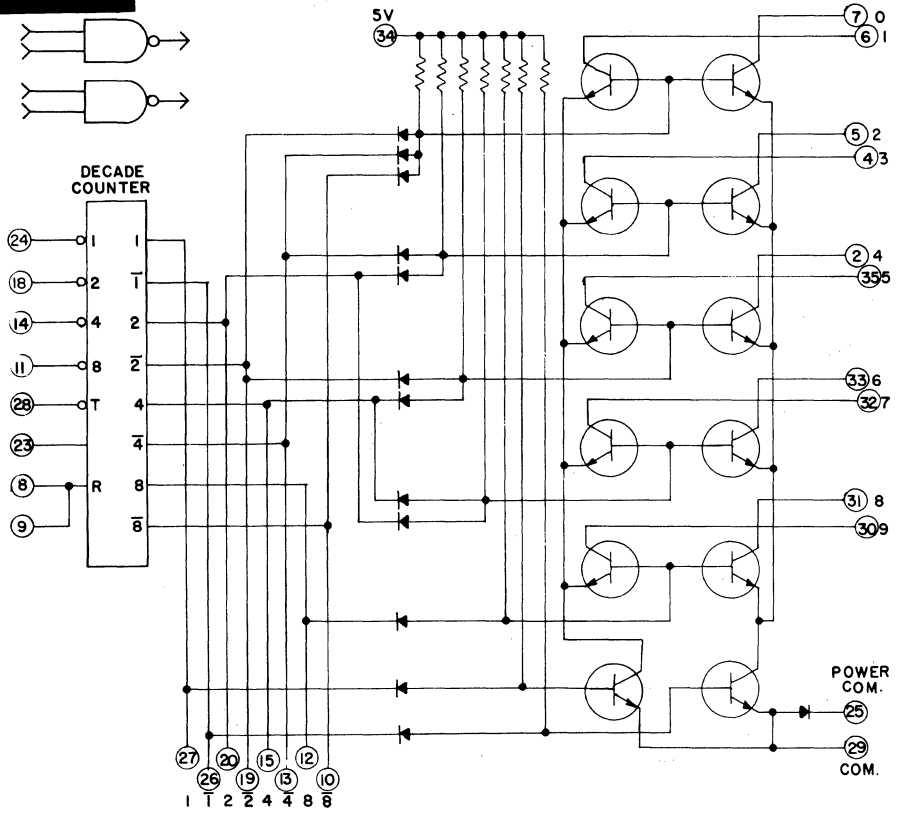


(2 CKT)



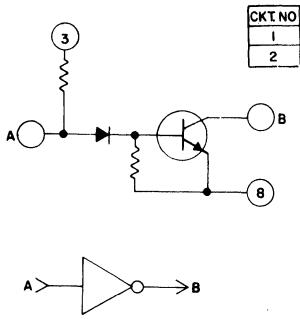
CKT NO.	A	B	C	D	E	F	VCC	COM	OUTLINE
1	1	2	3	NC	NC	4	10	5	CN_1
2	9	8	NC	NC	7	6	10	5	
1	1	2	4	5	3	6	14	7	TO 8 FP
2	13	12	10	9	11	8	14	7	
1	1	2	3	4		5	12	6	CN_2
2	11	9	8		10	7	12	6	

K10-22

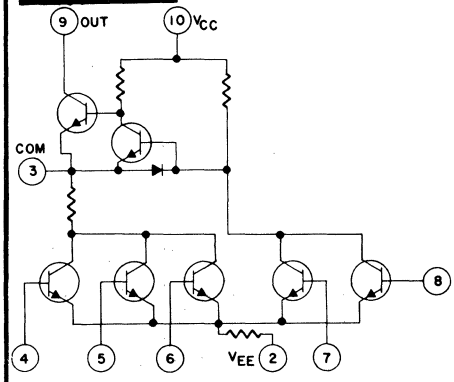


K10-29

CKT NO	A	B
1	1	6
2	2	5

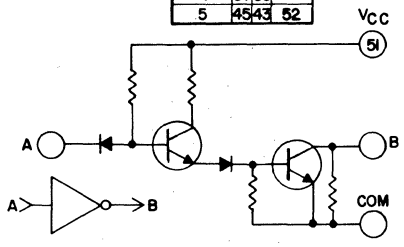


K10-31

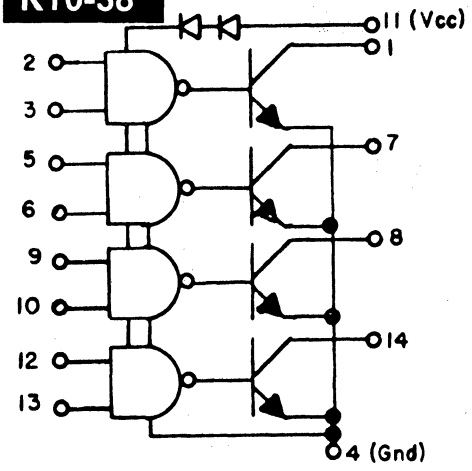


K10-35

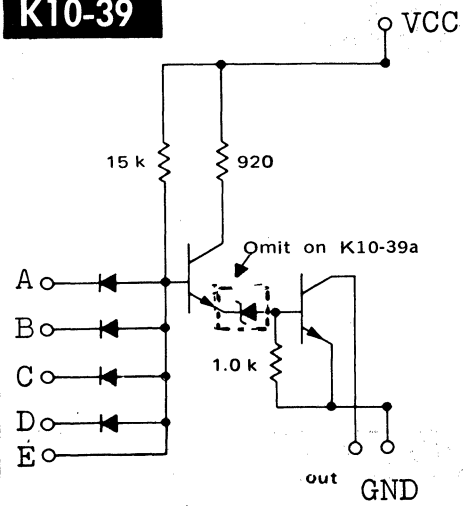
CKT NO	A	B	COM
1	11	7	1
2	19	15	2
3	29	25	39
4	37	33	49
5	45	43	52



K10-38

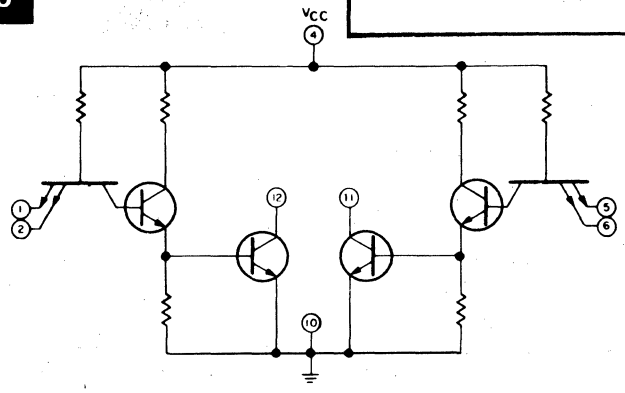


K10-39

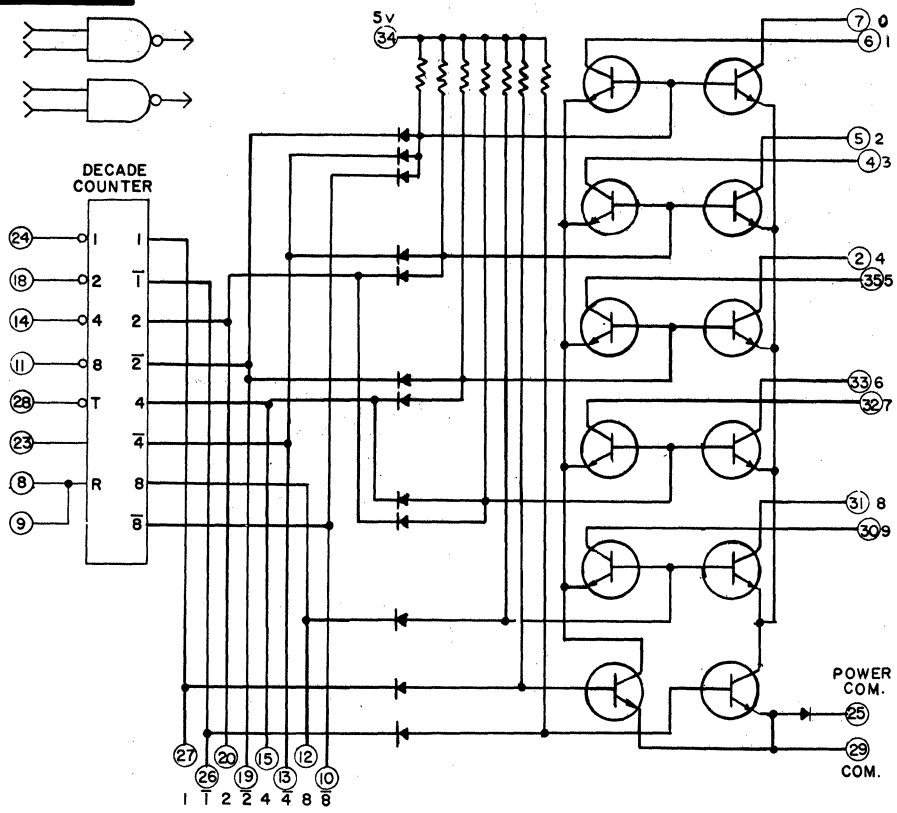


	CKT NO	A	B	C	D	E	OUT	VCC	GND
K10-39	1	1	2	4	5	3	6	14	7
	2	9	10	12	13	11	8		
K10-39a	1	1	2				3	4	10
	2	12	13				14	4	10
	3	5	6				7	4	10
	4	8	9				11	4	10
K10-39b	1	1	2	3	13		12	4	10
	2	5	6	7	9		11	4	10

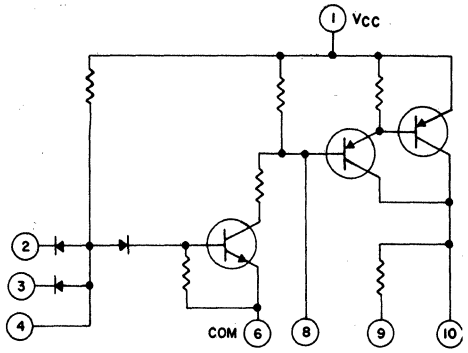
K10-40



K11-28

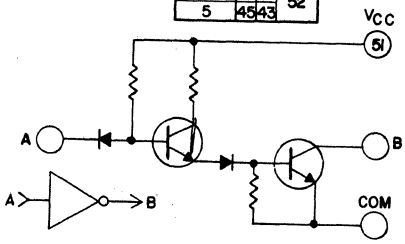


K11-31

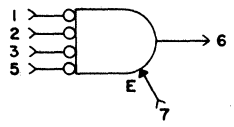


K11-32

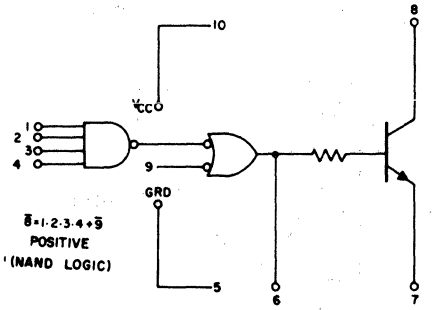
CKT. NO.	A	B	COM
1	11	7	1, 2, 39, 52
2	19	15	
3	29	25	
4	37	33	
5	45	43	



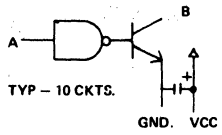
K11-33



K11-35

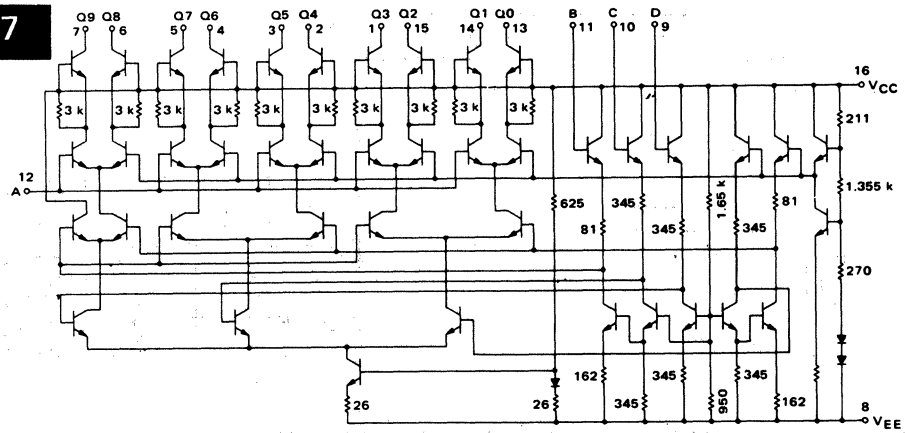


K11-36

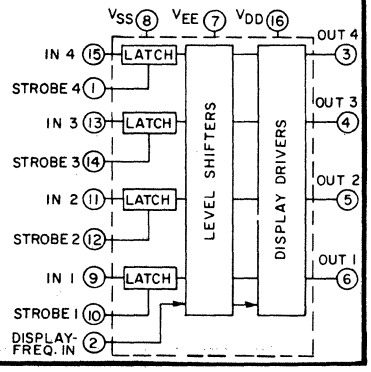


	CKT.	A	B	VCC	GND
K11-36	1	39	47	51	1,52
	2	41	45		
	3	43	49		
	4	37	33		
	5	35	29		
	6	17	23		
	7	19	25		
	8	15	3		
	9	13	9		
	10	11	5		

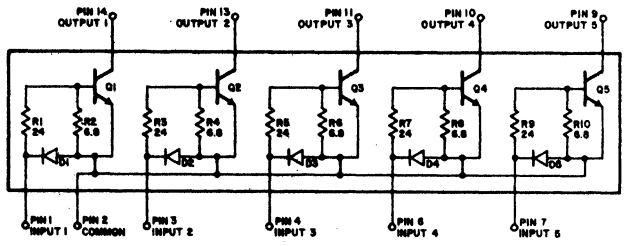
K11-37



K11-38

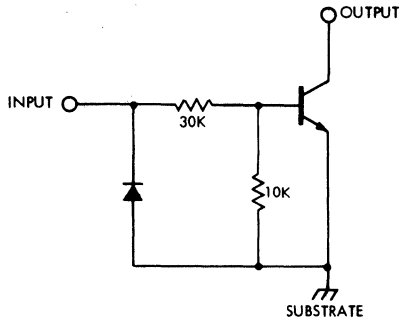


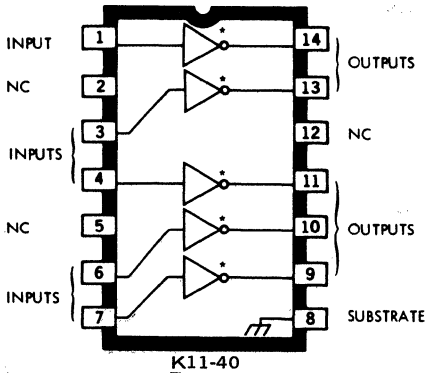
K11-39



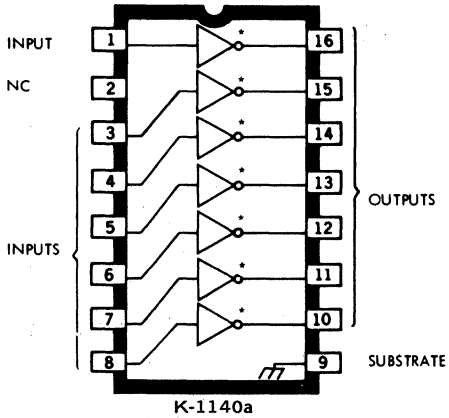
ALL RESISTOR VALUES IN kΩ WITHIN −5% TO +100% TOLERANCE

K11-40



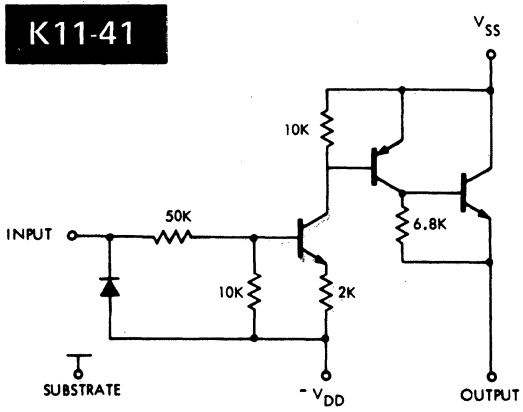


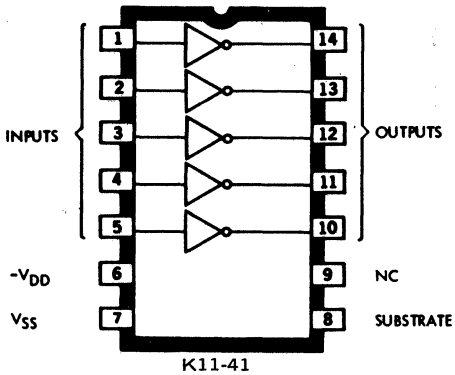
K11-40



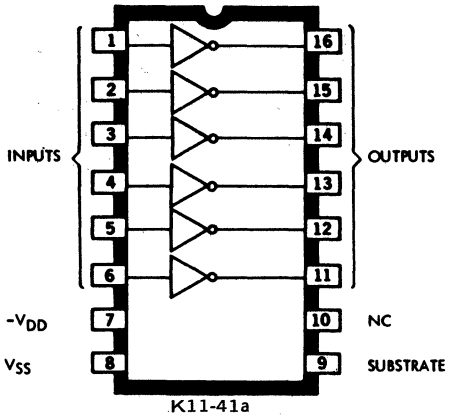
K-1140a

K11-41



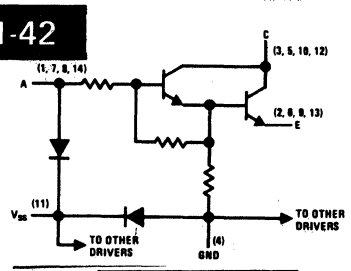


K11-41



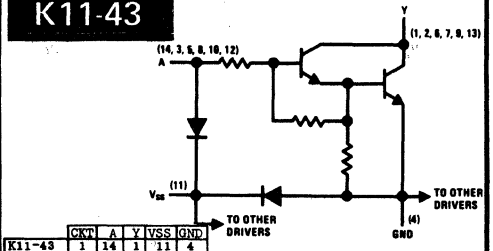
K11-41a

K11-42



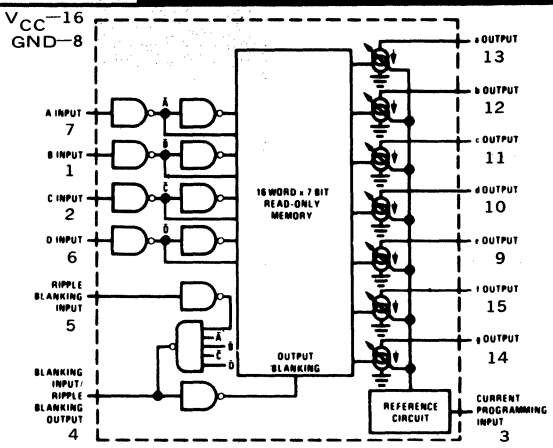
	CKT	A	C	E	VSS	GND
K11-42	1	1	3	2	11	4
	2	7	5	6		
	3	8	10	9		
	4	14	12	13		
K11-42a	1	4	2	3	18	9
	2	6	8	7		
	3	12	10	11		
	4	13	15	14		
	5	16	1	17		

K11-43

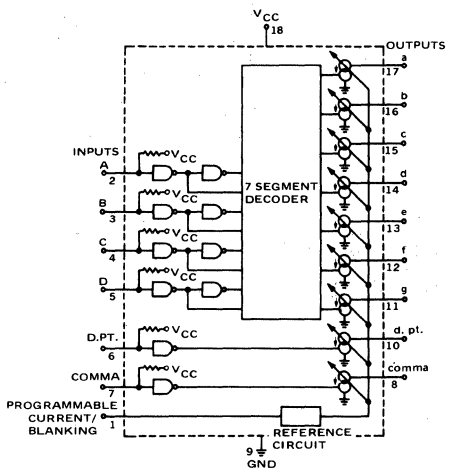


	CKT	A	Y	VSS	GND
K11-43	1	14	1	11	4
	2	3	2		
	3	5	6		
	4	8	7		
	5	10	9		
	6	12	13		
K11-43a	1	2	1	18	9
	2	3	4		
	3	6	5		
	4	8	7		
	5	11	10		
	6	13	12		
	7	15	14		
	8	17	16		

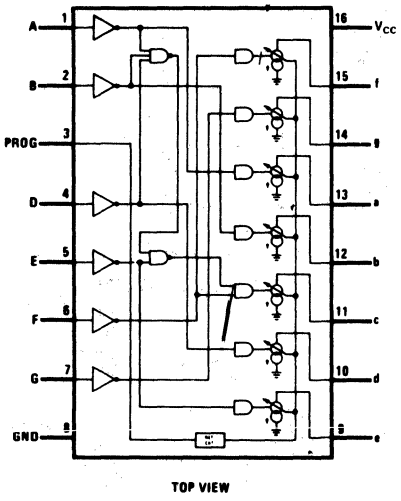
K11-44



K11-45

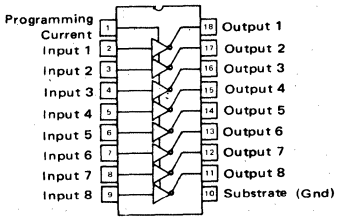


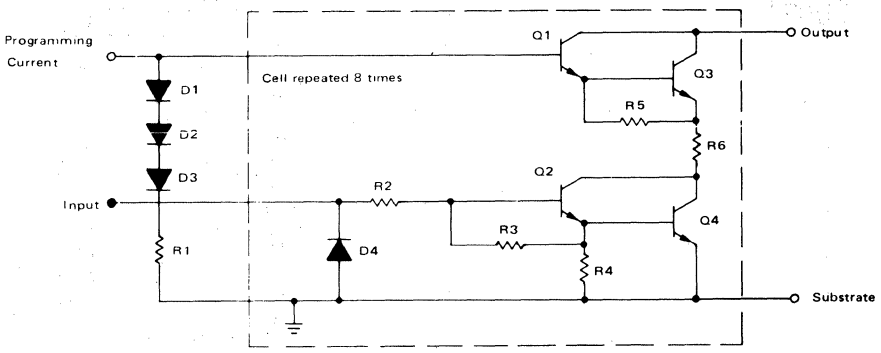
K11-46



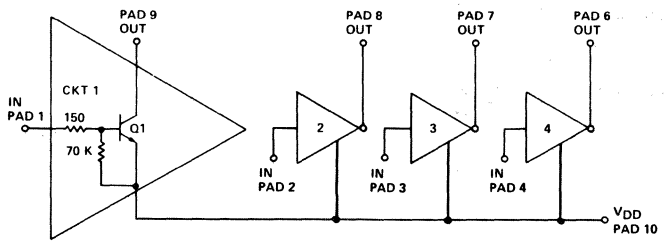
TOP VIEW

K11-47

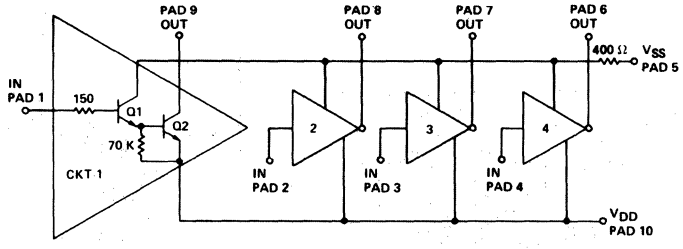




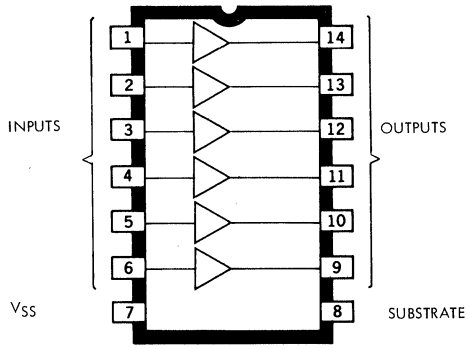
K11-55



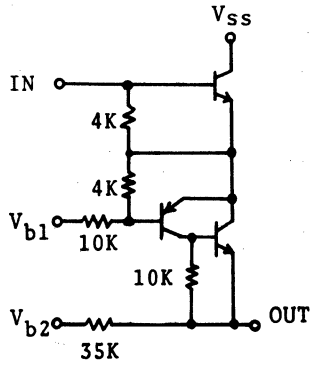
K11-56

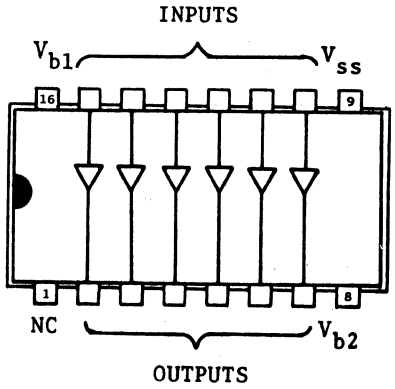


K11-60

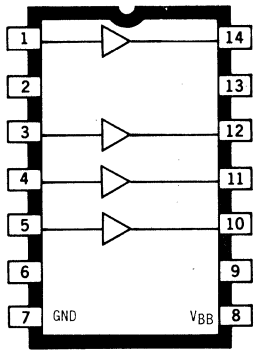


K11-61

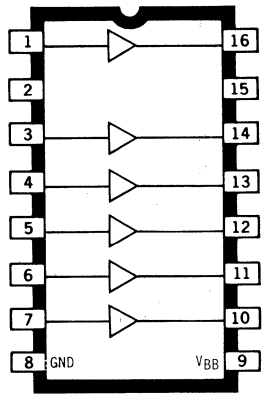




K11-62

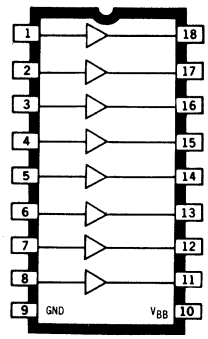


K11-63

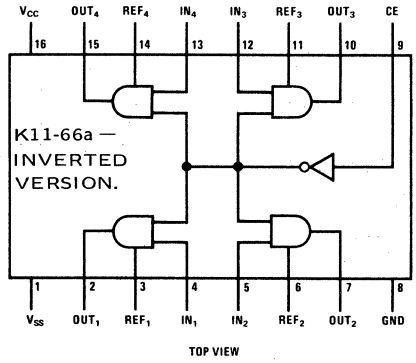


K11-64

K11-64 — PIN 9 — GND
PIN 10 — V_{BB}
K11-64a — PIN 9 — FEEDBACK/GND
PIN 10 — V_{KK}

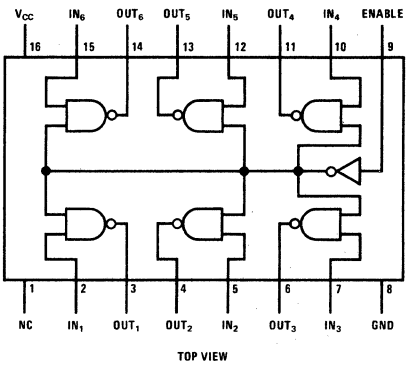


K11-66



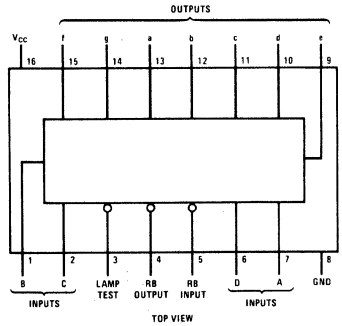
TOP VIEW

K11-67



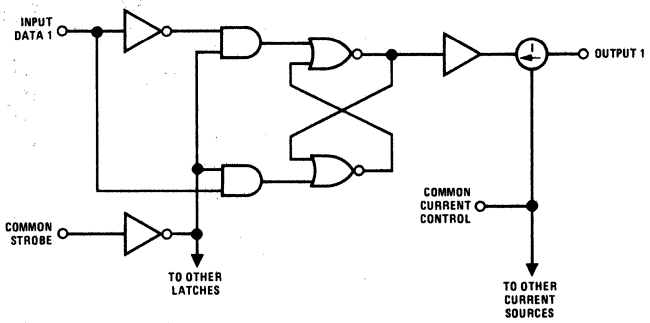
TOP VIEW

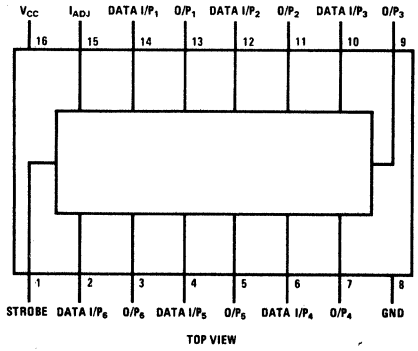
K11-68



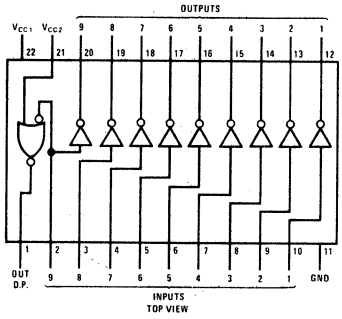
TOP VIEW

K11-69

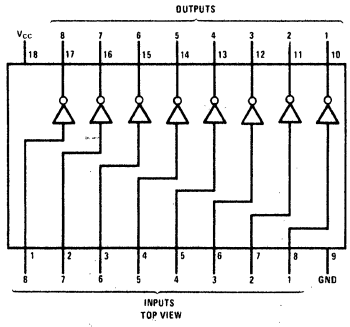




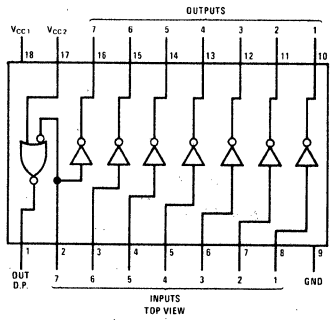
K11-70



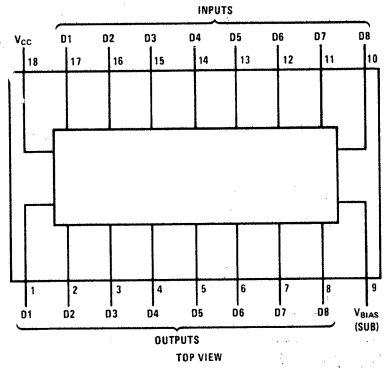
K11-71

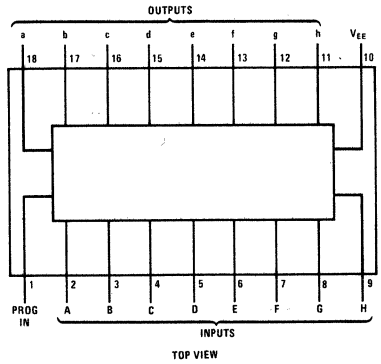


K11-72

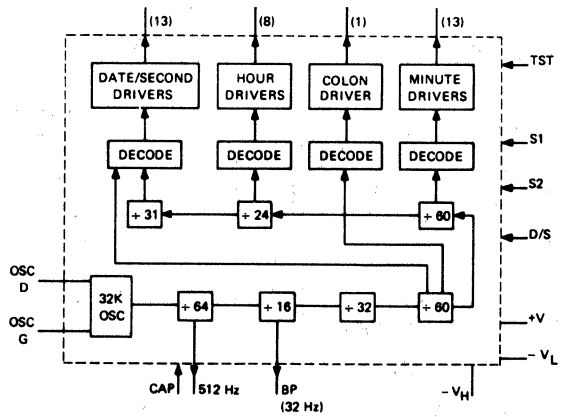


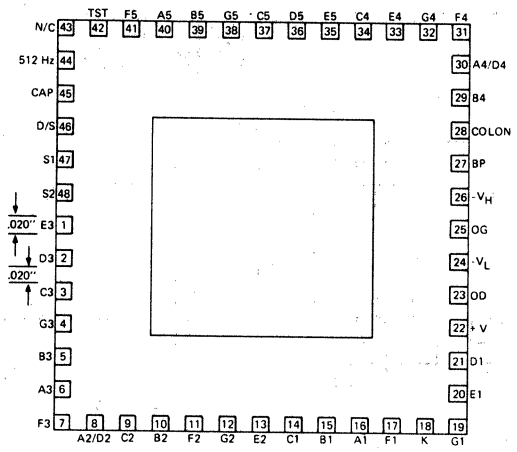
K11-73



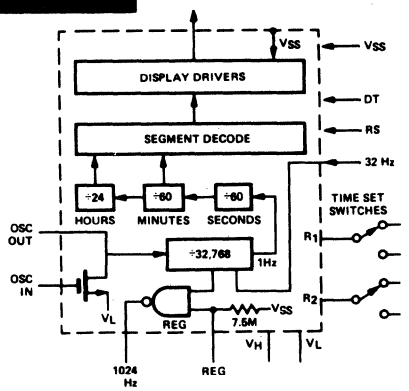


K11-74

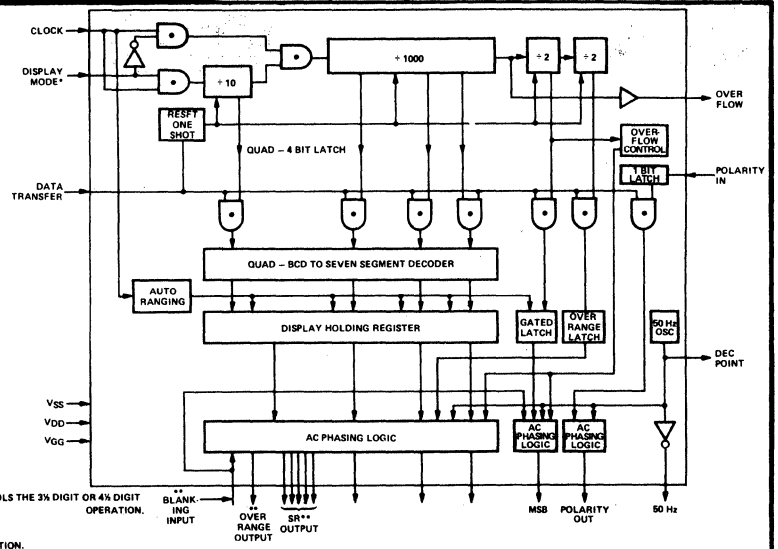




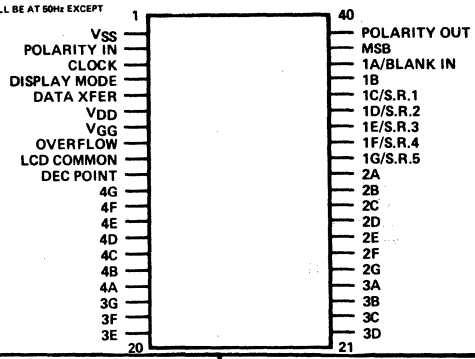
K11-75



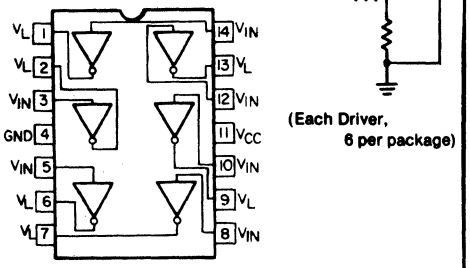
K11-76



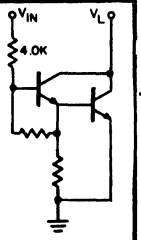
**AVAILABLE ONLY FOR 3½ DIGIT OPERATION.
WHEN BLANKING INPUT IS AT VIL, EVERY OUTPUT WILL BE AT 50Hz EXCEPT EVERY CENTER SEGMENT WHICH WILL BE AT 50Hz.



K11-77

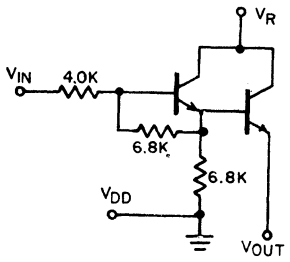


Pin Configuration (Top View)

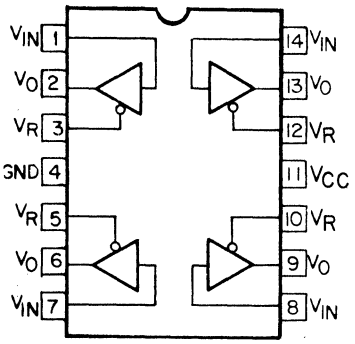


(Each Driver, 6 per package)

K11-78

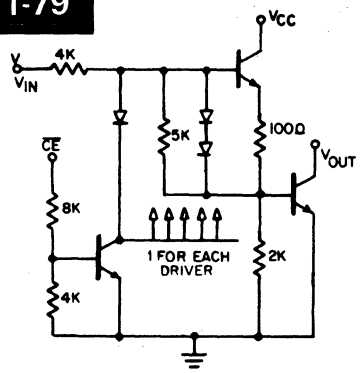


(Each Drive, 4 per package)



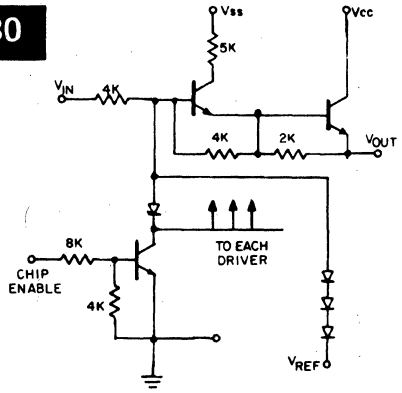
PIN CONFIGURATION (Top View)

K11-79

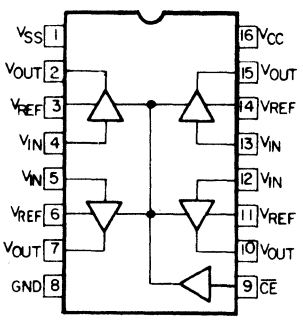


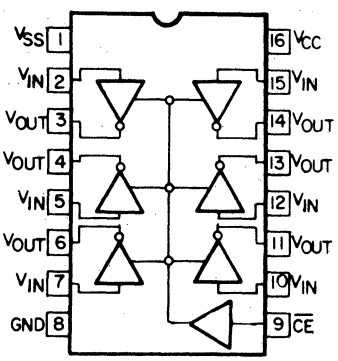
(Each driver, 6 per package)

K11-80

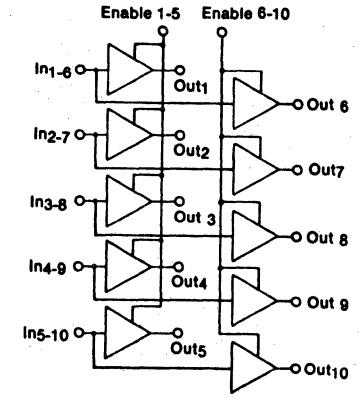


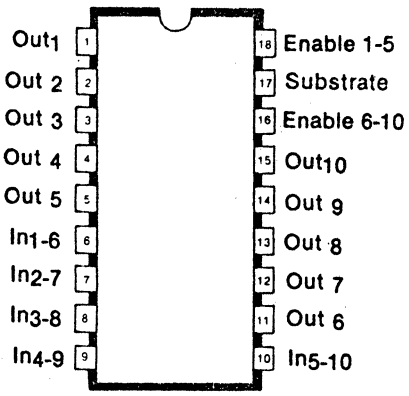
(Each Driver, 4 per package)



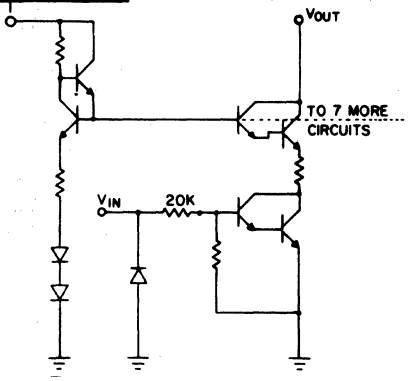


K11-81



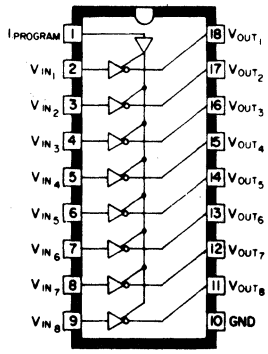


K11-82

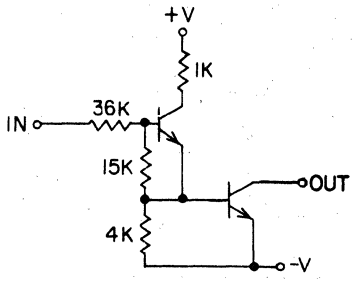


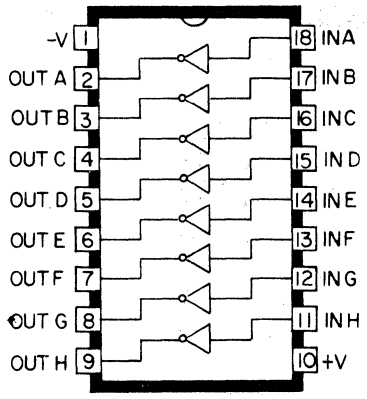
NOTE: Current limiting resistor should be incorporated for testing.

NOTE: Inputs to unloaded stages should be grounded.

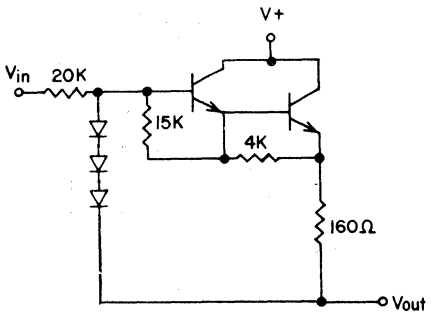


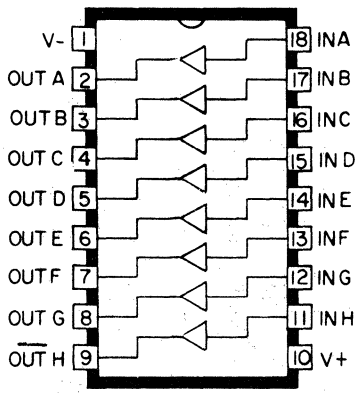
K11-83



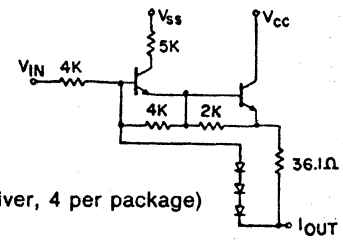


K11-84

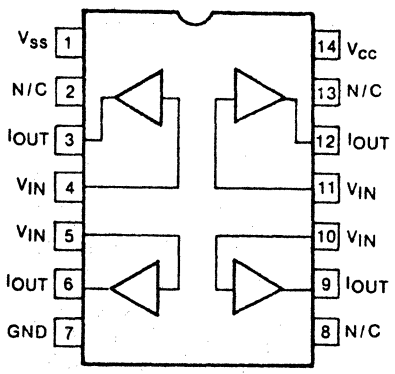




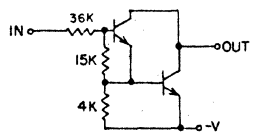
K11-85

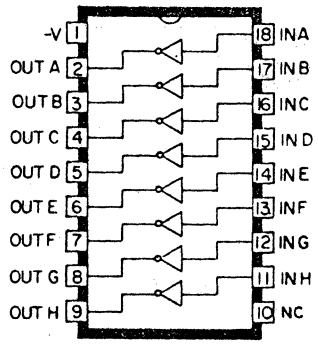


(Each Driver, 4 per package)



K11-86

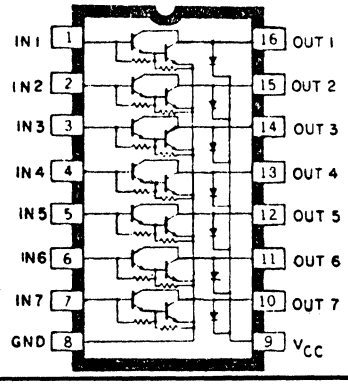




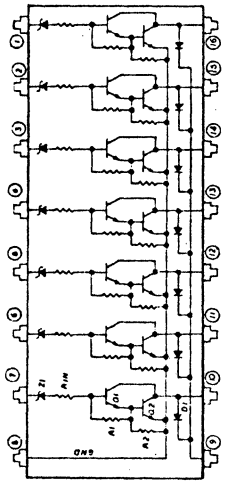
SECTION 12. LOGIC DRAWING

IN DRAWING NUMBER SEQUENCE

K11-87

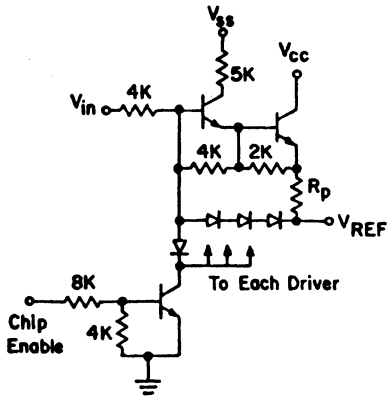


K11-88

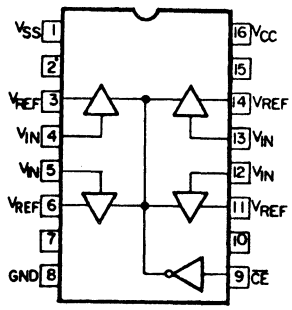


Z = 7 V
RIN = 10.5K
R1 = 7.2K
R2 = 3K

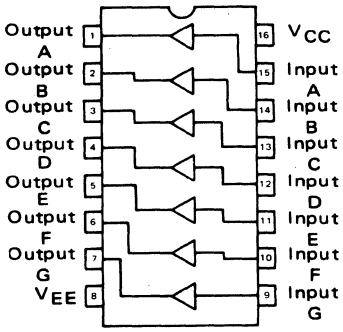
K11-89



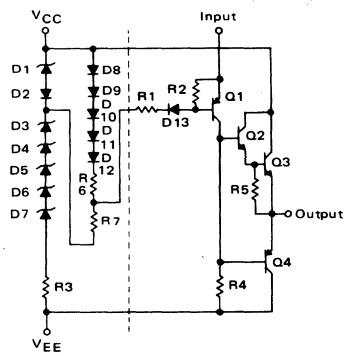
(Each Driver, 4 per package)



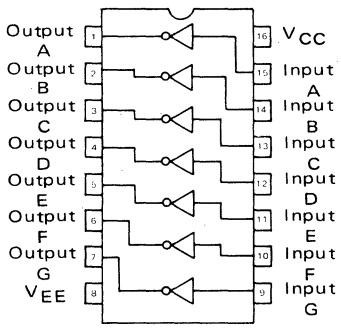
K11-90

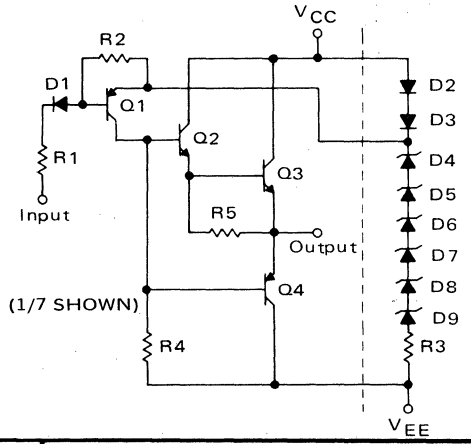


(1/7 Shown)



K11-91



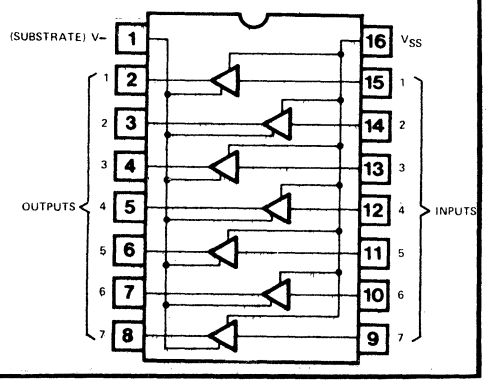


K11-92

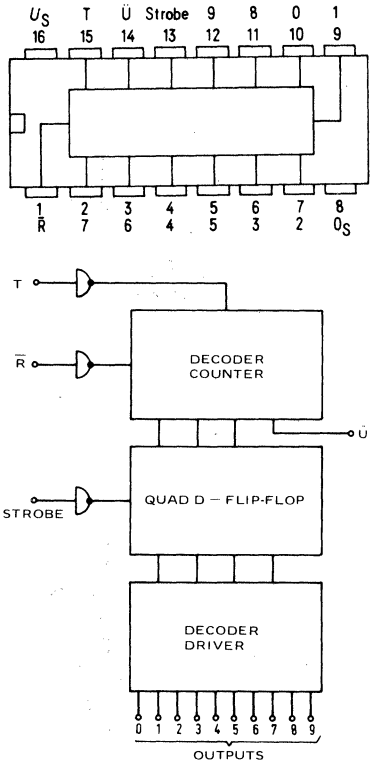
TERMINAL	K11-92	K11-92a	TERMINAL	K11-92	K11-92a
1	Not Used	K8	10	Not Used	Not Used
2	K6	K1	11	K5	K2
3	K7	K9	12	K4	K6
4	K8	K7	13	K3	K10
5	K9	K13	14	K2	K3
6	K1	K5	15	K0	K11
7	Not Used	K12	16	+12 Vdc	+12 Vdc
8	Not Used	K4	17	+200Vdc	+170 Vdc
9	Erase/Write	Erase/Write	—	—	—

K = Tube numeral (K11-92)
Tube cathode (K11-92a)

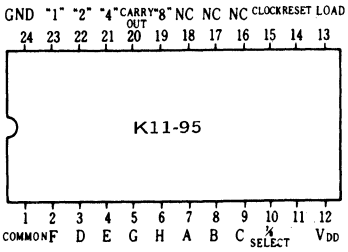
K11-93

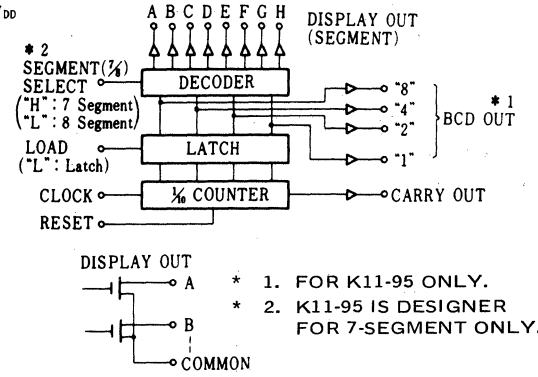


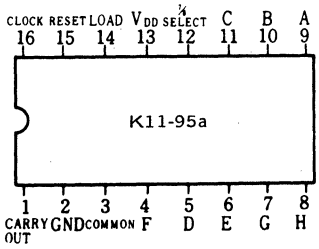
K11-94



K11-95



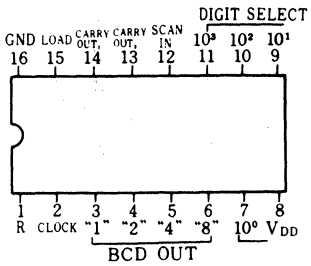


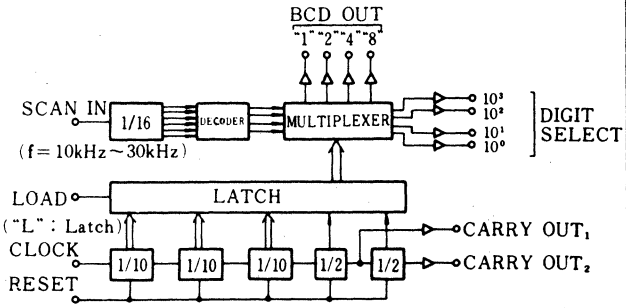


* 1. FOR K11-95 ONLY.

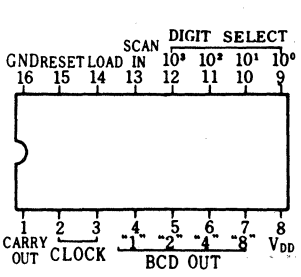
* 2. K11-95 IS DESIGNER FOR 7-SEGMENT ONLY.

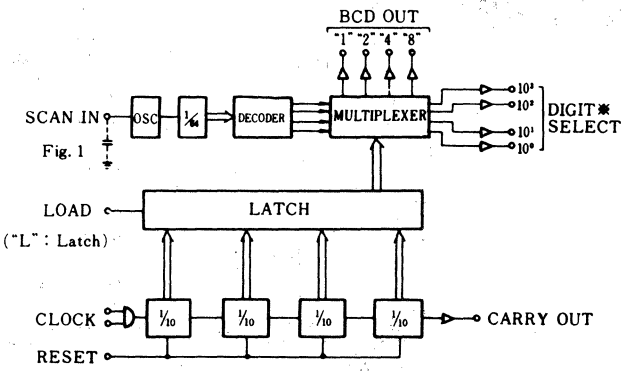
K11-96



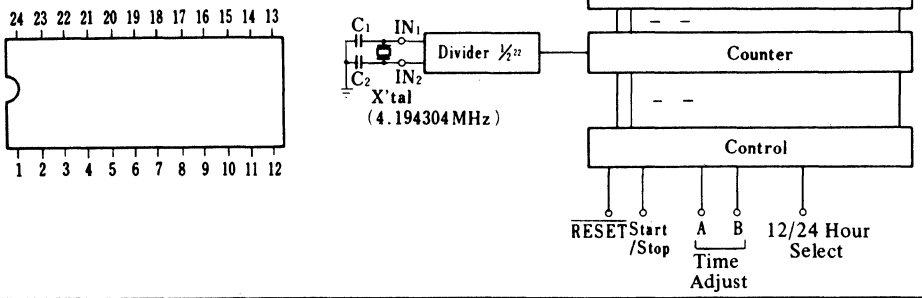


K11-97

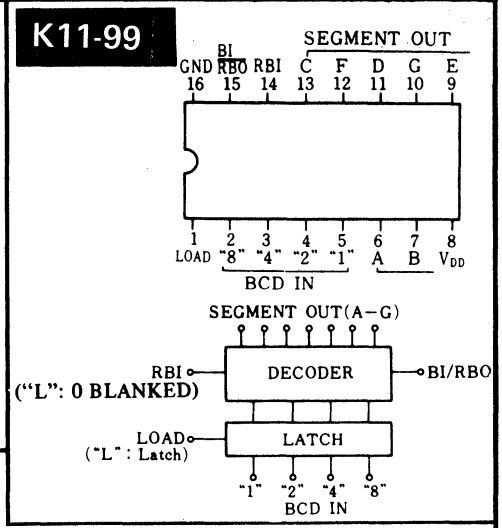




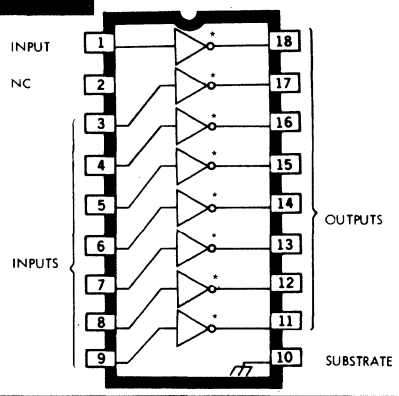
K11-98



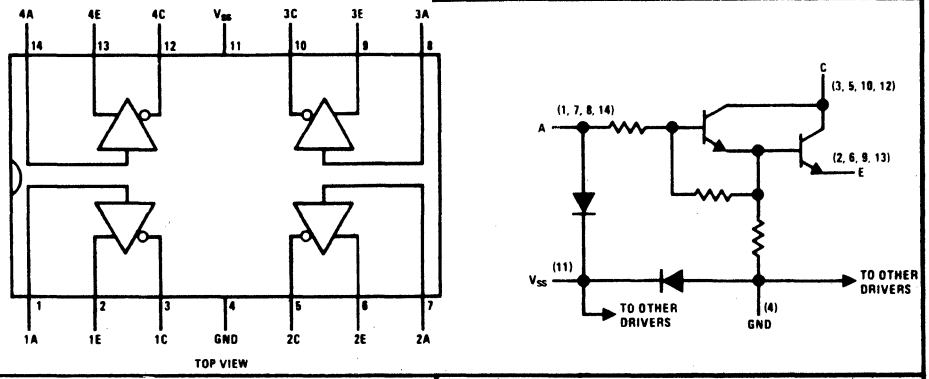
K11-99



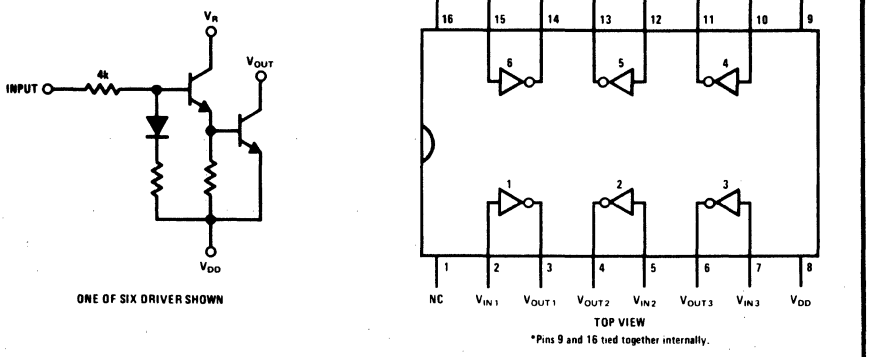
K11-100



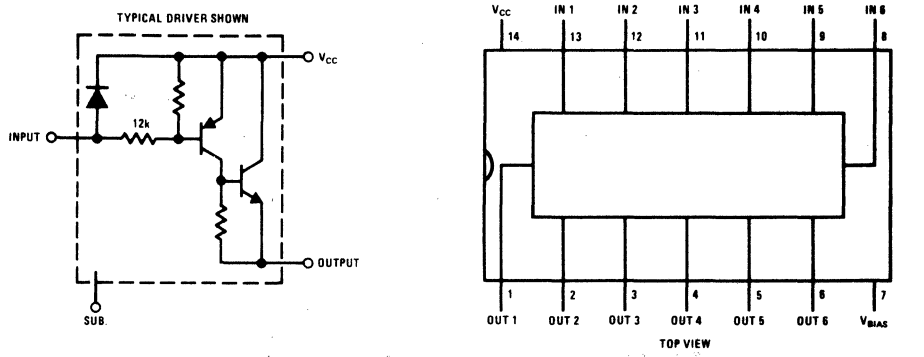
K11-101



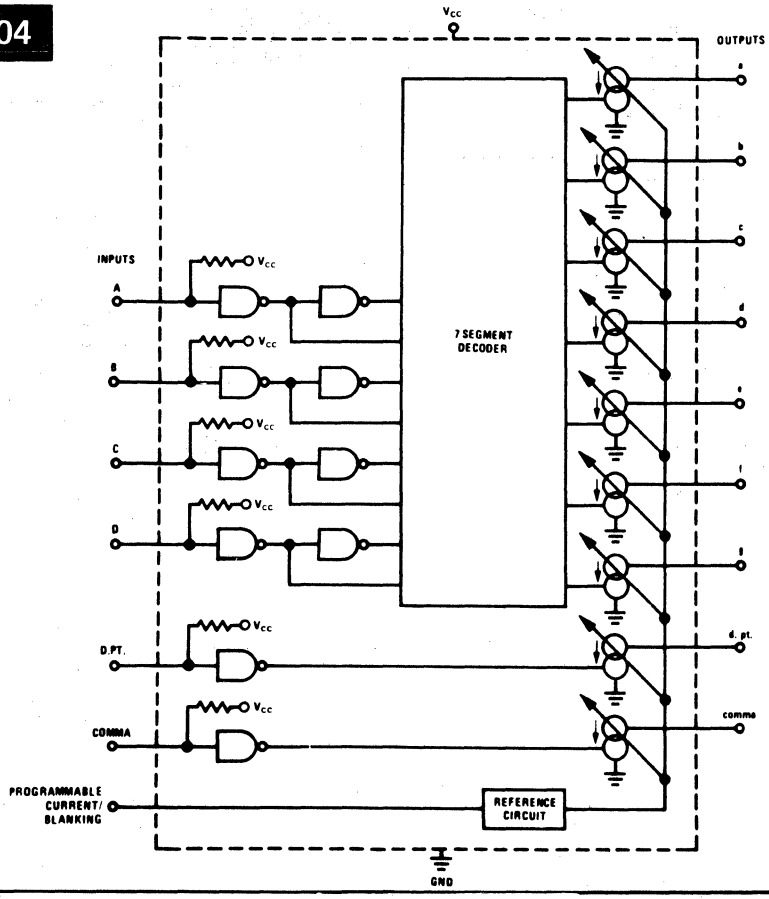
K11-102

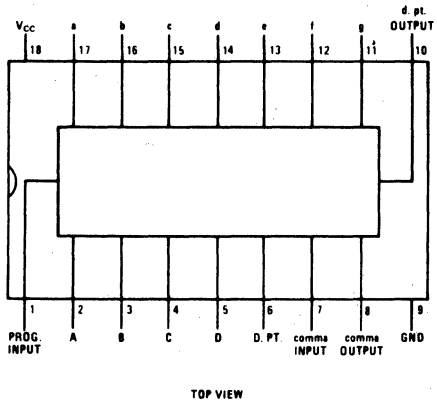


K11-103



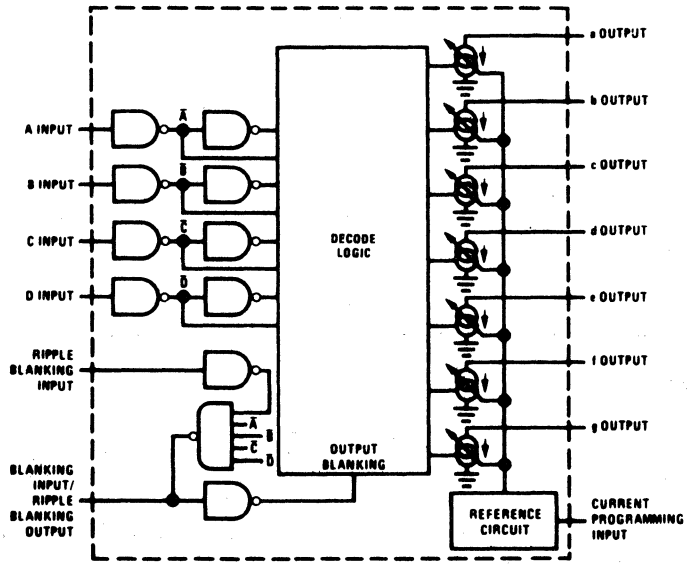
K11-104

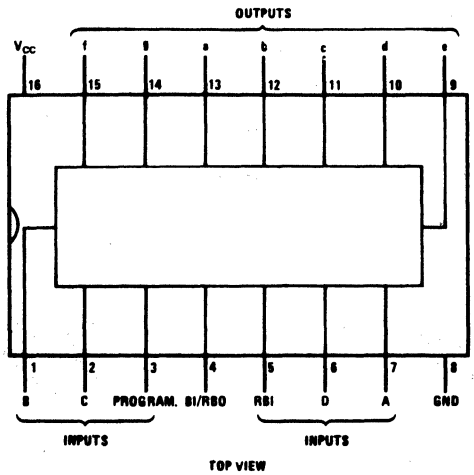




TOP VIEW

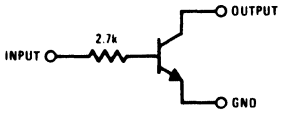
K11-105

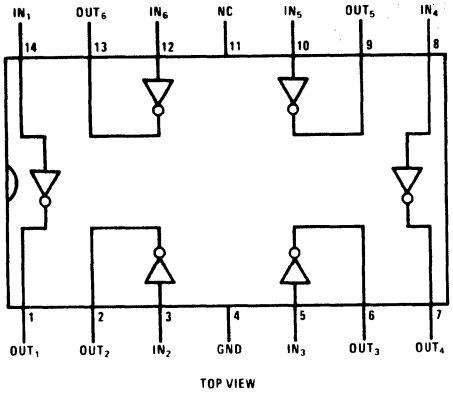




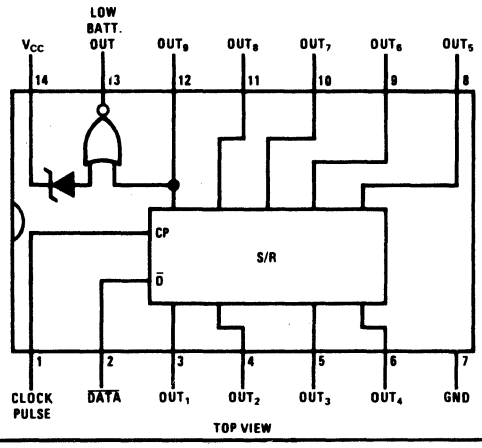
TOP VIEW

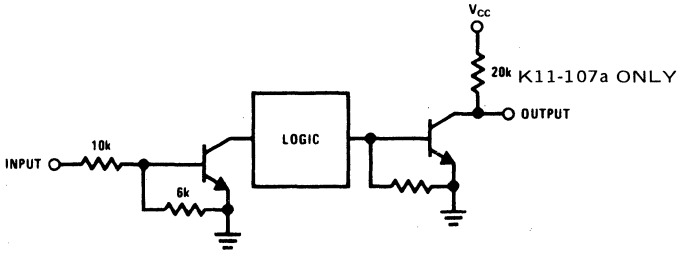
K11-106



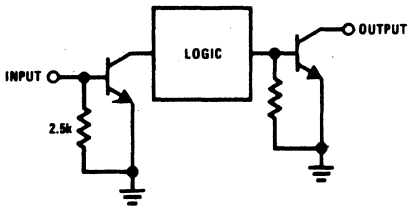


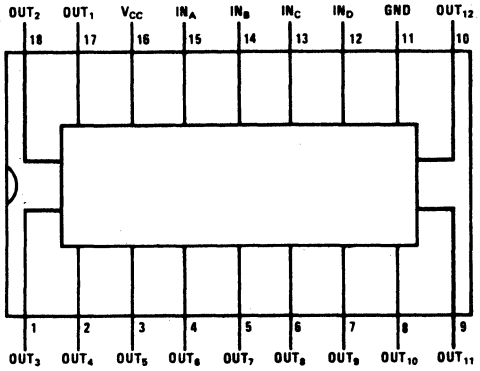
K11-107



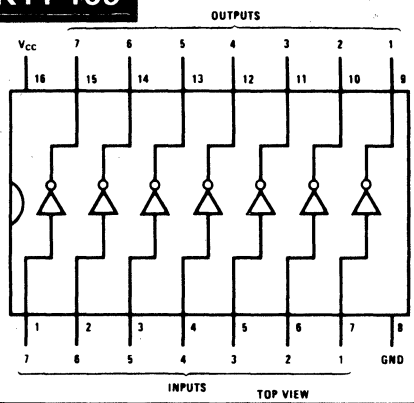


K11-108

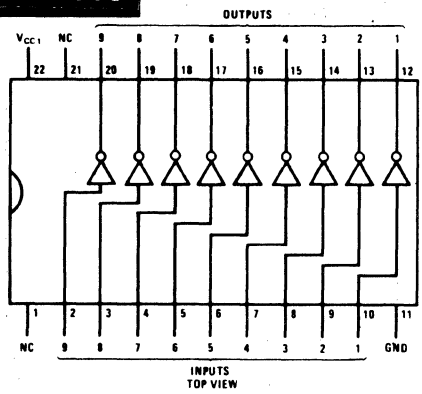




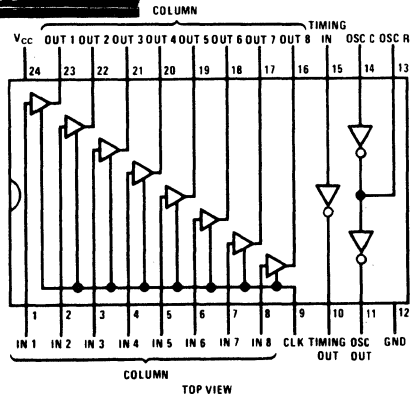
K11-109



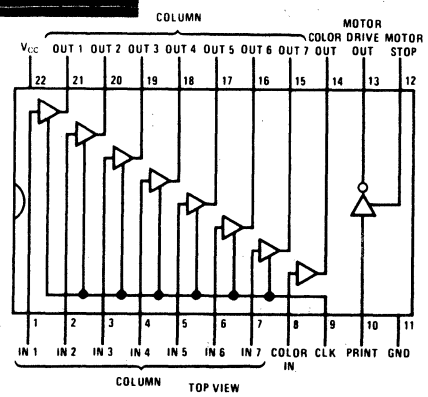
K11-110



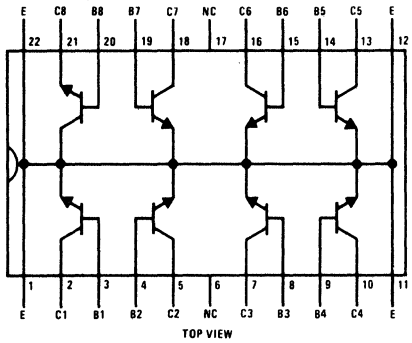
K11-111



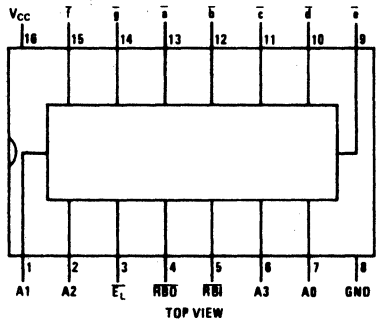
K11-112



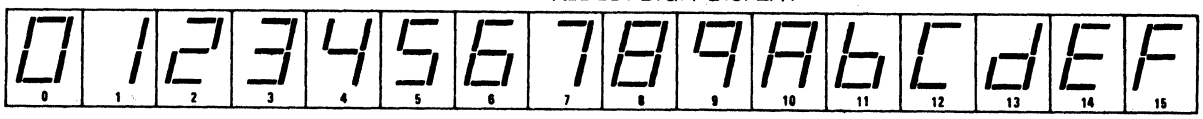
K11-113



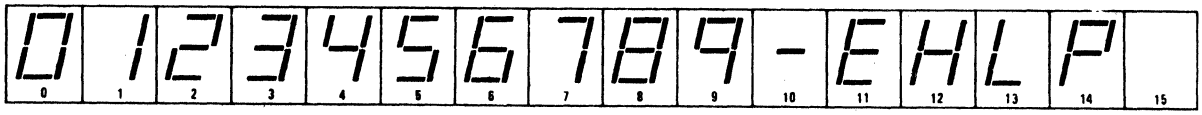
K11-114



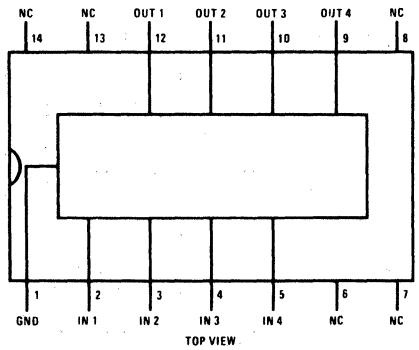
K11-114 DIGIT DISPLAY



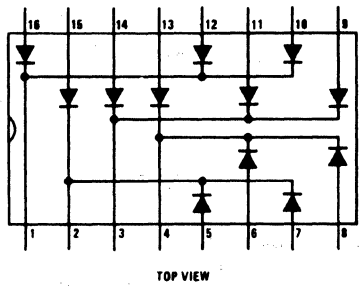
K11-114a DIGIT DISPLAY



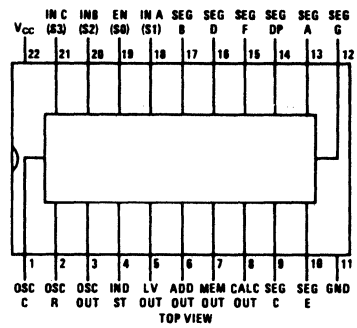
K11-115



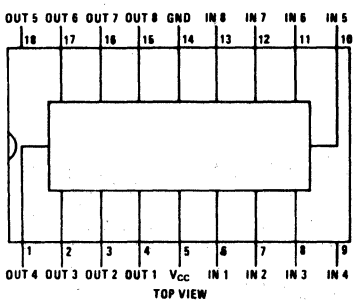
K11-116



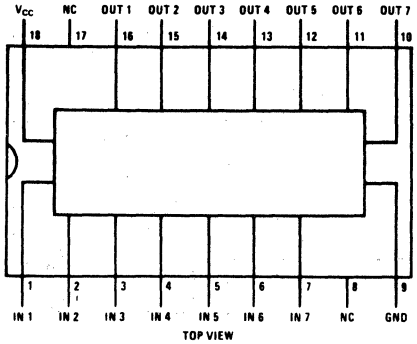
K11-117



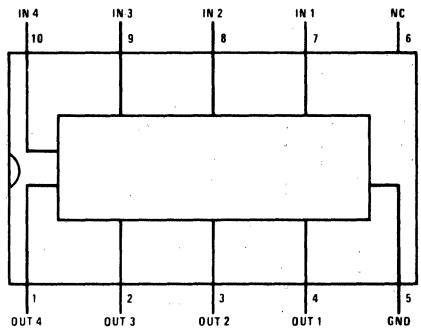
K11-118



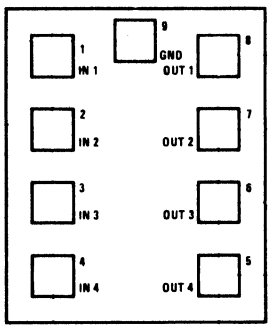
K11-119



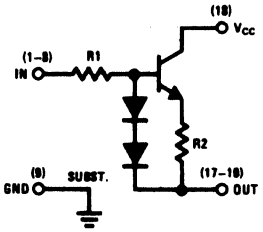
K11-120

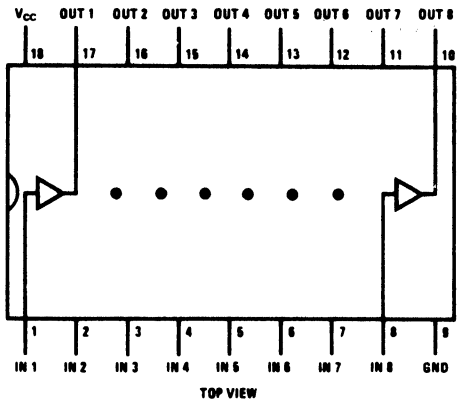


K11-121



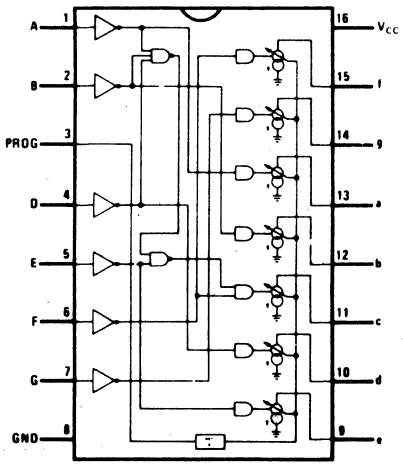
K11-122





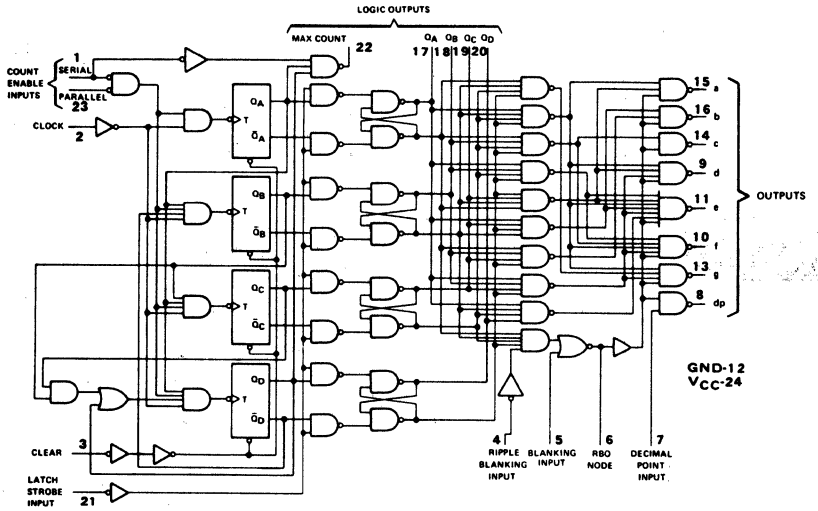
TOP VIEW

K11-123



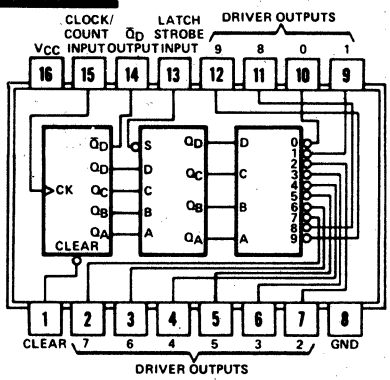
TOP VIEW

K11-124

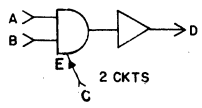


. . . Dynamic input activated by a transition from a high level to a low level.

K11-125

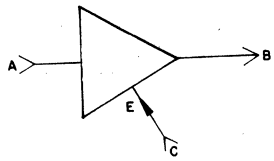


K12-19



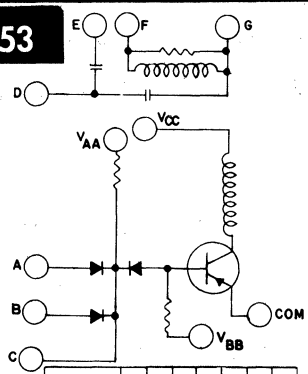
CKT. NO.	A	B	C	D
1	D	E	F	R
2	J	K	L	S

K12-52



CKT. NO.	A	B	C
1	D	F	E
2	H	K	J
3	L	N	M
4	P	S	R

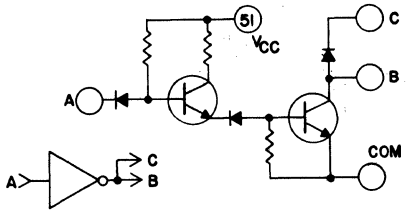
K12-53



CKT NO	A	B	C	D	E	F	G
1				D	E	F	R	P	N	M
2				H	J	K	V	U	T	S

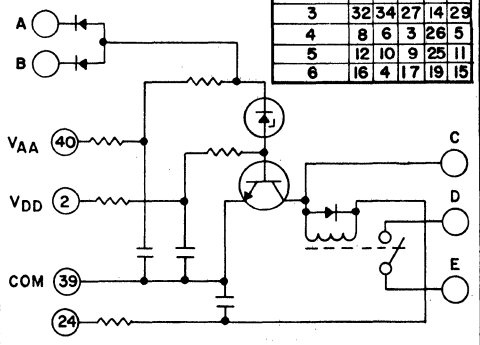
K12-59

CKT NO.	A	B	C	COM
1	11	7	5	1, 2, 39, 52,
2	19	15	13	
3	29	25	23	
4	37	33	35	
5	45	43	47	

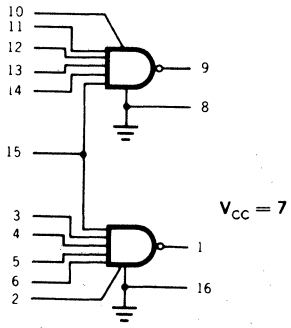


K12-62

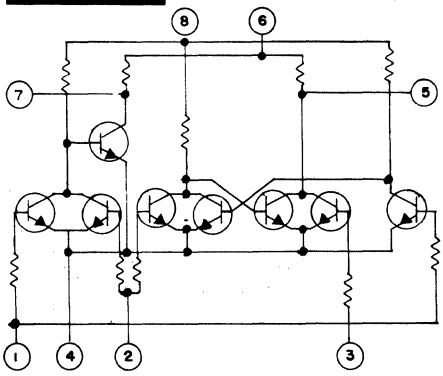
CKT. NO.	A	B	C	D	E
1	18	36	21	13	23
2	28	30	20	7	22
3	32	34	27	14	29
4	8	6	3	26	5
5	12	10	9	25	11
6	16	4	17	19	15



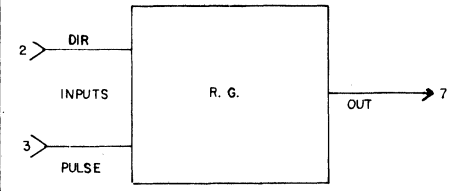
K12-64

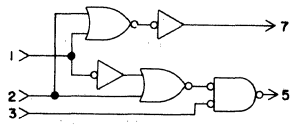


K15-8

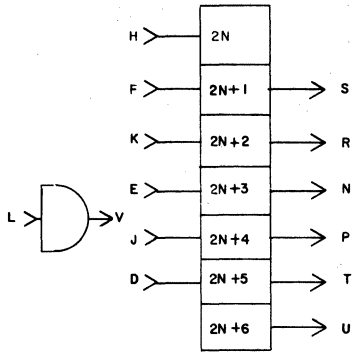


K15-13

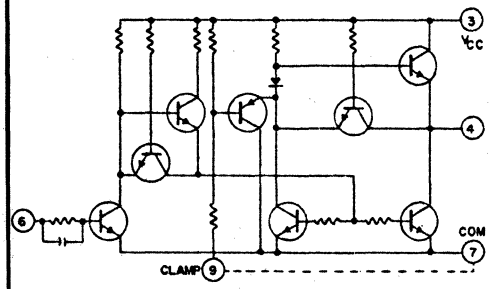




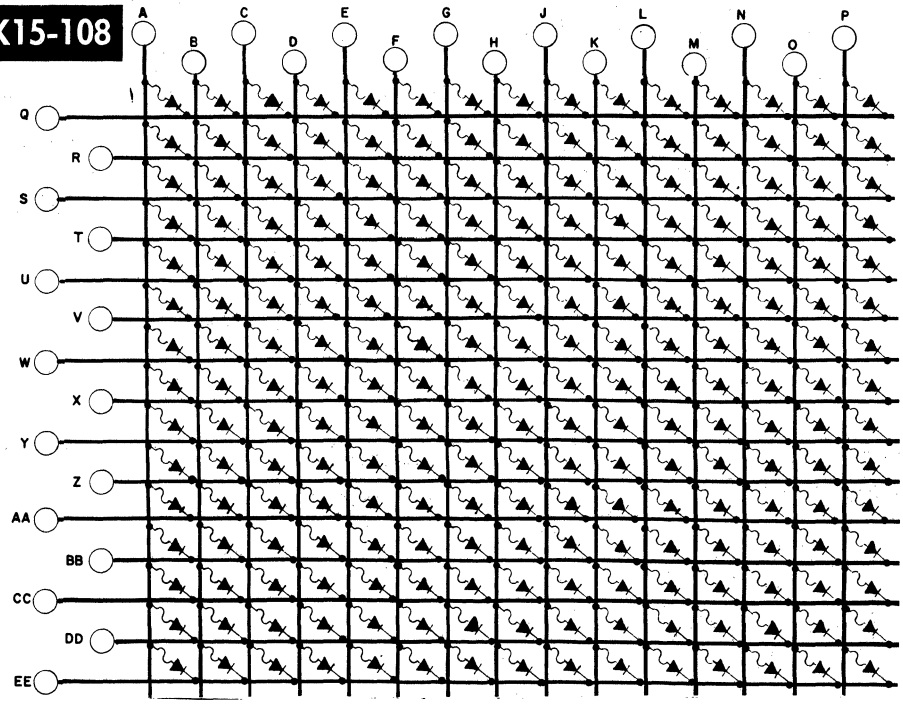
K15-55



K15-81

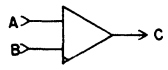


K15-108

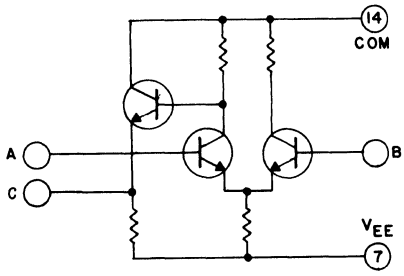


	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE
K15108	31			30		29		28		27	14	26	15	25	16	23		22			21	4	20	5	19	6	18	7	17	8
K15108A	31			30		29		28		27	14	26	15	25	16	21		20			19	4	18	5	17						
K15108B	31			30		29		28		27	14	26	15	25	16	18		17												
K15108C	29			28		27		26		25						23		22			21	4	20	5	19	6	18	7	17	8
K15108D	29			28		27		26		25						21		20			19	4	18	5	17					
K15108E	29			28		27		26		25						18		17												
K15108F	26			25												23		22			21	4	20	5	19	6	18	7	17	8
K15108G	26			25												21		20			19	4	18	5	17					
K15108H	1	7	14	8	13											2	3	4	5	6										
K15108I	1	7	14	8	13	9	12	10								2	3	11	4	5	6									
K15108J	1	7	14	8	13	9	12	10								2	3	4	5	6										

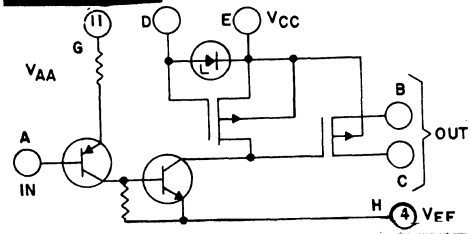
K15-125



CKT. NO.	A	B	C
1	1	2	3
2	5	6	4
3	8	9	10
4	12	13	11



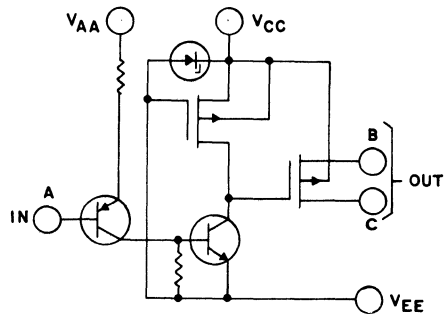
K15-137



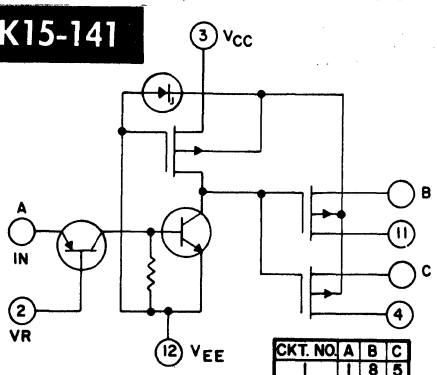
	CKT. NO.	A	B	C	D	E	G	H
K15-137	1	12	2	14	3	13	11	4
	2	10	6	8	5	9	11	4
K15-137a	1	9	13	3	4	12	10	5
	2	8	14	3	4	12	10	5
	3	7	1	3	4	12	10	5
	4	6	2	3	4	12	10	5

K15-140

	CKT NO.	A	B	C	VAA	VCC	VEE
K15-140	1	5	2	3	10	11	4
	2	6	1	3			
	3	7	14	3			
	4	8	13	3			
	5	9	12	3			
K15-140a	1	10	6	8	11	9	4
	2	12	2	14			

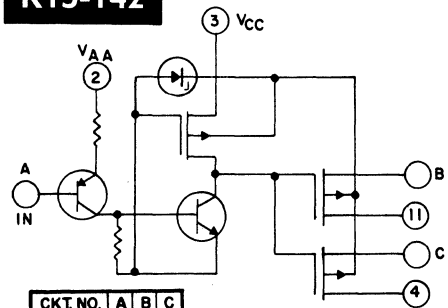


K15-141



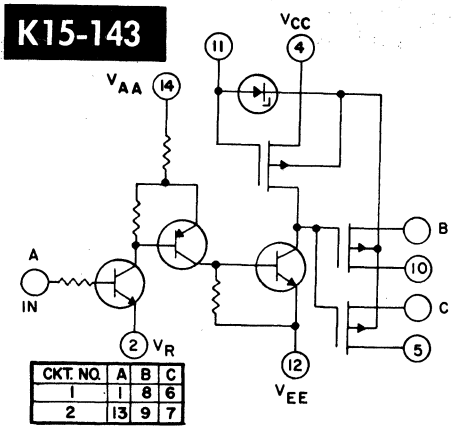
CKT. NO.	A	B	C
1	1	8	5
2	14	9	6
3	13	10	7

K15-142



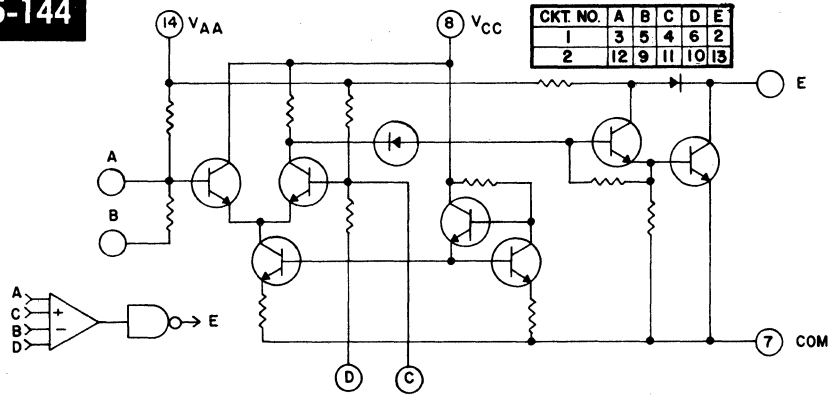
CKT. NO.	A	B	C
1	1	8	5
2	14	9	6
3	13	10	7

K15-143



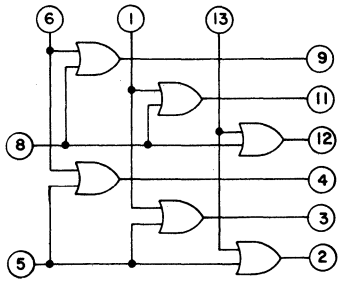
CKT. NO.	A	B	C
1	1	8	6
2	13	9	7

K15-144

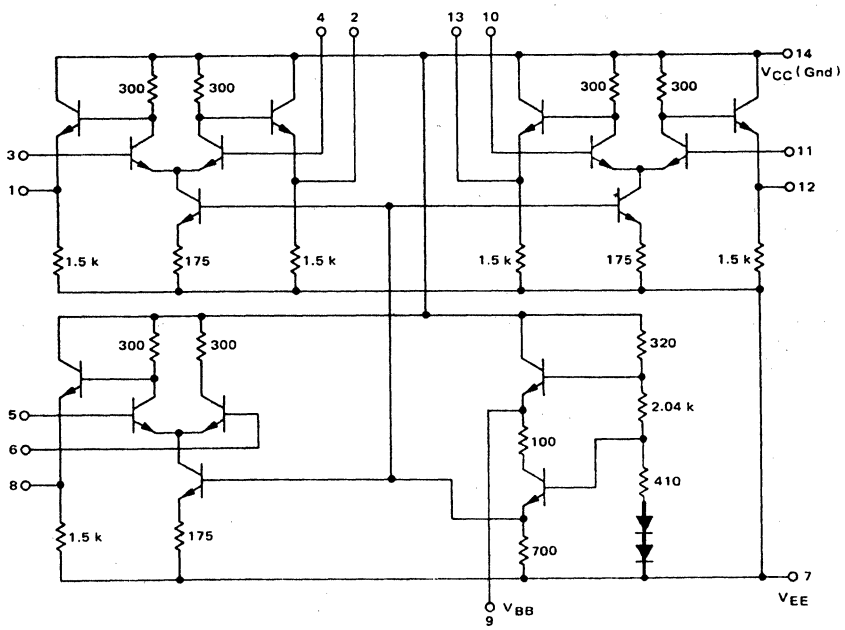


CKT. NO.	A	B	C	D	E
1	3	5	4	6	2
2	12	9	11	10	13

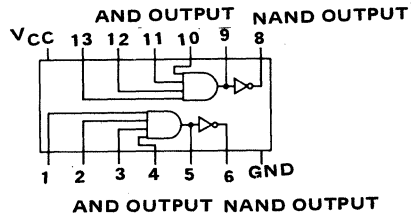
K15-146



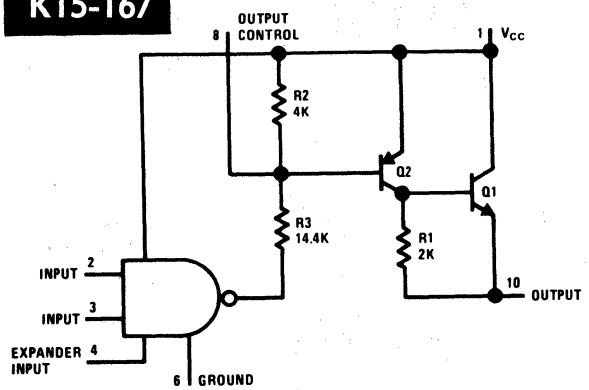
K15-159

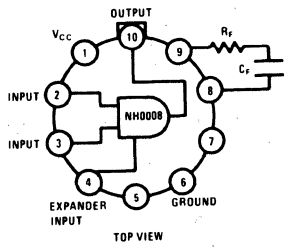


K15-161

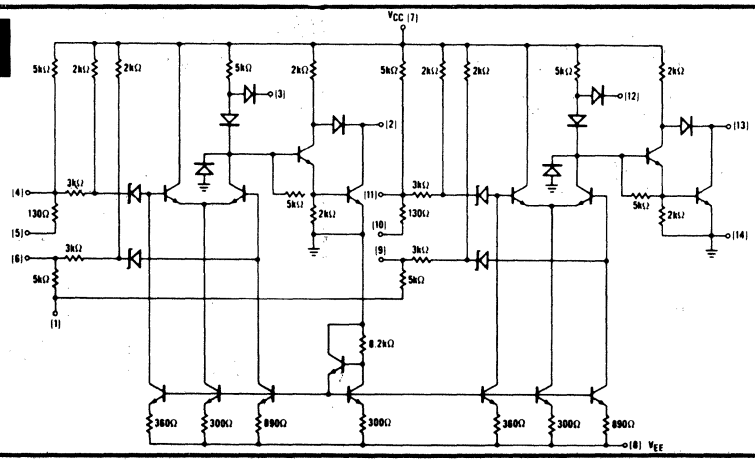


K15-167

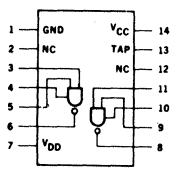




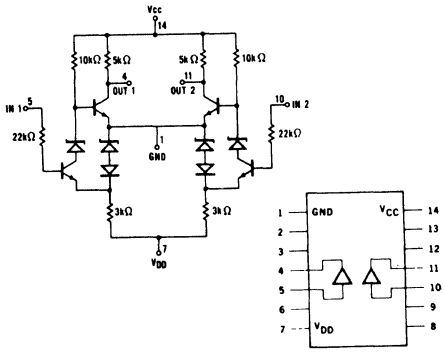
K15-185



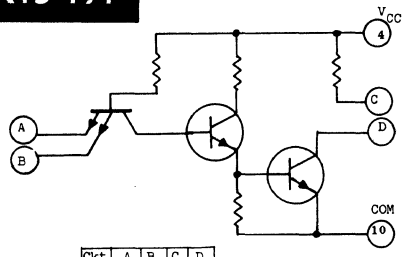
K15-186



K15-190

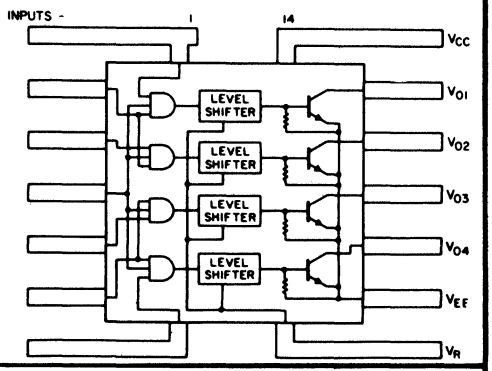


K15-191

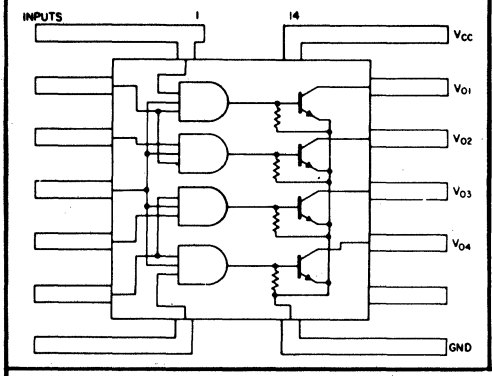


Ckt	A	B	C	D
1	6	5	8	7
2	3	2	14	1
3	13	12	9	11

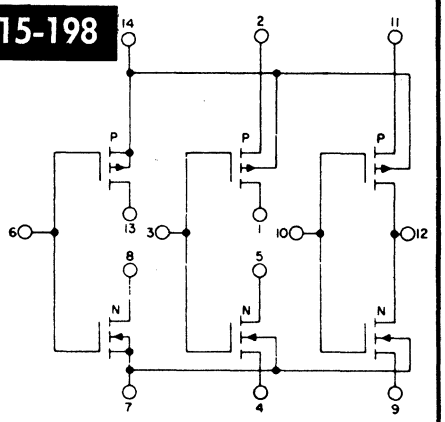
K15-192



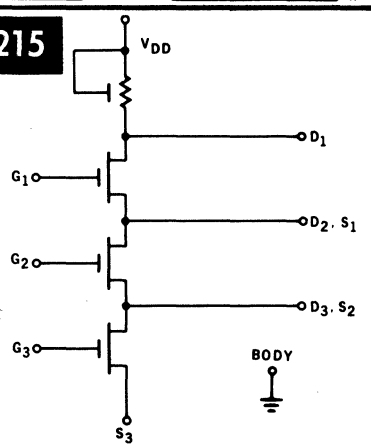
K15-193



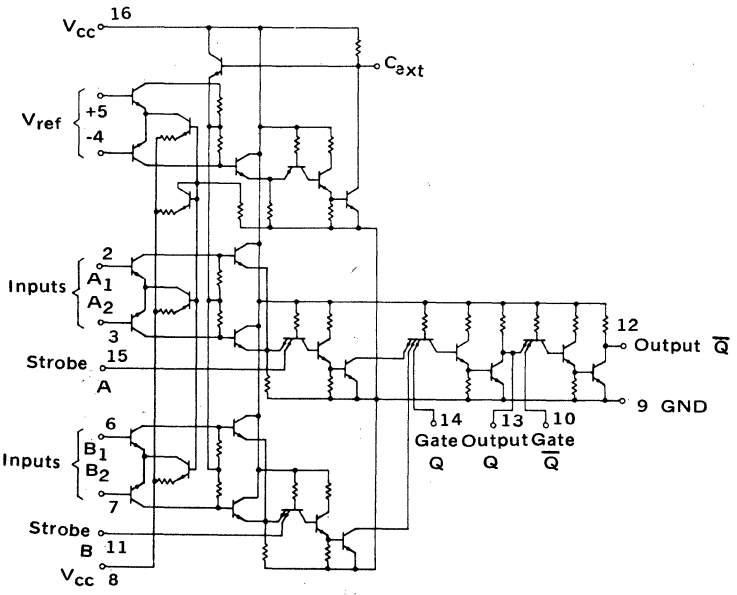
K15-198



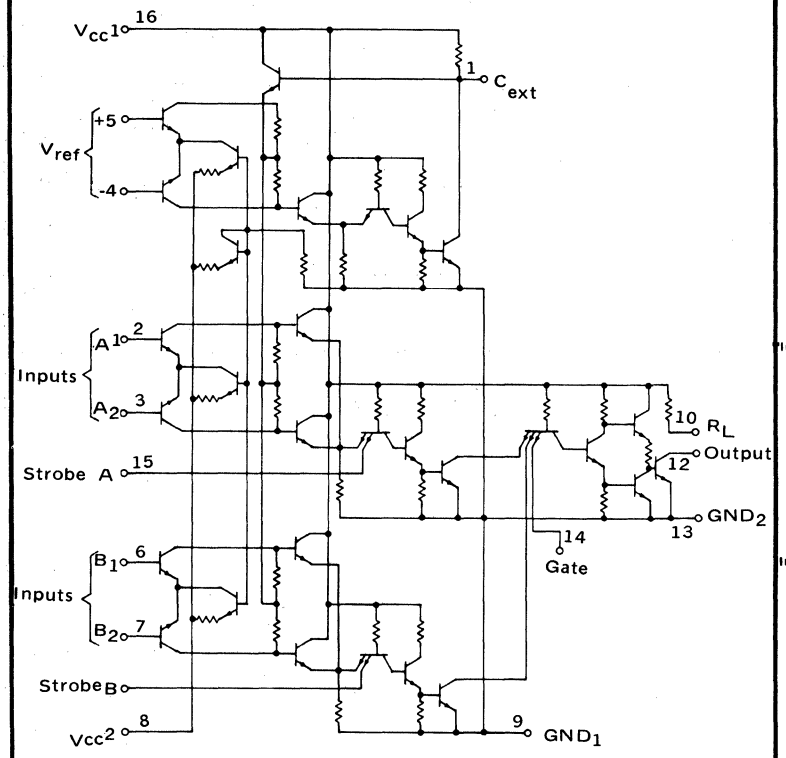
K15-215



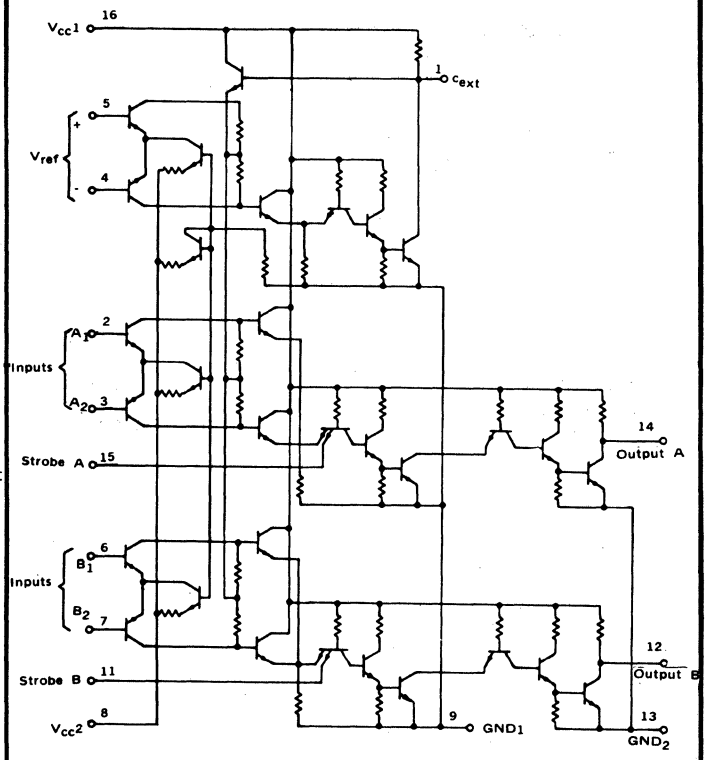
K15-221



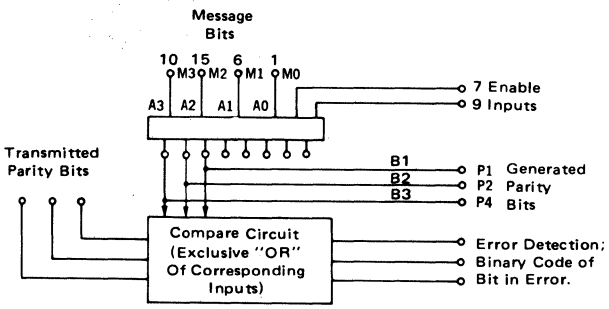
K15-222



K15-223



K15-227



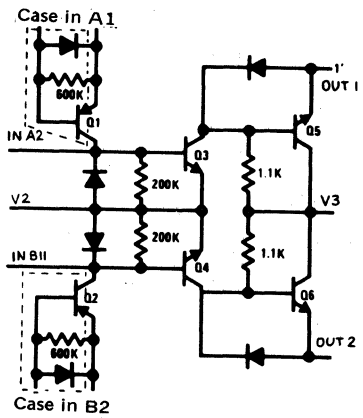
Output Bit	B0	B1	B2	B3	B4	B5	B6	B7
Pin No.	13	14	12	11	5	4	2	3

V_{CC} = Pin 16
GND = Pin 8

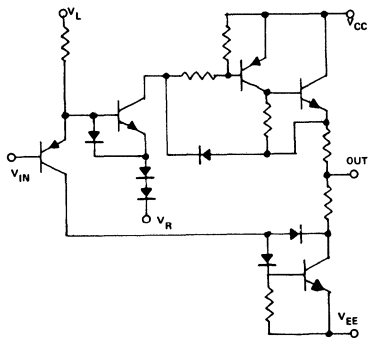
K15-230

	IN_{A1}	IN_{A2}	IN_{B1}	IN_{B2}	BIAS	CASE	V2	V3	OUT_1	OUT_2
K15-230	2	8	4	6	3,7		5	11	12	10
K15-230a	2	8	4	6		3	5	11	12	10

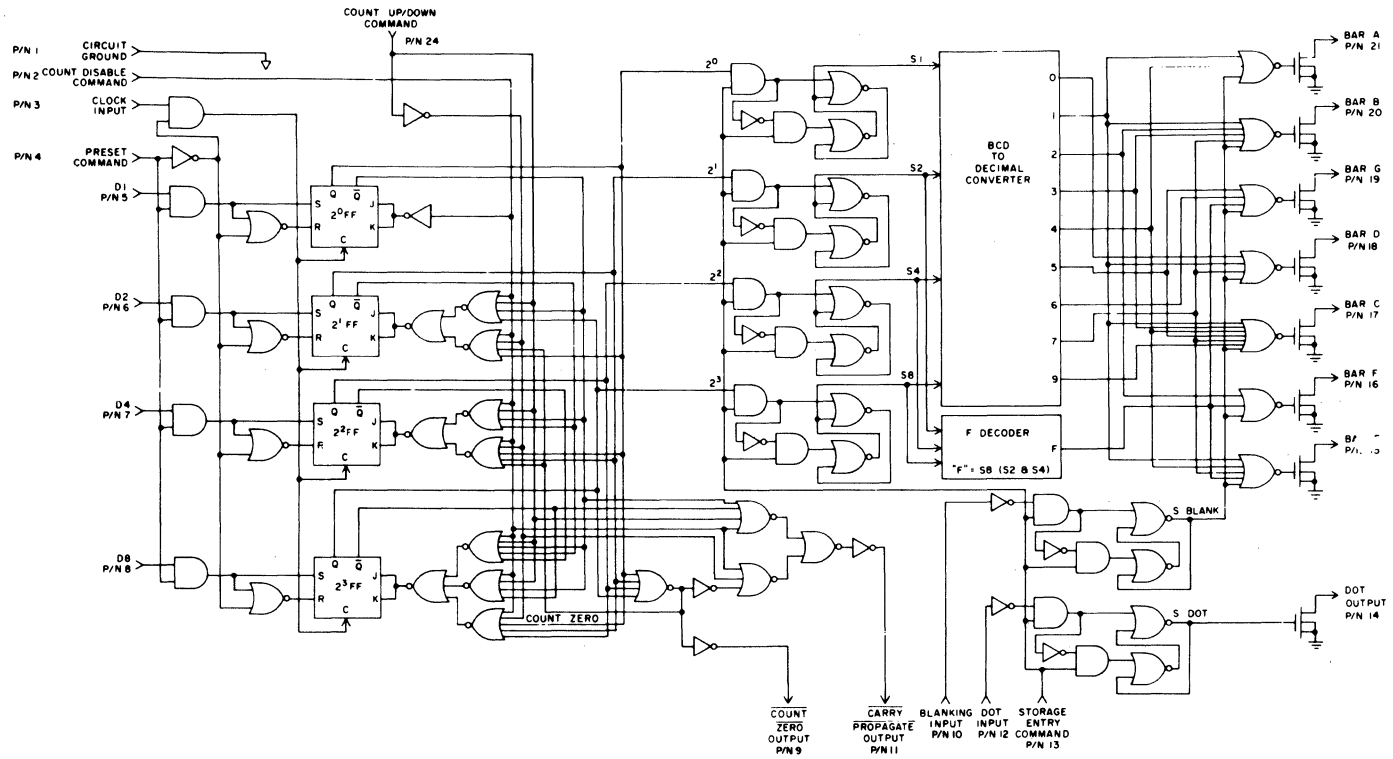
Dotted area omitted on K15-230a



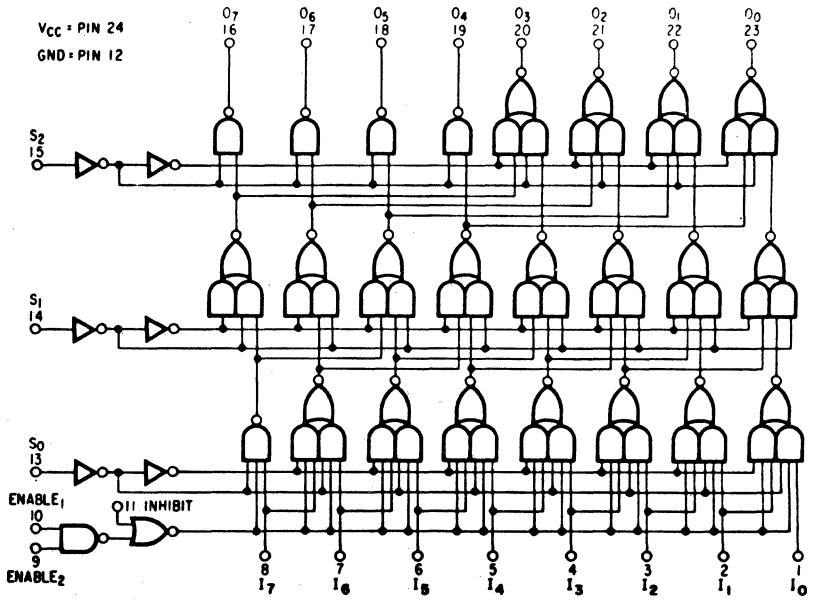
K15-237



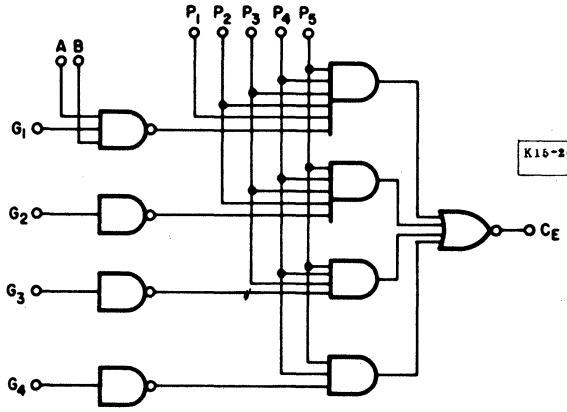
K15-254



K15-263



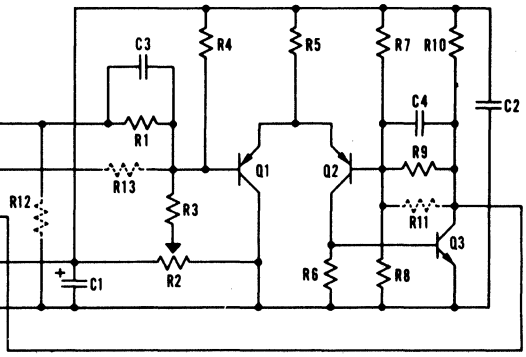
K15-267



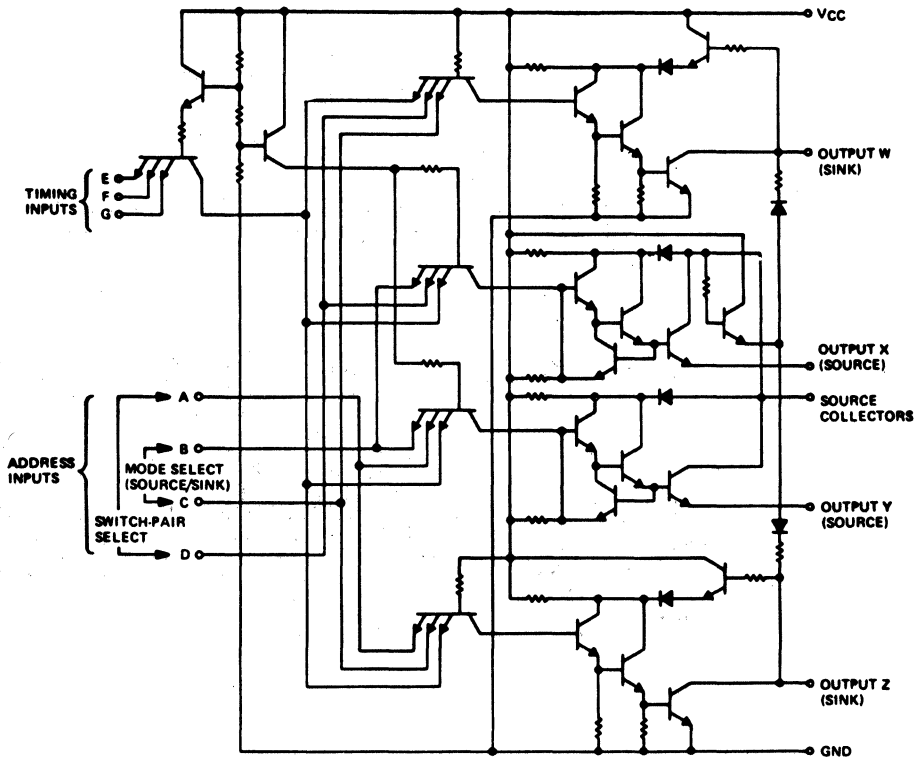
	PKG	G_2	P_2	G_3	P_3	G_4	P_4	C_E	P_5	B	G_1	A	P_1	VCC	GND
K15-267	P	1	2	3	4	5	6	8	9	10	11	12	13	14	7
	P	5	6	7	8	9	10	12	13	14	1	2	3	4	11

K15-273

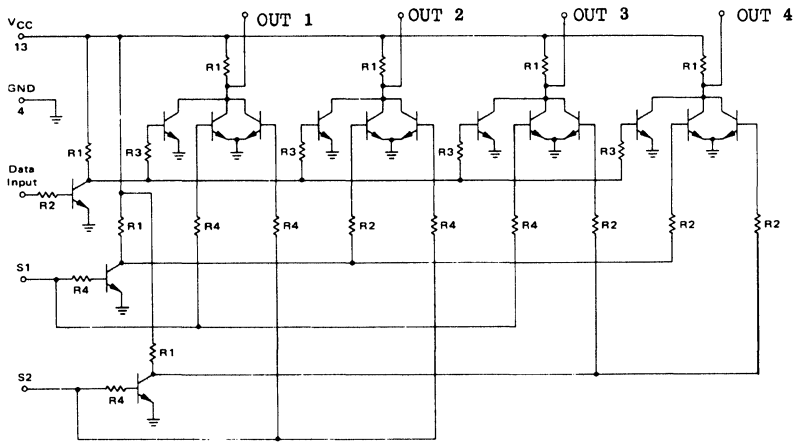
FUNCTION	CONNECTOR PINS	
	CKT 1	CKT 2
INPUT	41	13
EXTERNAL REFERENCE	29	23
OUTPUT	33	21
V_{CC}	51	
GRD	1 9 52 45	



K15-277

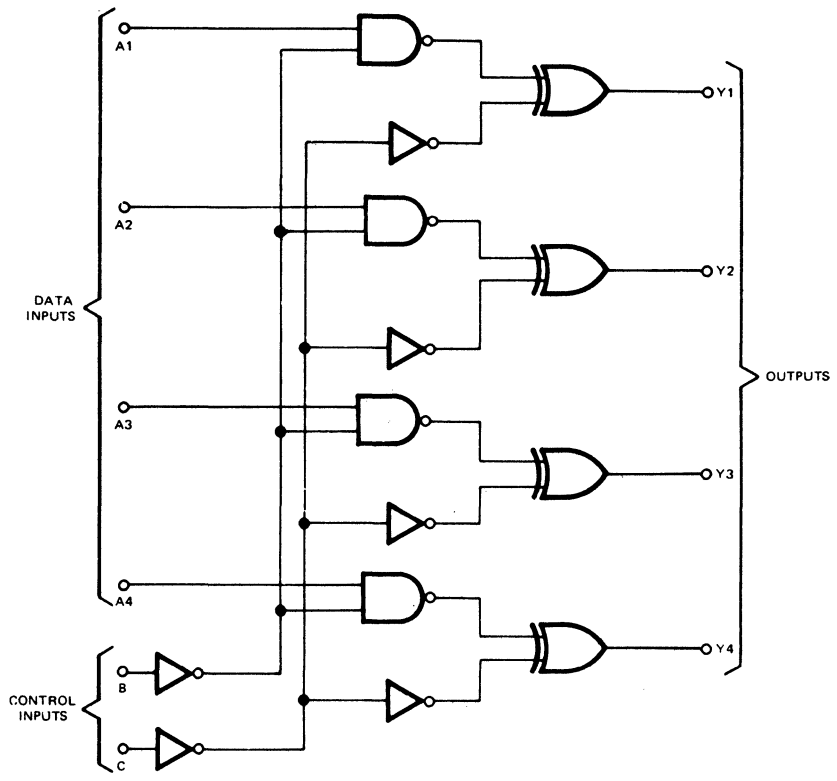


K15-285

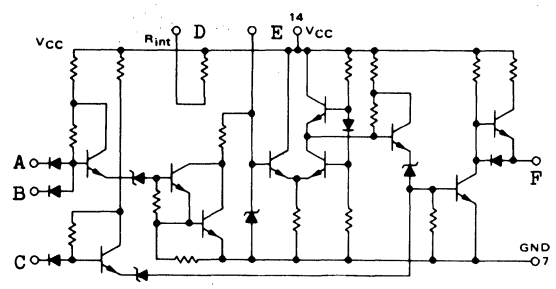


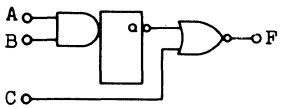
	CKT NO.	D_1	S_1	S_2	OUT_1	OUT_2	OUT_3	OUT_4
K15-285	1	1	2	16	3	5	15	14
	2	9	8	10	7	6	11	12

K15-290



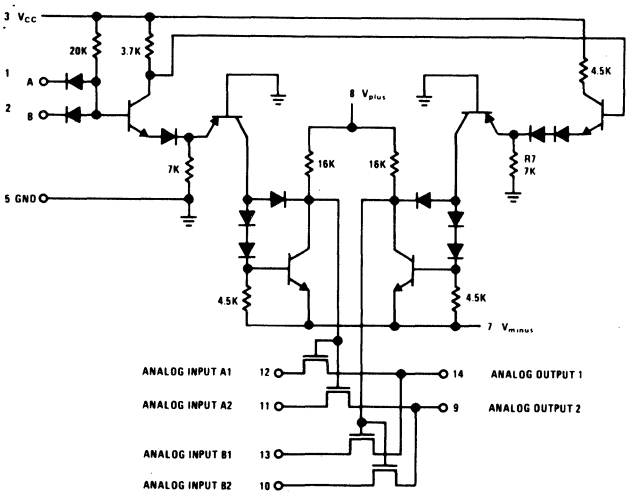
K15-295



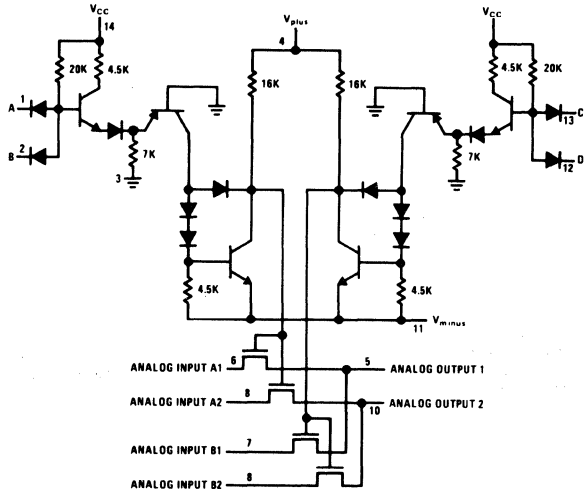


	CKT.NO.	A	B	C	D	E	F
K15-295	1	1	2	5	3	4	6
	2	12	13	9	11	10	8

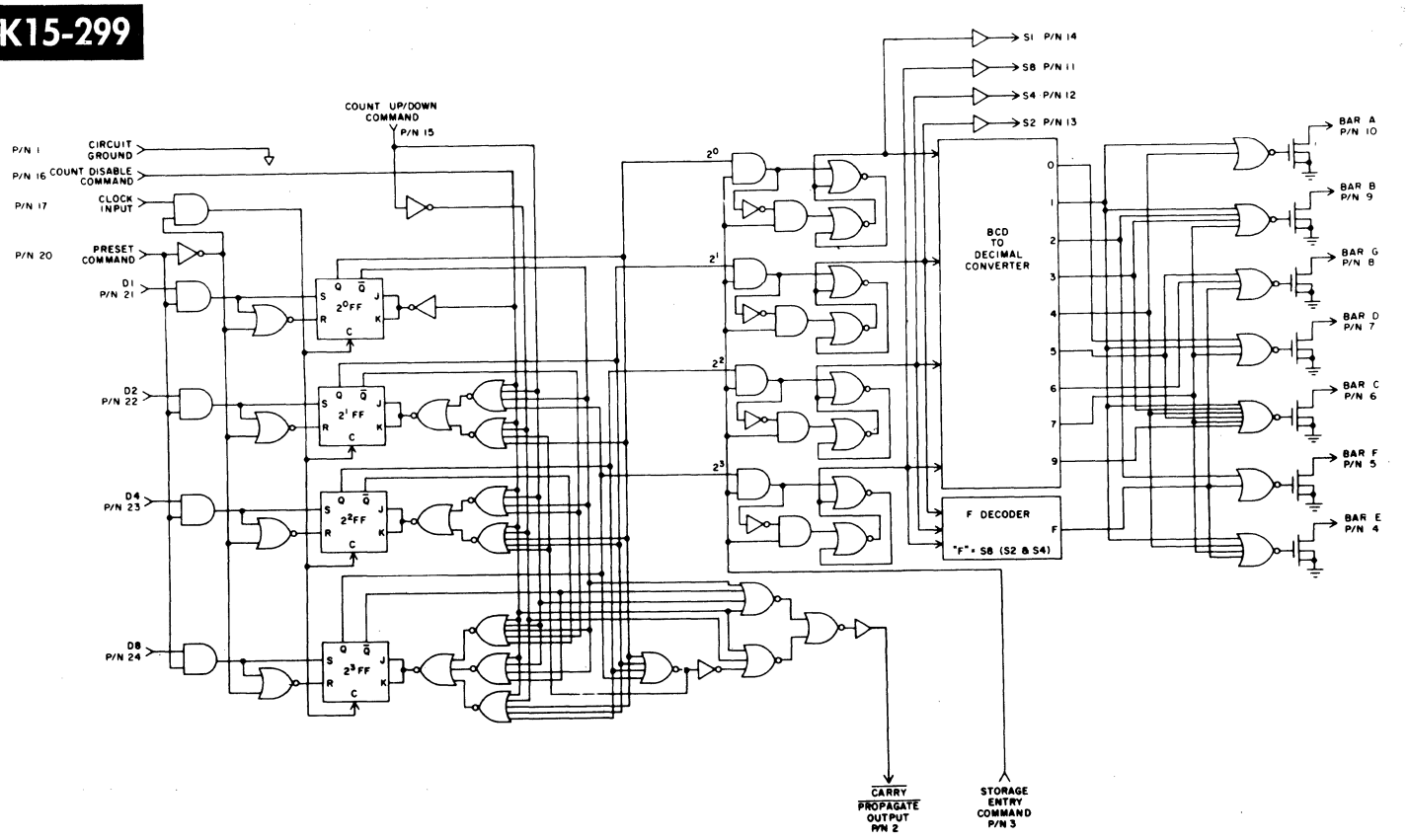
K15-296



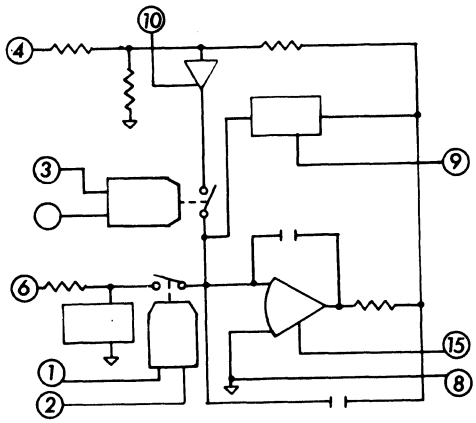
K15-297



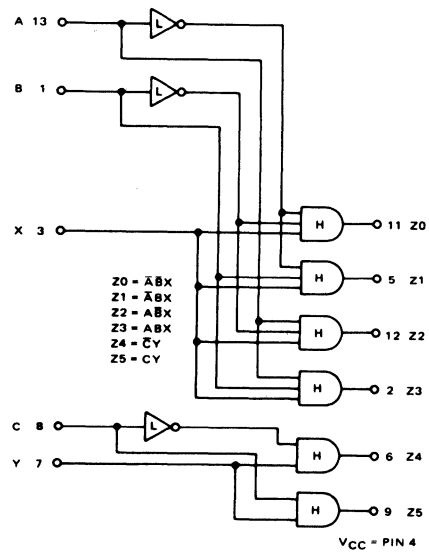
K15-299



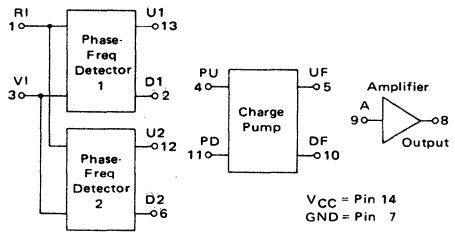
K15-300



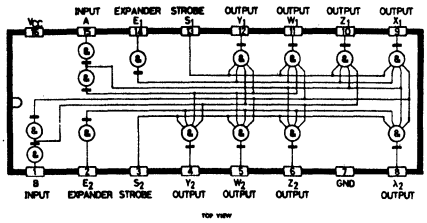
K15-312



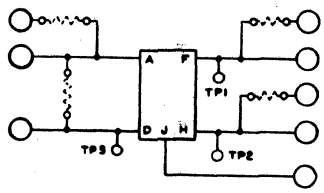
K15-316



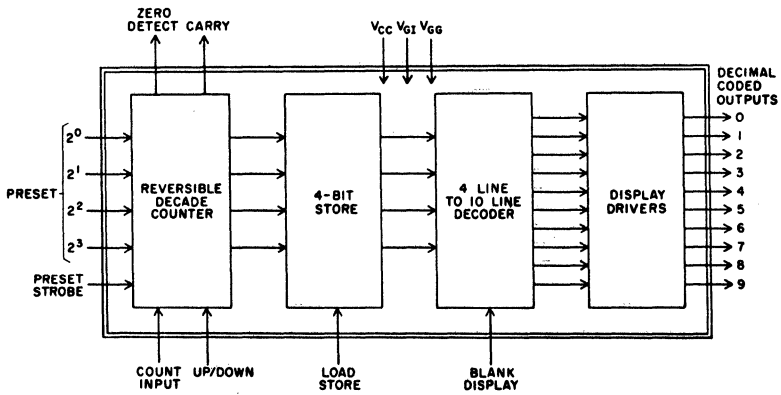
K15-330



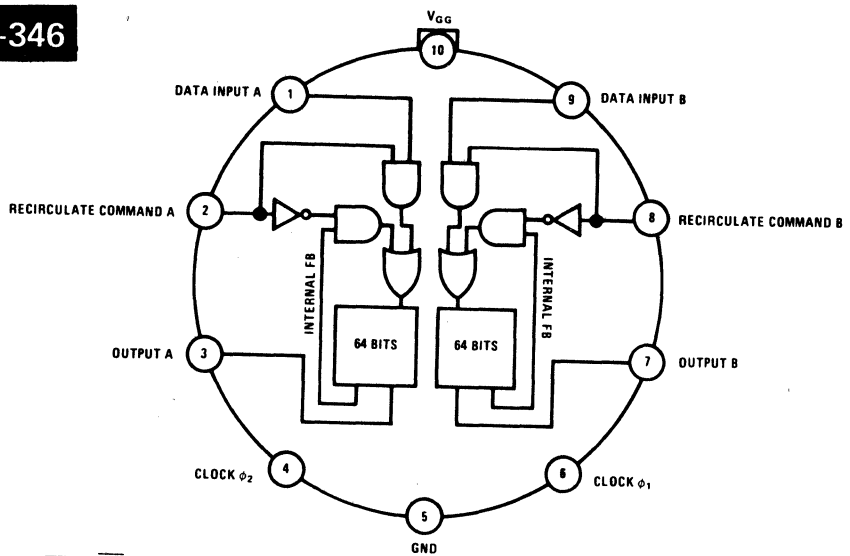
K15-337



K15-340



K15-346

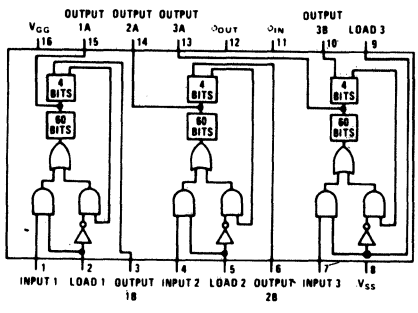


$(\overline{R+F}) + (\overline{R+I})$

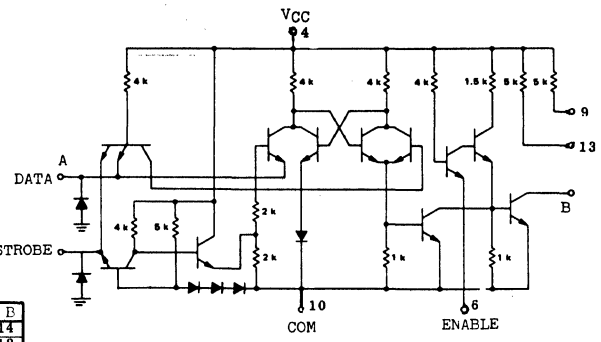
$(R+F) \cdot (\overline{R+I})$

$F\bar{R} + RI + IF = IR + F\bar{R}$

K15-347



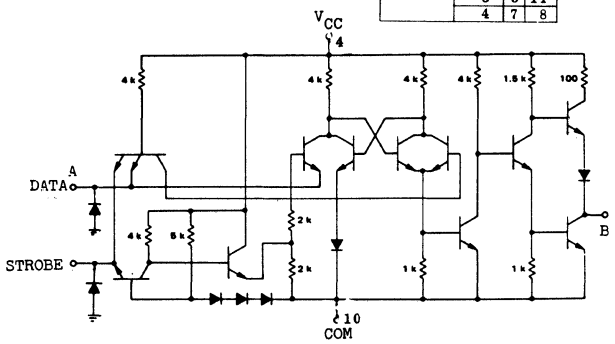
K15-351



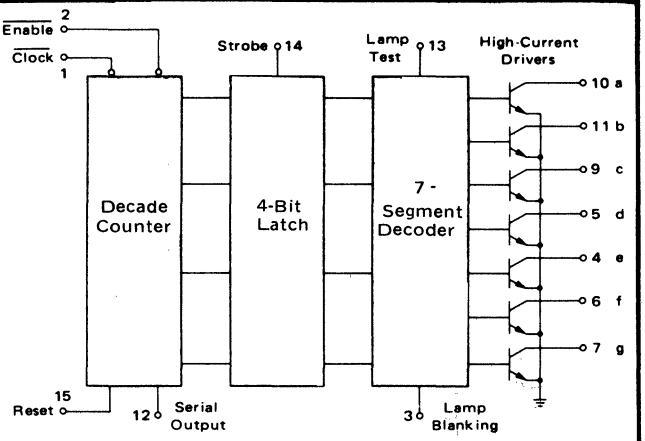
K15-351	CKT	A	B
	1	1	14
	2	3	12
	3	5	11
	4	7	8

K15-352

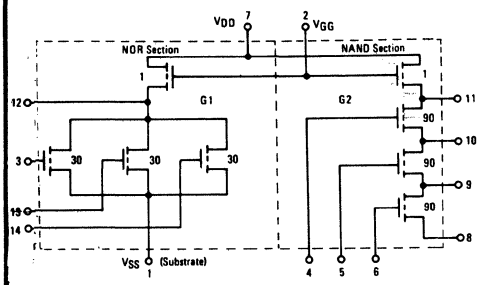
K15-352	CKT	A	B
	1	1	14
	2	3	12
	3	5	11
	4	7	8



K15-353

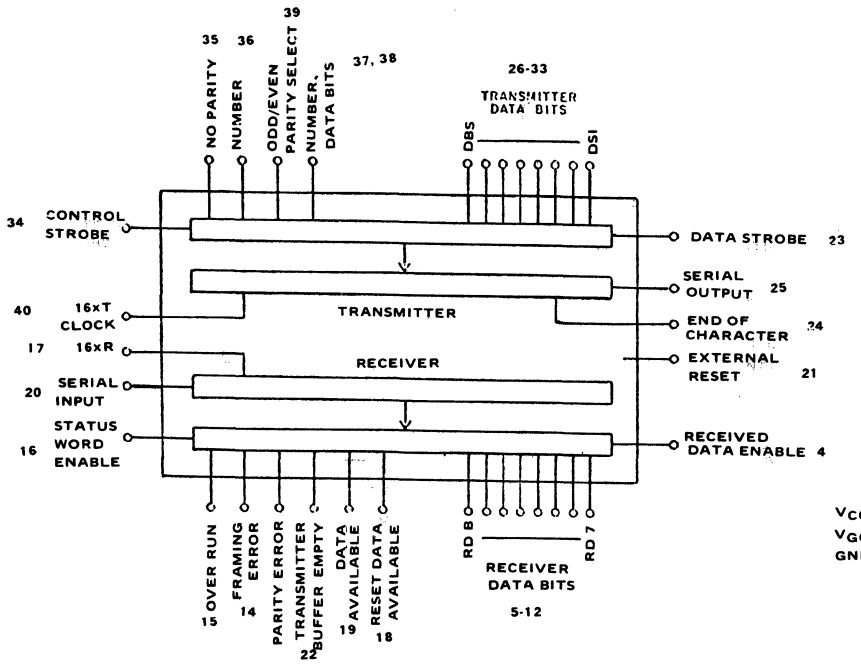


K15-359



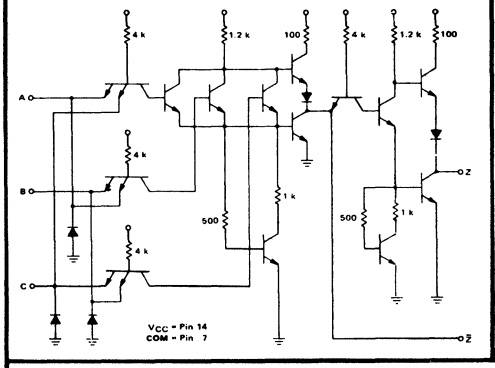
Numbers adjacent to MOS devices indicate the relative gain of each devic

K15-385

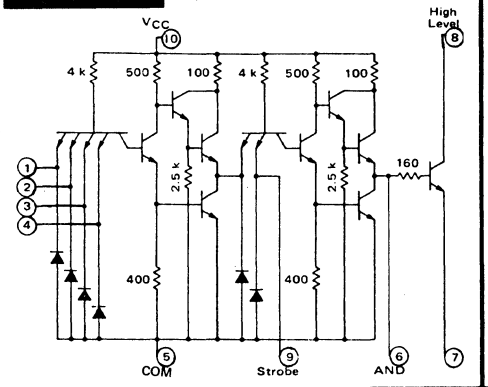


K15-389

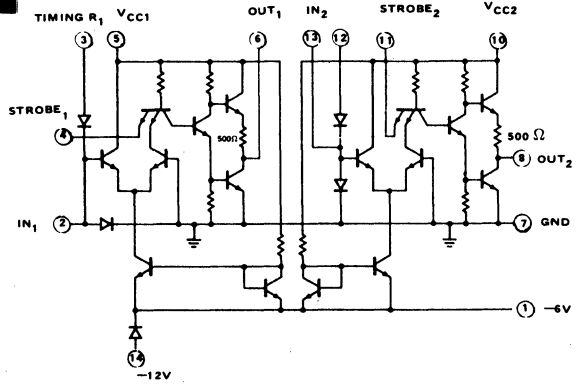
K15-389	CKT	A	B	C	Z	$\overline{Z}$
	1	1	2	3	5	4
	2	13	12	11	8	10



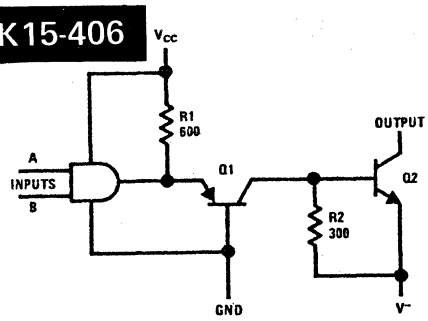
K15-393



K15-396

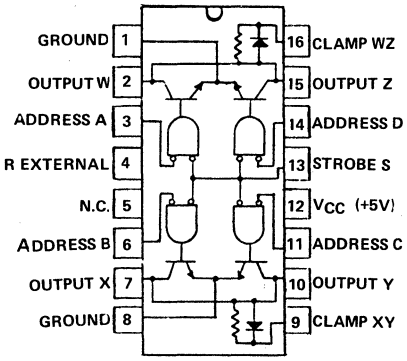


K15-406

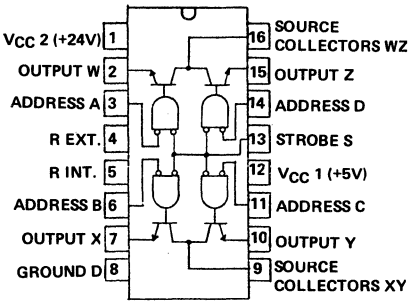


K15-406	PKG	CKT	A	B	V^-	OUTP.	VCC	GND
	CN	1	1	2	4	3	10	5
		2	9	8	6	7		
	M	1	2	3	5	6	14	7
		2	13	12	10	9		

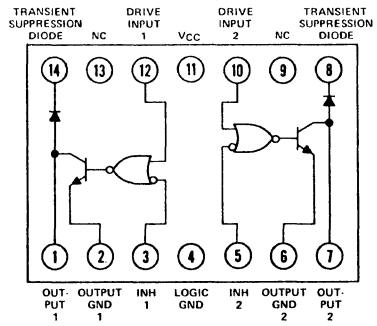
K15-423



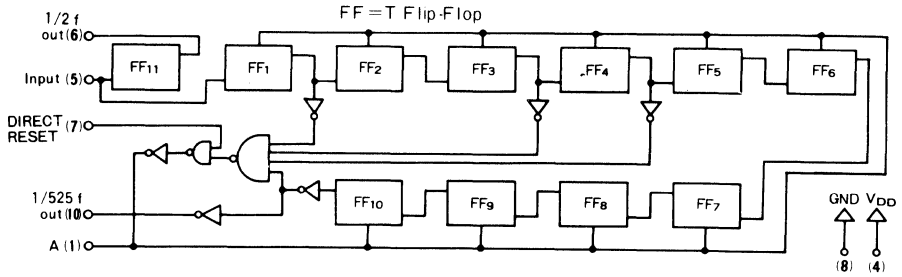
K15-424



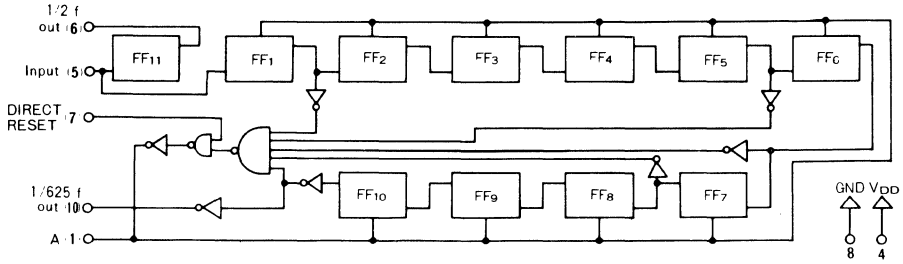
K15-426



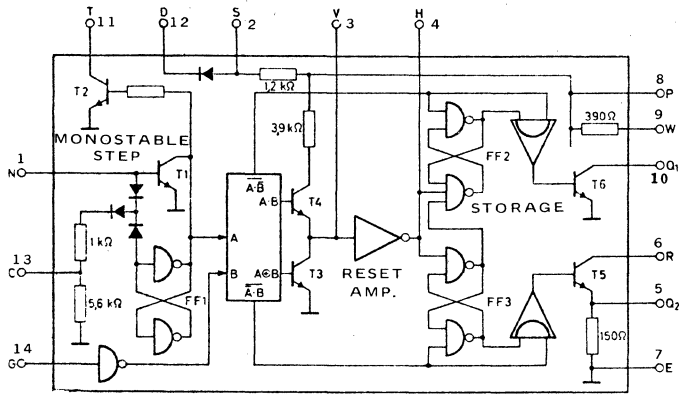
K15-429



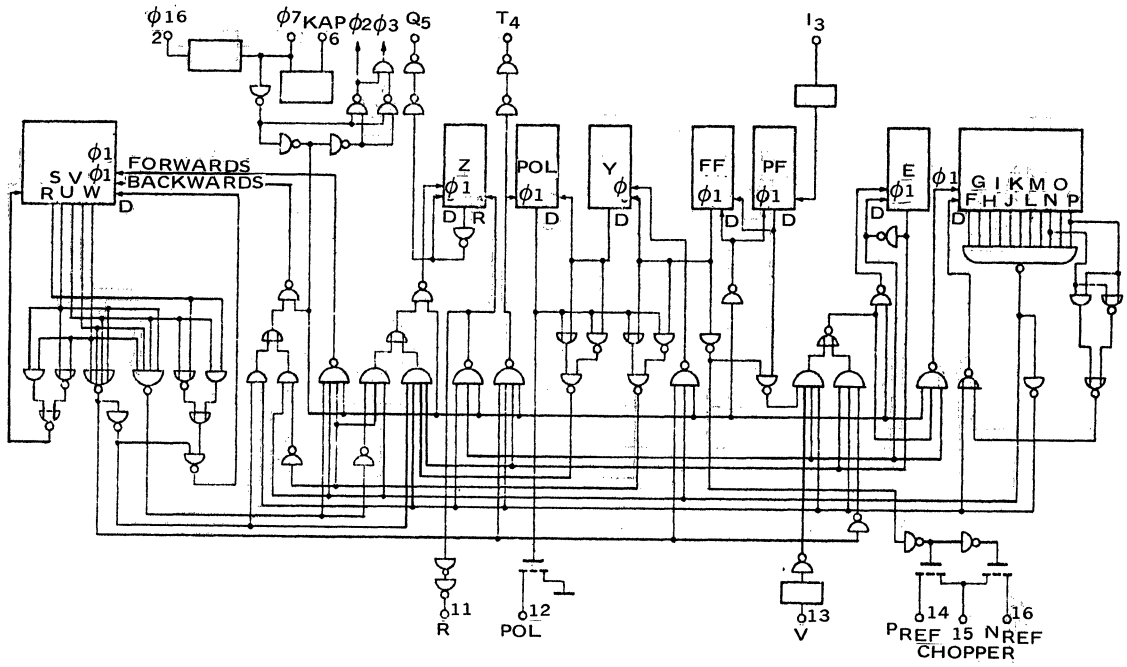
K15-430



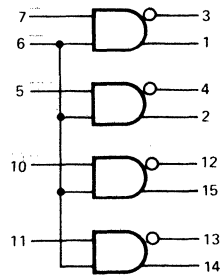
K15-435



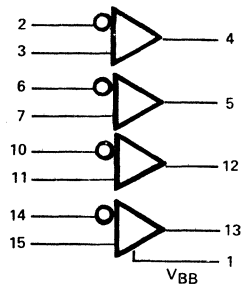
K15-436



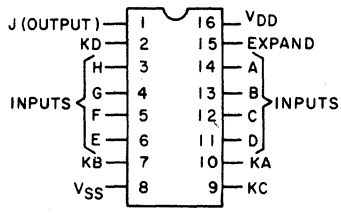
K15-437



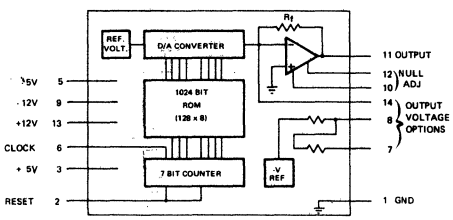
K15-438



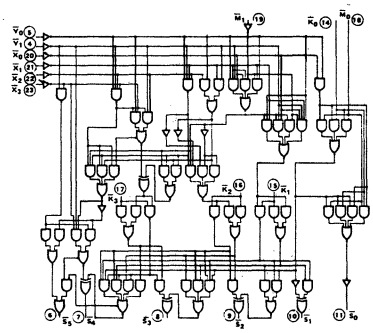
K15-444



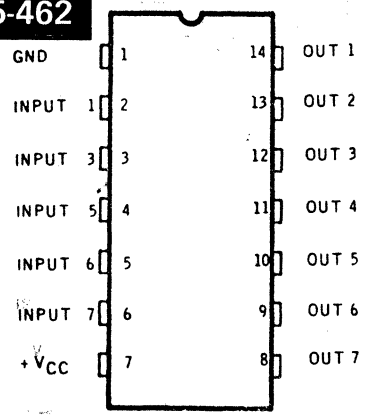
K15-445



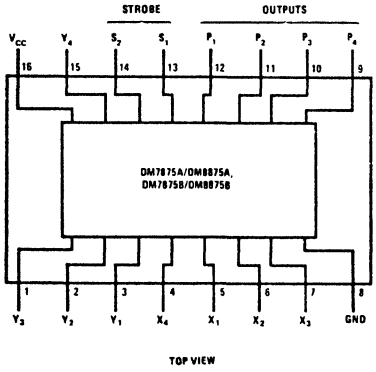
K15-448



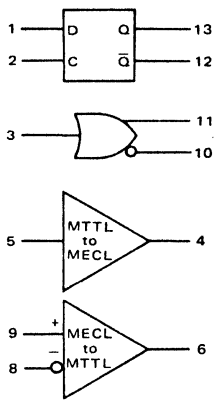
K15-462



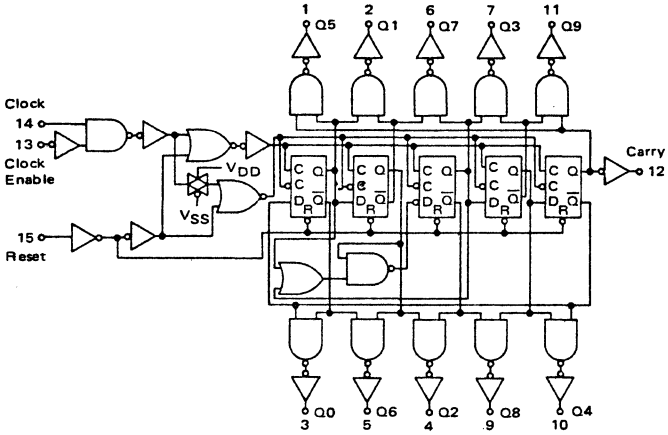
K15-473



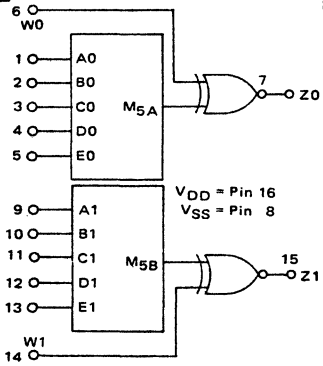
K15-493



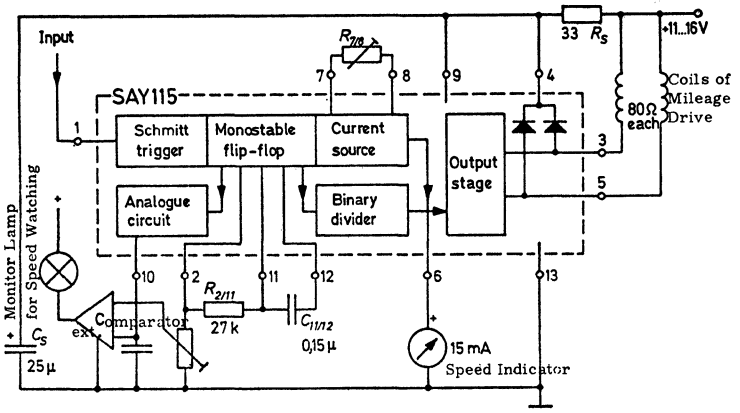
K15-494



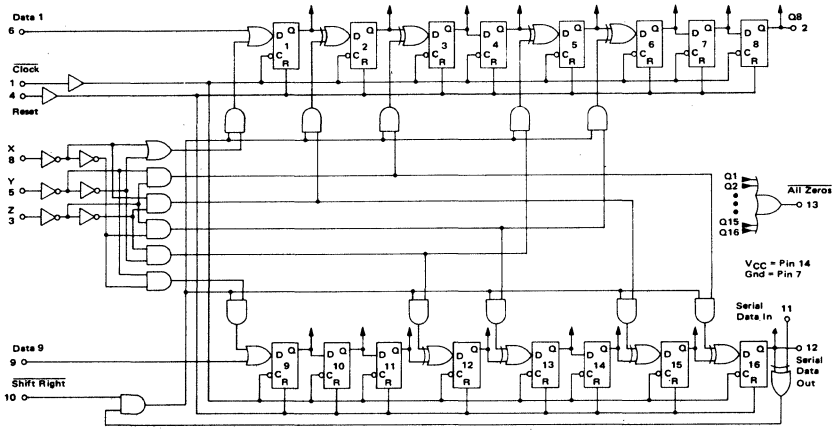
K15-496



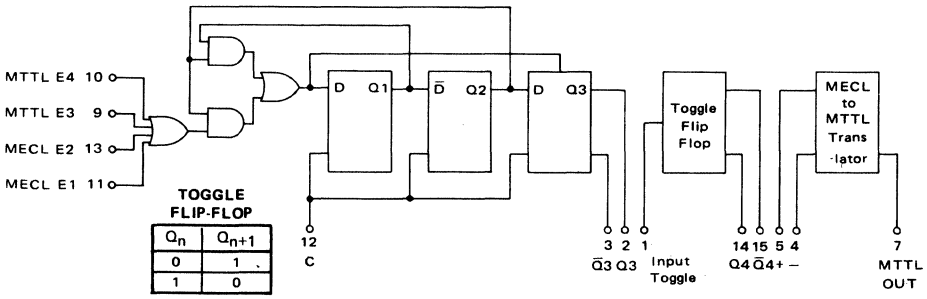
K15-511



K15-517



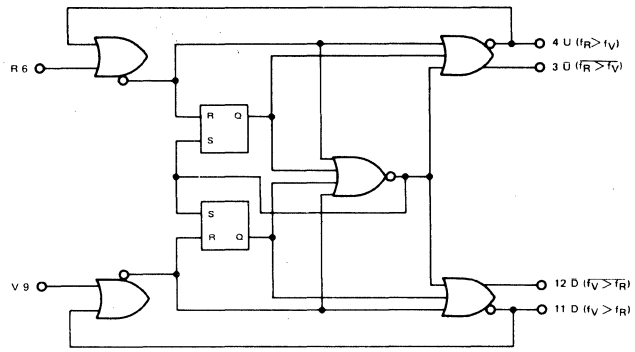
K15-519



TOGGLE FLIP-FLOP

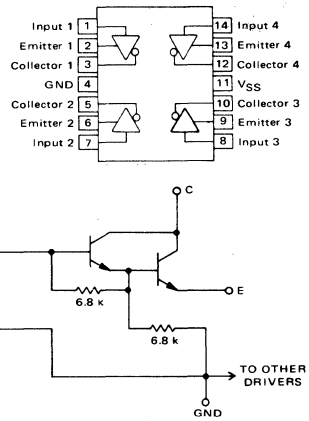
Q_n	Q_{n+1}
0	1
1	0

K15-520

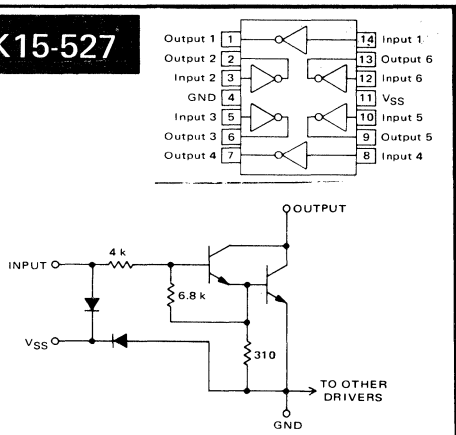


V_{CC1} = Pin 1
V_{CC2} = Pin 14
V_{CC3} = Pin 7

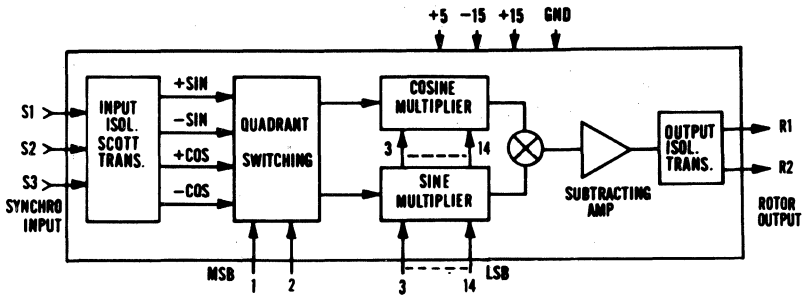
K15-526



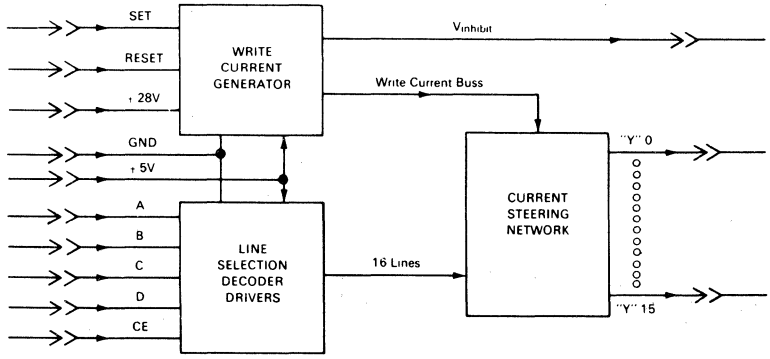
K15-527



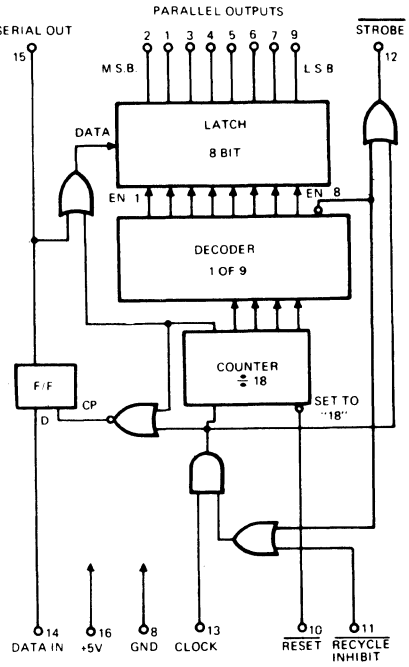
K15-529



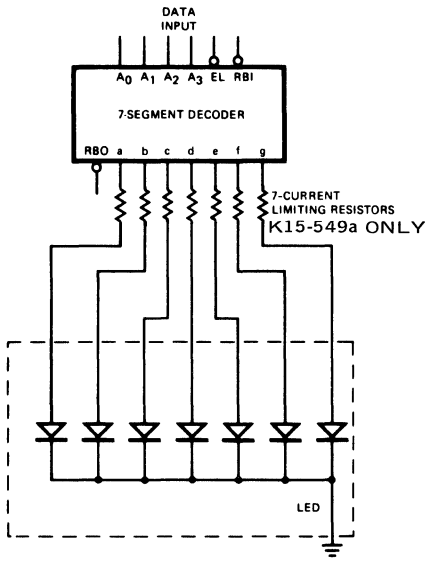
K15-532



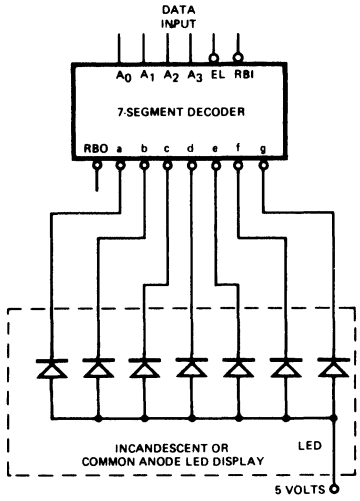
K15-539



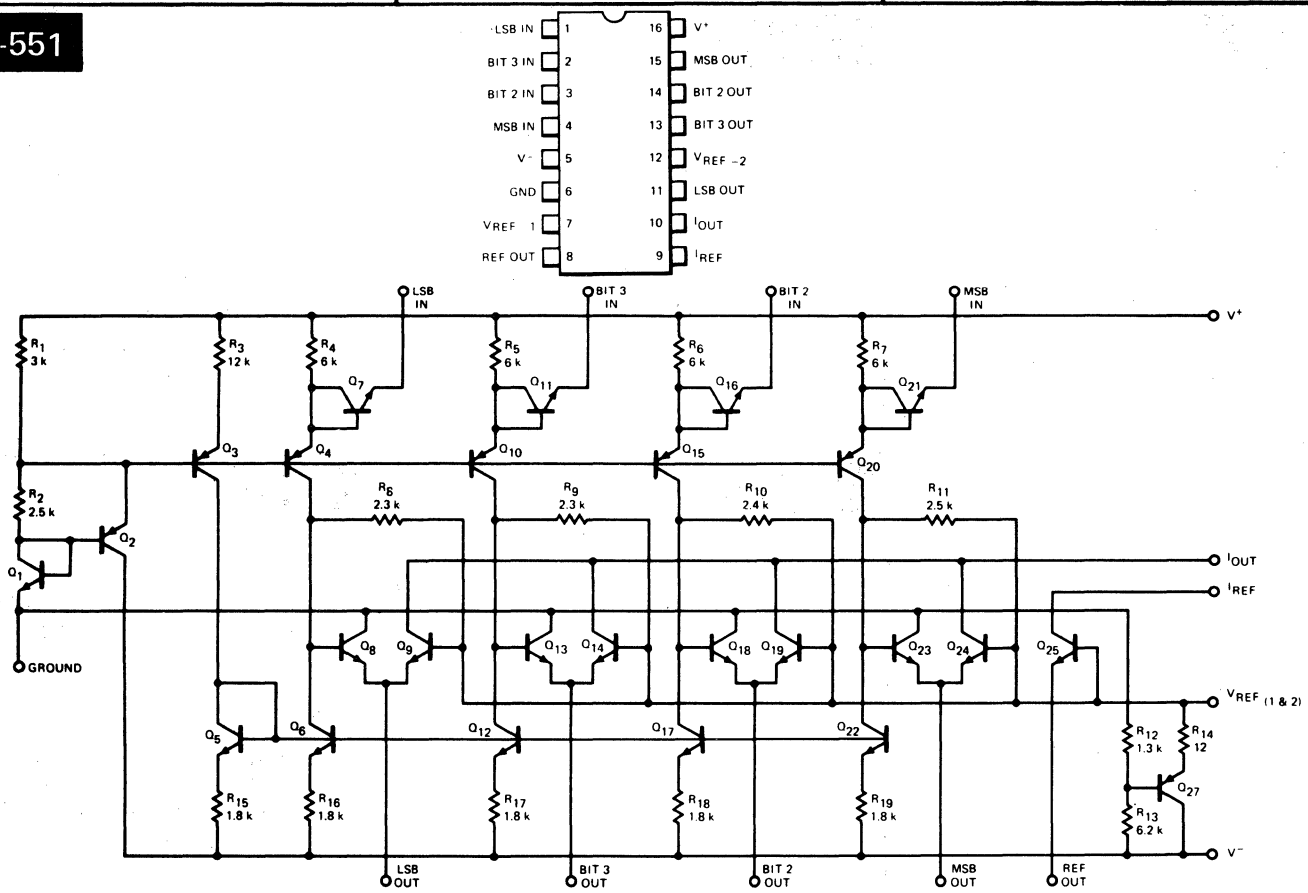
K15-549



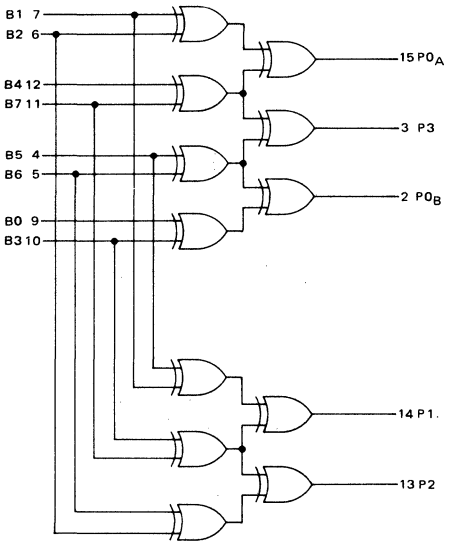
K15-550



K15-551

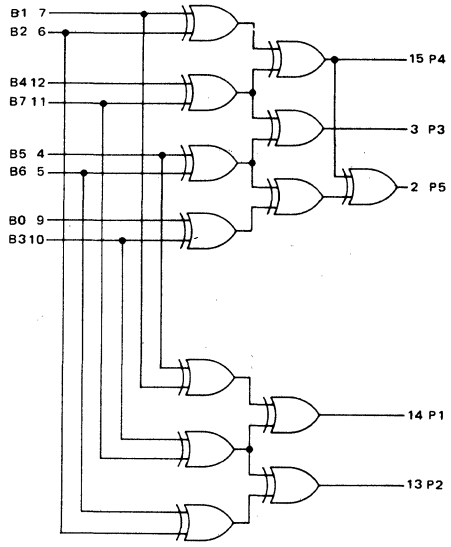


K15-556



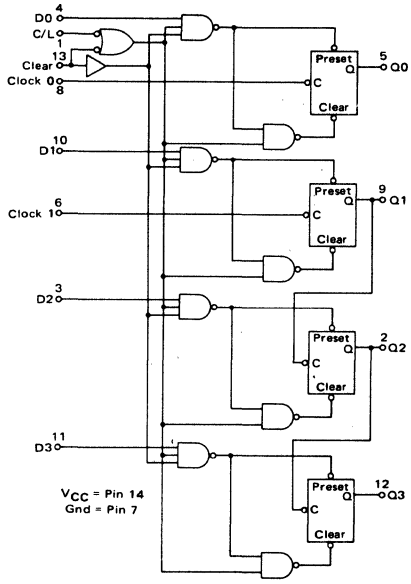
V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

K15-557



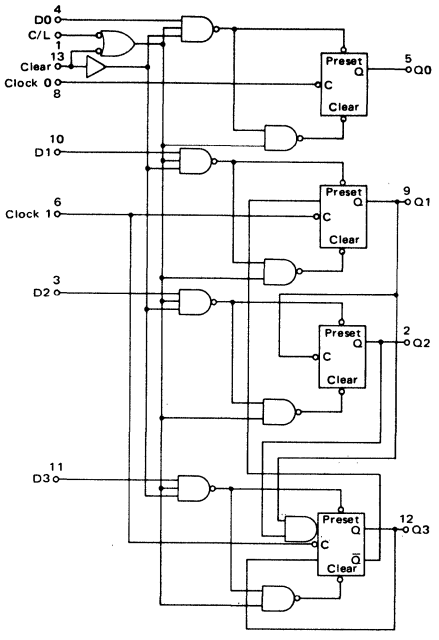
V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

K15-558



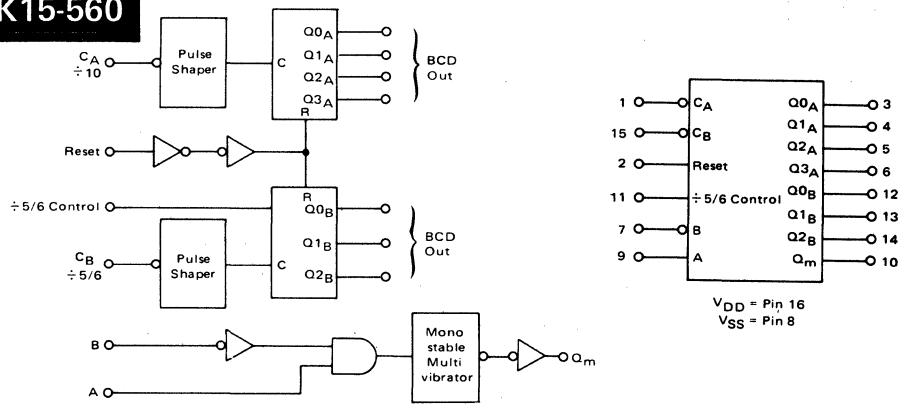
V_{CC} = Pin 14
Gnd = Pin 7

K15-559



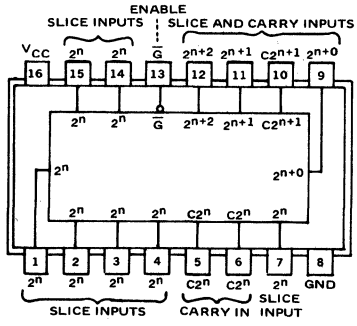
V_{CC} = Pin 14
Gnd = Pin 7

K15-560

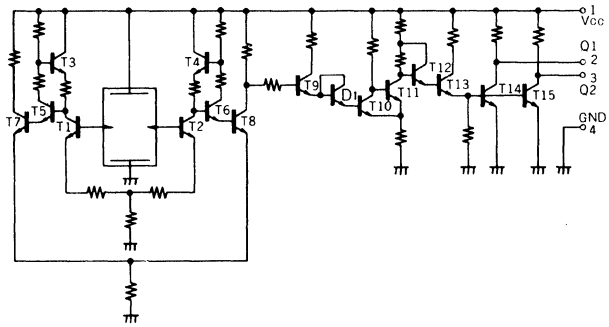


V_{DD} = Pin 16
V_{SS} = Pin 8

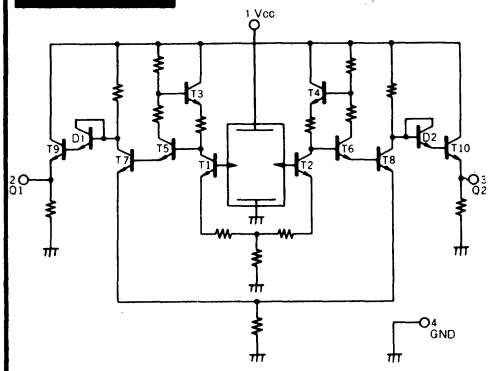
K15-563



K15-567

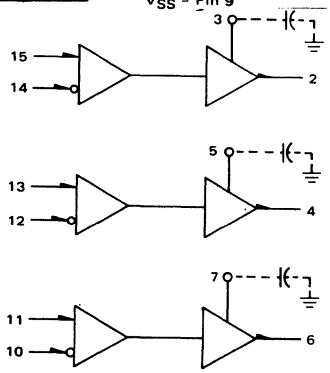


K15-568

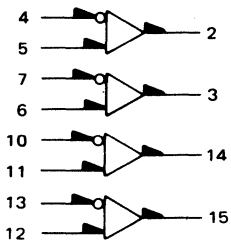


K15-570

V_{CC} = Pins 1,16
V_{EE} = Pin 8
V_{SS} = Pin 9



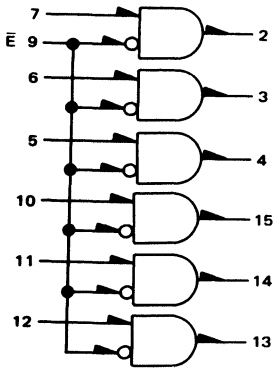
K15-571



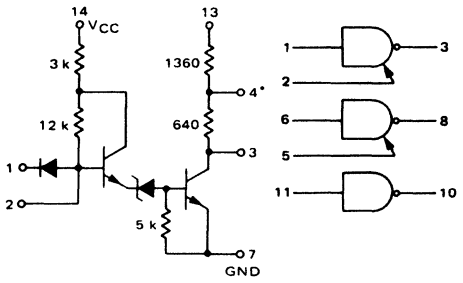
V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8
V_{SS} = Pin 9 Translator
V_{CC} = Pin 9 Receiver

K15-572

V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

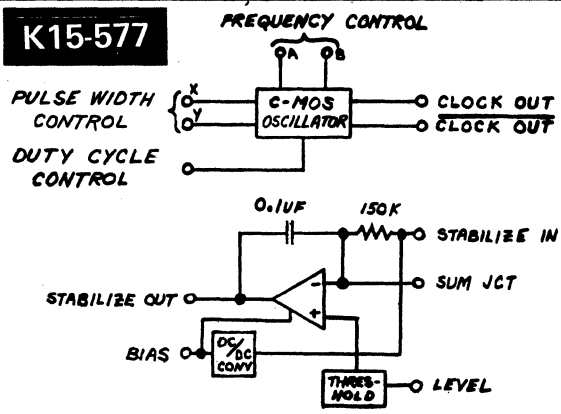


K15-575



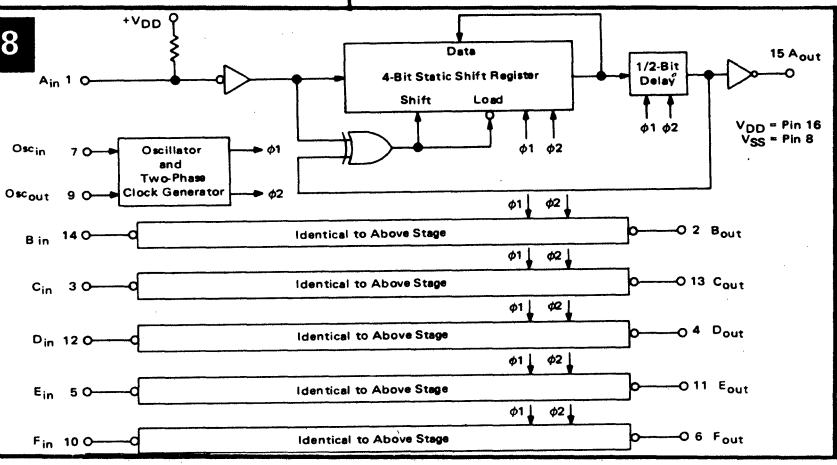
*Use pin 9 for second translator and pin 12 for third translator.

K15-577

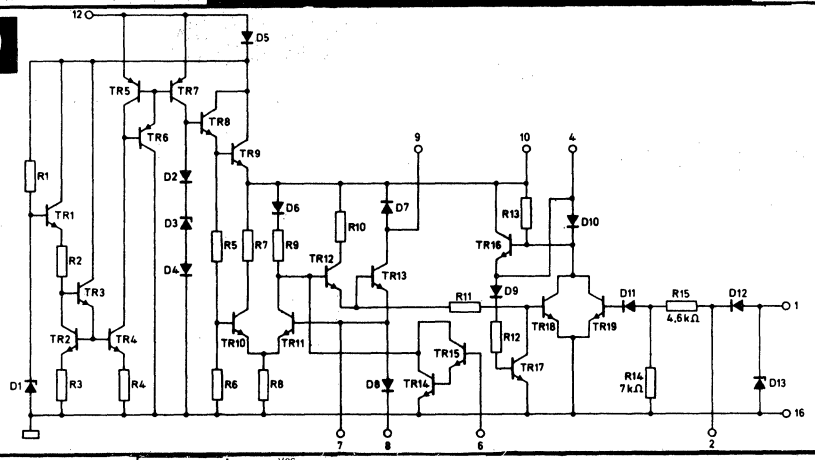


PIN	FUNCTION
1	+V (+5V)
2	+V (+5V)
4	FREQUENCY CONTROL (B)
5	FREQUENCY CONTROL (A)
6	DUTY CYCLE CONTROL
8	STABILIZE OUT
10	BIAS
12	GRD
13	GRD
14	LEVEL
17	STABILIZE IN
19	SUM JCT
21	PULSE WIDTH CONTROL (Y)
22	PULSE WIDTH CONTROL (X)
24	CLOCK OUT
26	CLOCK OUT

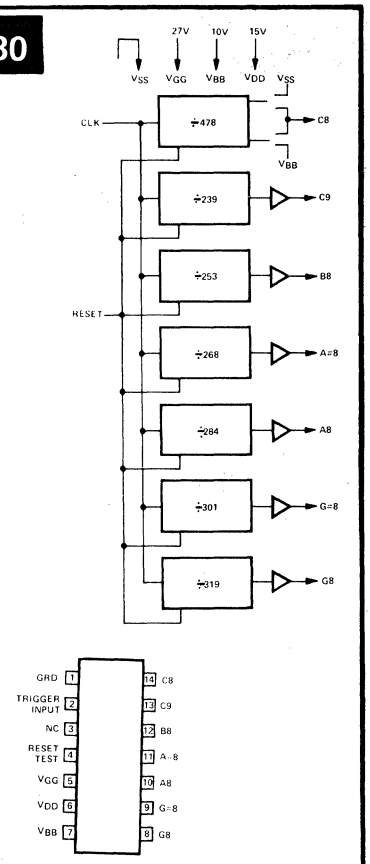
K15-578



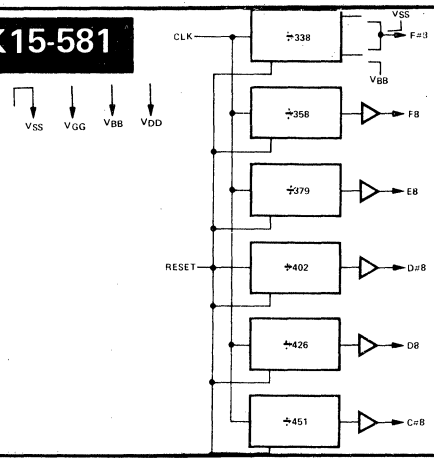
K15-579

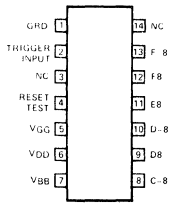


K15-580

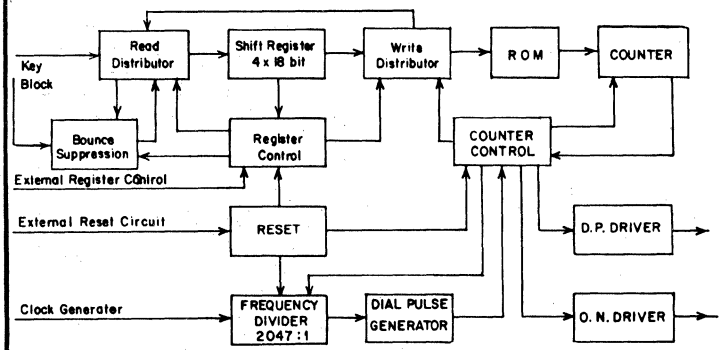


K15-581





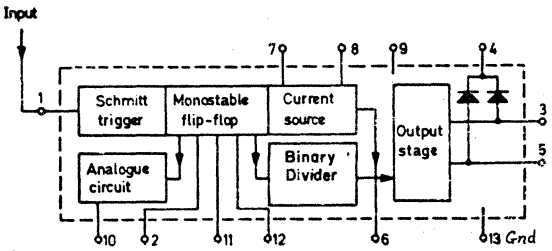
K15-582



Pin Configuration

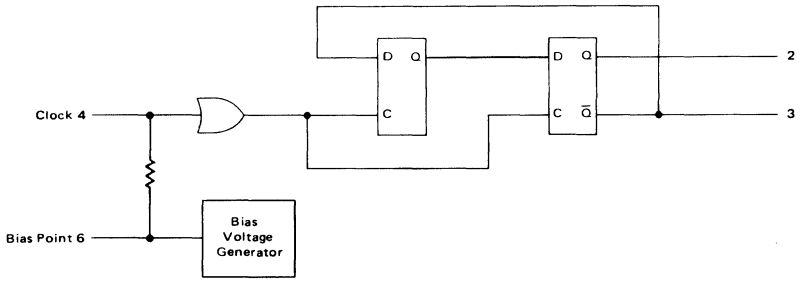
1 Case, substrate, ground
2 o. n. output
3 d. p. output
4 Reset input
5 Strobe input
6 External register control input
7 Clock t1
8 Clock t2
9 Input A
10 Input B
11 Input C
12 Input D
13 Option t_z (ground-833/ open=433)
14 Option $t_{p/T}$ (ground=0.62/ open=0.66)

K15-583

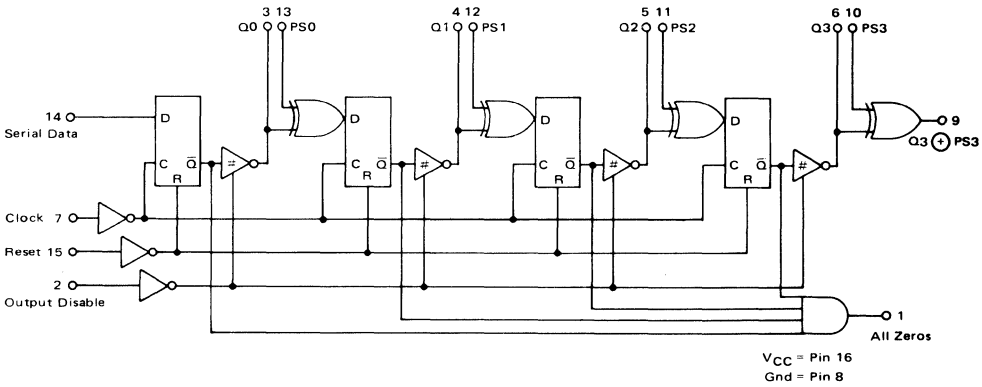


K15-584

V_{CC1} = Pin 1
V_{CC2} = Pin 8
V_{EE} = Pin 5

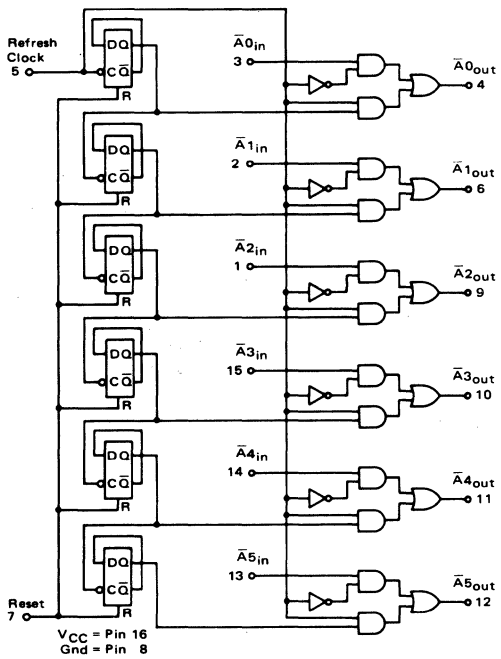


K15-585



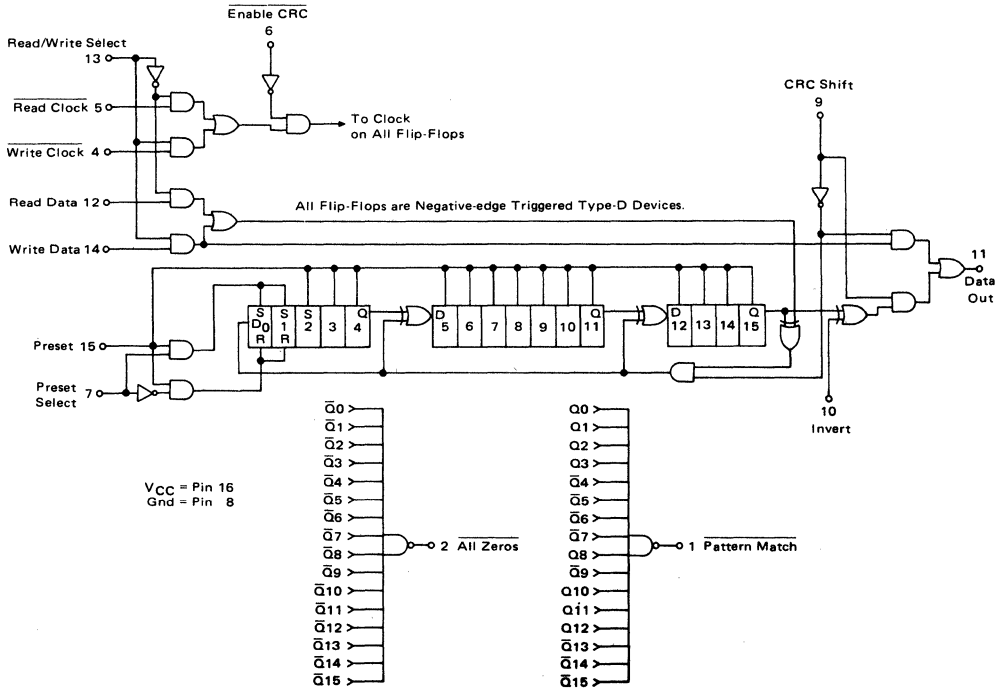
V_{CC} = Pin 16
Gnd = Pin 8

K15-586

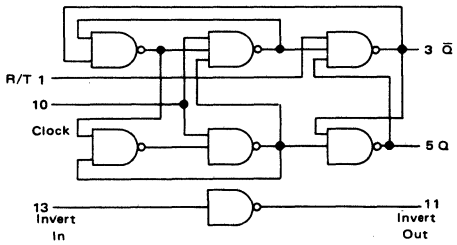


V_{CC} = Pin 16
Gnd = Pin 8

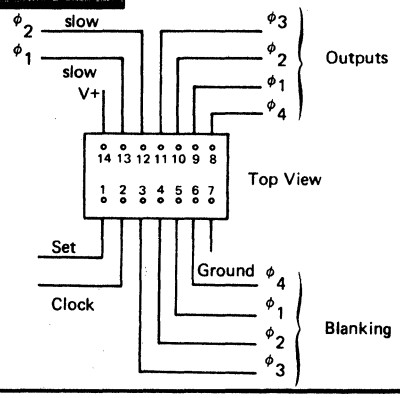
K15-587



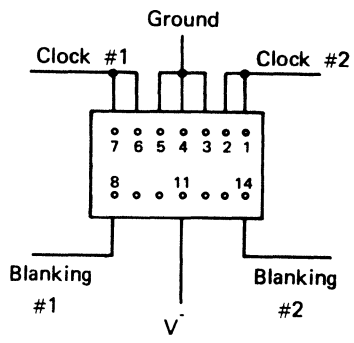
K15-588



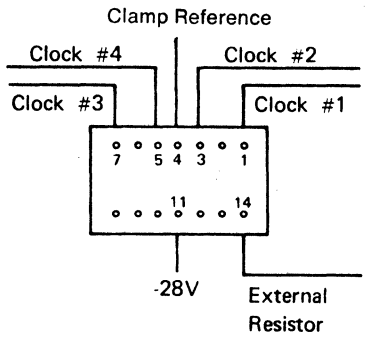
K15-590



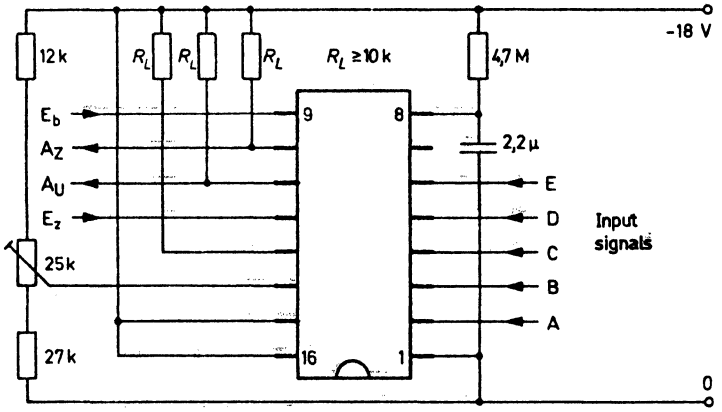
K15-591



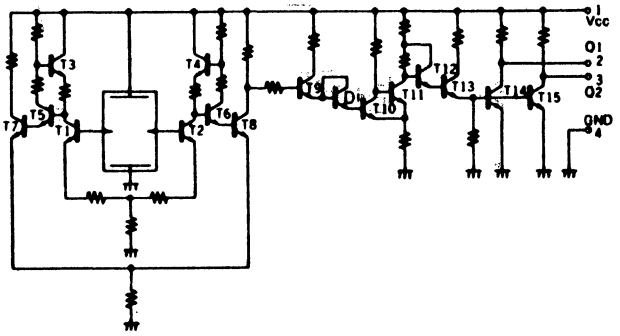
K15-592



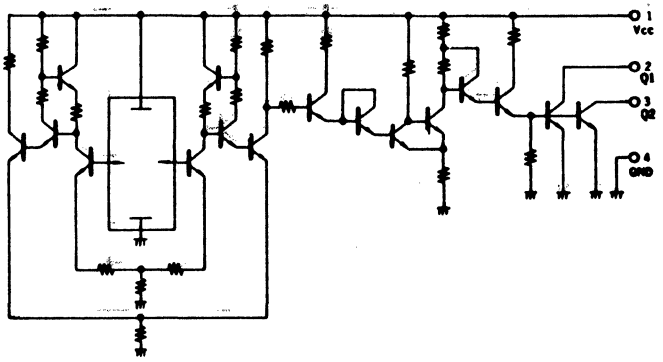
K15-593



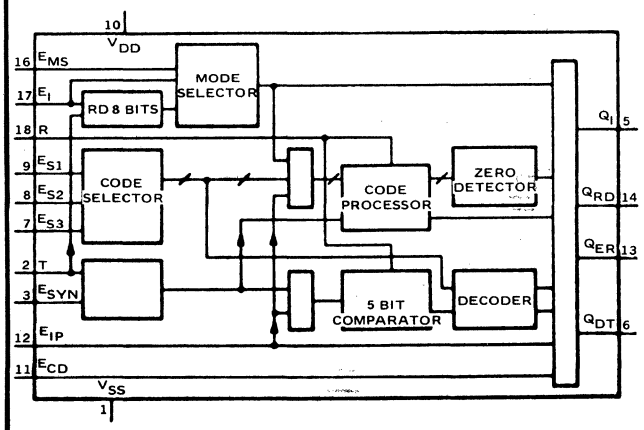
K15-594



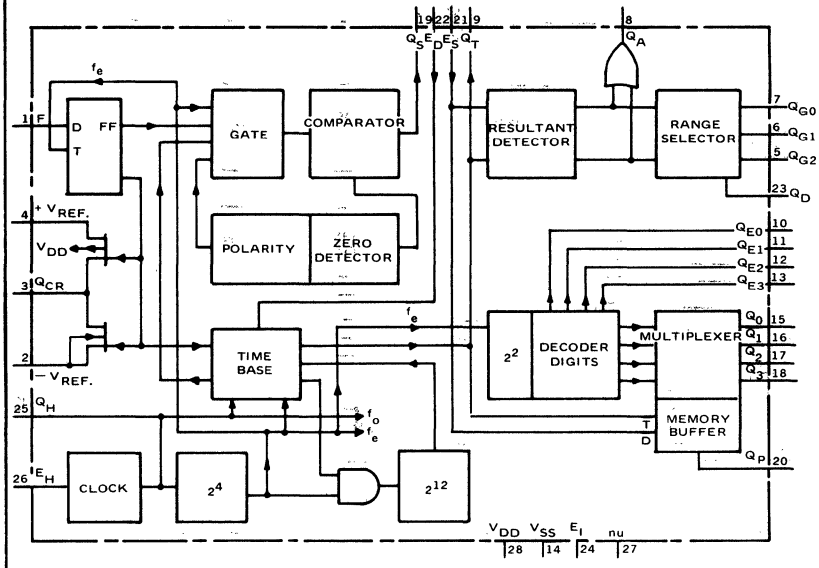
K15-595



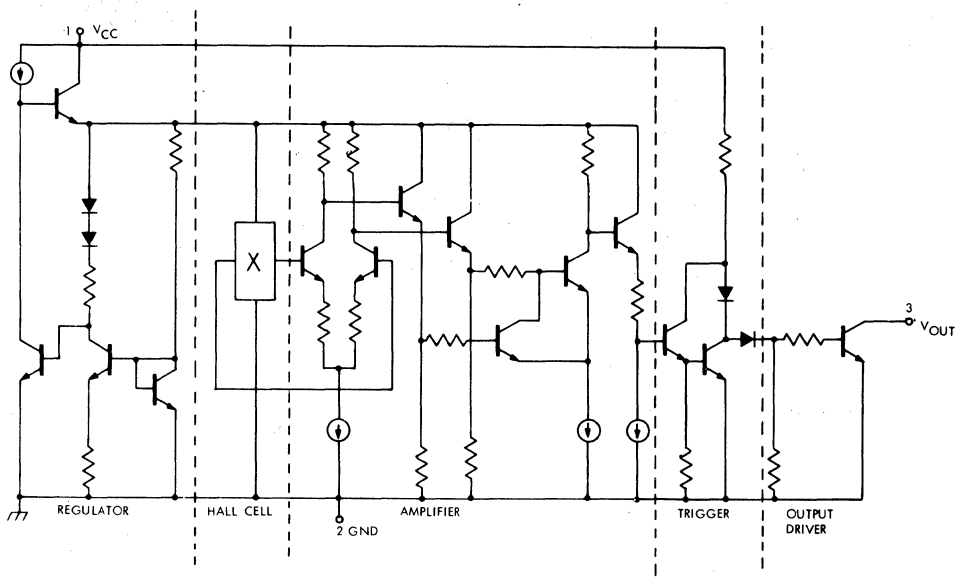
K15-596



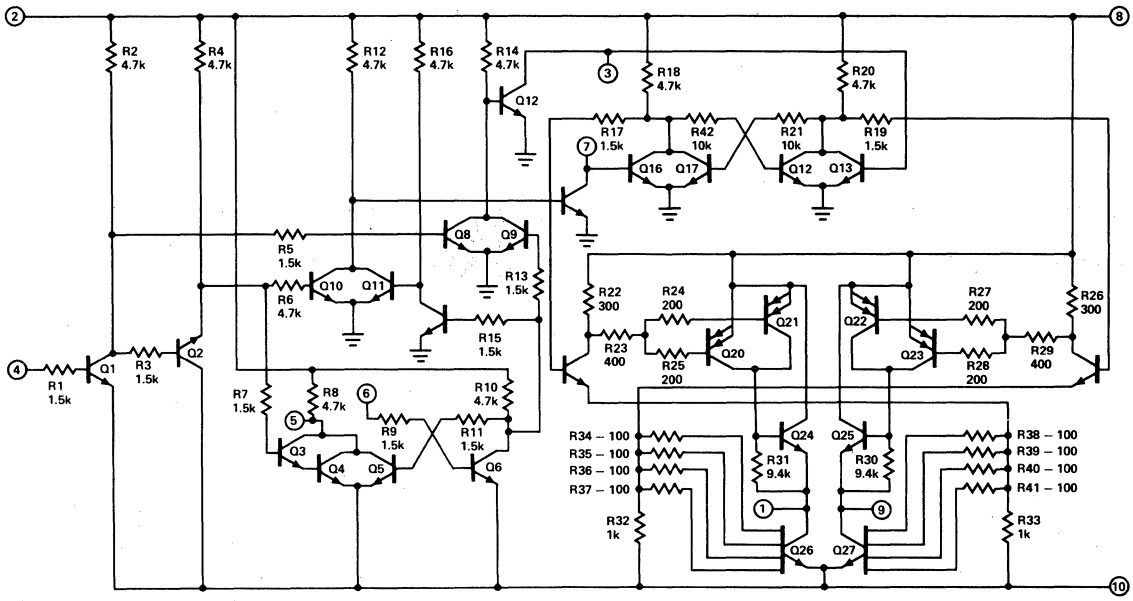
K15-597



K15-598

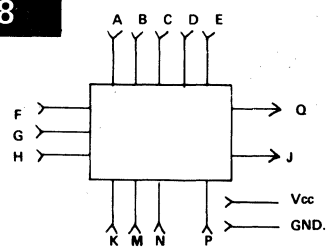


K15-599



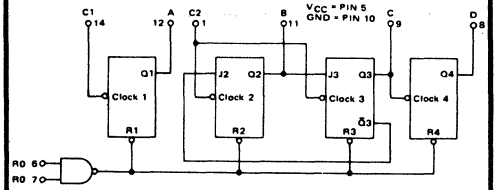
NOTE: All resistor values are shown in ohms.

K16-8

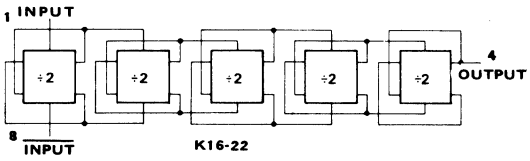


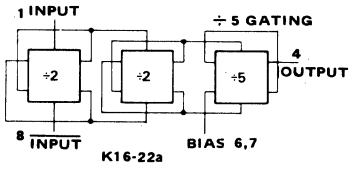
	CKT	P	Q	VCC	GND
K16-8	1	35	39	51	14,20,36,52
	2	19	23	51	14,20,36,52
	3	3	7	51	14,20,36,52
K16-8a	1	46	39	51	1,52
	2	28	21	51	1,52
	3	12	5	51	1,52

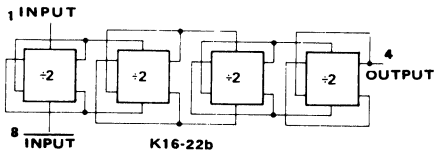
K16-9



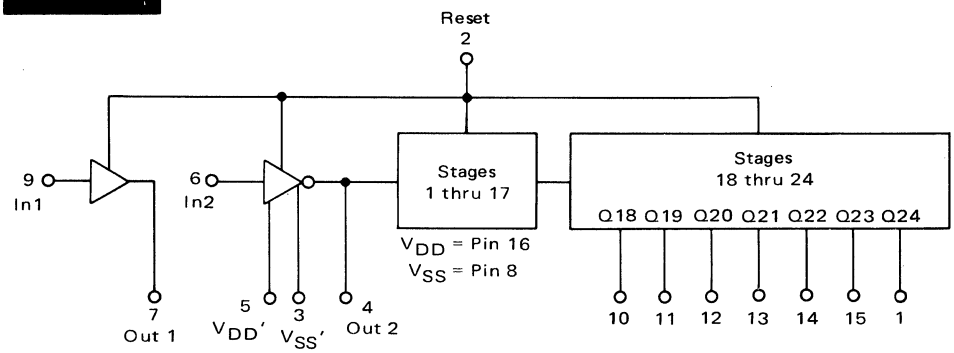
K16-22



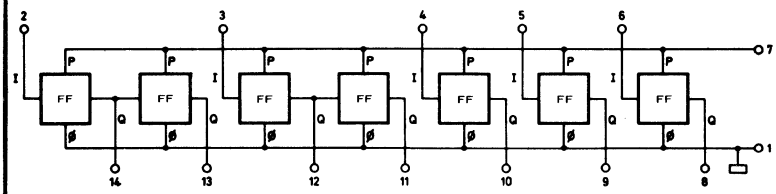




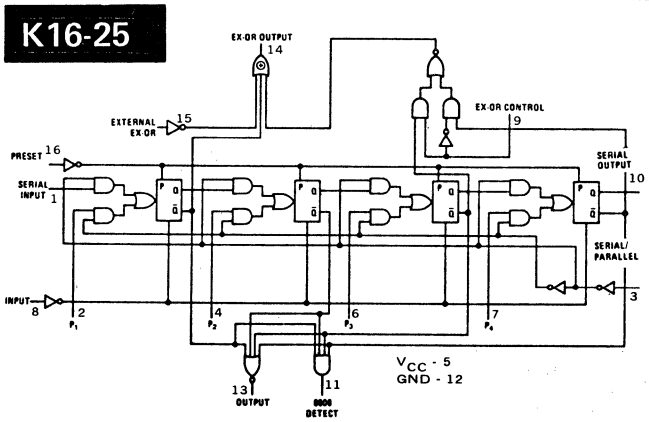
K16-23



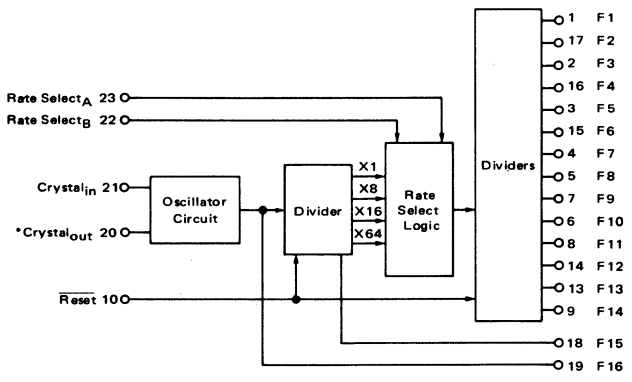
K16-24



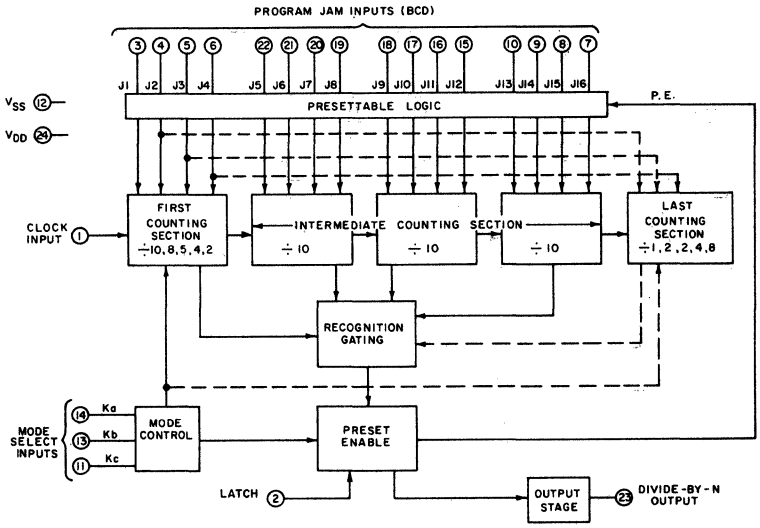
K16-25



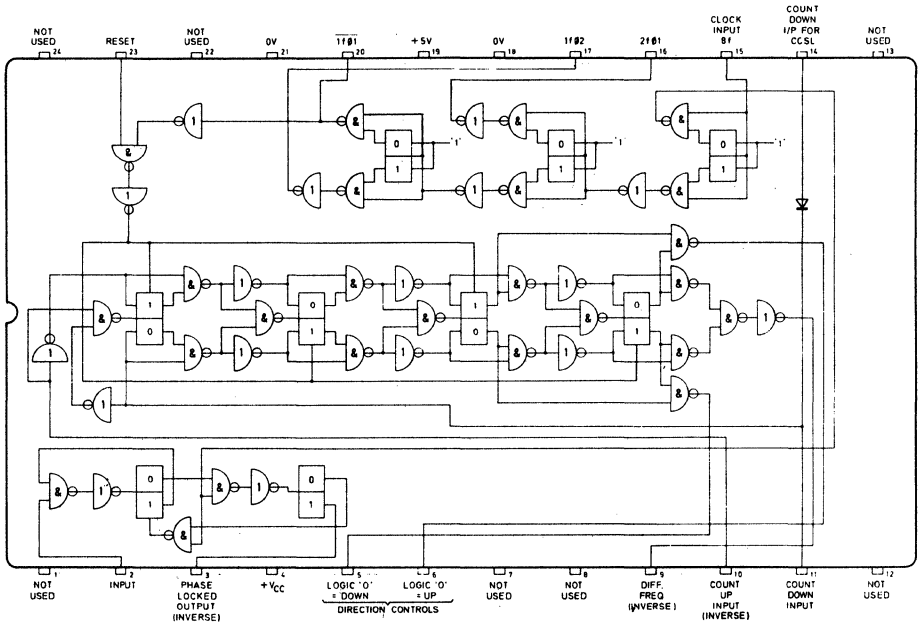
K16-26



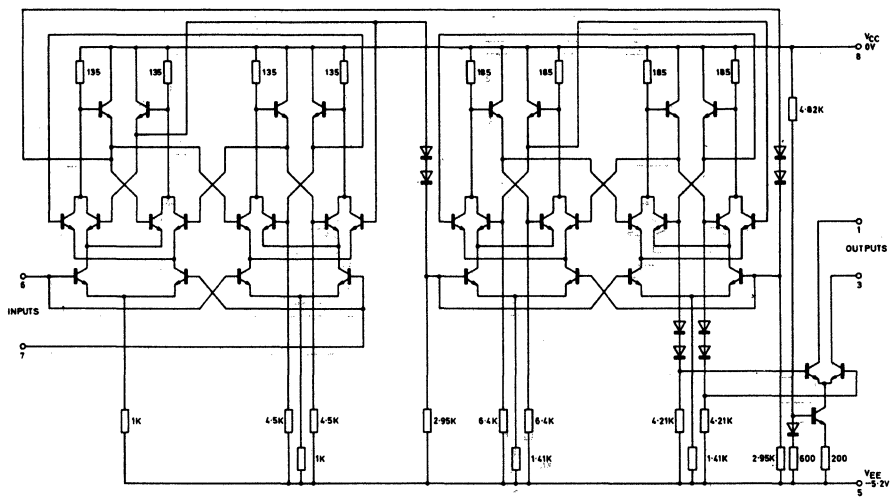
K16-27



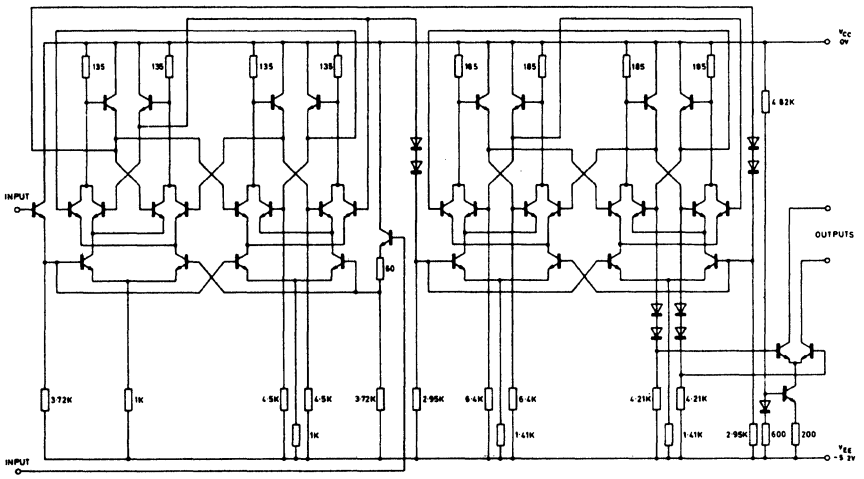
K16-28



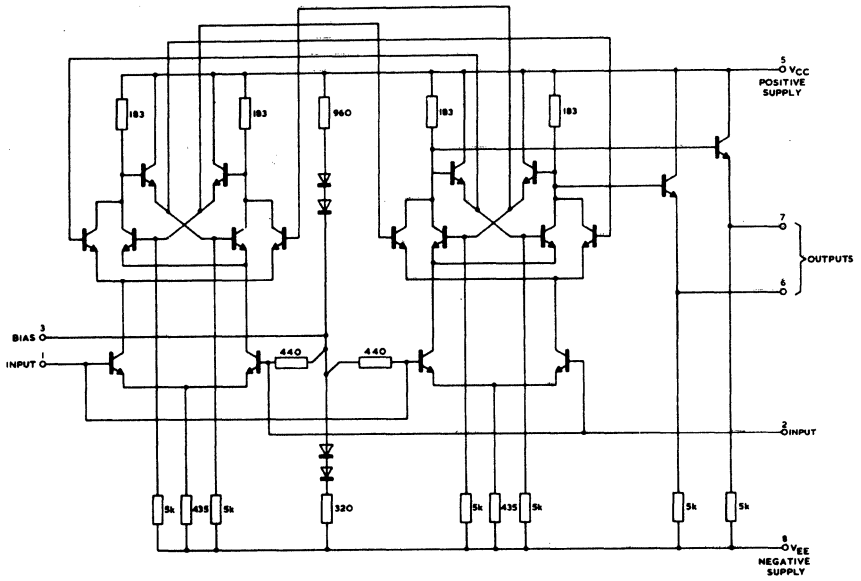
K16-29



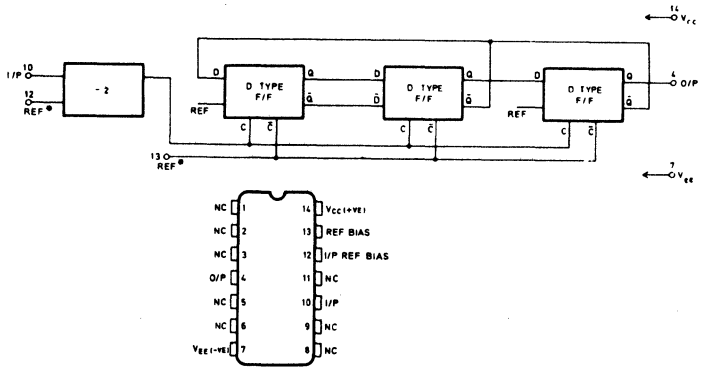
K16-30



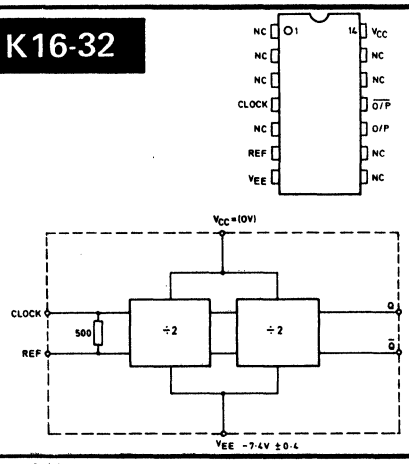
K16-31



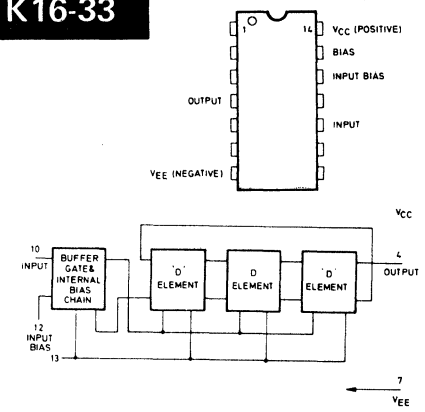
K16-34



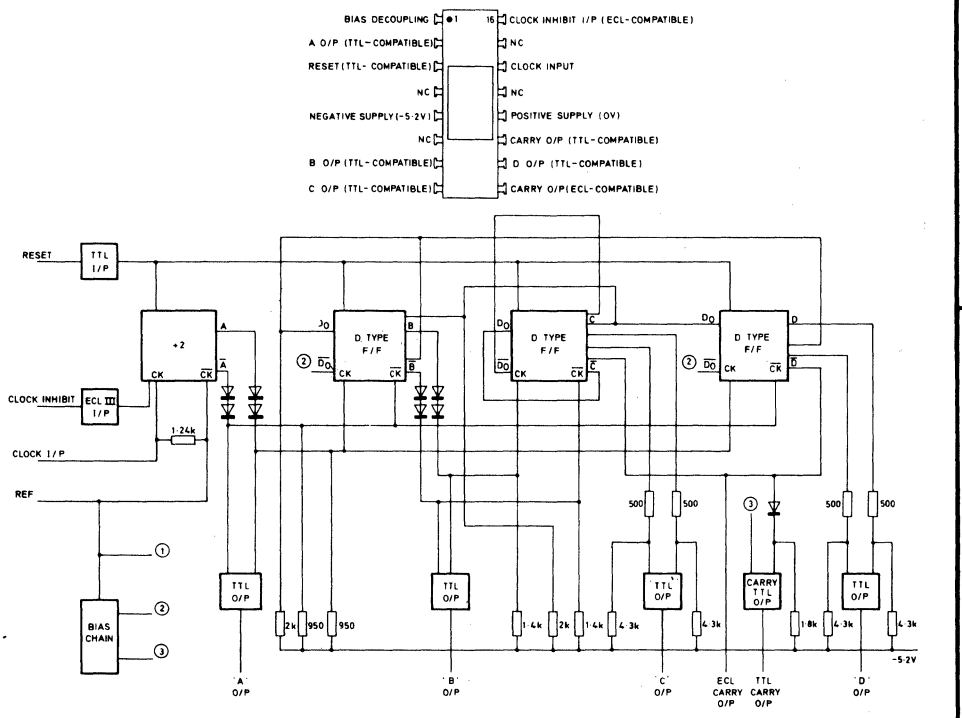
K16-32



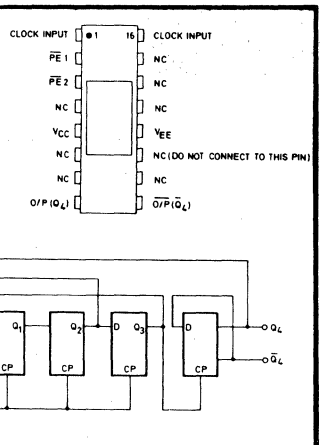
K16-33



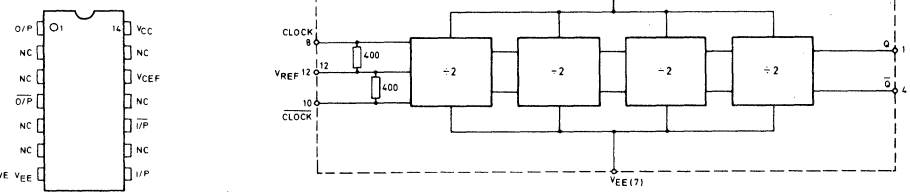
K16-35



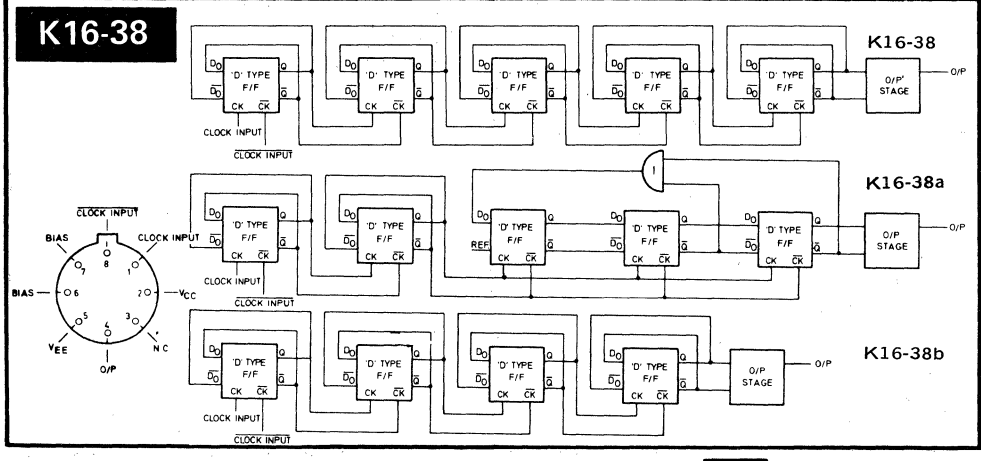
K16-36



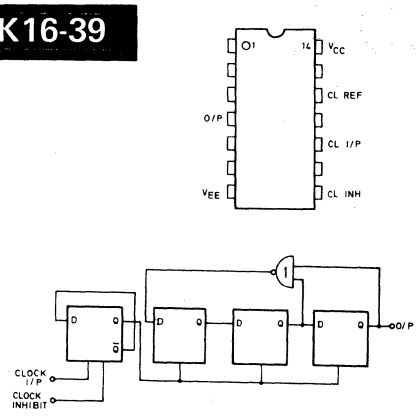
K16-37



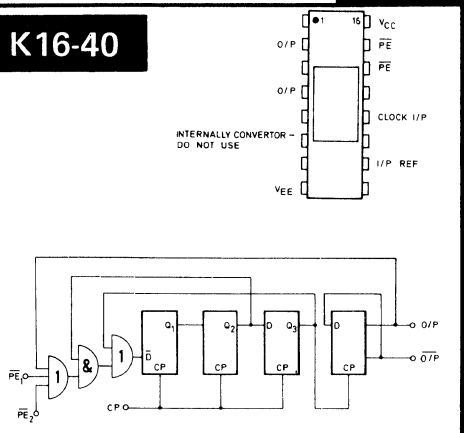
K16-38



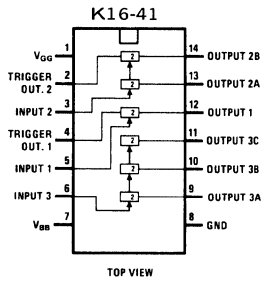
K16-39

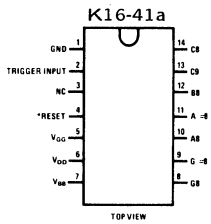


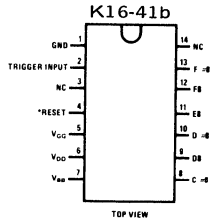
K16-40



K16-41

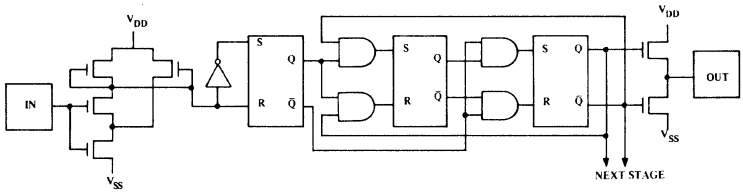


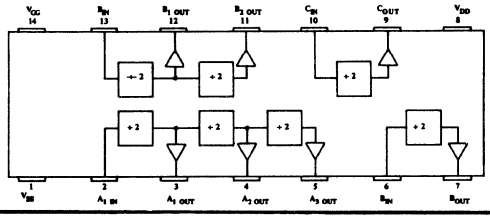




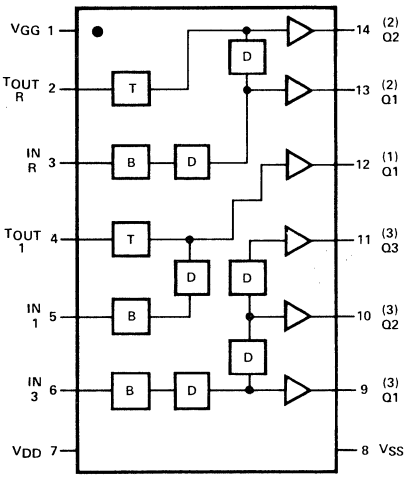
*Used only for testing. Pin 4 is normally grounded.

K16-42

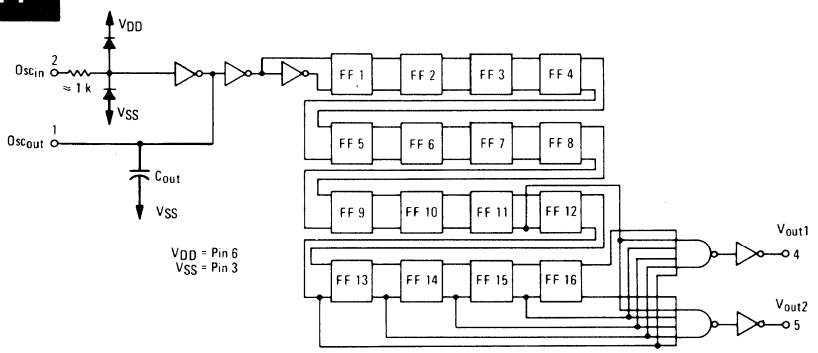




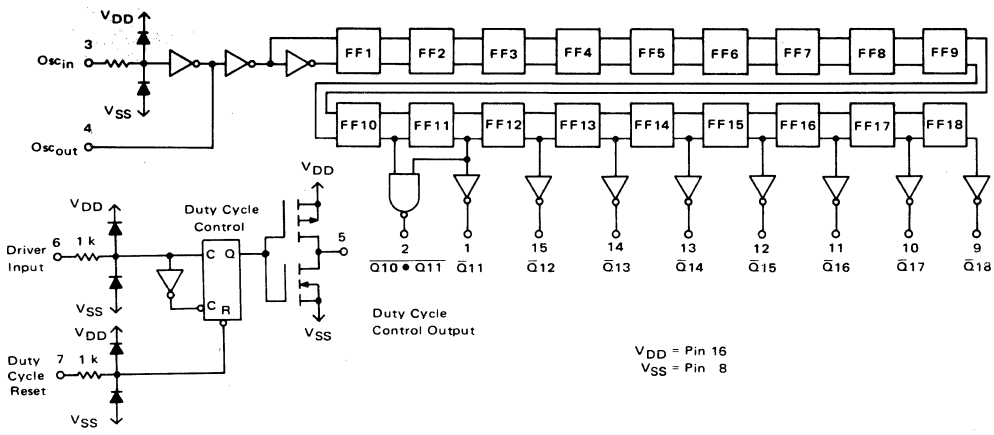
K16-43



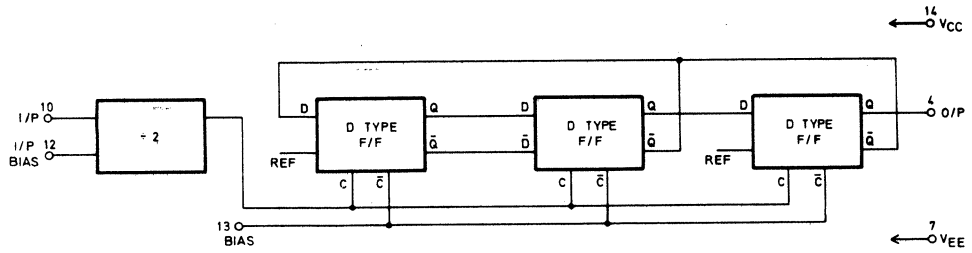
K16-44



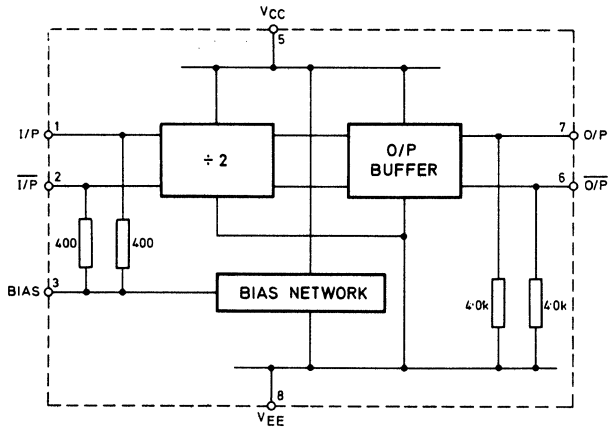
K16-45



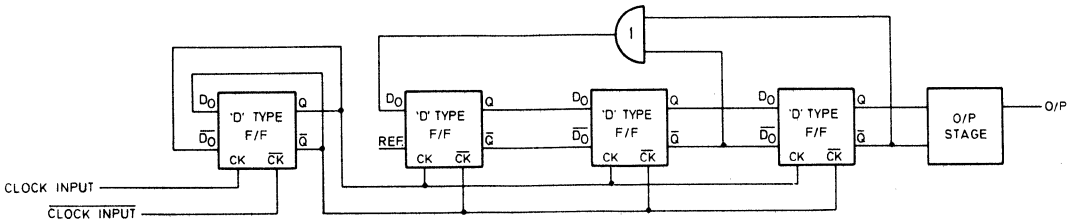
K16-46

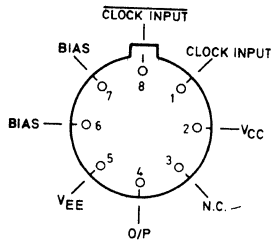


K16-47

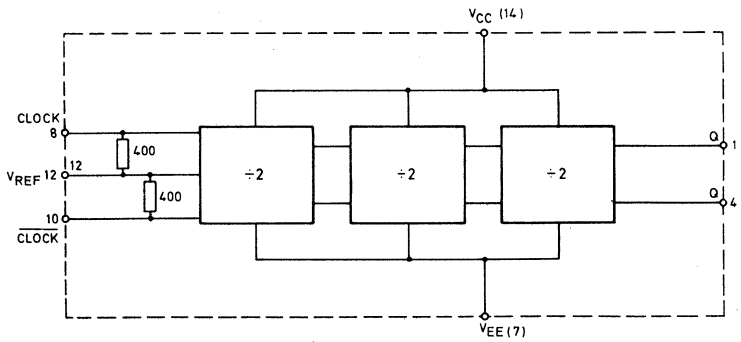


K16-48

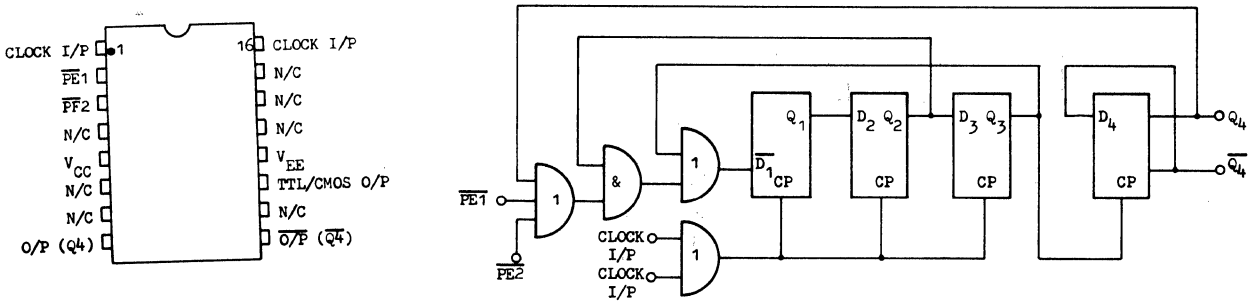




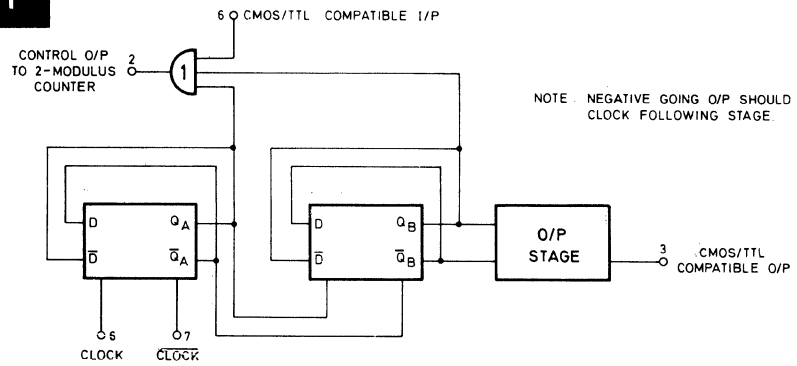
K16-49



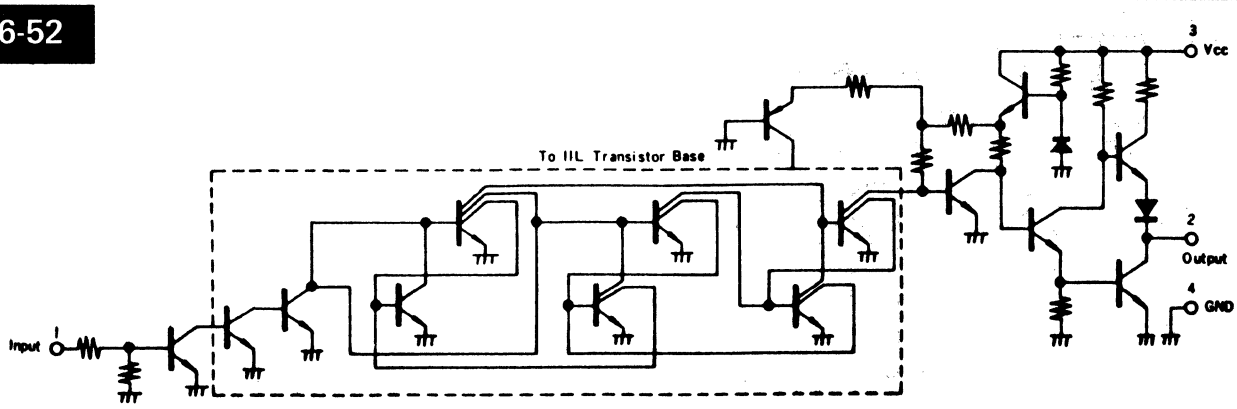
K16-50



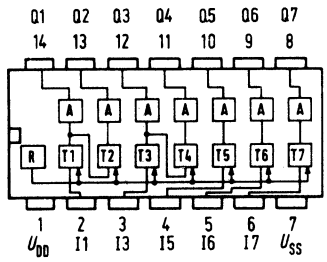
K16-51



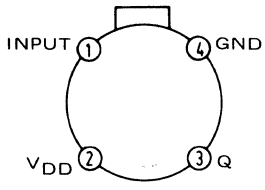
K16-52



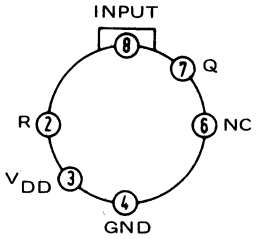
K16-53



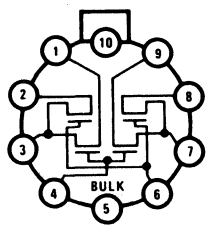
K16-54



K16-55

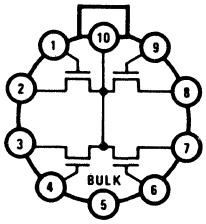


K17-2



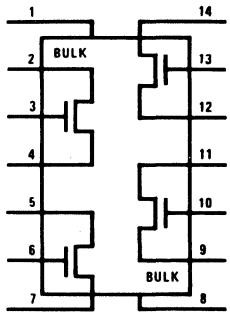
NOTE: Pin 5 connected to case and device bulk.

K17-3



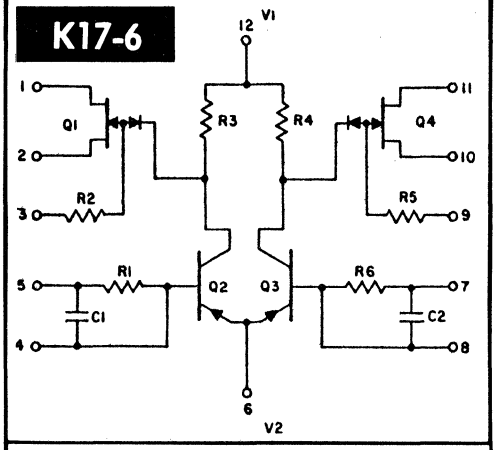
NOTE: Pin 5 connected to case and device bulk.

K17-4

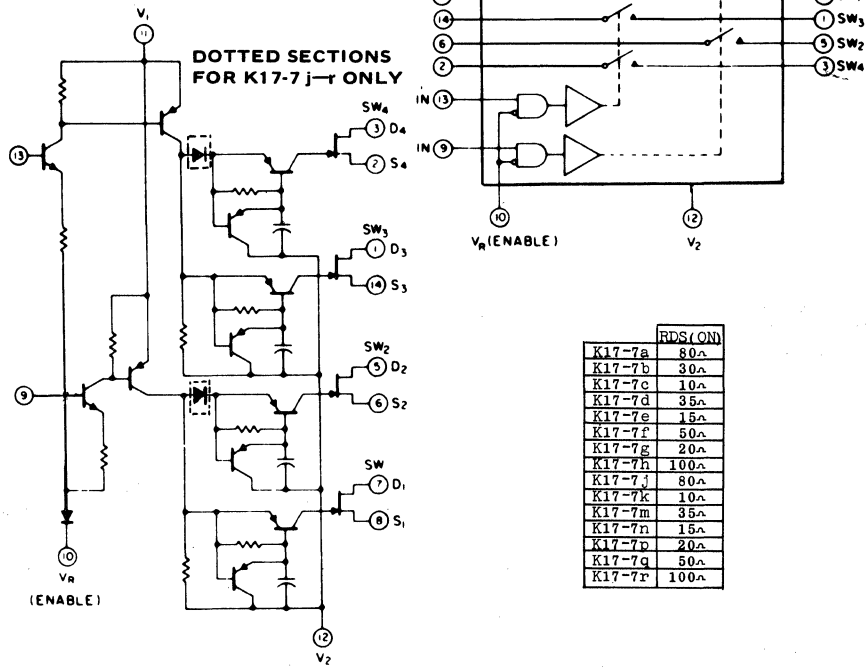


NOTE: Pins 1 and 8 connected to case and device bulk.

K17-6

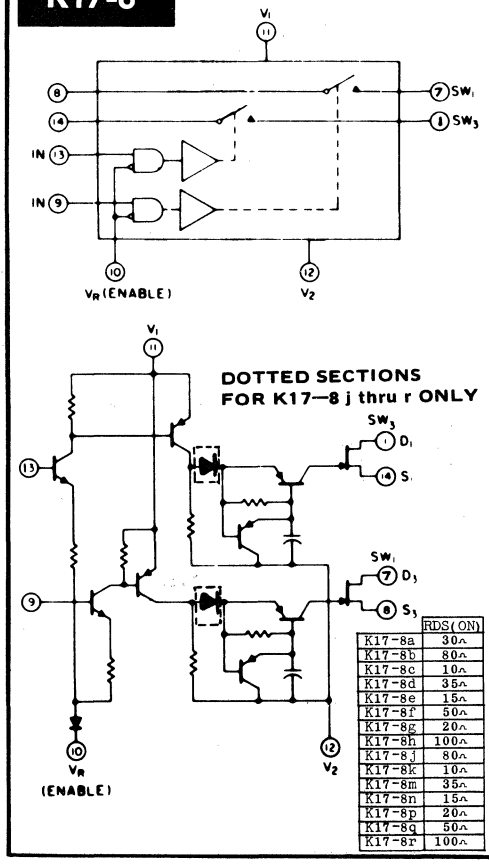


K17-7



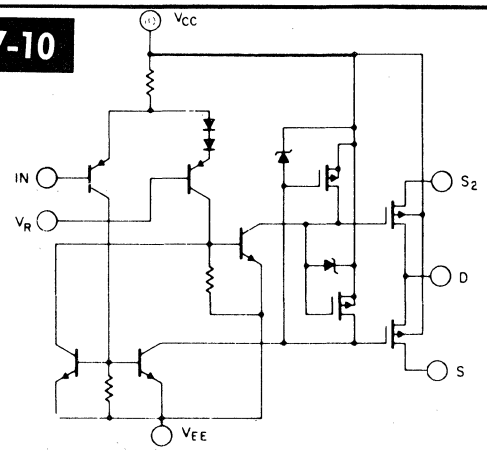
	RDS(ON)
K17-7a	80Ω
K17-7b	30Ω
K17-7c	10Ω
K17-7d	35Ω
K17-7e	15Ω
K17-7f	50Ω
K17-7g	20Ω
K17-7h	100Ω
K17-7j	80Ω
K17-7k	10Ω
K17-7m	35Ω
K17-7n	15Ω
K17-7p	20Ω
K17-7q	50Ω
K17-7r	100Ω

K17-8



	RDS(ON)
K17-8a	30Ω
K17-8b	80Ω
K17-8c	10Ω
K17-8d	35Ω
K17-8e	15Ω
K17-8f	50Ω
K17-8g	20Ω
K17-8h	100Ω
K17-8j	80Ω
K17-8k	10Ω
K17-8m	35Ω
K17-8n	15Ω
K17-8p	20Ω
K17-8q	50Ω
K17-8r	100Ω

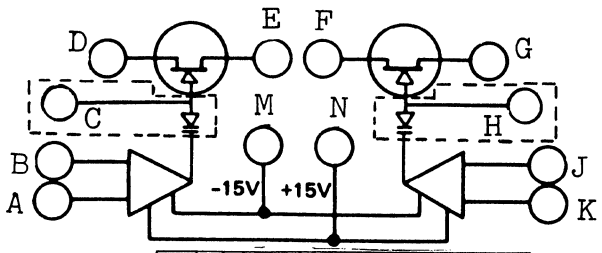
K17-10



	IN	S1	S2	D	VR	VCC	VEE
K17-10	2	6	8	7	1	10	5
K17-10a	4	7	9	8	5	10	6
K17-10b	13	5	10	9	2	12	3

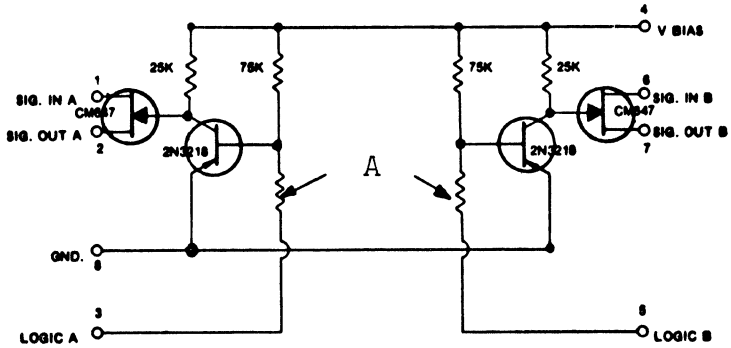
K17-14

NOTE: DOTTED PORTIONS OMITTED ON A AND B



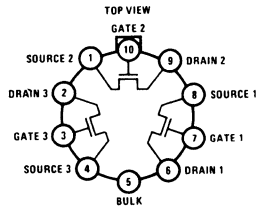
	PKG	A	B	C	D	E	F	G	H	J	K	M	N
K17-14	TO	3	4		2	1	9	8		6	7	5	10
	FP	2	3	14	13	12	10	9	8	5	6	5	10
K17-14a		3	4		2	1	9	8		6	7	10	5
K17-14b	TO	5	6		3	4	11	12		9	10	14	7

K17-15

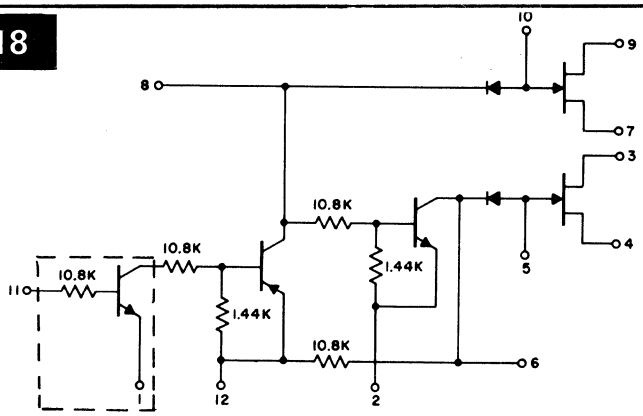


	A
K17-15	18.75K
K17-15a	12.0K

K17-16

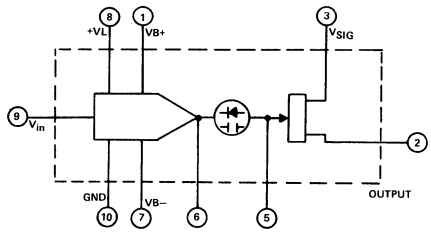


K17-18

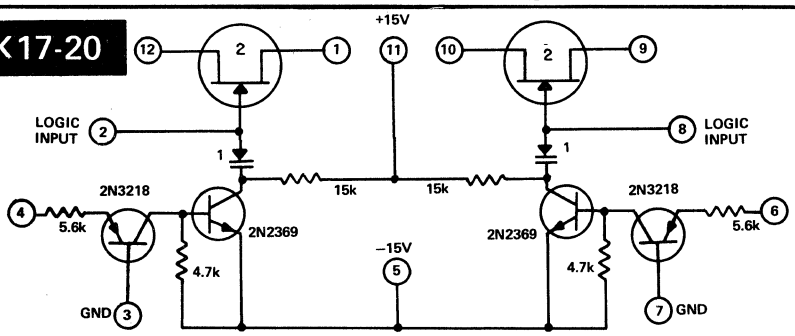


OMIT FOR K17-18a TYPES

K17-19

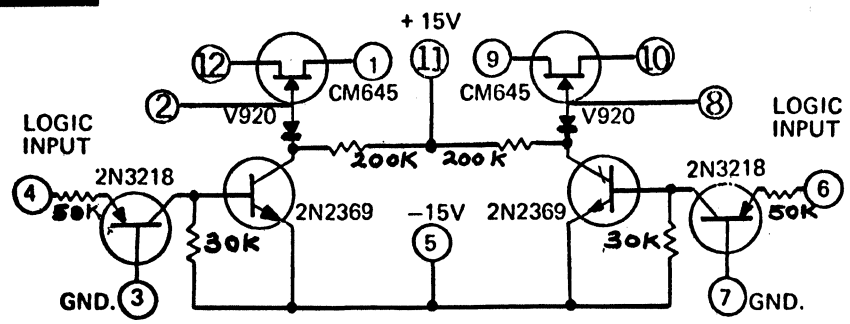


K17-20

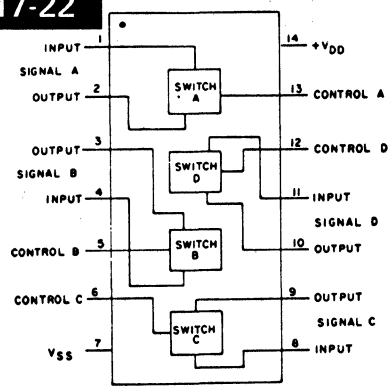


	1	2
K17-20	V947	2N4445
K17-20a	V920	CM645

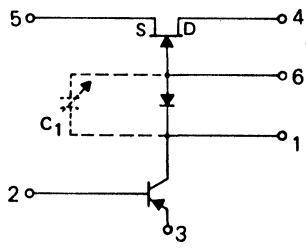
K17-21



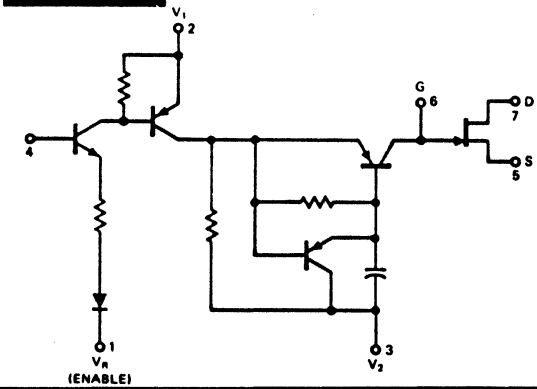
K17-22

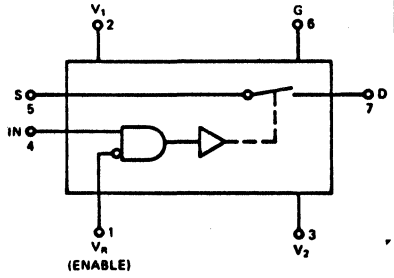


K17-23



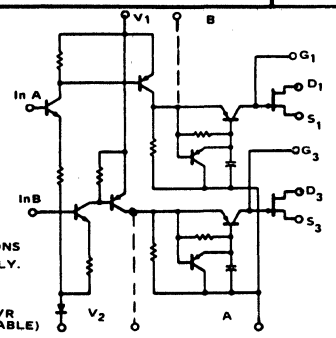
K17-24





	$R_{DS(ON)}$
K17-24	30Ω
K17-24a	50Ω

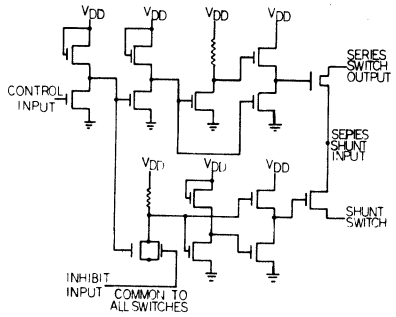
K17-27



NOTE: DOTTED SECTIONS FOR K17-27b, c, & d ONLY.

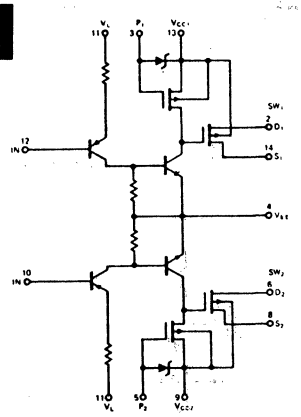
	InA	InB	VR	A	V2	S3	D3	G3	S1	D1	G1	B	V1	RDS(ON)
K17-27	13	9	10		12	8	7	5	14	1	3		11	30Ω
K17-27a	13	9	10		12	8	7	5	14	1	3		11	50Ω
K17-27b	13	9	10	7	12	5	6	8	2	3	14	1	11	10Ω
K17-27c	13	9	10	7	12	5	6	8	2	3	14	1	11	30Ω
K17-27d	13	9	10	7	12	5	6	8	2	3	14	1	11	80Ω

K17-28

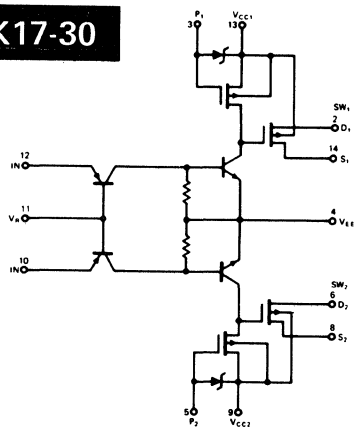


	CKT	CONTROL	INPUT	OUTPUT	SWITCH RETURN	INHIBIT	VDD	GND	SUB.
K17-28	1	13	17	16	22	10	12	11	1
	2	9	7	8	2				
	3	3	5	4	6				
	4	21	19	20	18				

K17-29



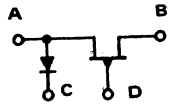
K17-30



SECTION 12. LOGIC DRAWING

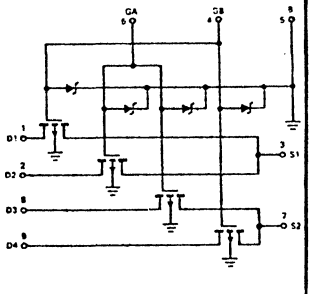
IN DRAWING NUMBER SEQUENCE

K17-36

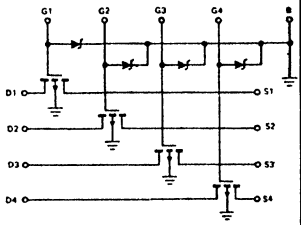


	CKT	A	B	C	D
K17-36	1	3	1	4	2
	2	6	8	5	7
	3	11	9	12	10
	4	14	16	13	15
K17-36a	1	3	1	4	2
	2	6	8	5	7
	3	11	9	12	10
K17-36b	1	3	1	4	2
	2	6	8	5	7
K17-36c	1	3	1	4	2

K17-37

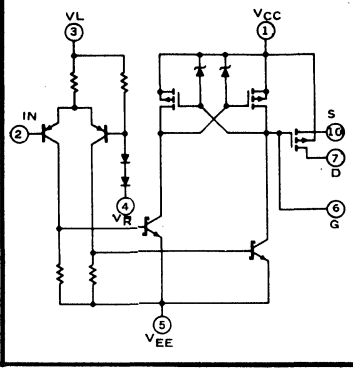


K17-38

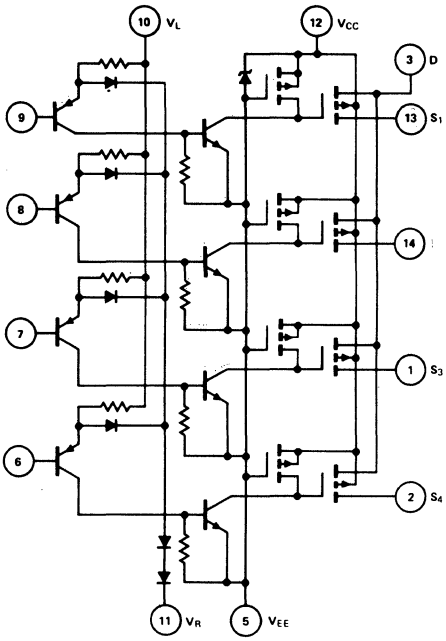


	CKT	D	G	S	B
K17-38	1	2	3	4	1,8
	2	5	6	7	
	3	9	10	11	
	4	12	13	14	
K17-38a	1	6	7	8	5
	2	9	10	1	
	3	3	3	4	

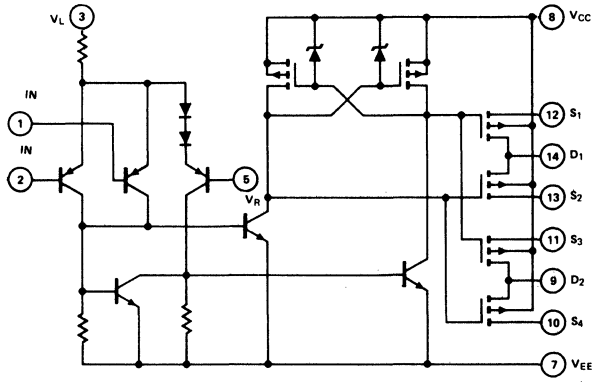
K17-39



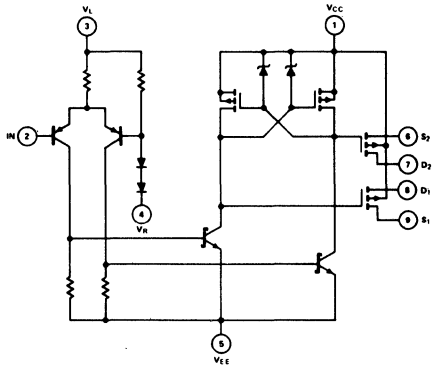
K17-40



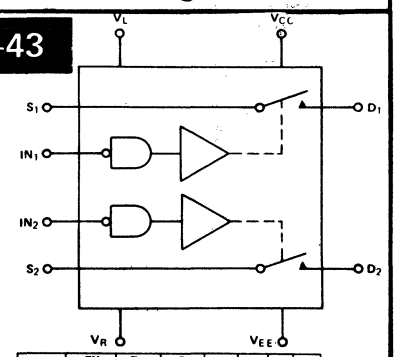
K17-41



K17-42

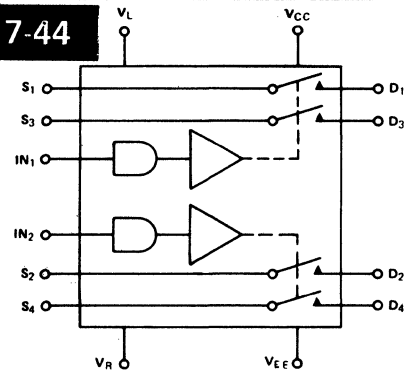


K17-43



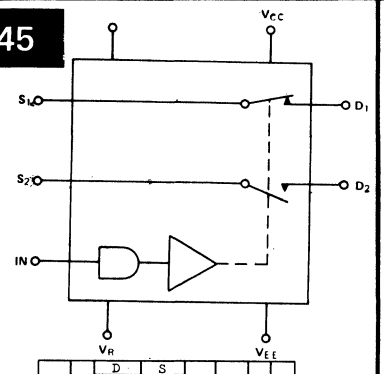
	PKG	IN 1	IN 2	D 1	D 2	S 1	S 2	VCC	VEE	VL	VR
K17-43	FP, CN	3	8	2	9	1	10	4	7	5	6
K17-43a	FP	13	8	1	7	14	6	9	12	10	11
K17-43b	FP	13	8	3	5	2	4	9	12	10	11
K17-43c	M	15	10	3	6	4	5	11	14	12	13
K17-43d	M	15	10	1	8	16	9	11	14	12	13

K17-44



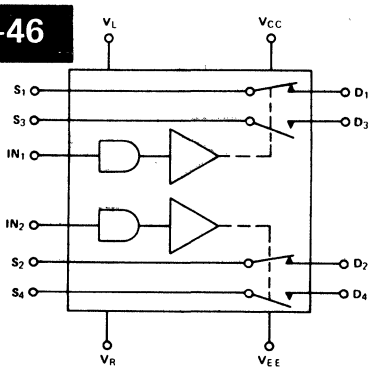
	PKG	IN 1	IN 2	D 1	D 2	D 3	D 4	S 1	S 2	S 3	S 4	VCC	VEE	VL	VR
K17-44	FP, M	15	10	1	8	3	6	16	9	4	5	11	14	12	13
K17-44a	FP	13	8	1	6	3	4	14	7	2	5	9	12	10	11

K17-45



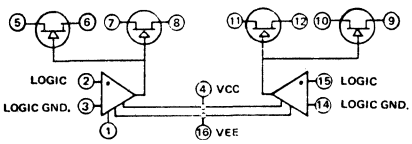
	PKG	IN	D 1	D 2	S 1	S 2	VCC	VEE	VL	VR
K17-45	FP	3	1	10	2	9	4	7	5	6
K17-45a	FP	13	14	3	1	2	9	12	10	11
K17-45b	M	15	1	3	16	4	11	14	12	13
K17-45c	CN	3	2	9	1	10	4	7	5	6

K17-46

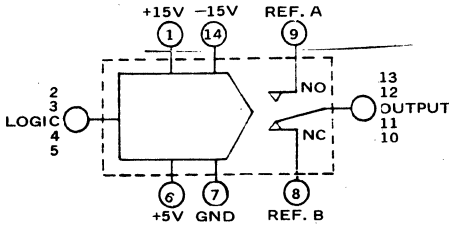


	PKG	IN 1	IN 2	D 1	D 2	D 3	D 4	S 1	S 2	S 3	S 4	VCC	VEE	VL	VR
K17-46	FP, M	15	10	1	8	3	6	16	9	4	5	11	14	12	13
K17-46a	FP	13	8	1	7	3	4	14	6	2	5	9	12	10	11

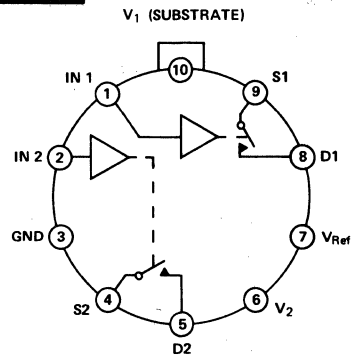
K17-50



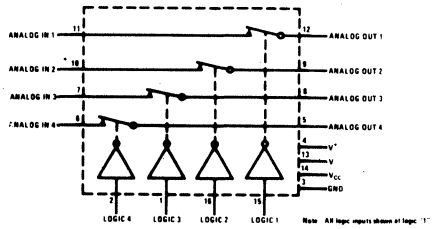
K17-51



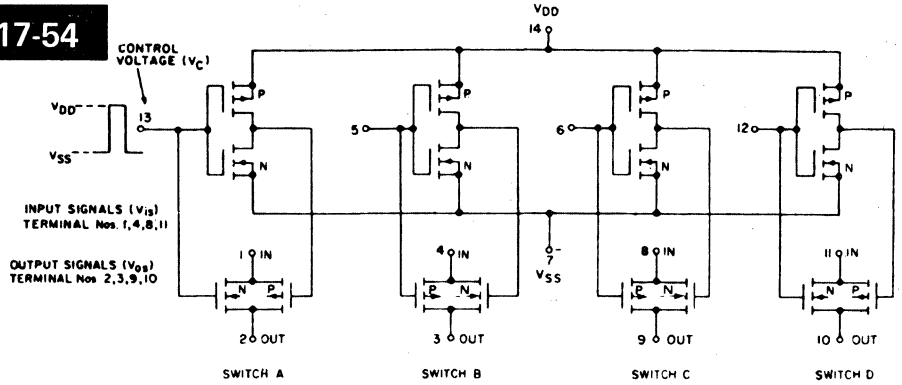
K17-52



K17-53

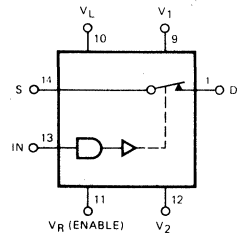


K17-54



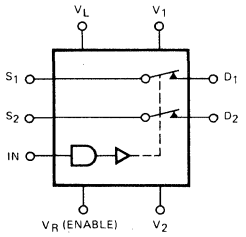
NOTE: All switch P channel substrates are internally connected to terminal No. 14.
All switch N channel substrates are internally connected to terminal No. 7.

K17-55



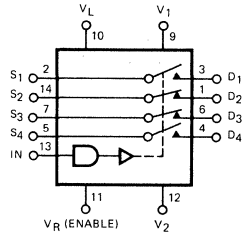
	PKG	IN	D	S	V 1	V 2	VL	VR
K17-55	FP	13	1	14	9	12	10	11
K17-55a	M	15	1	16	11	14	12	13

K17-56



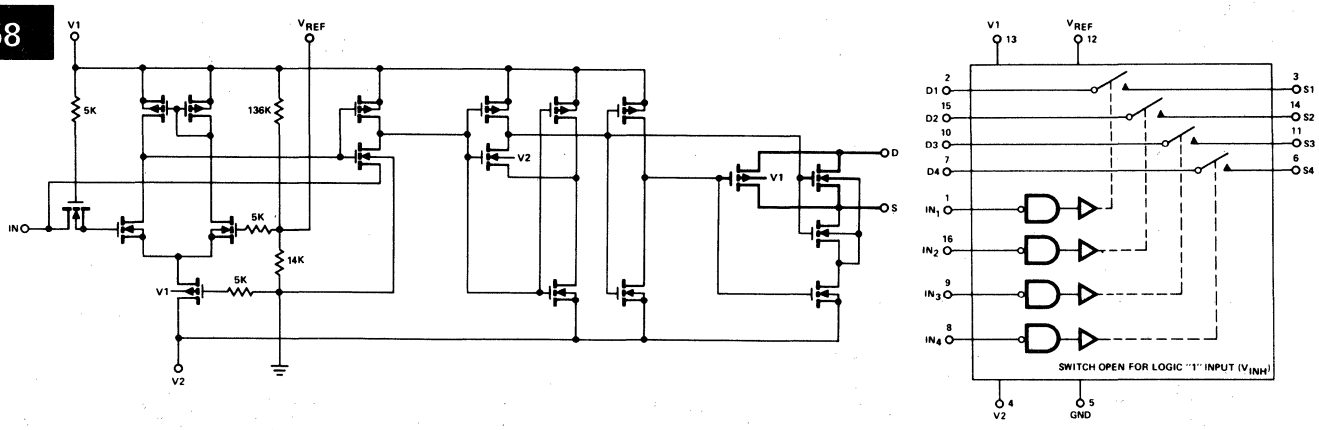
	PKG	IN	D 1	D 2	S 1	S 2	V 1	V 2	VL	VR
K17-56	FP	13	14	3	1	2	9	12	10	11
K17-56a	M	15	1	3	16	4	11	14	12	13
K17-56b	CN	3	2	9	1	10	4	7	5	6

K17-57

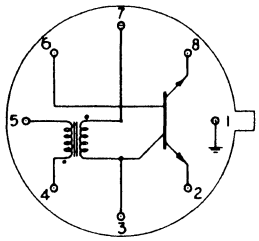


	PKG	IN	D 1	D 2	D 3	D 4	S 1	S 2	S 3	S 4	V 1	V 2	VL	VR
K17-57	FP	13	3	1	6	4	2	14	7	5	9	12	10	11
K17-57a	M	15	3	1	8	6	4	16	9	5	11	14	12	13

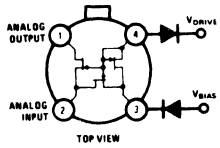
K17-58



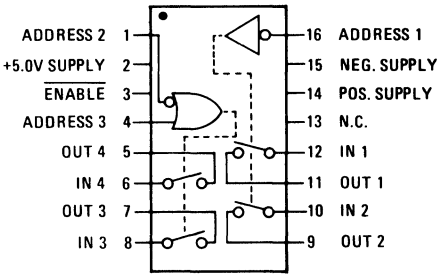
K17-59



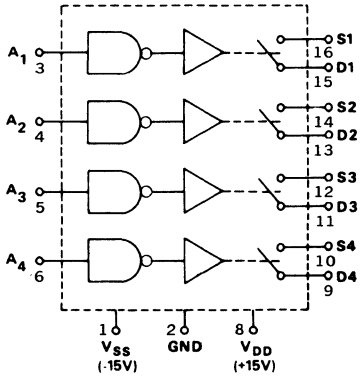
K17-60



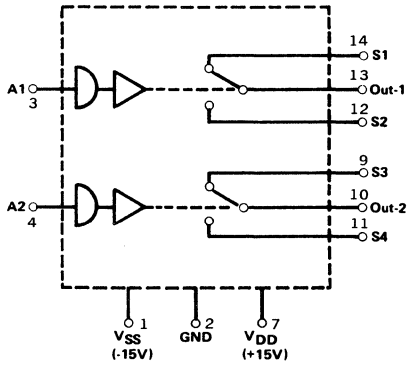
K17-61



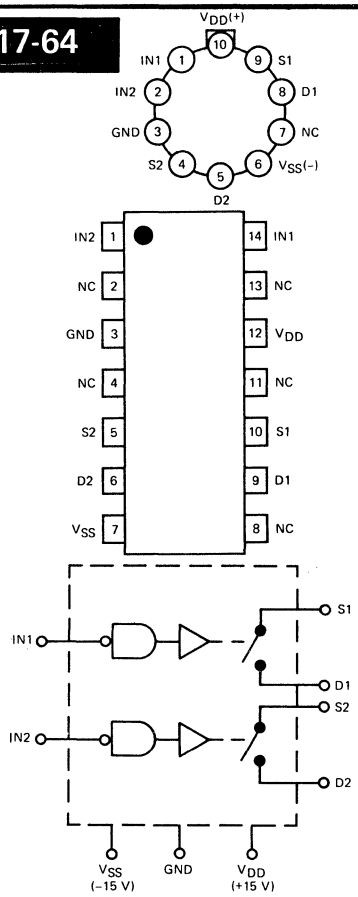
K17-62



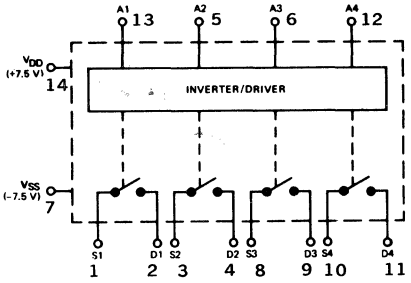
K17-63



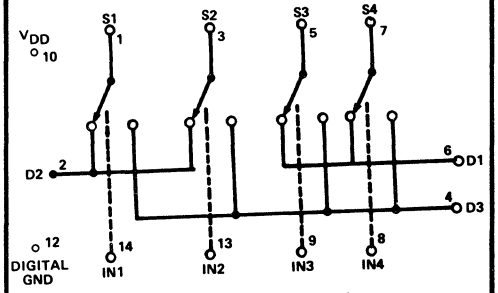
K17-64



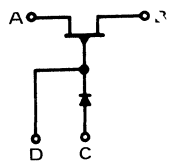
K17-65



K17-66

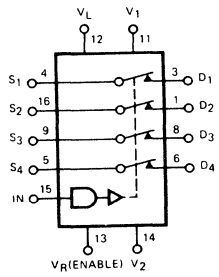


K17-67

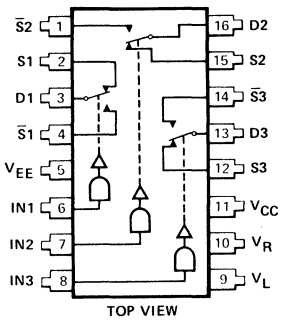


	CKT	A	B	C	D
K17-67	1	1	3	4	2
	2	8	6	5	7
	3	9	11	12	10
	4	16	14	13	15
K17-67a	1	1	3	4	2
	2	8	6	5	7
	3	9	11	12	10
K17-67b	1	1	3	4	2
	2	8	6	5	7
K17-67c	1	2	4	1	3

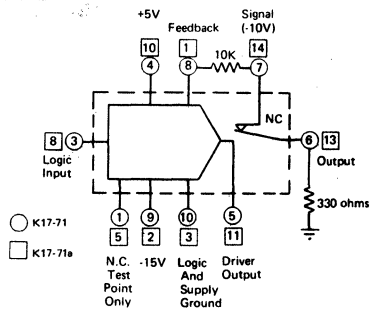
K17-69



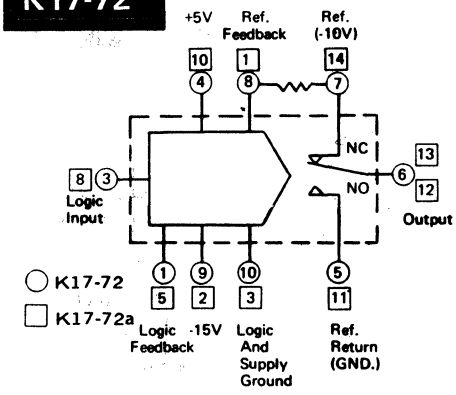
K17-70



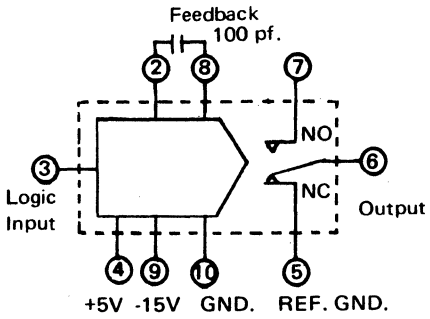
K17-71



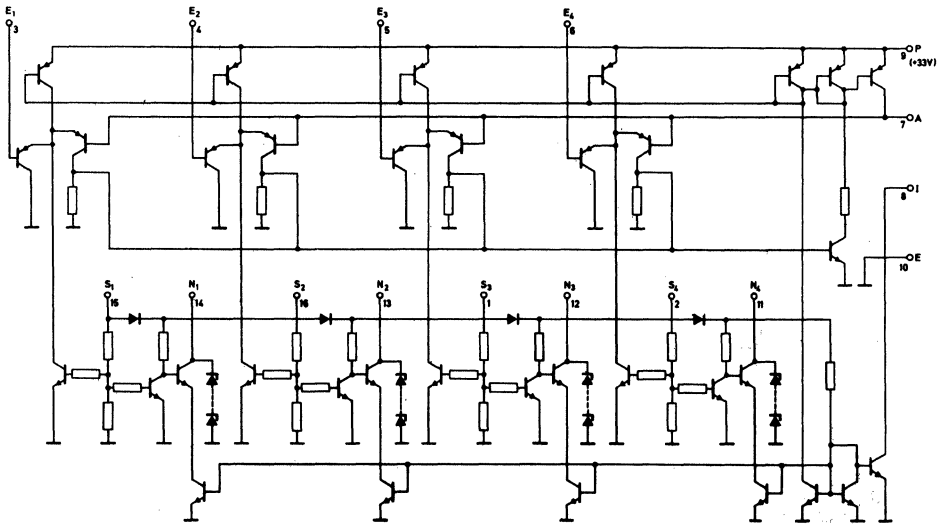
K17-72



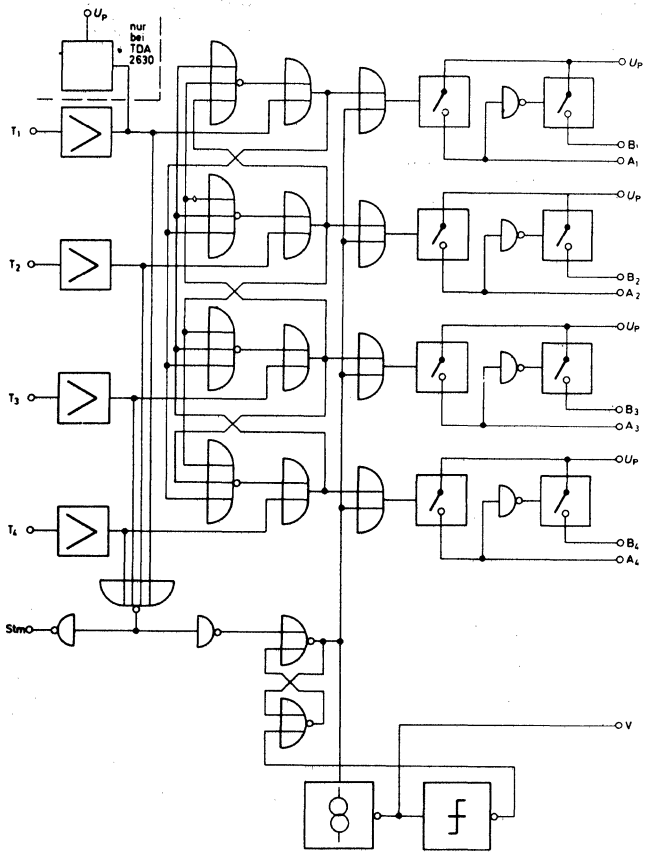
K17-73



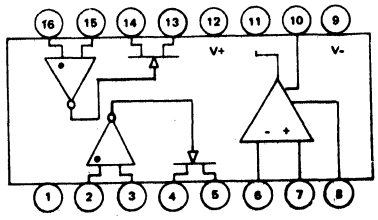
K17-74



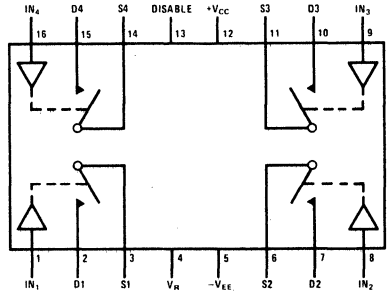
K17-75



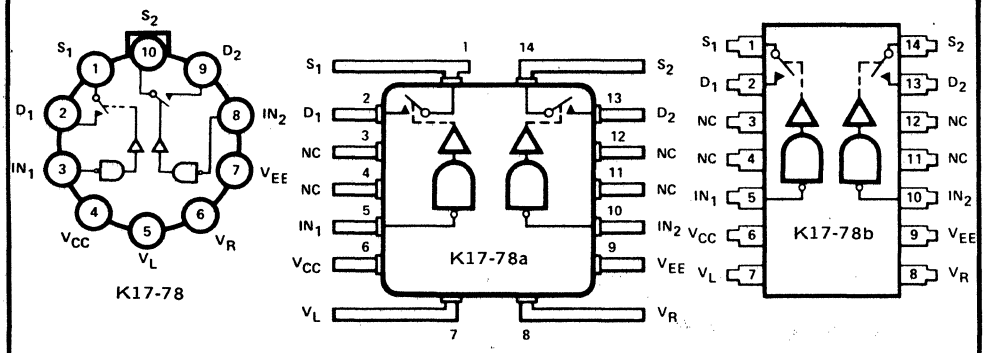
K17-76

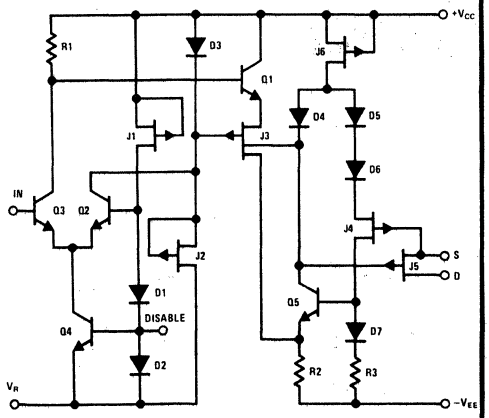


K17-77

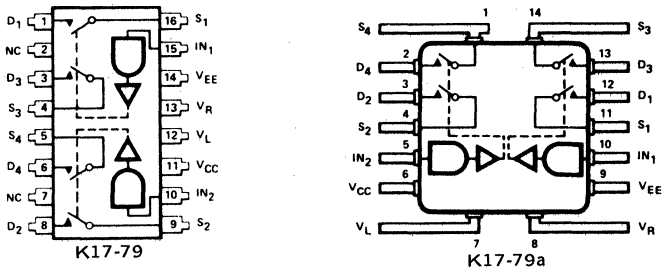


K17-78

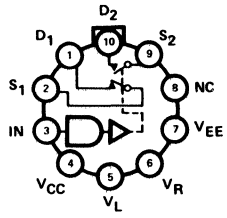




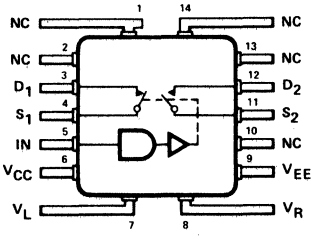
K17-79



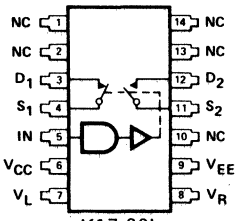
K17-80



K17-80

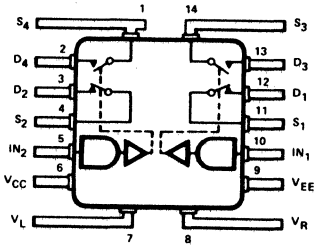


K17-80a

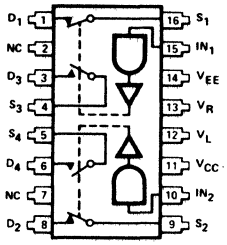


K17-80b

K17-81

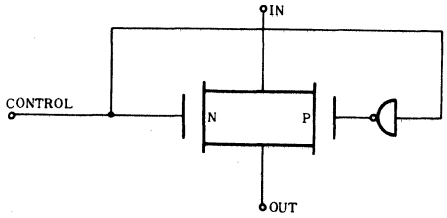


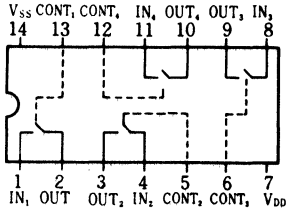
K17-81



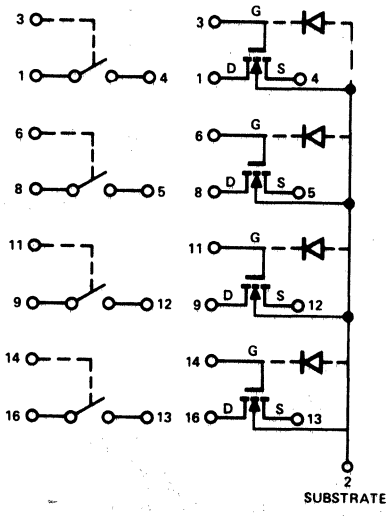
K17-81a

K17-82

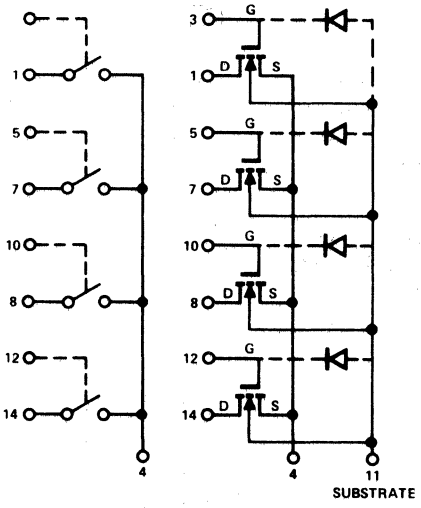




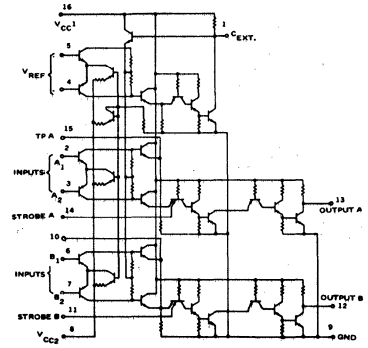
K17-83



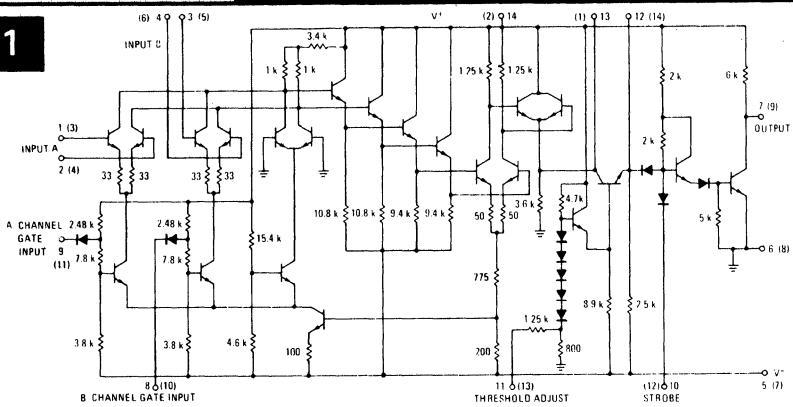
K17-84



K19-8

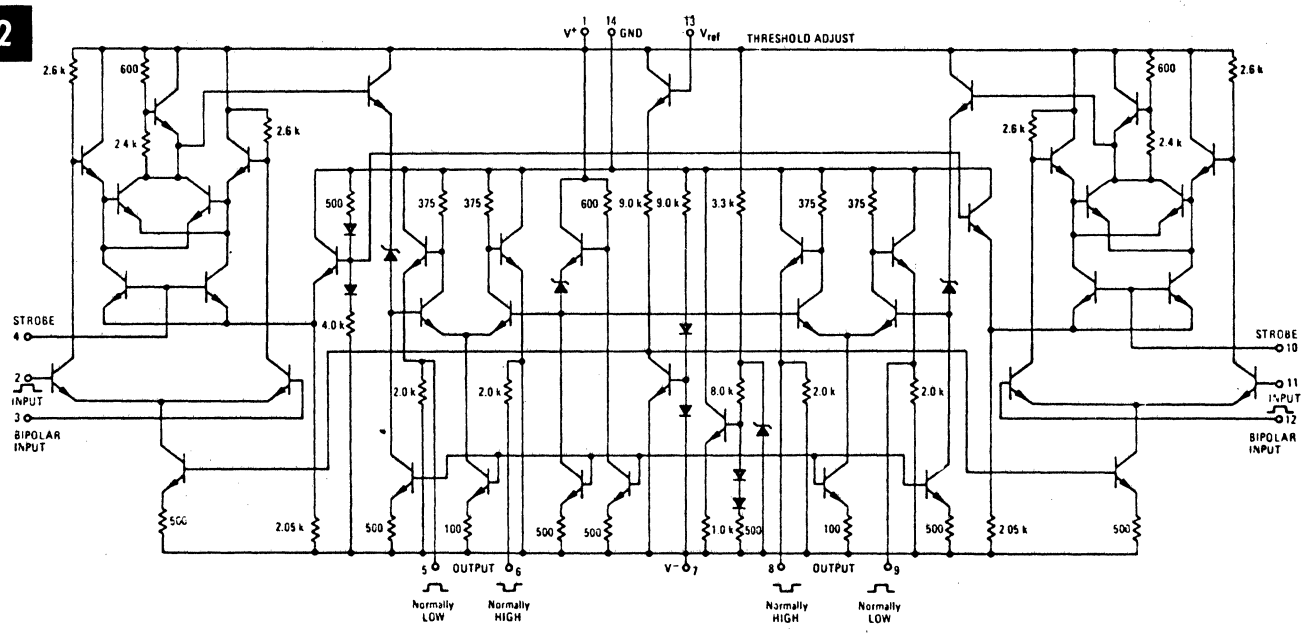


K19-11

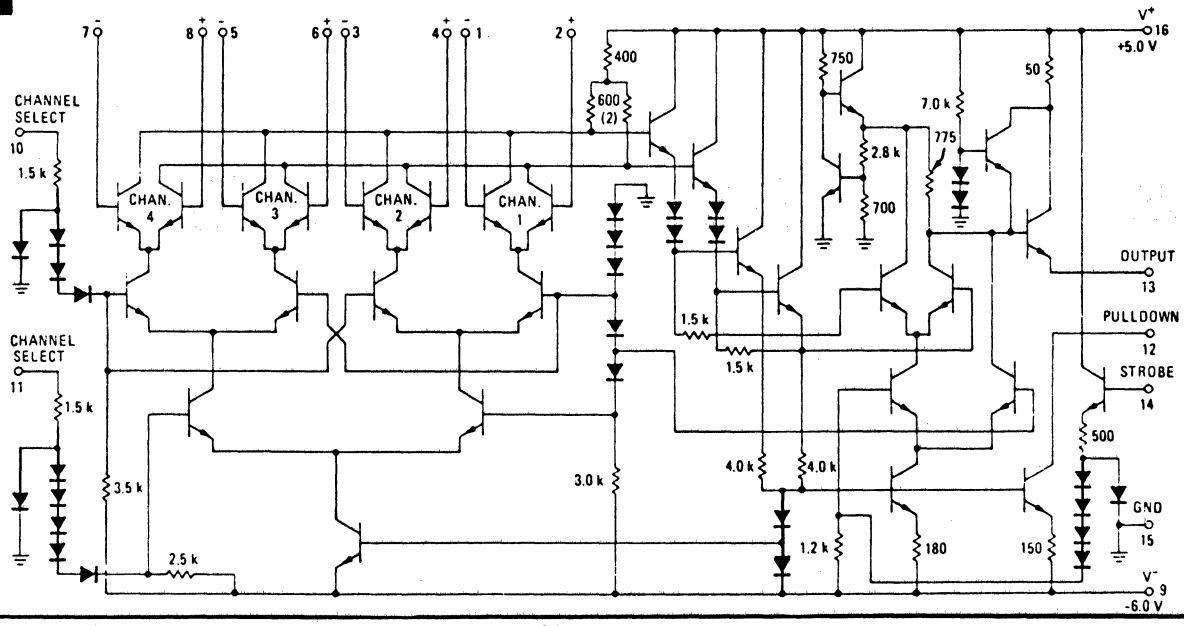


Number at terminal end denotes pin number for flat (F) package.
Number in parenthesis denotes pin number for dual in line ceramic (L) package.

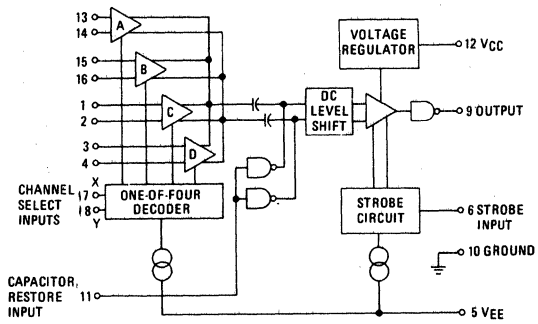
K19-12



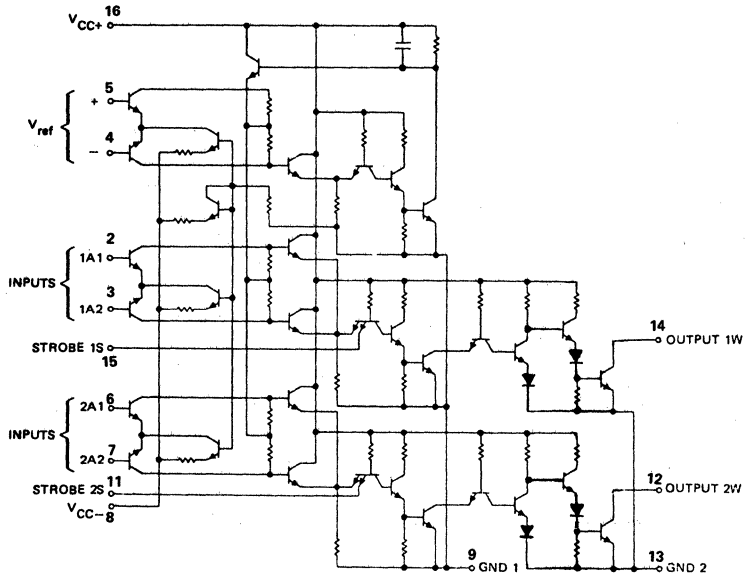
K19-13



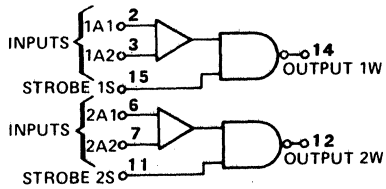
K19-25



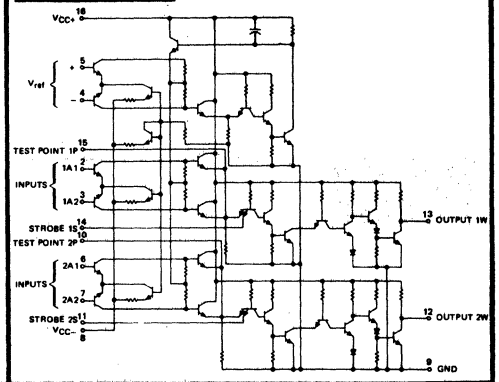
K19-26



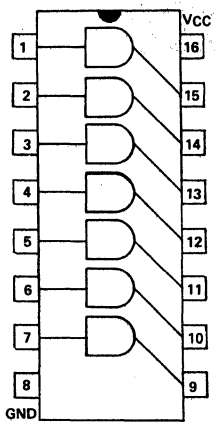
K19-27



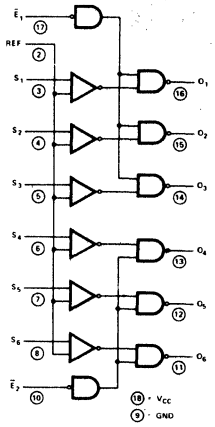
K19-28



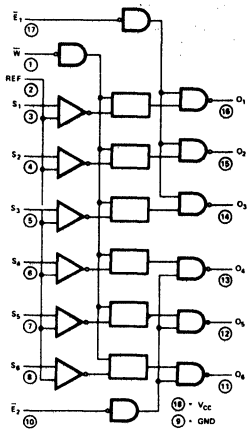
K19-29



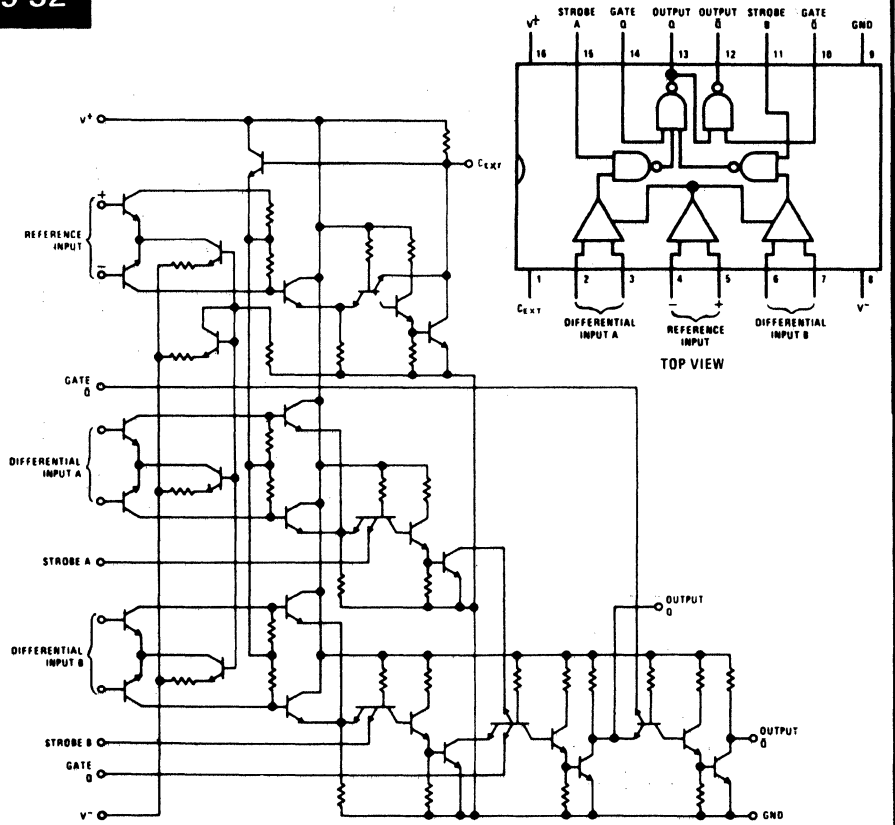
K19-30



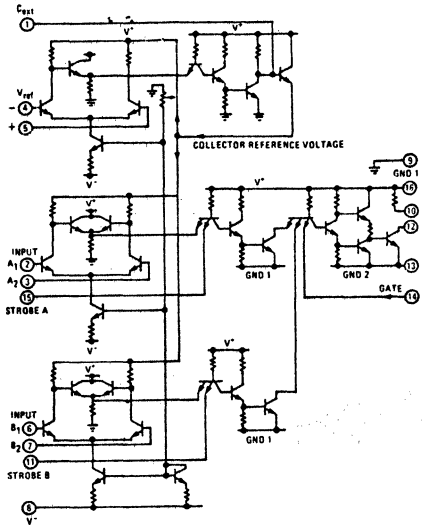
K19-31



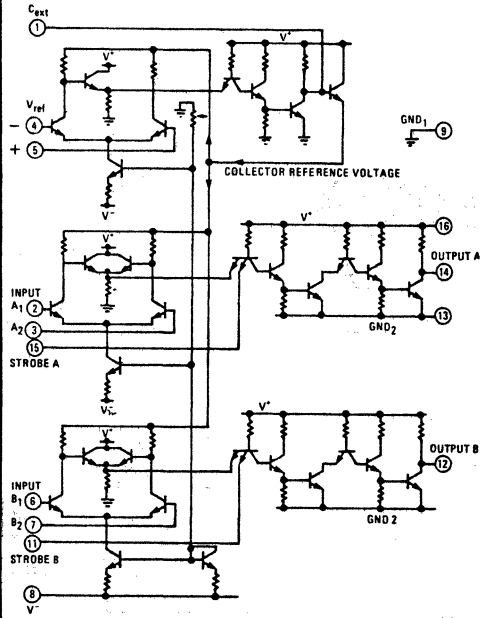
K19-32



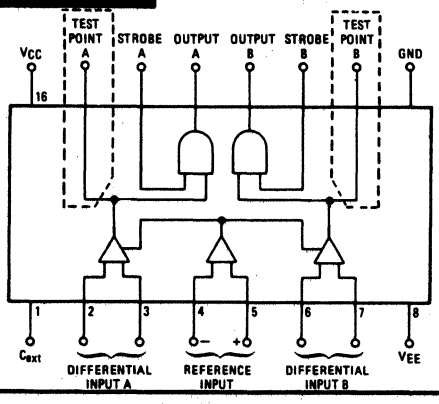
K19-33



K19-34



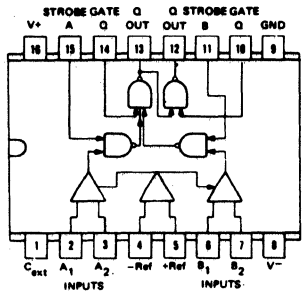
K19-35



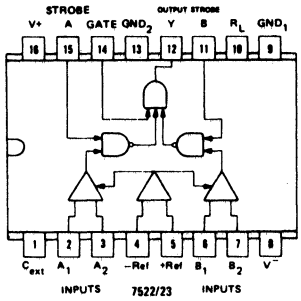
	TEST POINT		STROBE		OUT		
	A	B	A	B	A	B	GND
K1935	15	10	14	11	13	12	9
K1935a	NA	NA	15	11	14	12	9,13

K19-35a — DOTTED IN PORTION OMITTED
K19-35b — INVERTED VERSION OF K15-35
K19-35c — INVERTED VERSION OF K19-35a

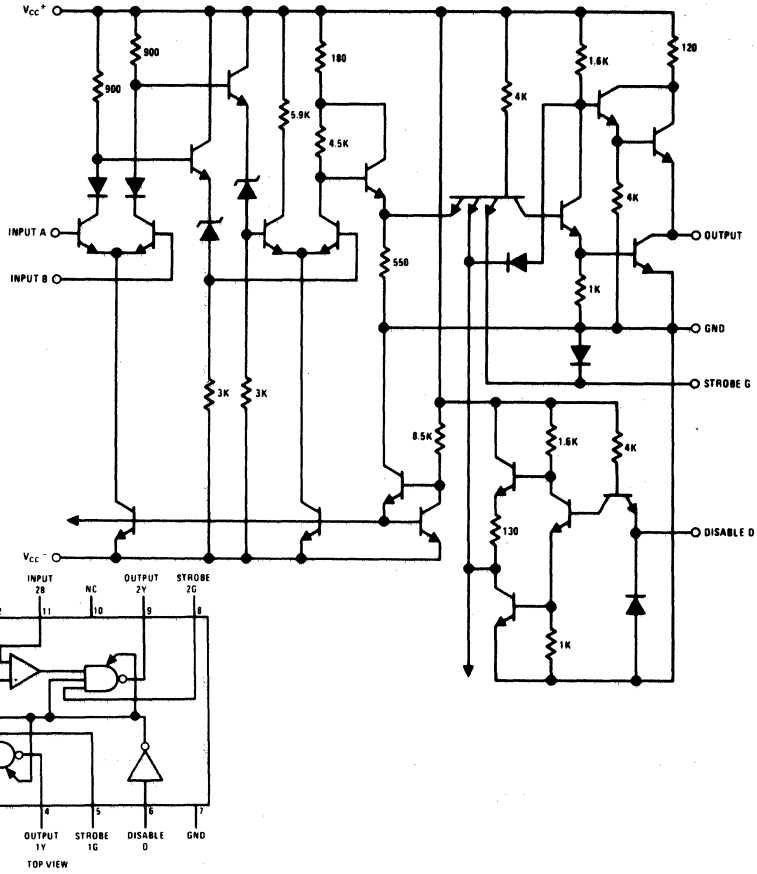
K19-37

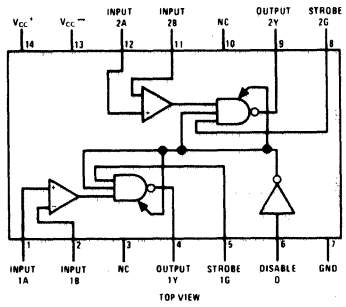


K19-38

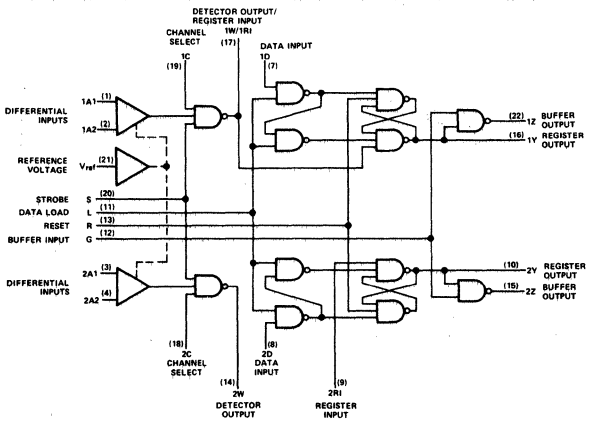


K19-39

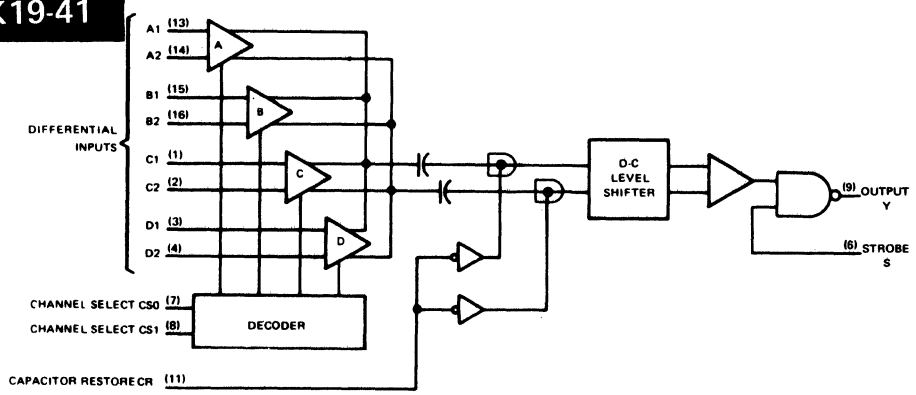




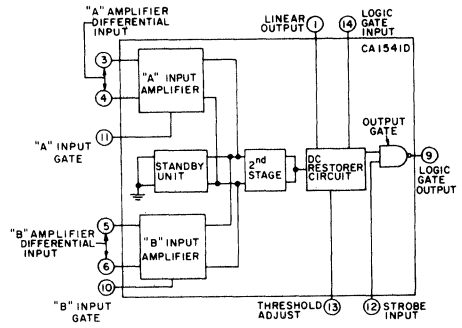
K19-40



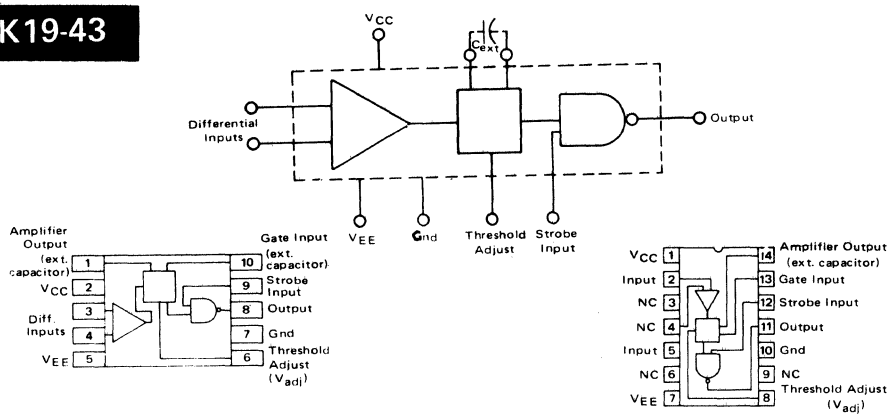
K19-41



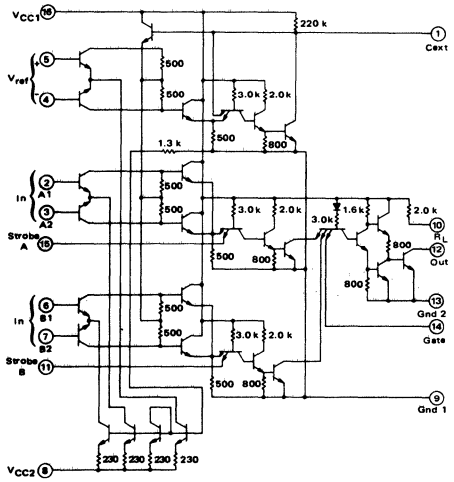
K19-42



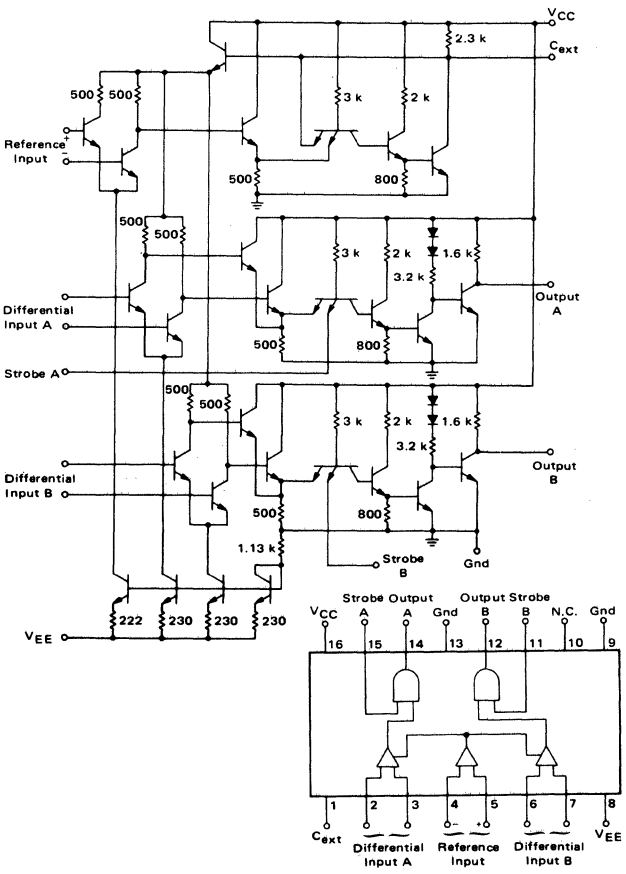
K19-43



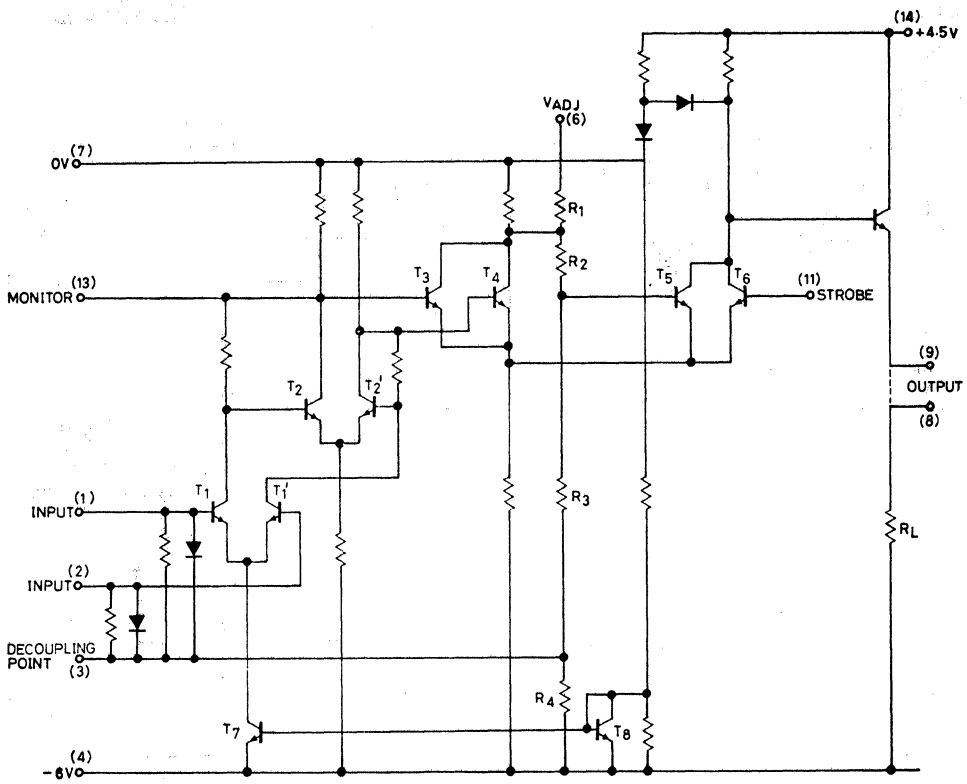
K19-44



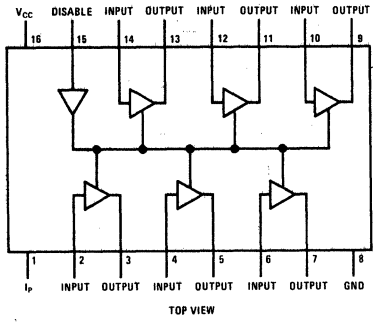
K19-45



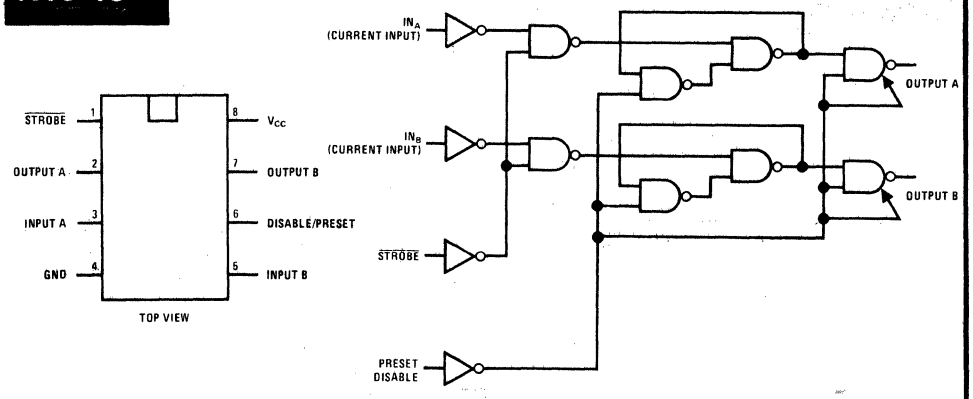
K19-46



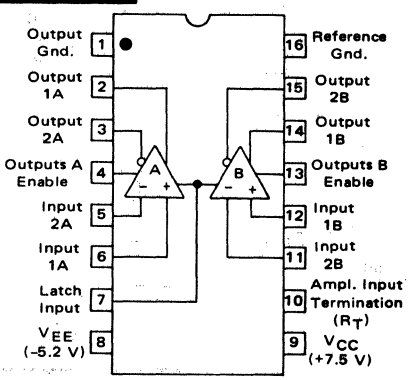
K19-47



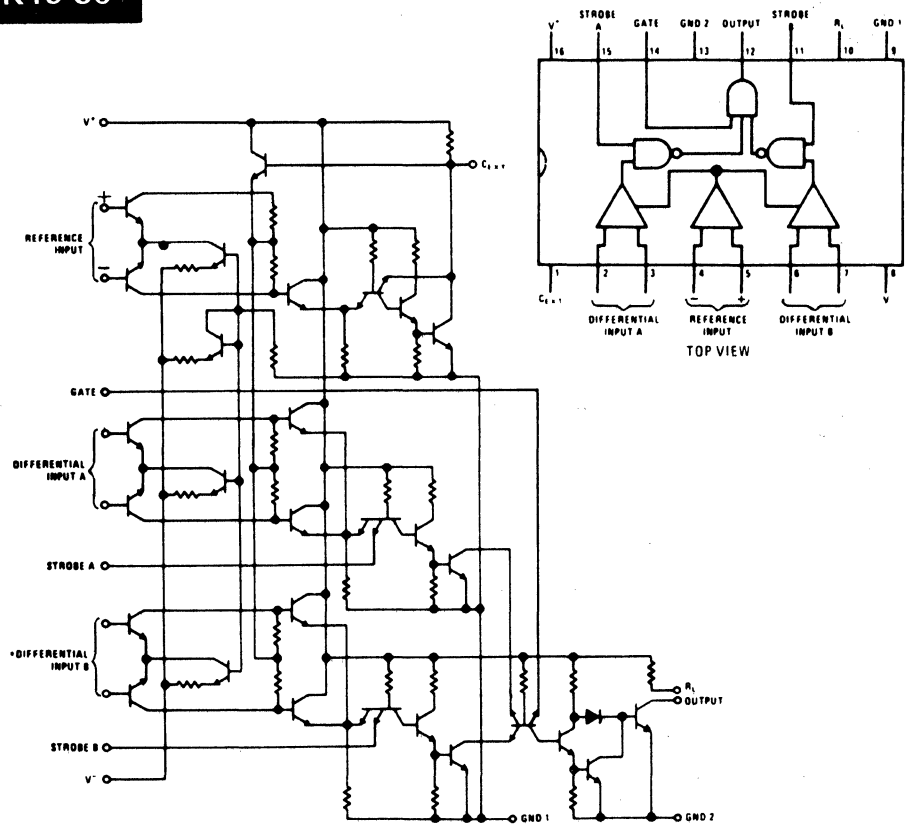
K19-48



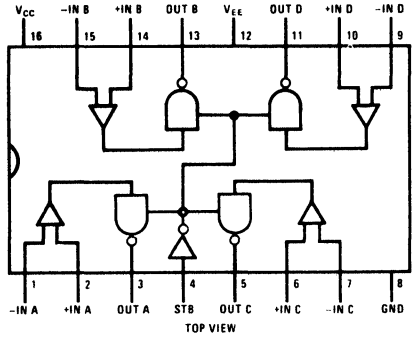
K19-49



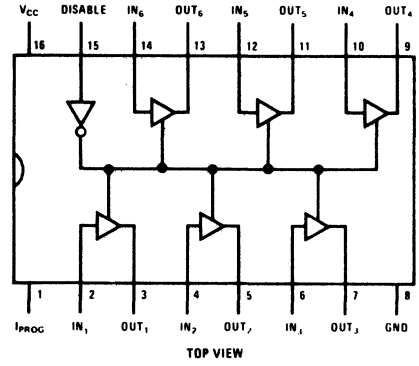
K19-50



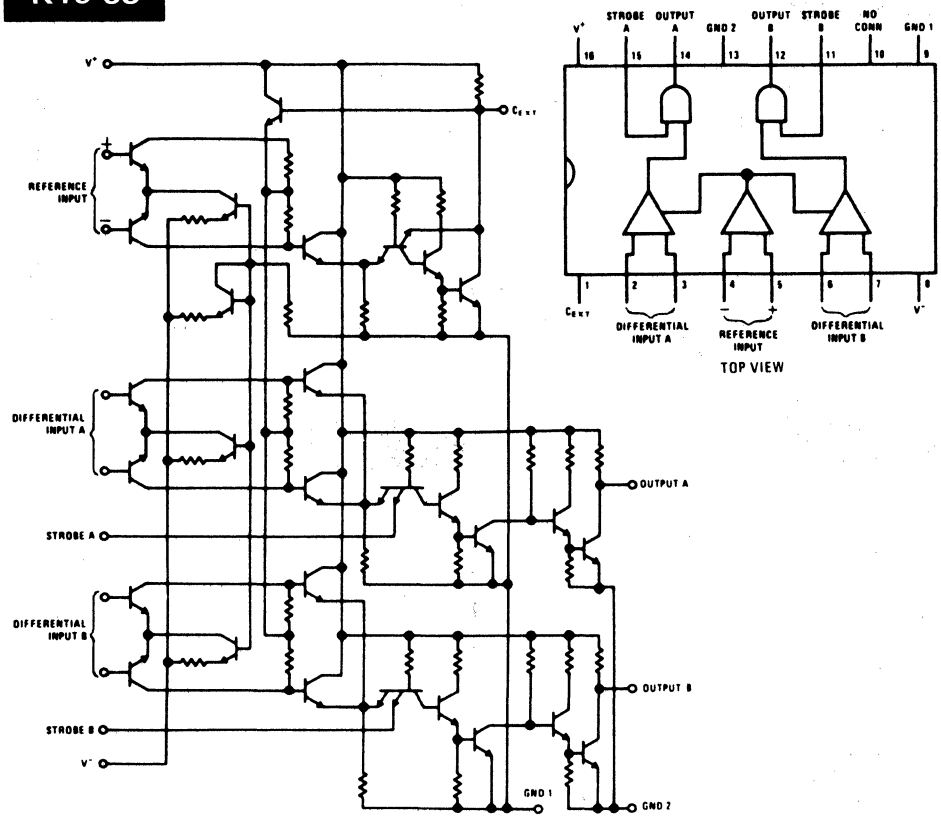
K19-51



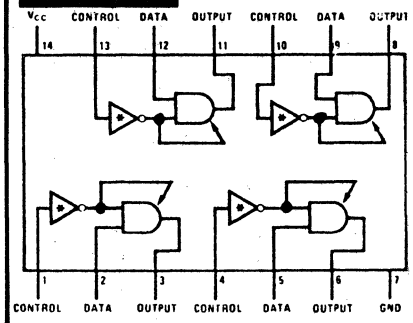
K19-52



K19-53

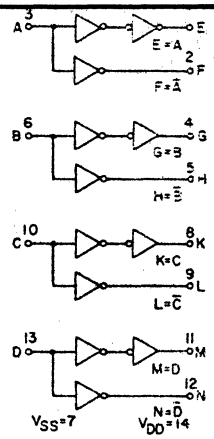


K20-2

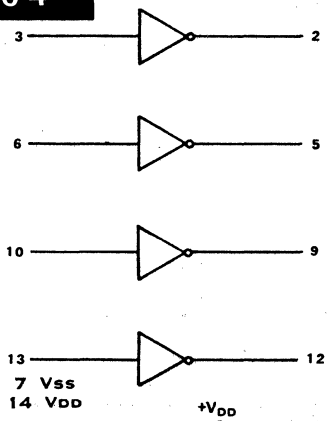


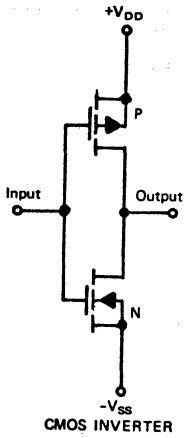
NOTE:
★ INVERTED ON K20-2a ONLY

K20-3



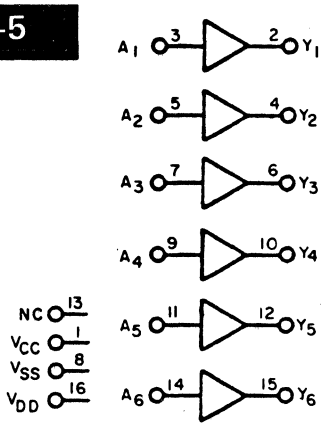
K20-4

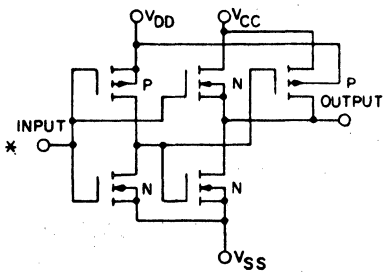




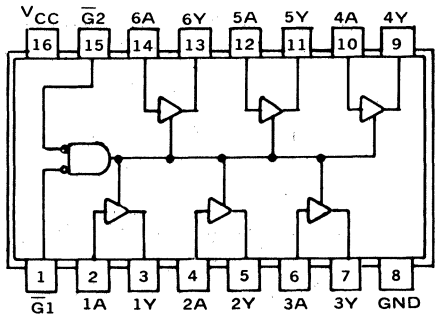
CMOS INVERTER

K20-5

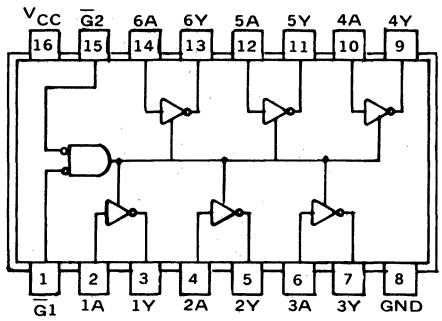




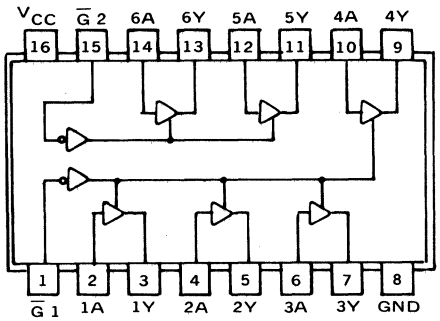
K20-6



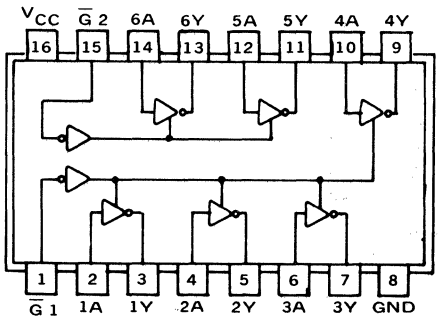
K20-7



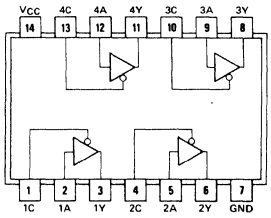
K20-8

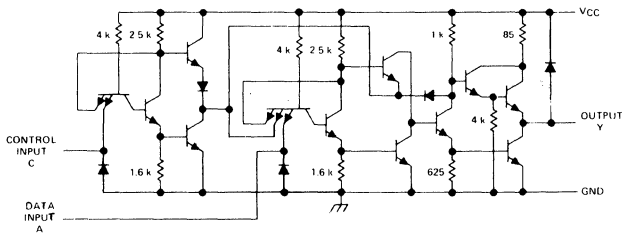


K20-9

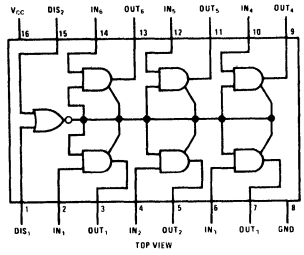


K20-10

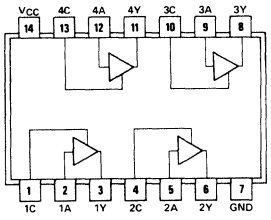


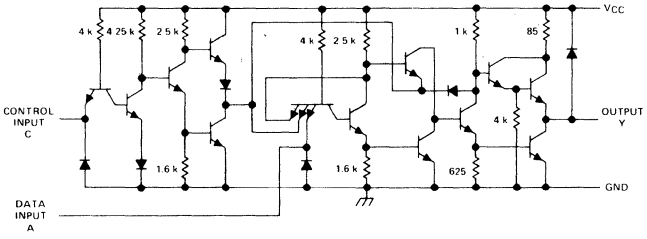


K20-12

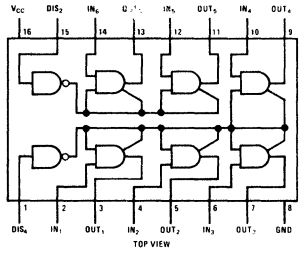


K20-11

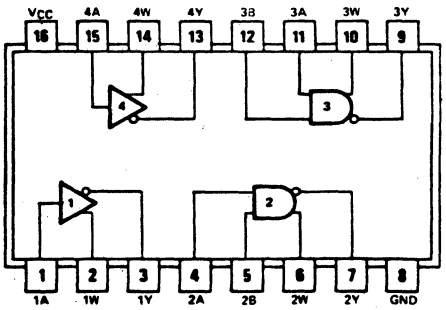




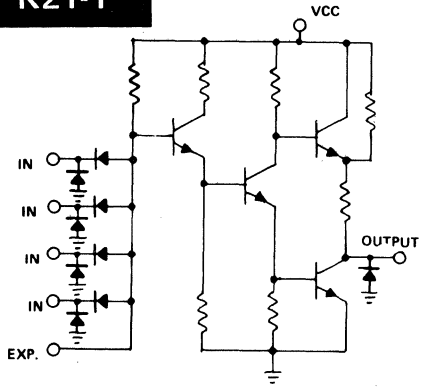
K20-13



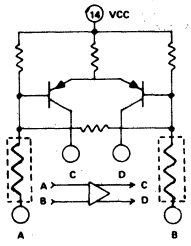
K20-14



K21-1

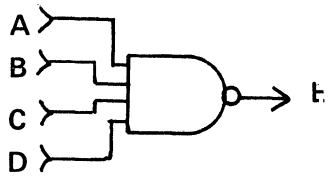


K21-2



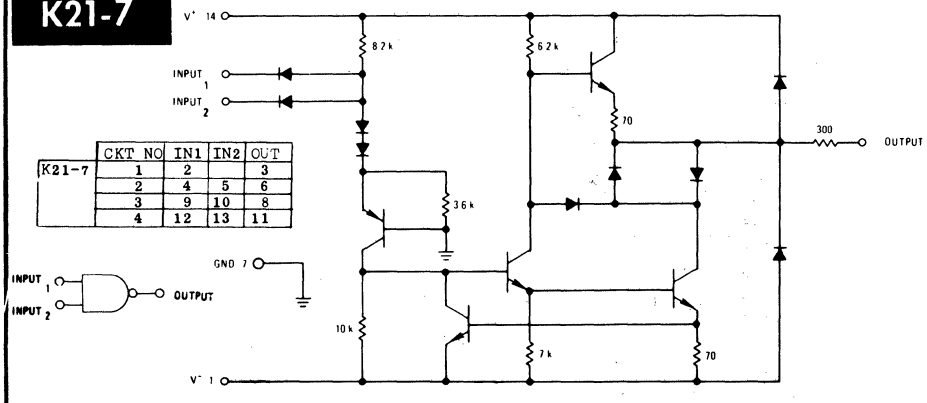
K21-2,a	CKT	A	B	C	D
	1	1	4	2	3
	2	5	9	6	8
	3	10	13	11	12

K21-3



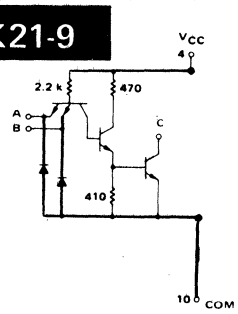
K21-3	CKT	A	B	C	D	E
	1	13	1	2	3	12
	2	5	6	7	9	11

K21-7



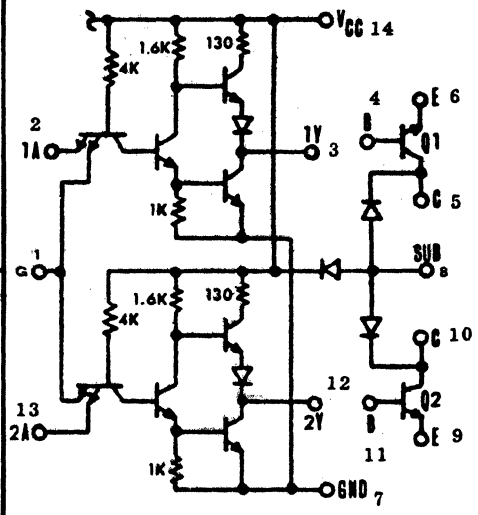
K21-7	CKT NO	IN1	IN2	OUT
	1	2		3
	2	4	5	6
	3	9	10	8
	4	12	13	11

K21-9



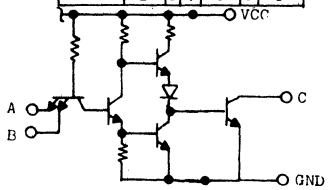
	CKT	A	B	C
K21-9	1	1	2	3
	2	5	6	7
	3	8	9	11
	4	12	13	14

K21-11

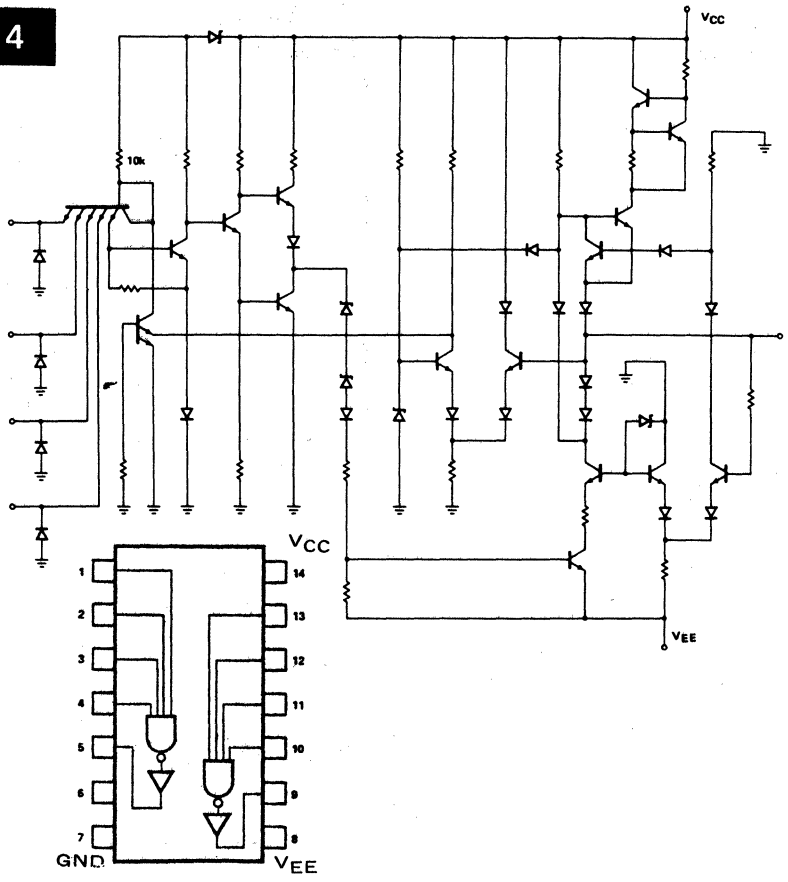


K21-12

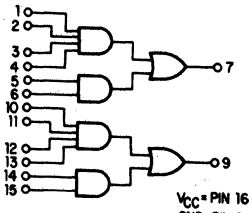
	CKT	A	B	VCC	C	GND
K21-12	1	1	2	8	3	4
	2	6	7	8	5	4



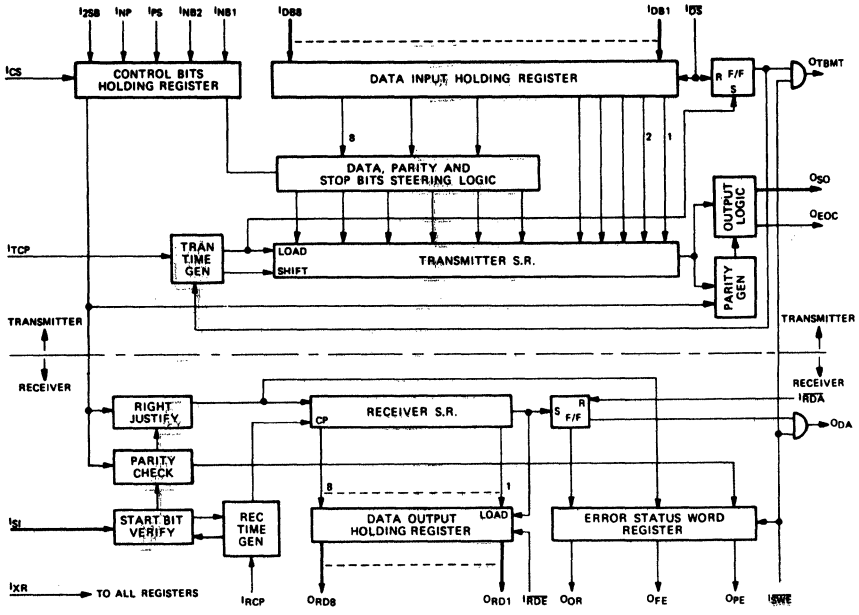
K21-14



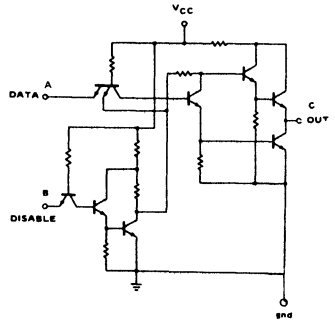
K21-15



K21-16

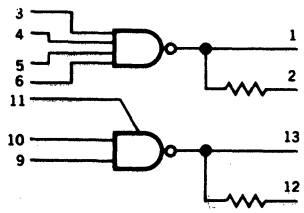


K21-17



	PKG	CKT	DATA	DISABLE	OUT	VCC	GND
K21-17	MP	1	1	2	3	14	7
		2	5	4	6		
		3	9	10	8		
		4	13	12	11		
	FP	1	3	2	1	4	11
		2	5	6	7		
		3	9	8	10		
		4	13	14	12		

K21-18

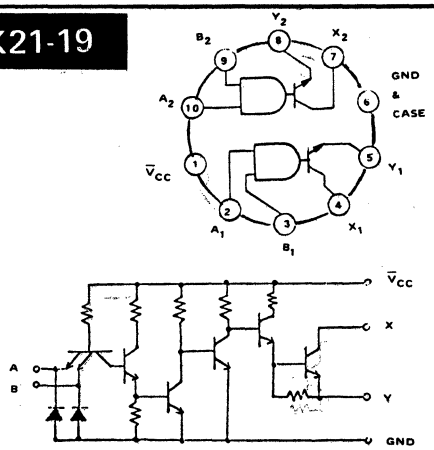


V_{CC_1}=14

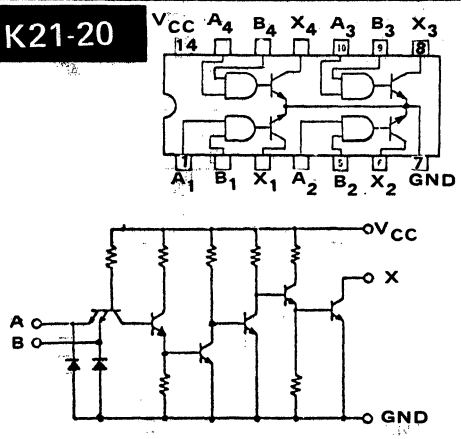
V_{CC_2}=8

GND=7

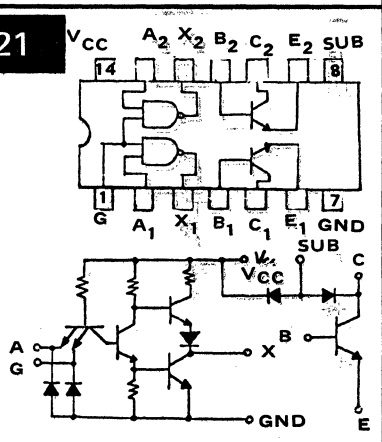
K21-19



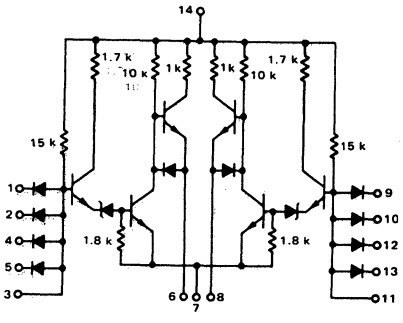
K21-20



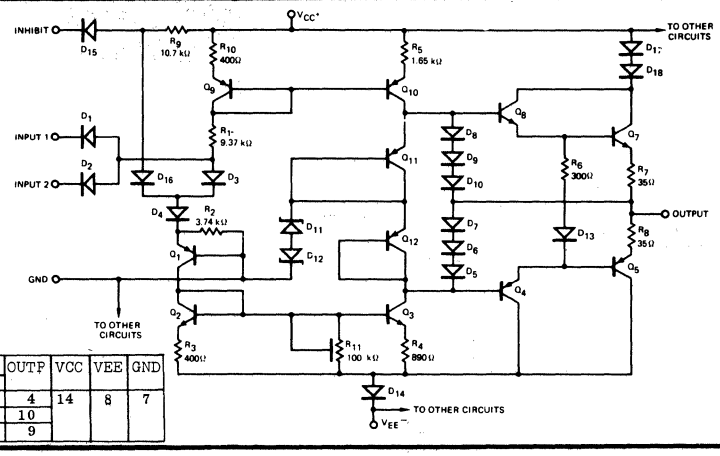
K21-21



K21-22

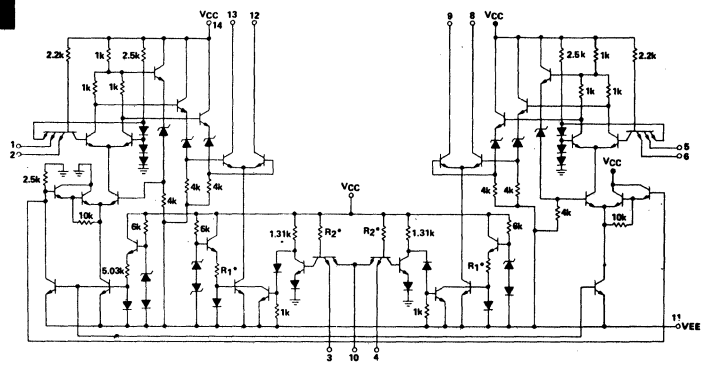


K21-23

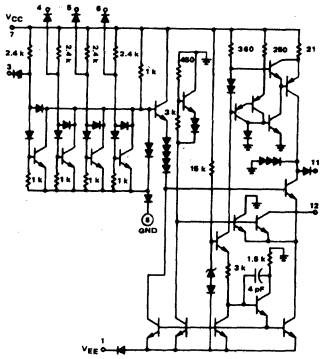


	CKT	INHIBIT	INPUT 1	INPUT 2	OUTP	VCC	VEE	GND
K21-23	1	3	1	2	4	14	8	7
	2	11	13	12	10			
	3	6	5		9			

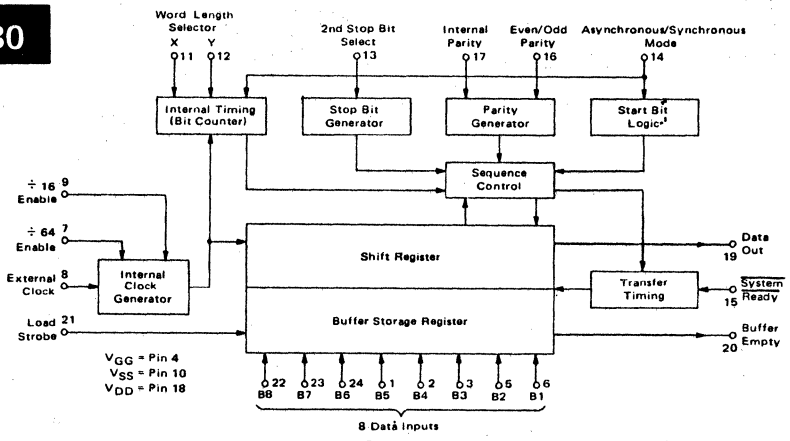
K21-28



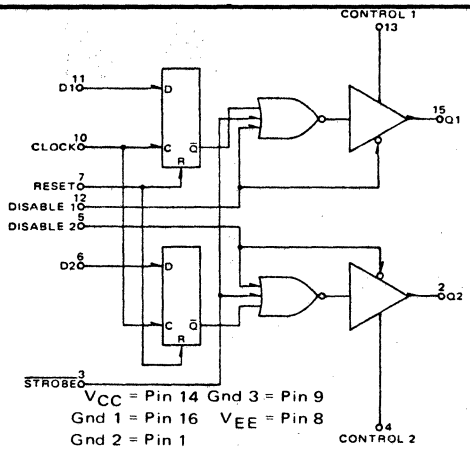
K21-29



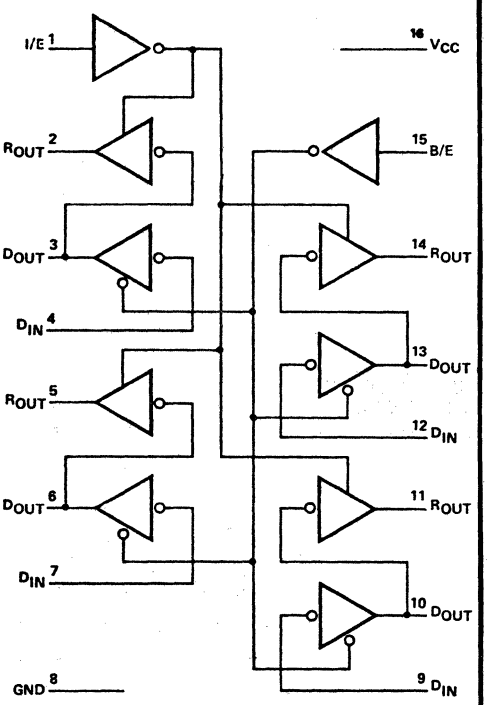
K21-30



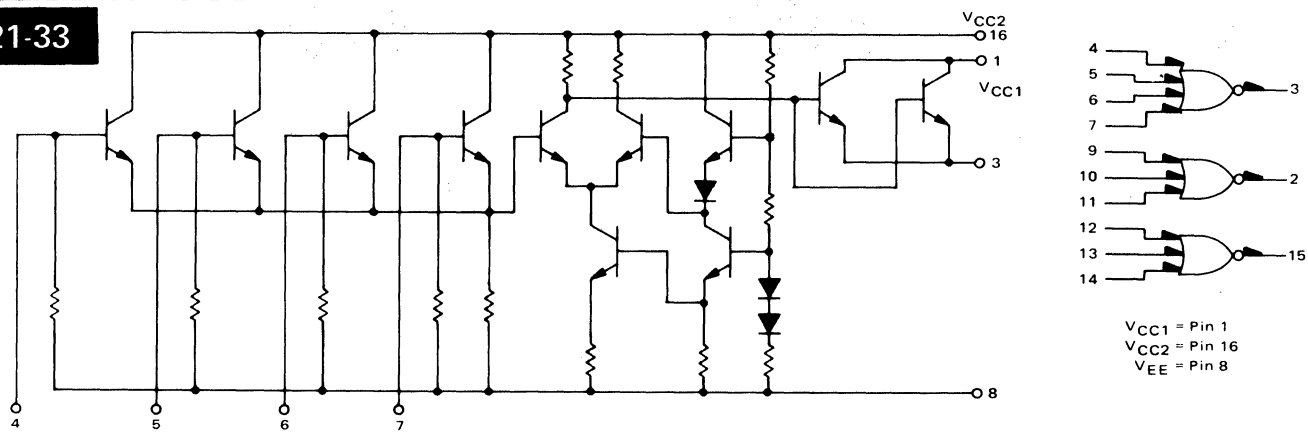
K21-31



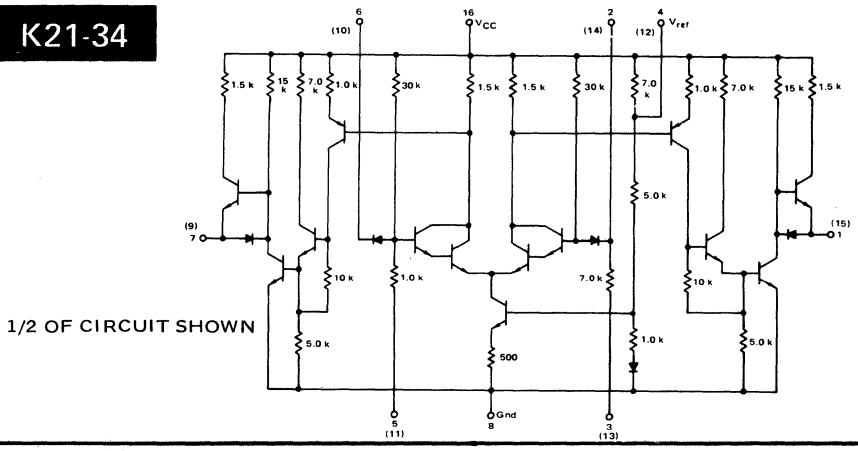
K21-32



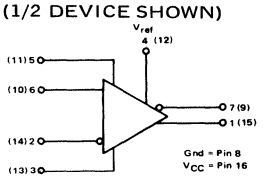
K21-33



K21-34

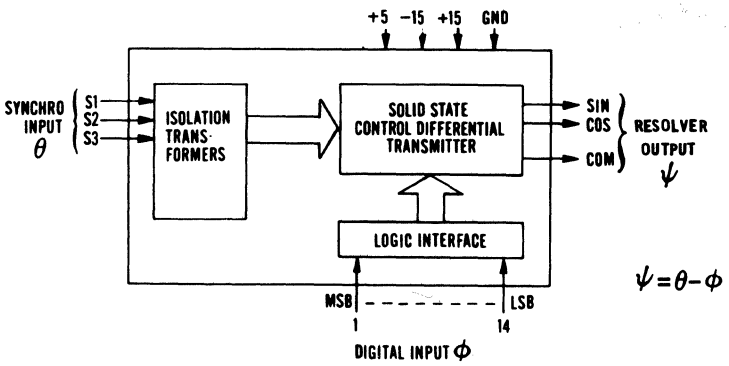


(1/2 DEVICE SHOWN)

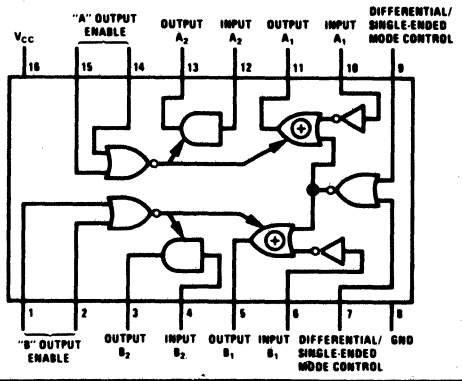


Numbers in parenthesis denotes pin numbers for other half of device

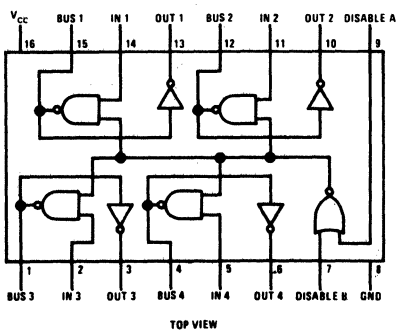
K21-35



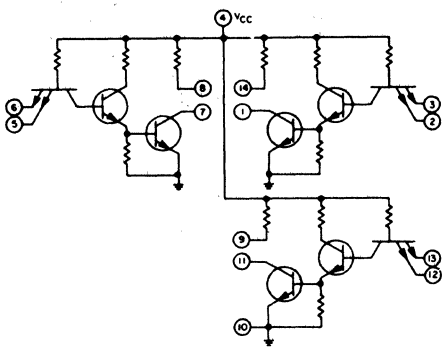
K21-37



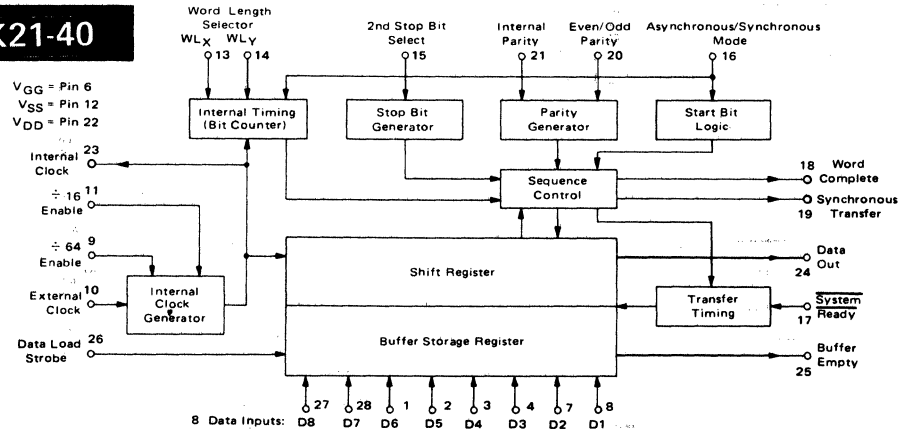
K21-38



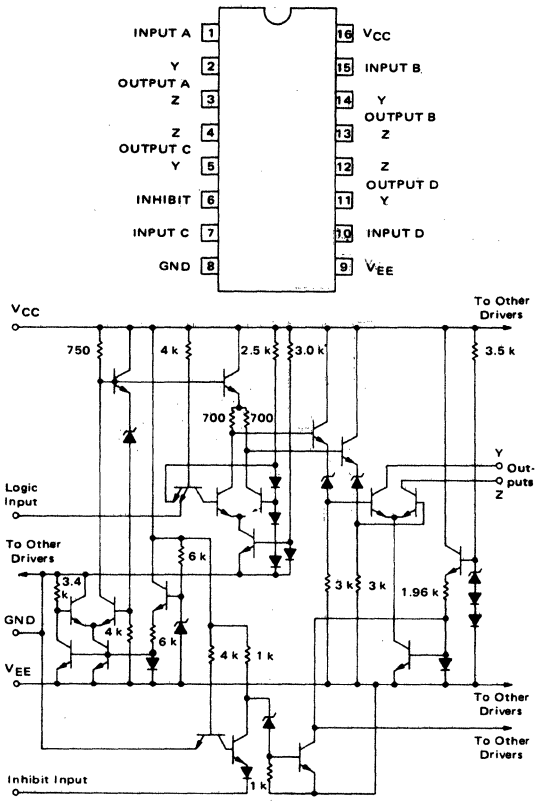
K21-39



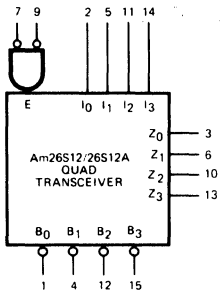
K21-40



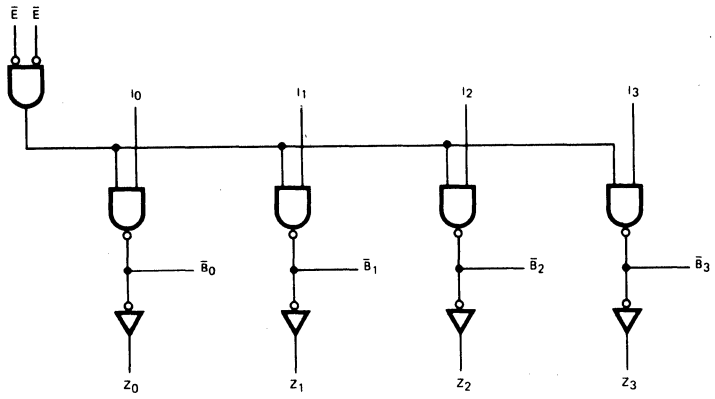
K21-41



K21-42

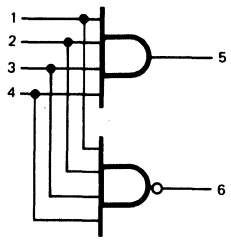


V_{CC} = PIN 16
GND = Pin 8

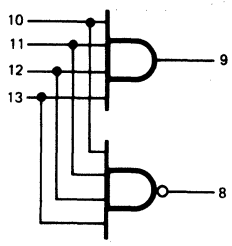


K21-43

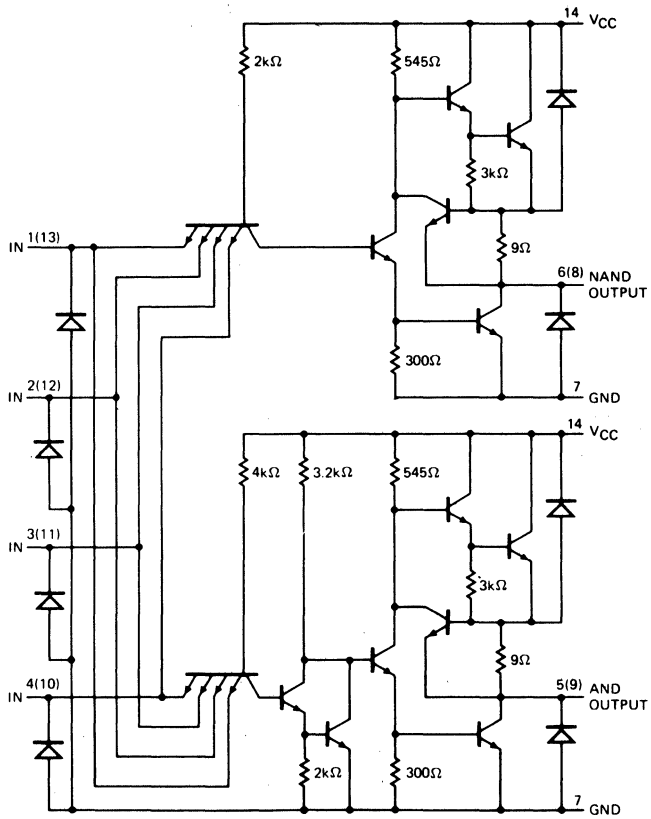
DRIVER A



DRIVER B

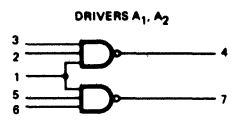


V_{CC} = Pin 14
GND = Pin 7

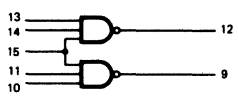


K21-44

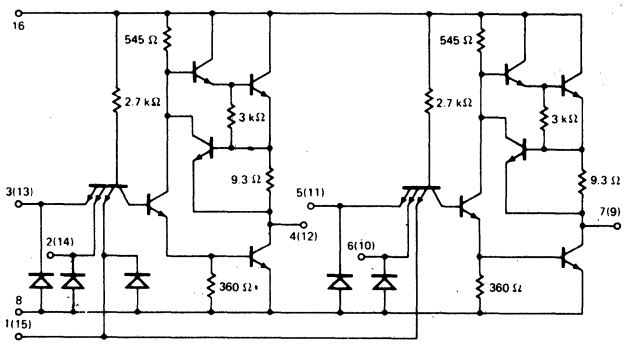
DRIVERS A_1, A_2



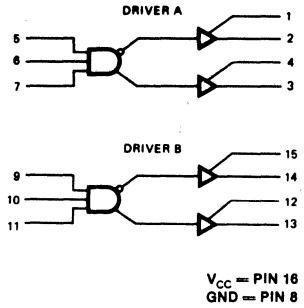
DRIVERS B_1, B_2



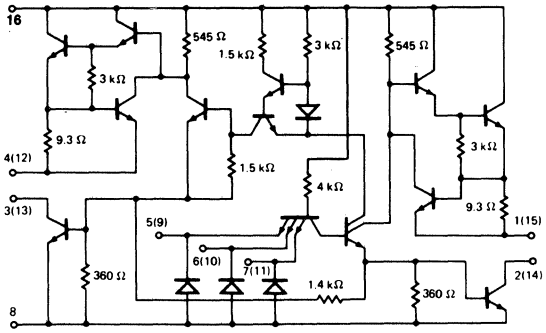
V_{CC} = PIN 16
GND = PIN 8



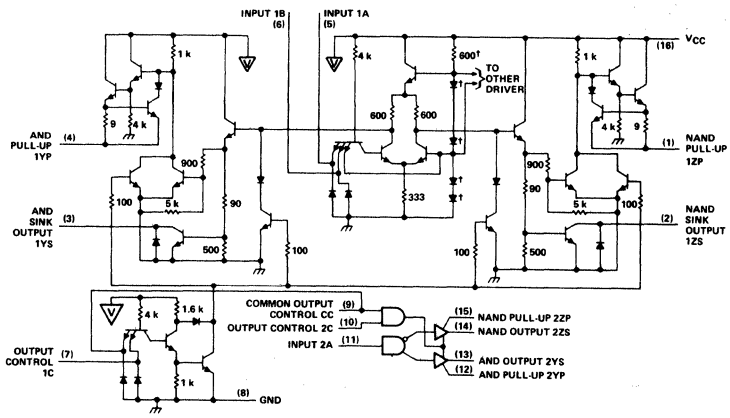
K21-45



V_{CC} = PIN 16
GND = PIN 8

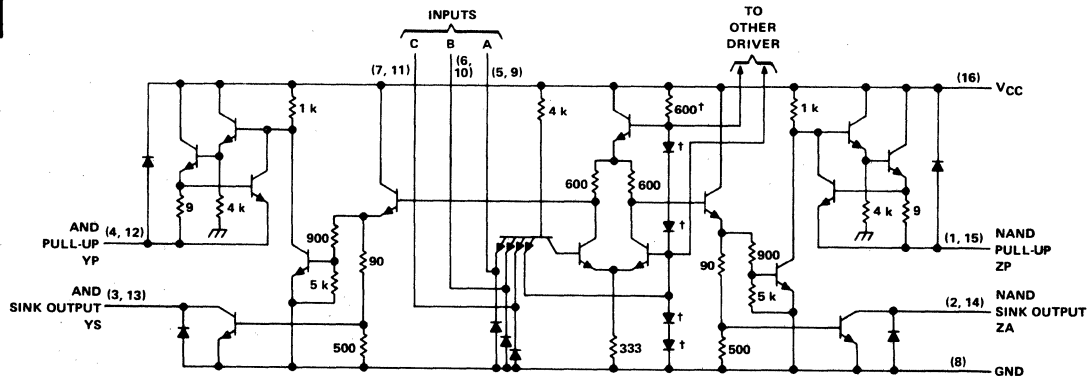


K21-46

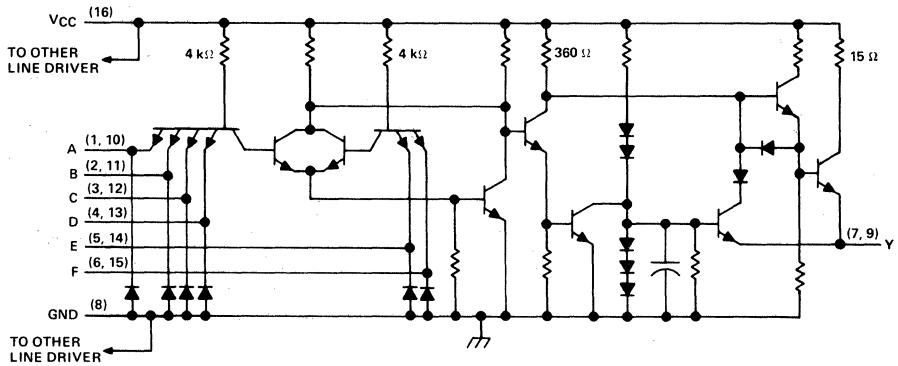


▽ . . . V_{CC} bus

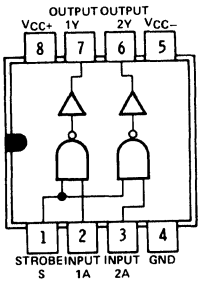
K21-47

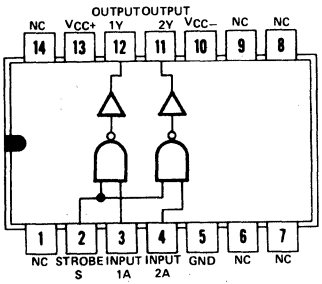


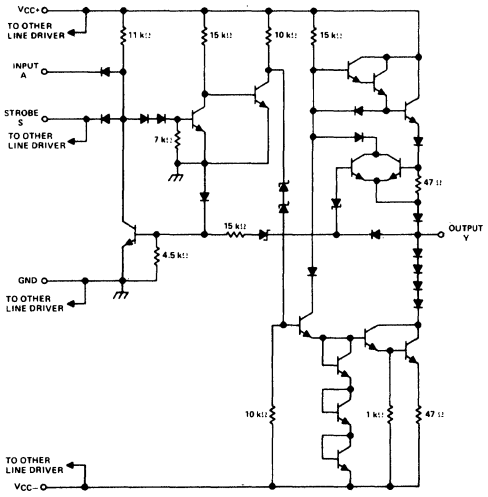
K21-48



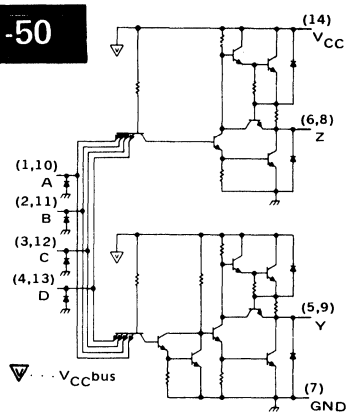
K21-49



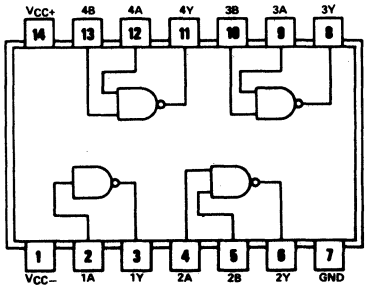


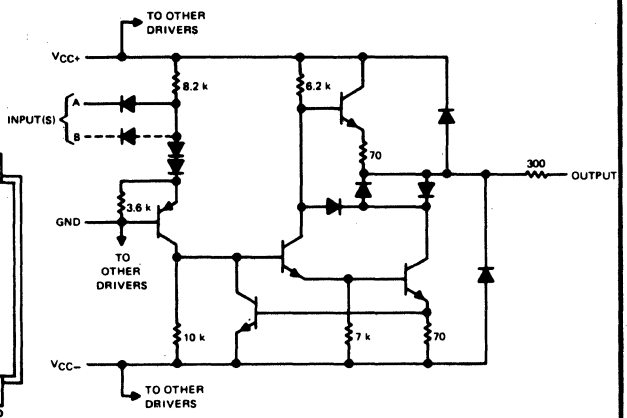


K21-50

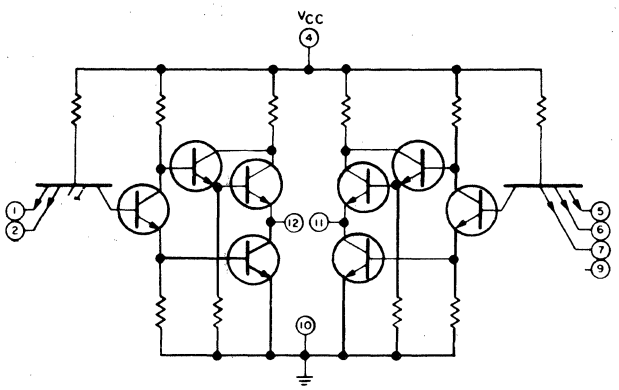


K21-51

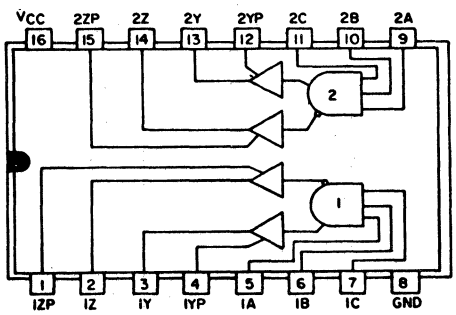




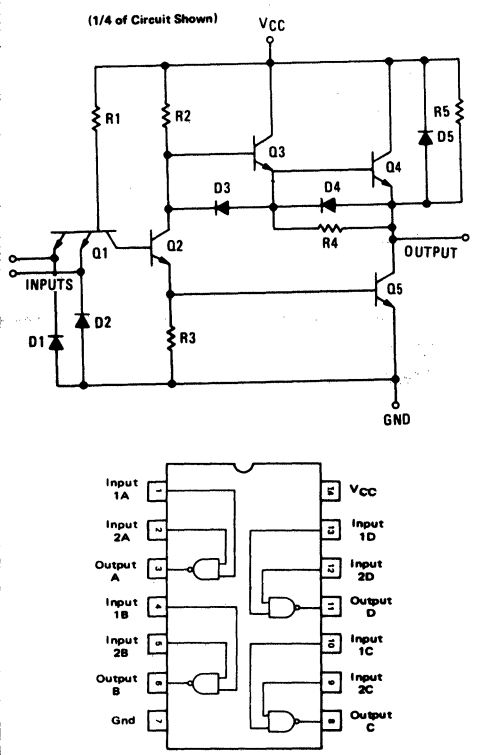
K21-52



K21-53



K21-54



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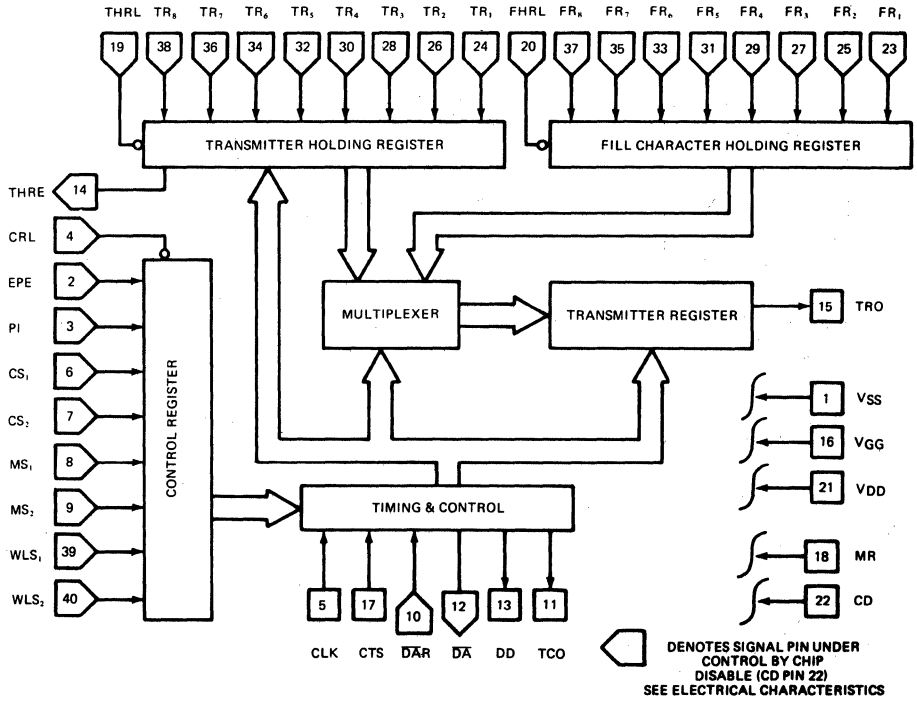
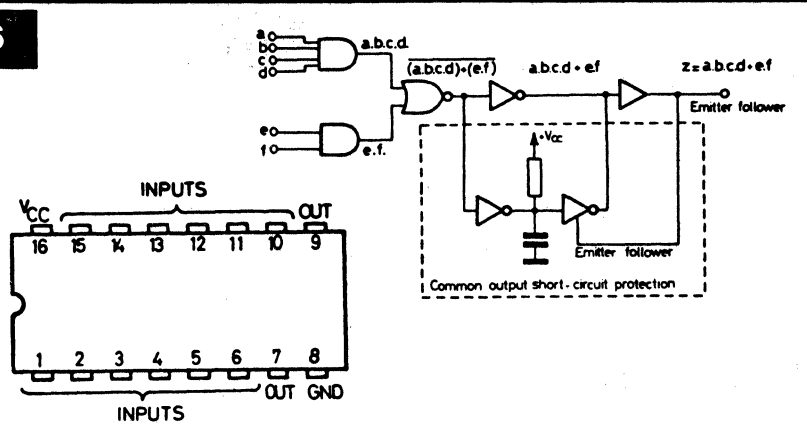
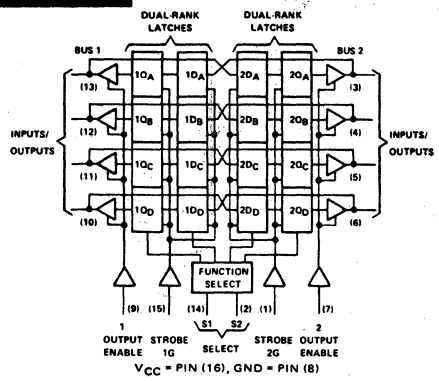


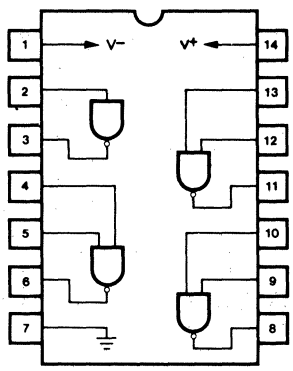
K21-56



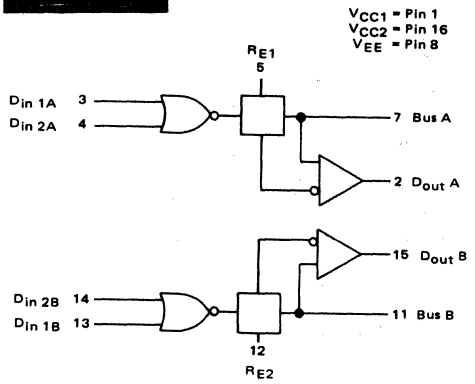
K21-57



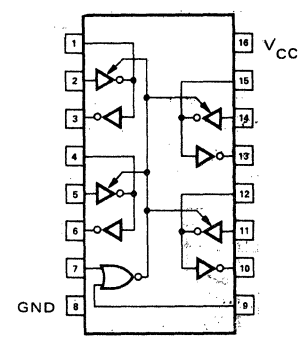
K21-58



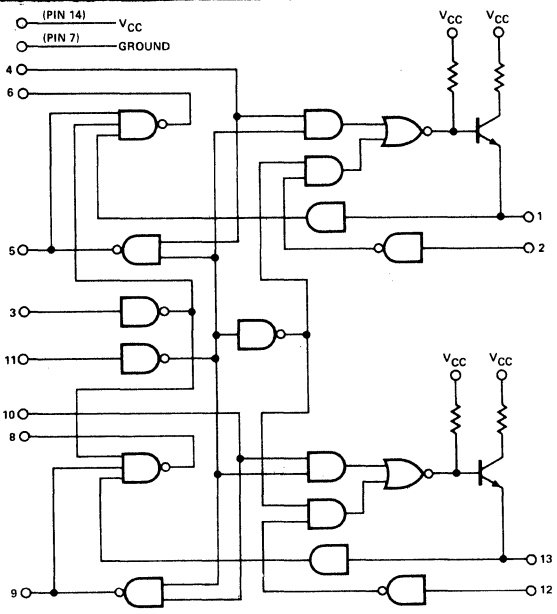
K21-59



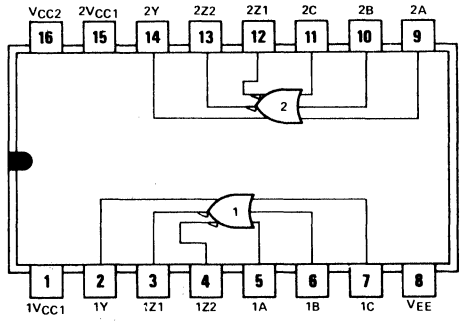
K21-60



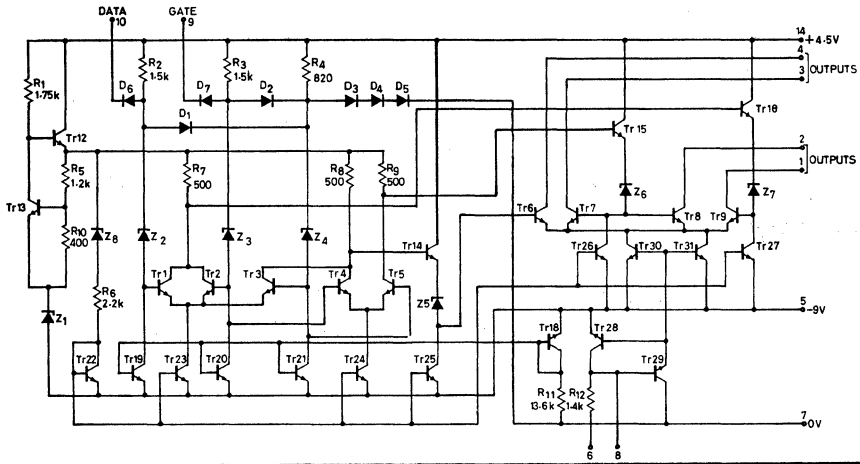
K21-61



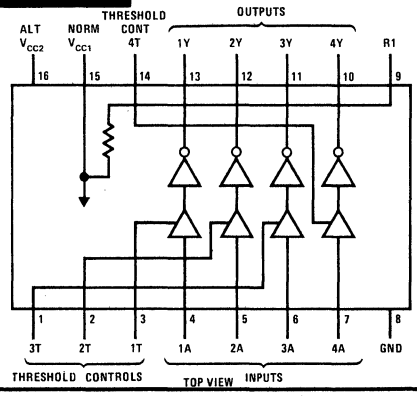
K21-62



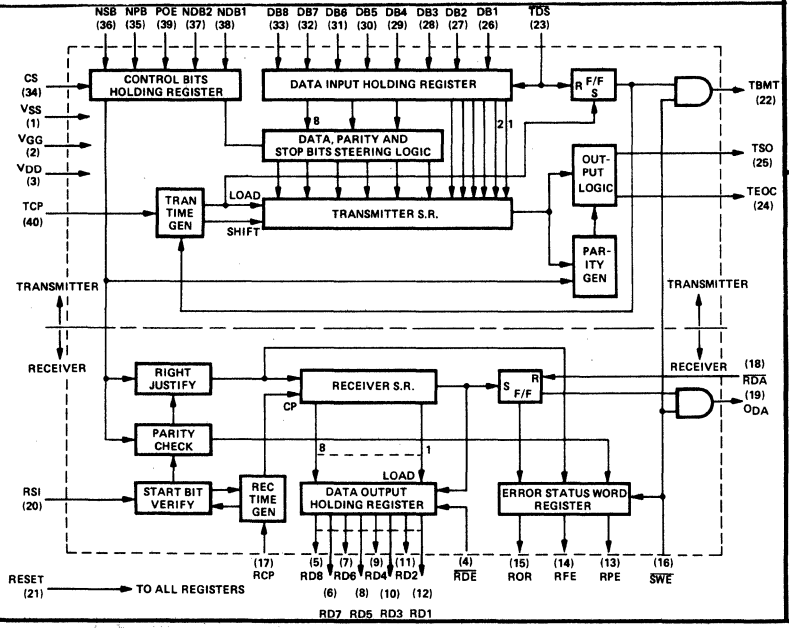
K21-63



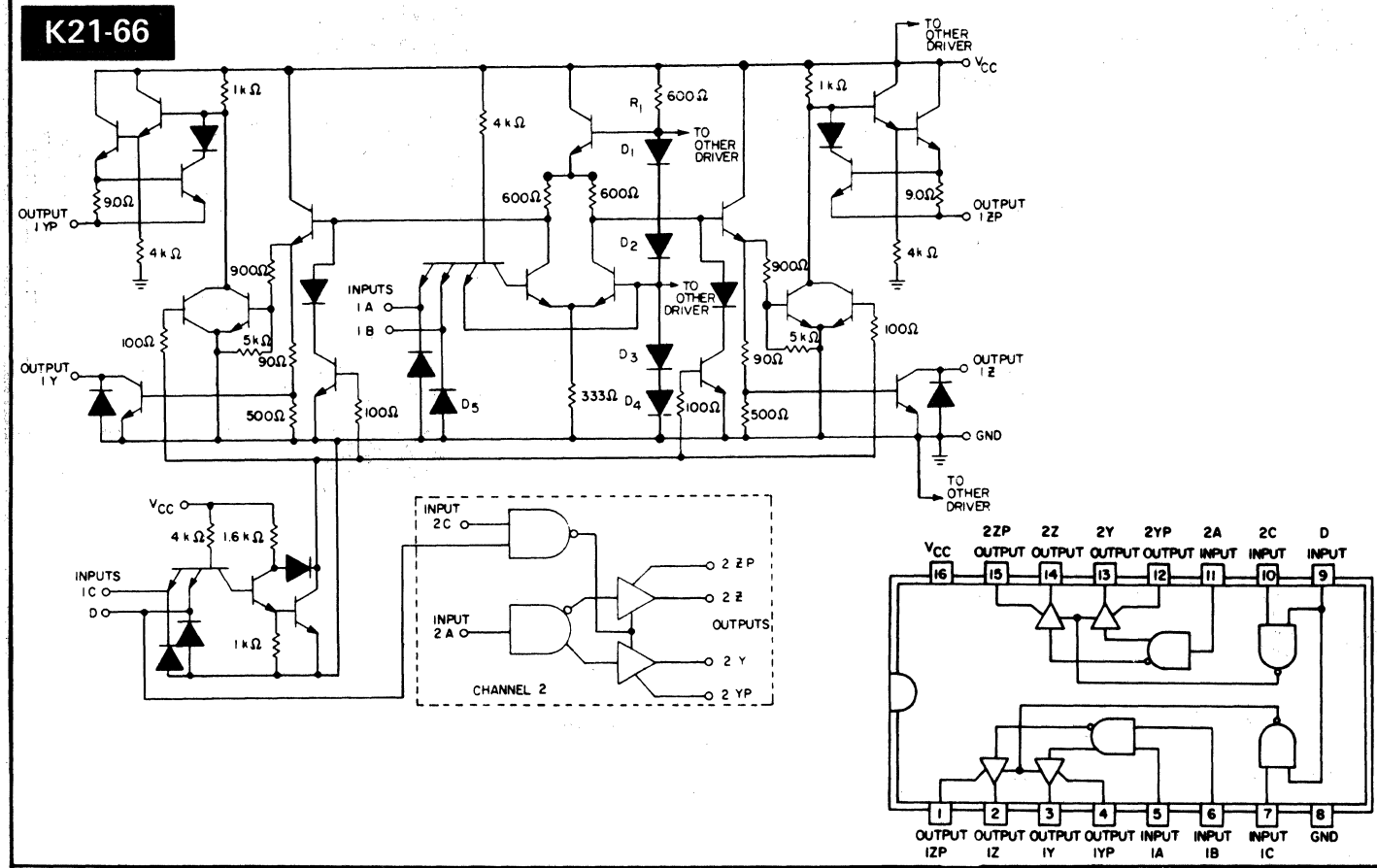
K21-64



K21-65



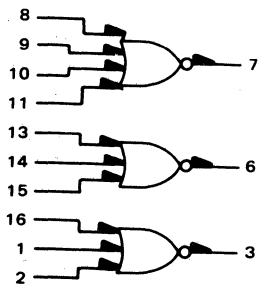
K21-66



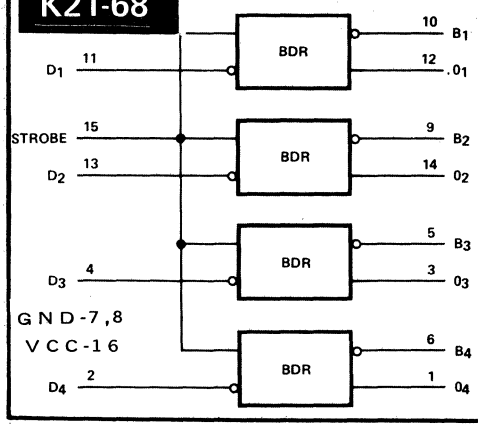
K21-67

NEGATIVE LOGIC
or
POSITIVE LOGIC

V_{CC1} = Pin 5
V_{CC2} = Pin 4
V_{EE} = Pin 12



K21-68



K21-69

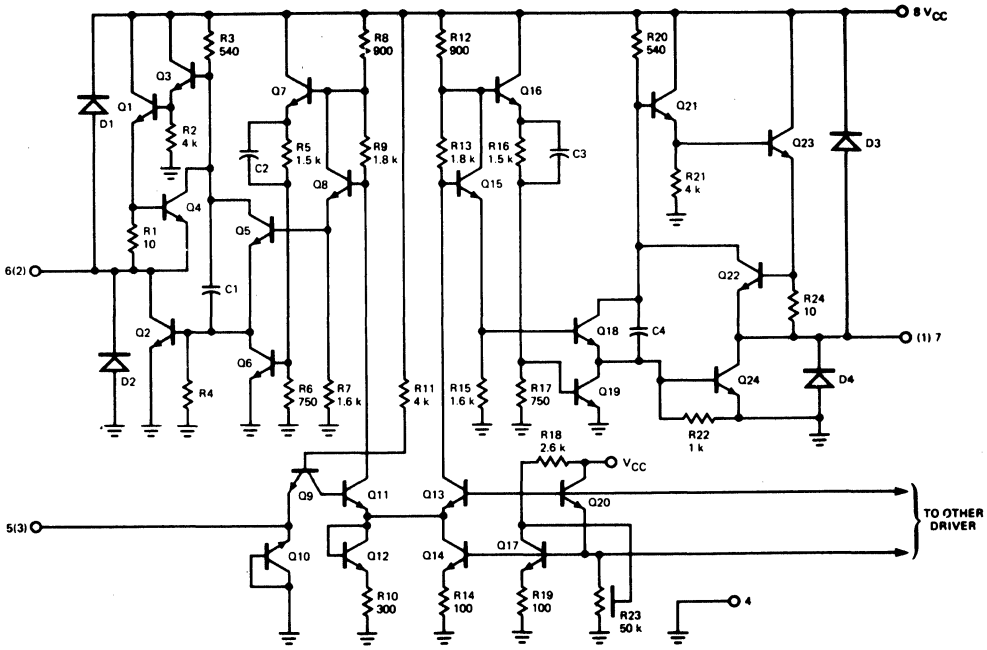
SERDEX TRANSMITTER CARD SIGNAL AND PIN DESIGNATIONS

PIN	FUNCTION	MODULE PIN
2	Ground	
4	Shift	A3
6	Load	A2
8	Clock Out	A13, C17
10	TTL IN	A15, D10
12	Spare	
14	Spare	
16	Trigger (?)	C3
18	Spare	
20	Spare	
22	Spare	
24	Spare	
26	Spare	
28	Spare	
30	Spare	
32	Spare	
34	Spare	
36	SR3-Serial Input	B5
38	SR4-Serial Input	B11
40	SR1-Serial Input	B17
42	SR2-Serial Input	B23
44	. Control Charac.	C11
46	= Control Charac.	C9
48	* Control Charac.	C10
50	$ Control Charac.	C12
52	Trig. Cont. Charac.	D9
54	! Control Charac.	D5
56	% Control Charac.	D4
58	Status	C1
60	TTL OUT	C2
62	-I IN	D7, D3 by W30
64	+I IN	D6
66	+I OUT	D3, D7 by W30
68	-I OUT	D2
70	Transmit	D21
72	+5VDC	

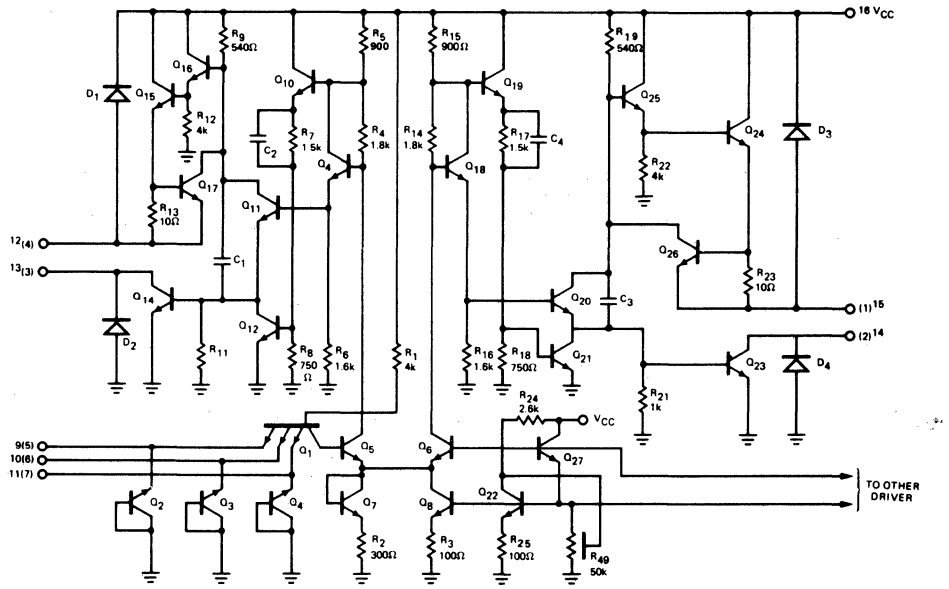
MODULE PIN	FUNCTION		PIN
A18	1(LSB)		1
A23	2	1(MSD)	3
A7	3		5
A12	4(MSB)		7
A19	1		9
A22	2	2	11
A6	3		13
A11	4		15
A17	1		17
A21	2	3	19
A5	3		21
A10	4		23
A16	1		25
A20	2	4	27
A4	3		29
A9	4		31
B13	1		33
B19	2	5	35
B1	3		37
B10	4		39
B14	1		41
B20	2	6	43
B2	3		45
B9	4		47
B15	1		49
B21	2	7	51
B3	3		53
B8	4		55
B16	1		57
B22	2	8(LSB)	59
B4	3		61
B7	4		63
	-15V OUT		65
			67
			69
			71

DATA INPUTS

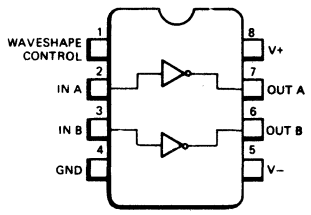
K21-70



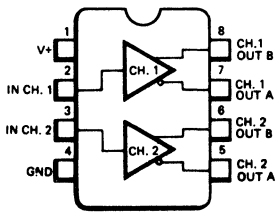
K21-71



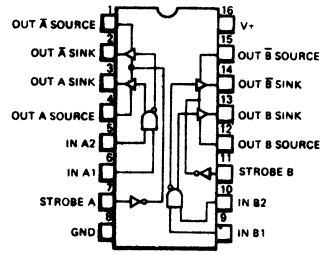
K21-72



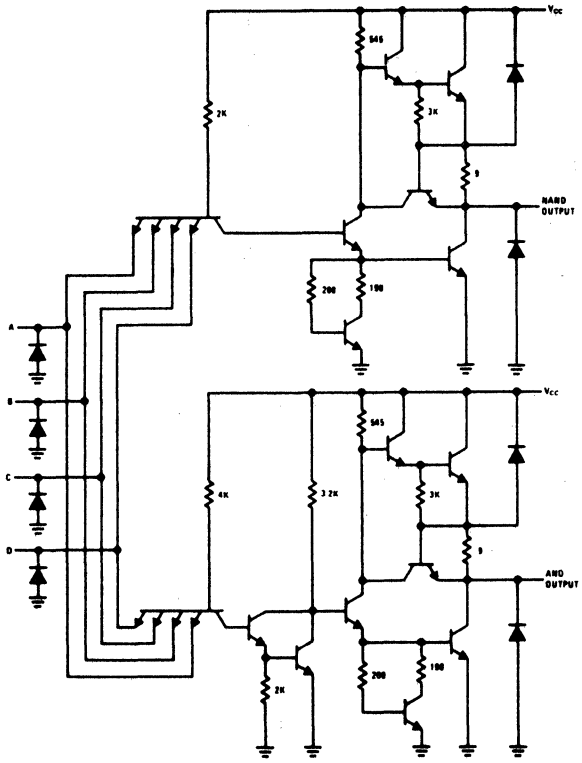
K21-73

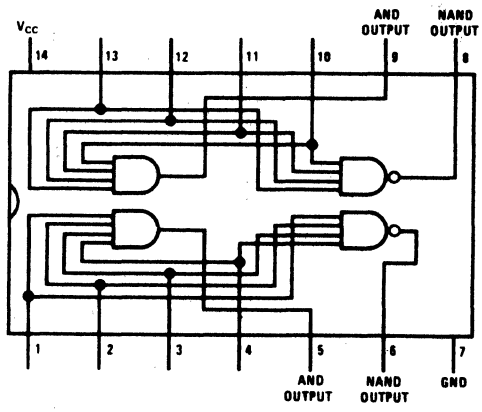


K21-74

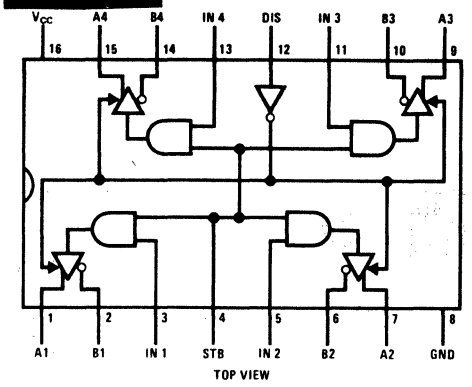


K21-75

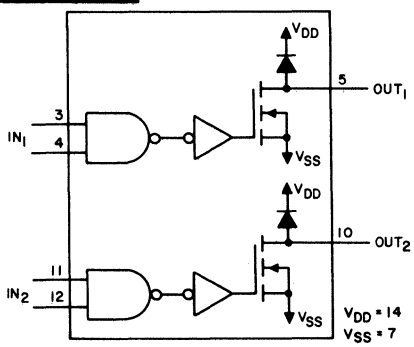




K21-76

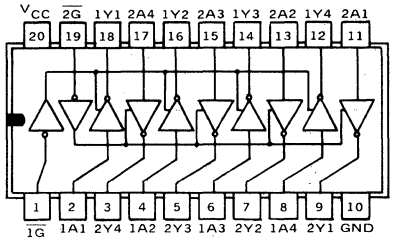


K21-77

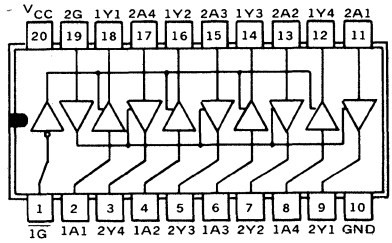


1, 2, 6, 8, 9, 13: NC

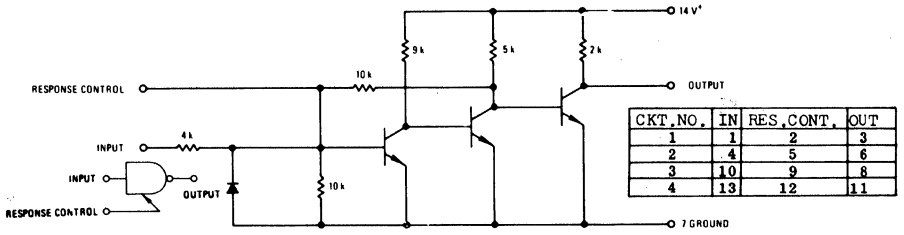
K21-78



K21-79

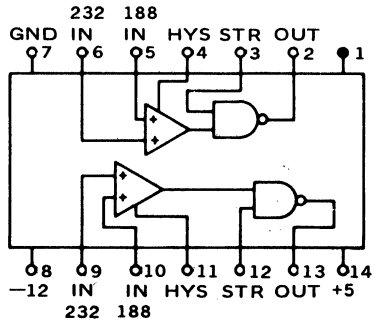


K22-3

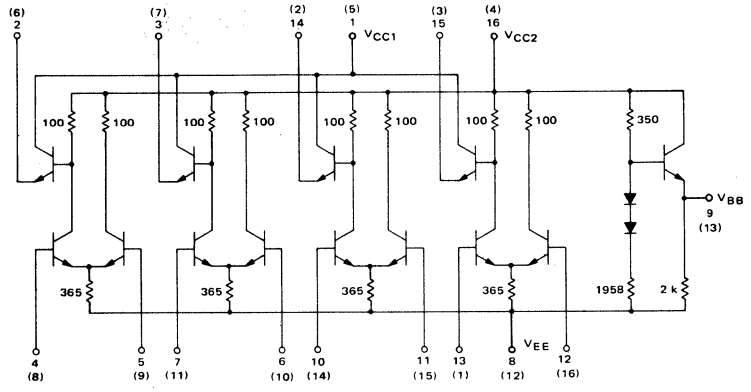


CKT.NO.	IN	RES.CONT.	OUT
1	1	2	3
2	4	5	6
3	10	9	8
4	13	12	11

K22-5

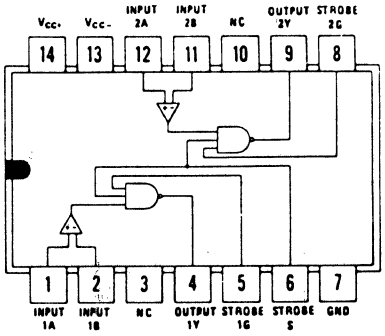


K22-7

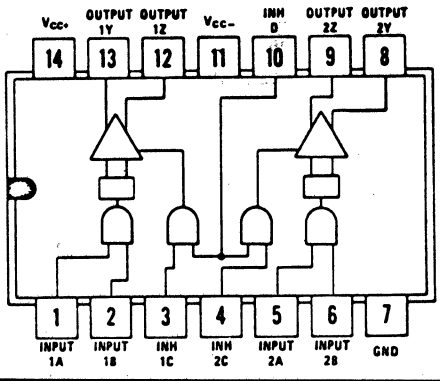


Number at end of terminal denotes pin number for L package
Number in parenthesis denotes pin number for F package

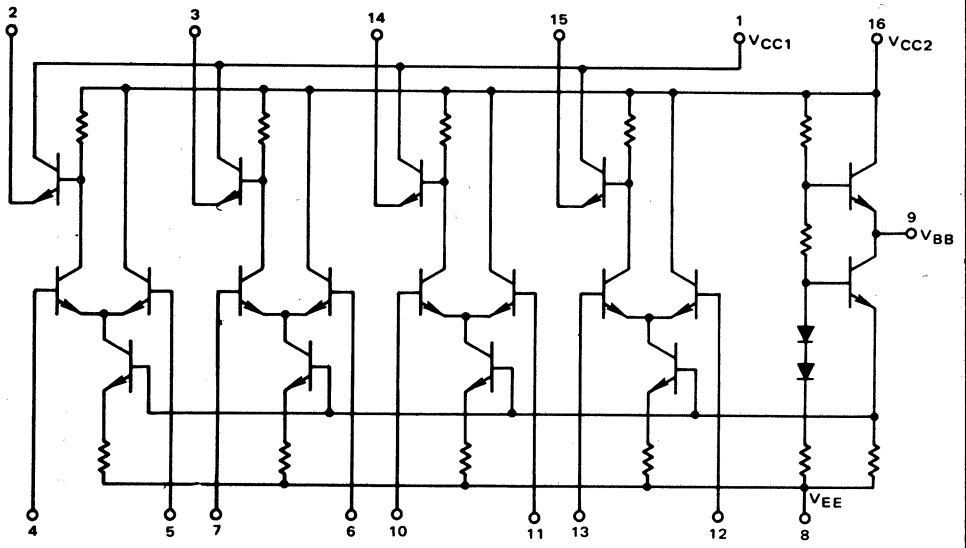
K22-11



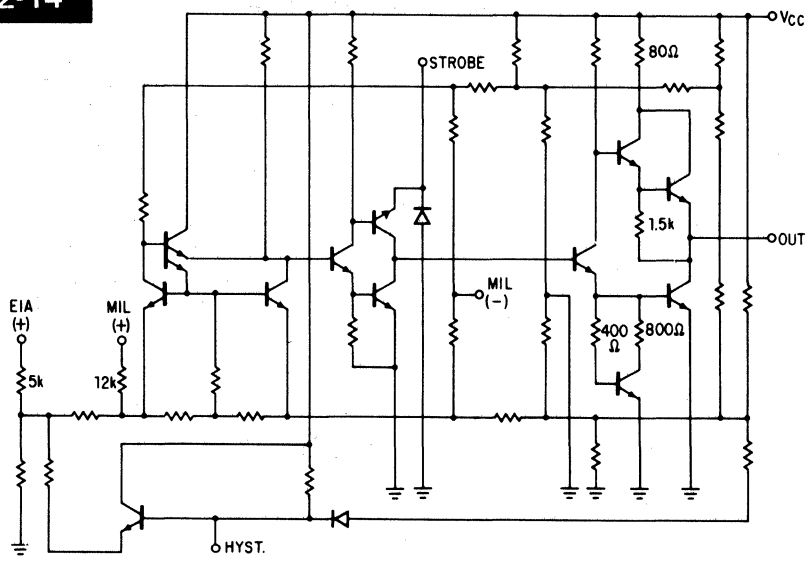
K22-12



K22-13

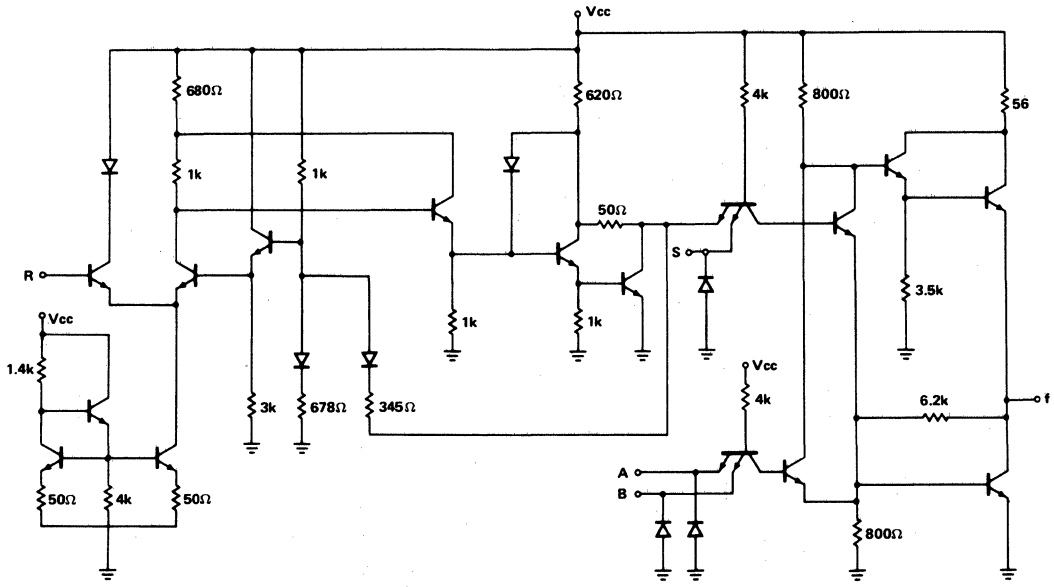


K22-14



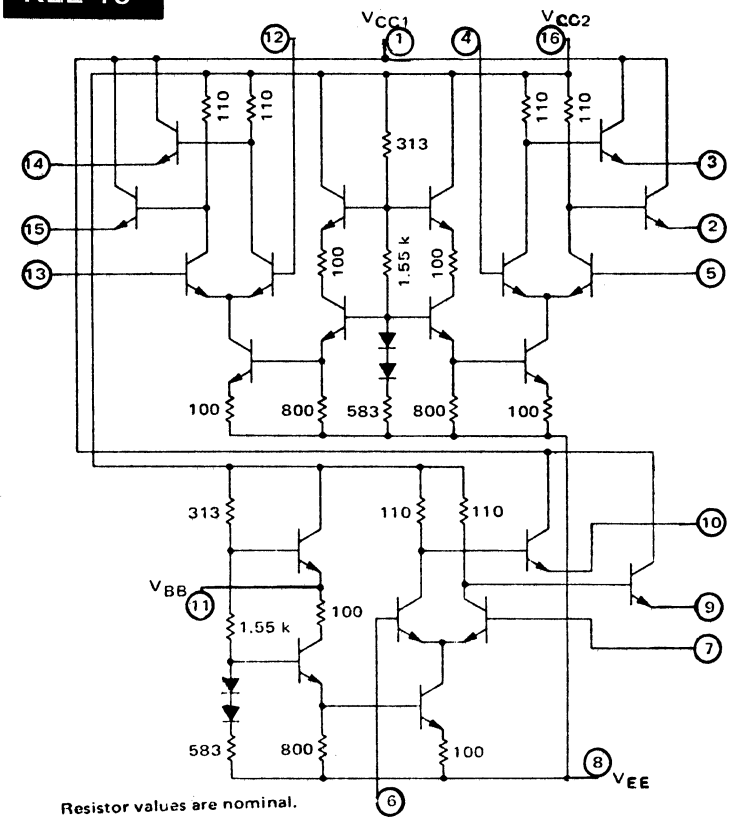
	CKT	EIA	MIL +	MIL −	HYST.	STROBE	OUT	GND	VCC
K22-14	1	6	5	1	4	3	2	7	14
	2	9	10	8	11	12	13	7	14

K22-15



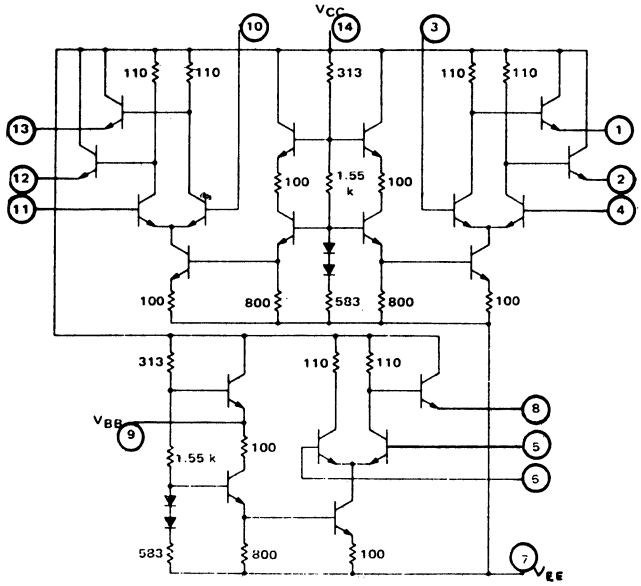
	CKT	R	S	A	B	f	VCC	GND
K22-15	1	3	4	5	6	7	16	8
	2	10	11	12		9	16	8
	3	14	15	1	2	13	16	8

K22-16



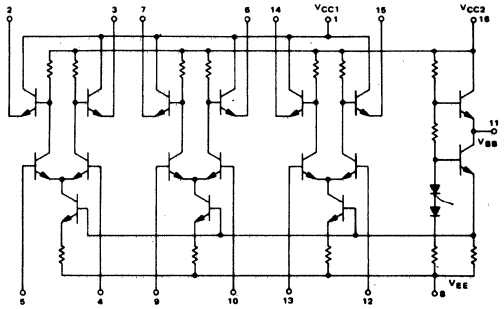
Resistor values are nominal.

K22-17

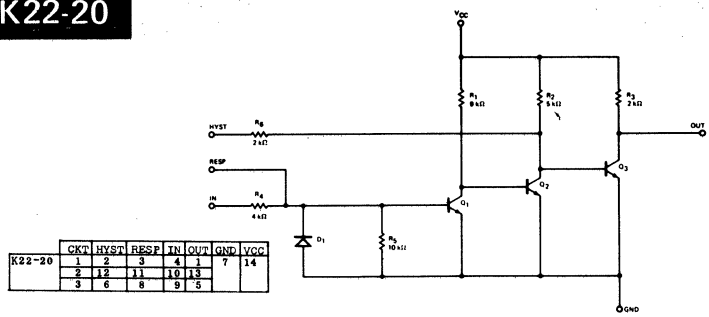


Resistor values are nominal.

K22-18

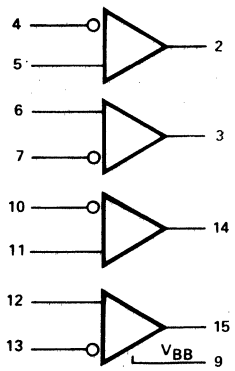


K22-20

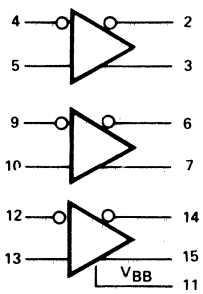


K22-20	CKT	HYST	RESP	IN	OUT	GND	VCC
	1	2	3	4	1	7	14
	2	12	11	10	13		
	3	6	8	9	5		

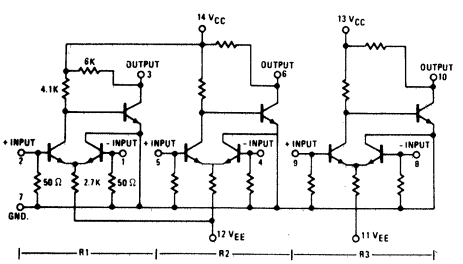
K22-23



K22-24

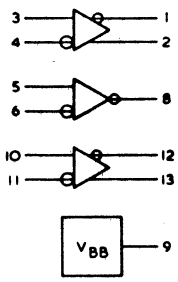


K22-25

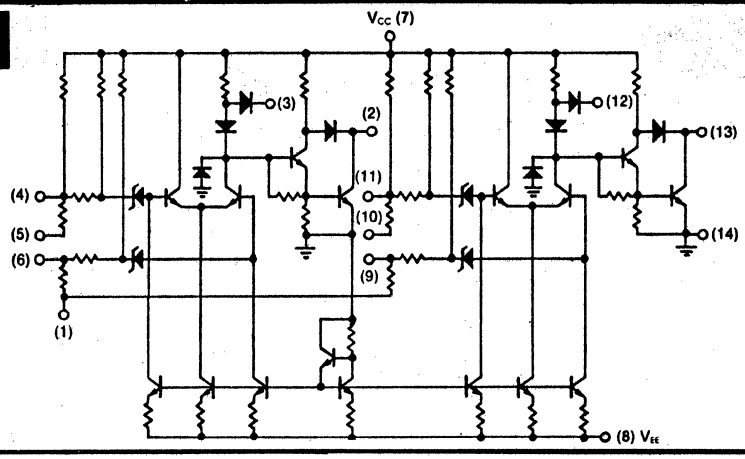


K22-25a—OMITS 6k OUTPUT PULL-UP RESISTORS.

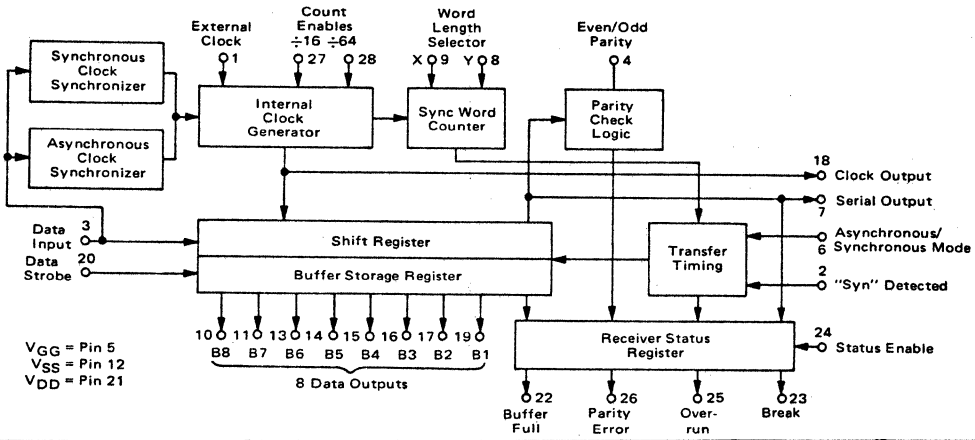
K22-25b—OMITS 50 Ω INPUT TERMINATION RESISTORS.



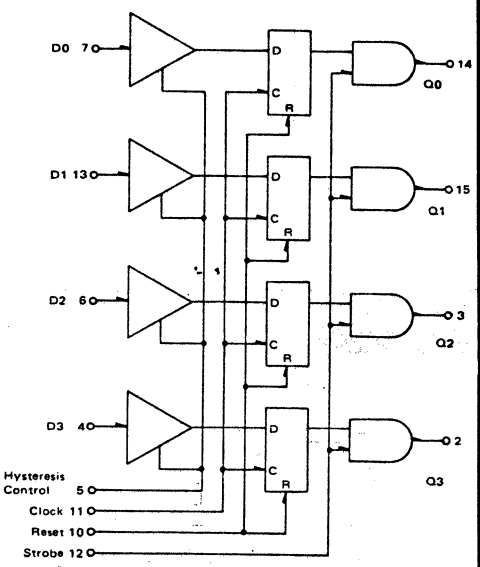
K22-28



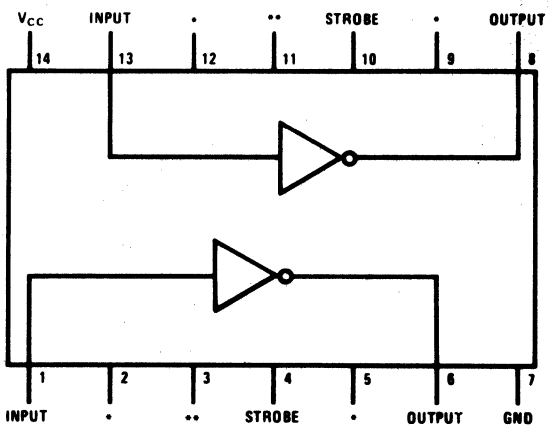
K22-29



K22-30



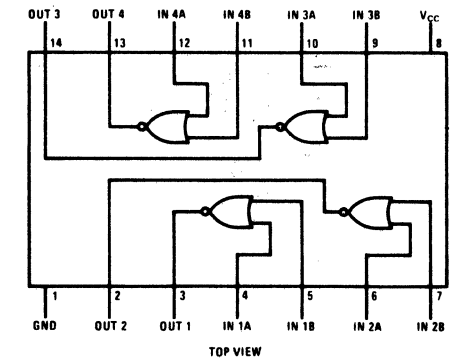
K22-31



*Make no connection to these pins.

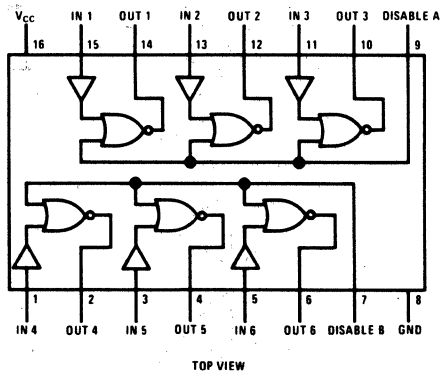
**For operation requiring "Mark Hold" with the input open connect a 470Ω resistors from each of these pins to ground.

K22-32



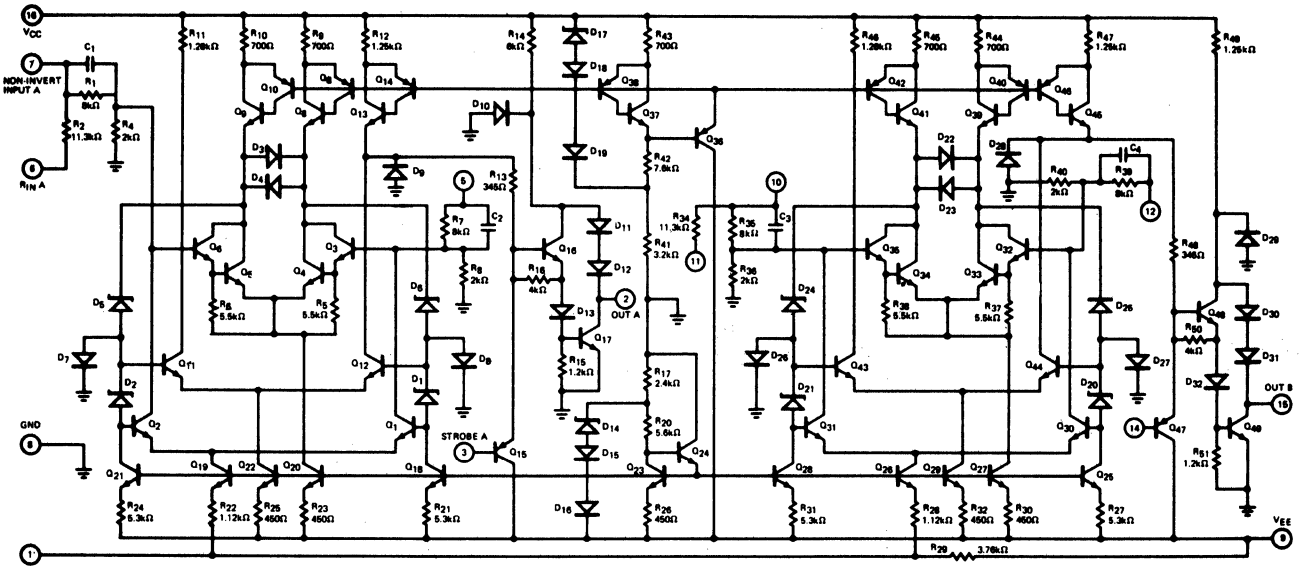
TOP VIEW

K22-33



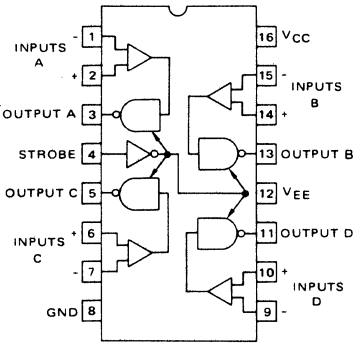
TOP VIEW

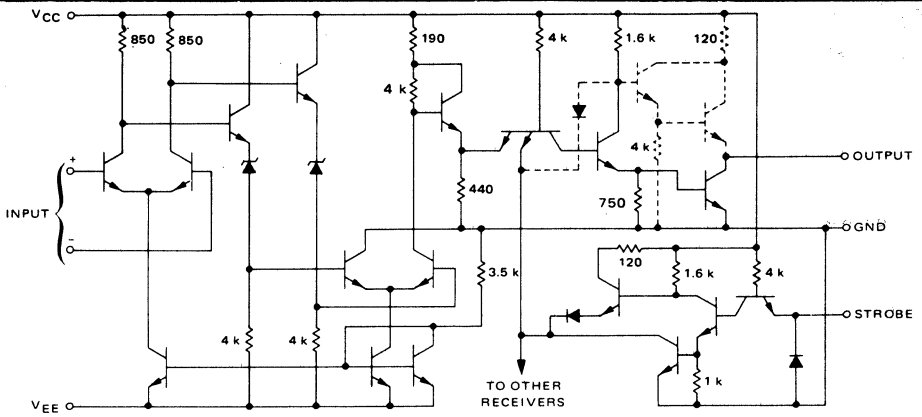
K22-34



Pin 4 and 13 = Internal Connection.

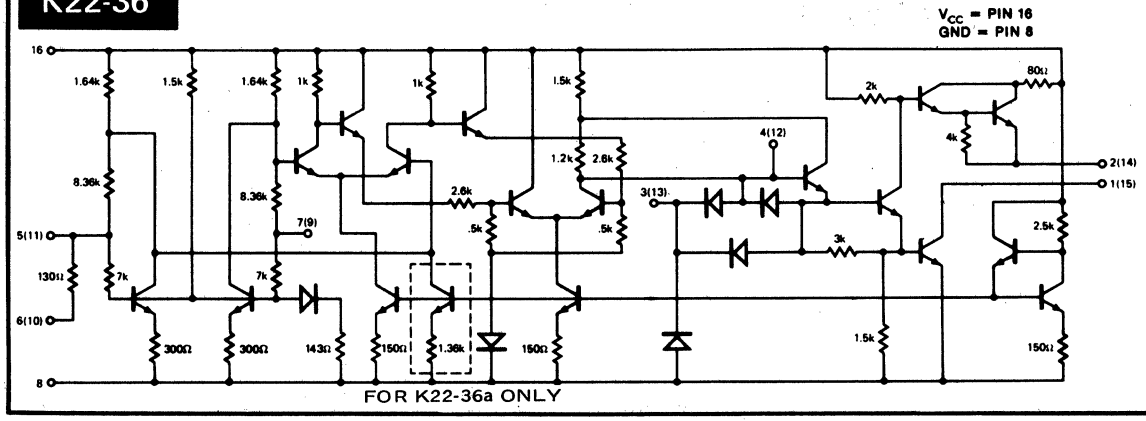
K22-35

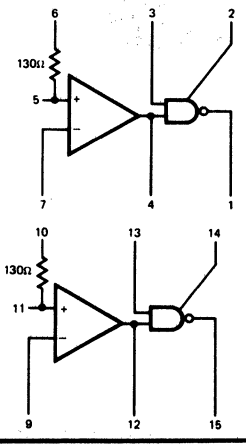




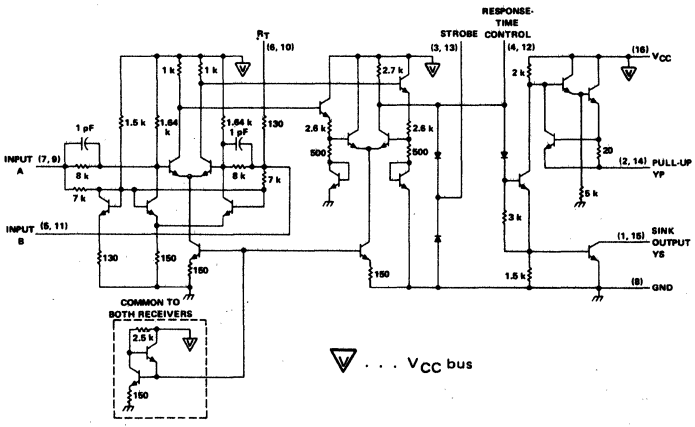
Dashed components apply to the K2235 circuit only.

K22-36

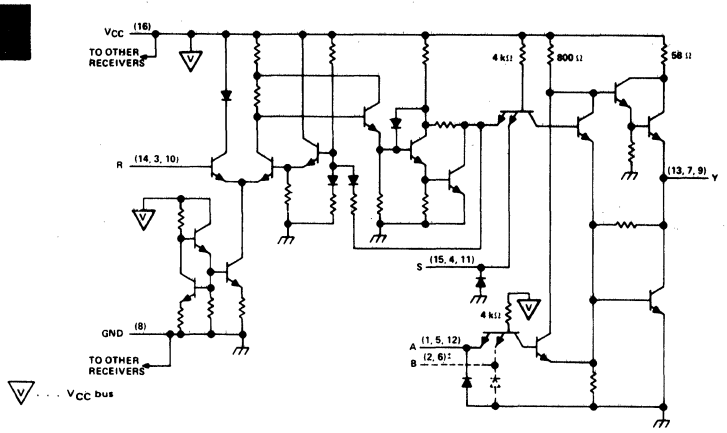




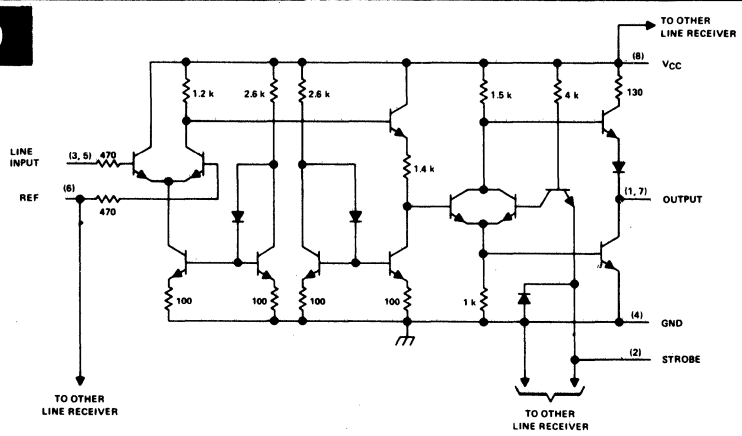
K22-37



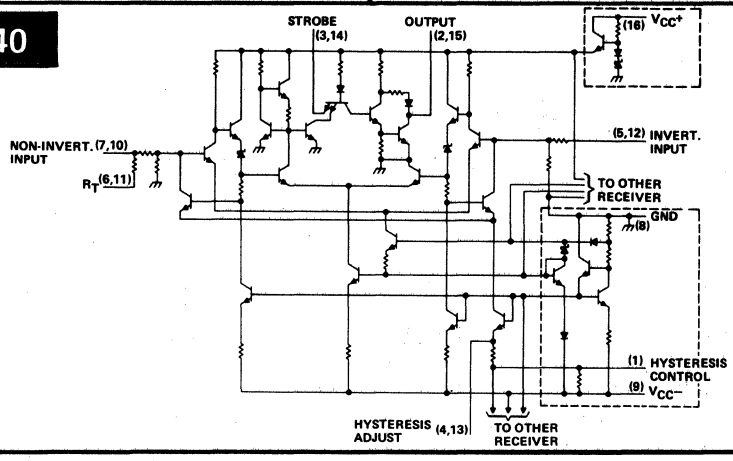
K22-38



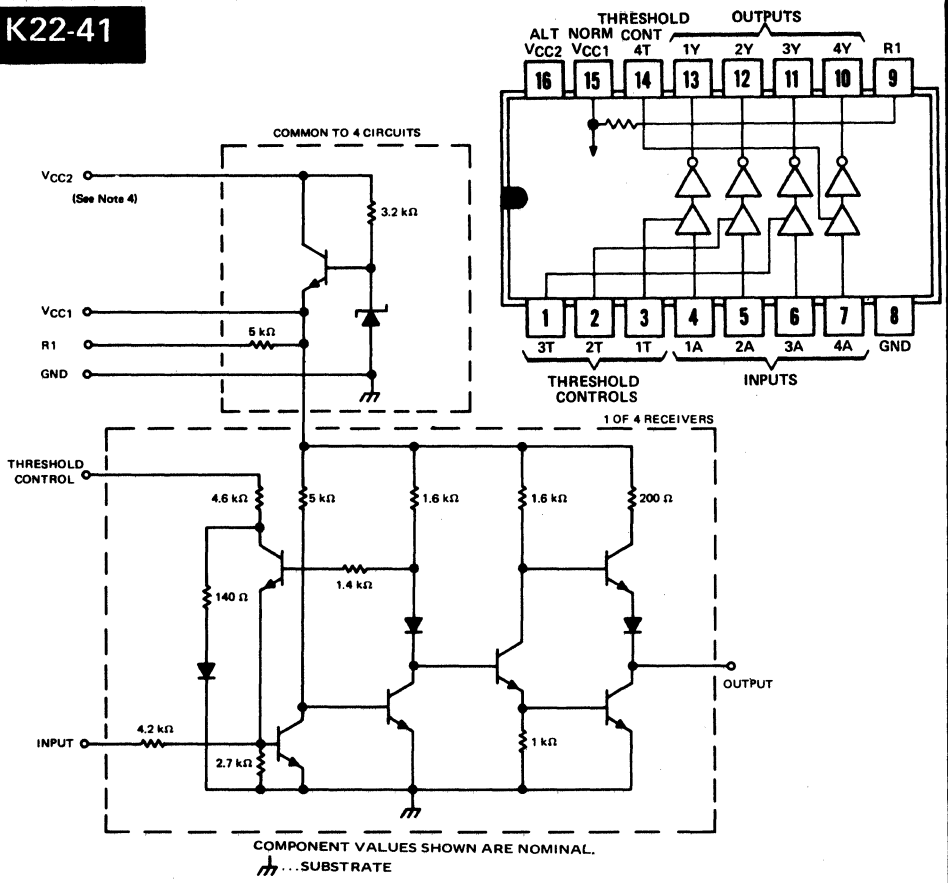
K22-39



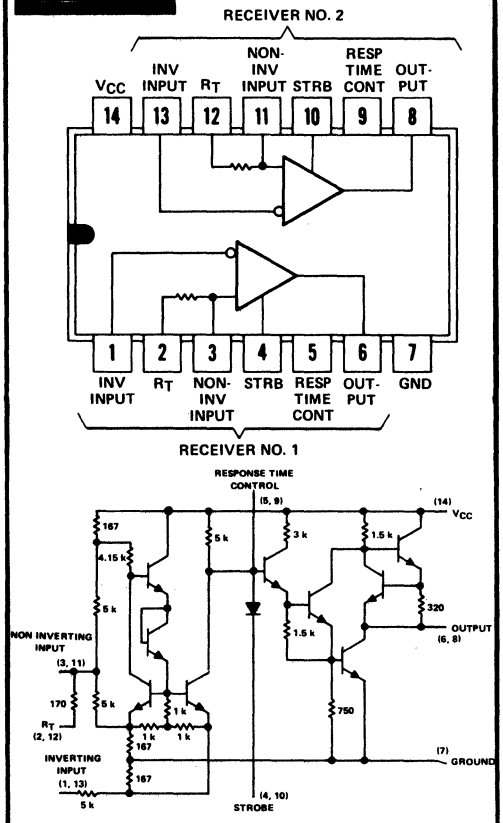
K22-40



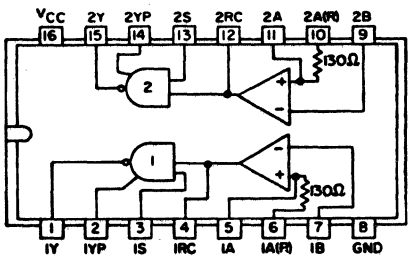
K22-41



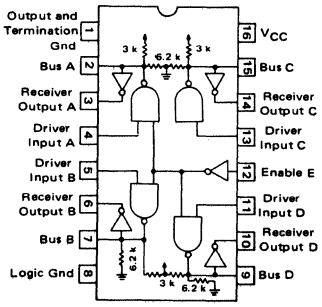
K22-42



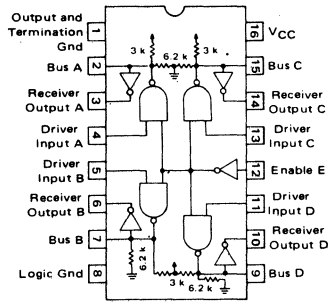
K22-43



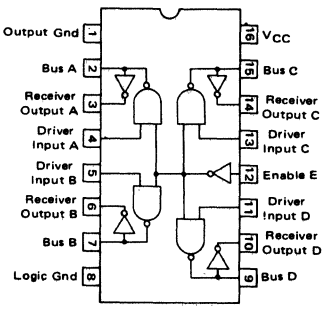
K22-44



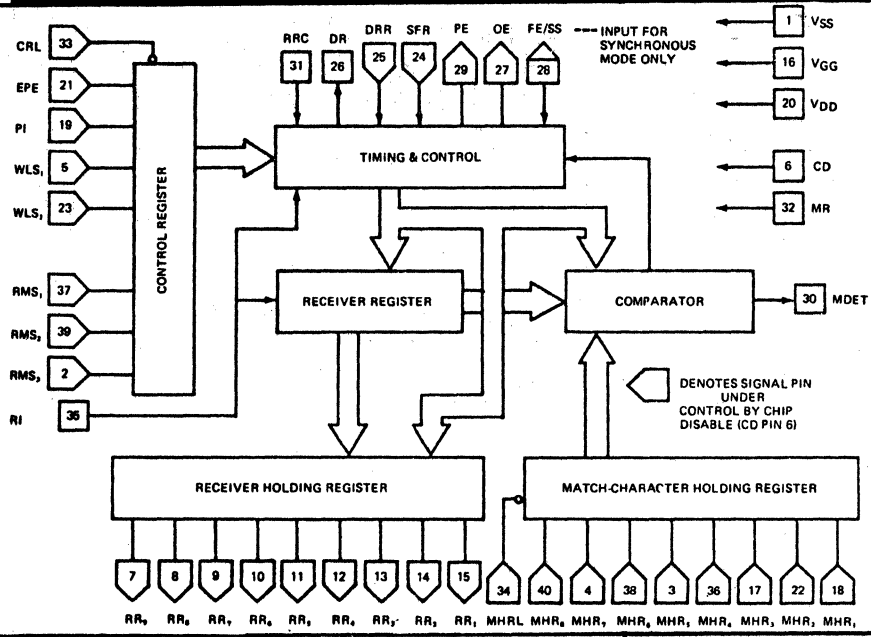
K22-45



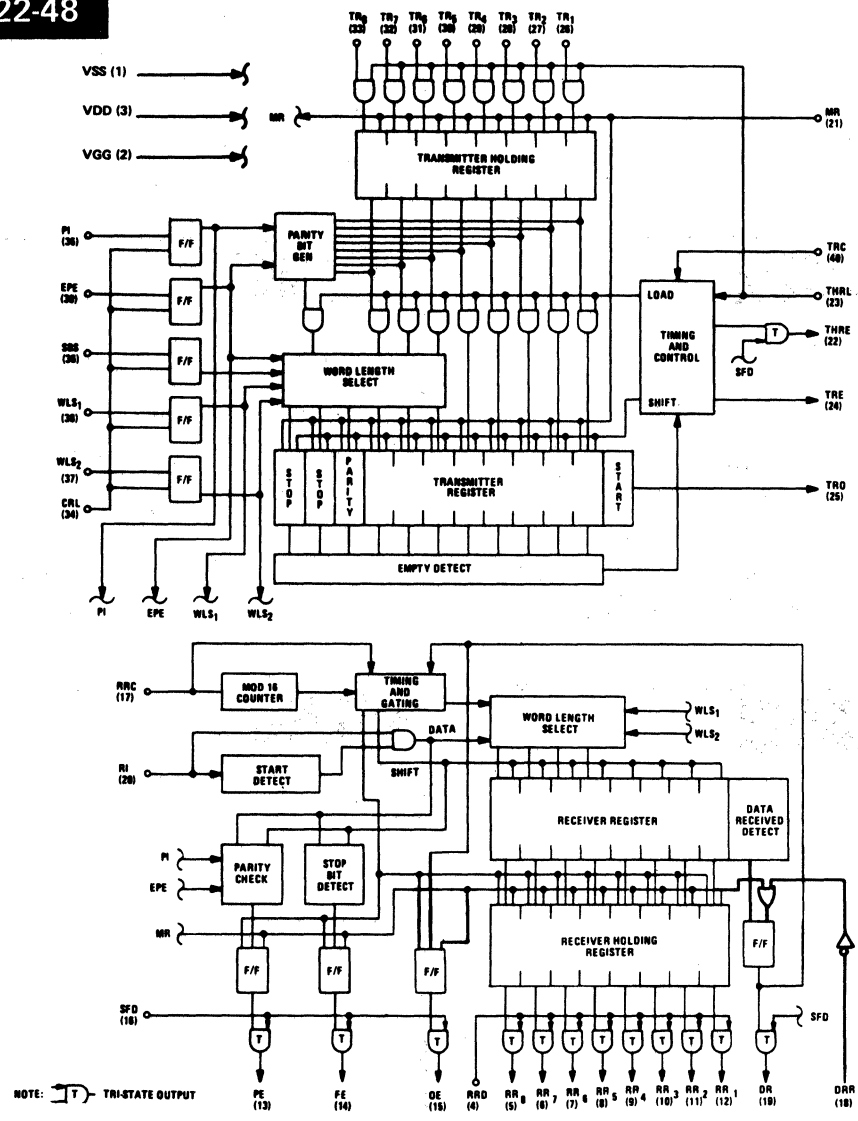
K22-46



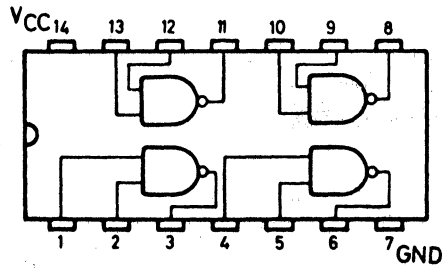
K22-47



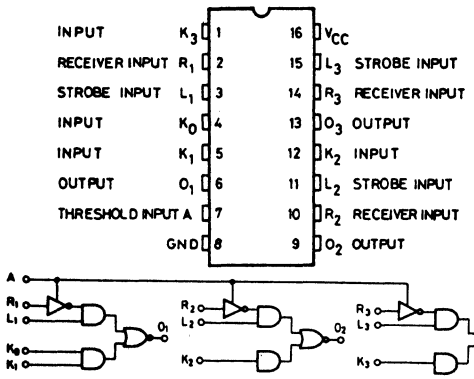
K22-48



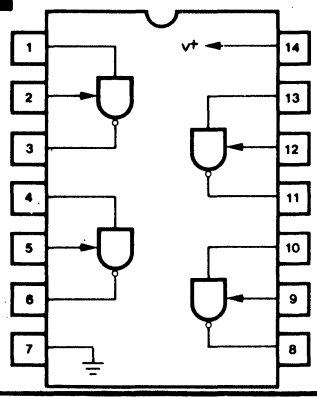
K22-49



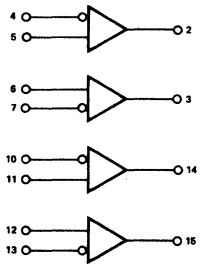
K22-50



K22-51

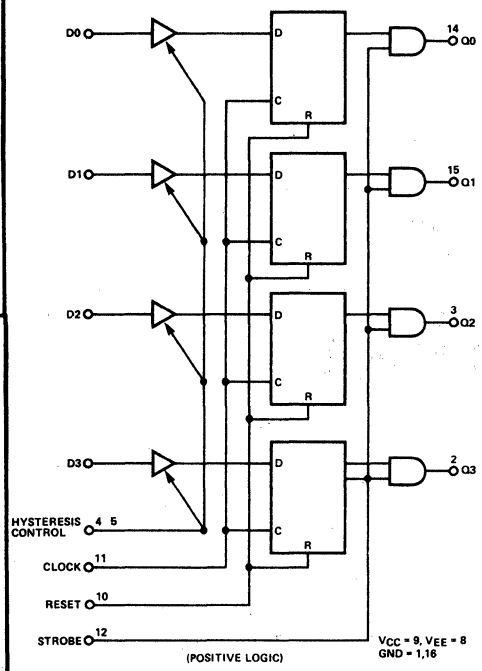


K22-52

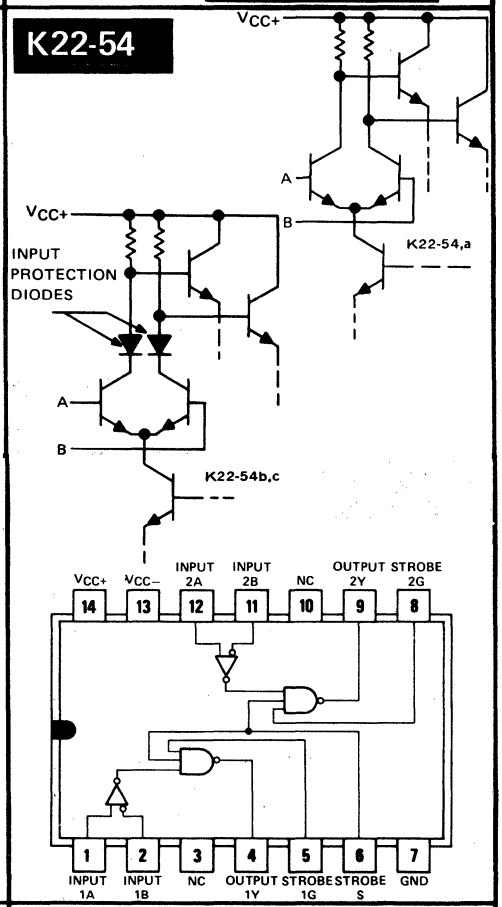


V_{CC} = 9, V_{EE} = 8, GND = 1,16

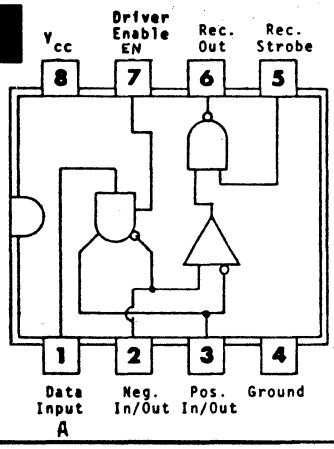
K22-53



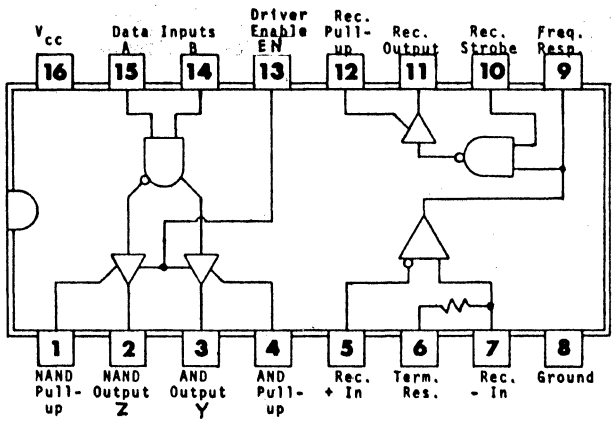
K22-54



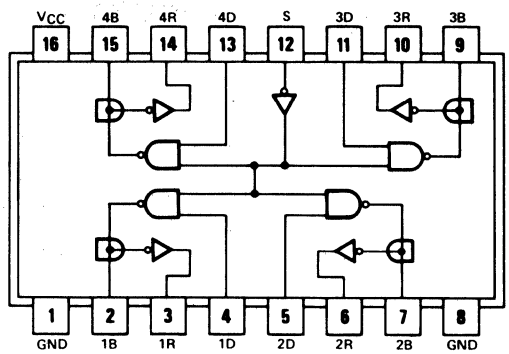
K22-55



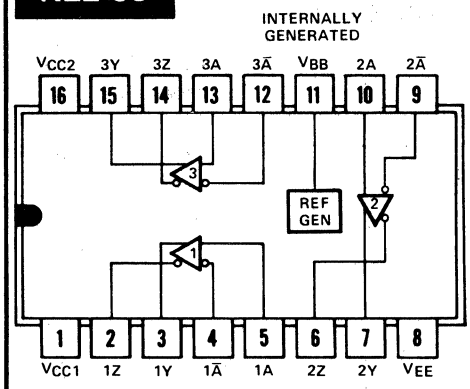
K22-56



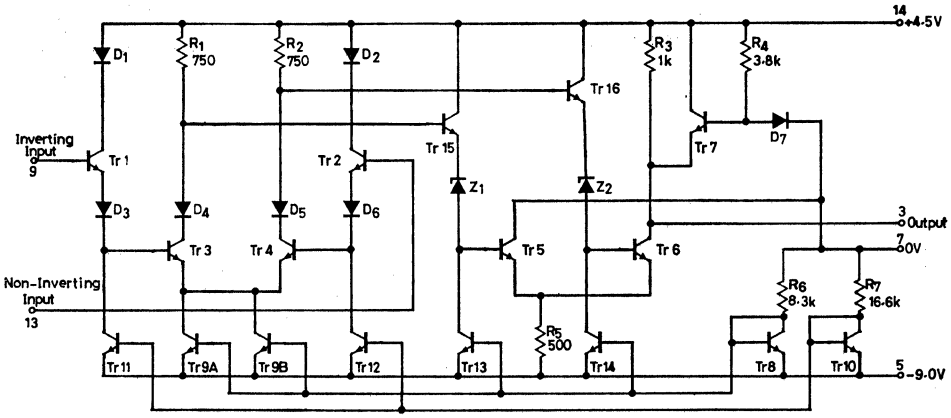
K22-57



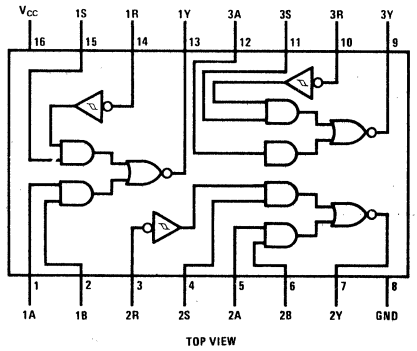
K22-58



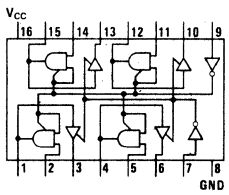
K22-59



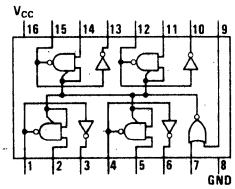
K22-60



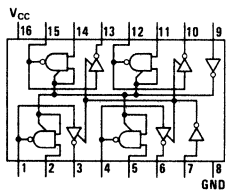
K22-61



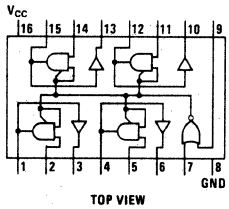
K22-62



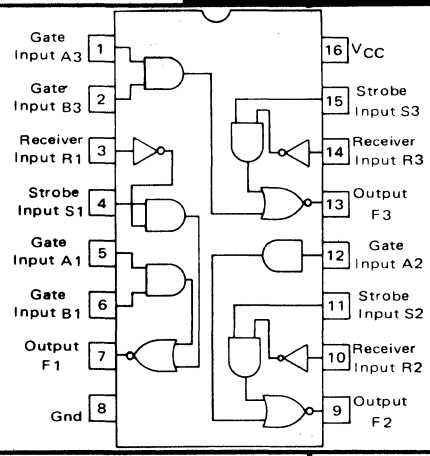
K22-63

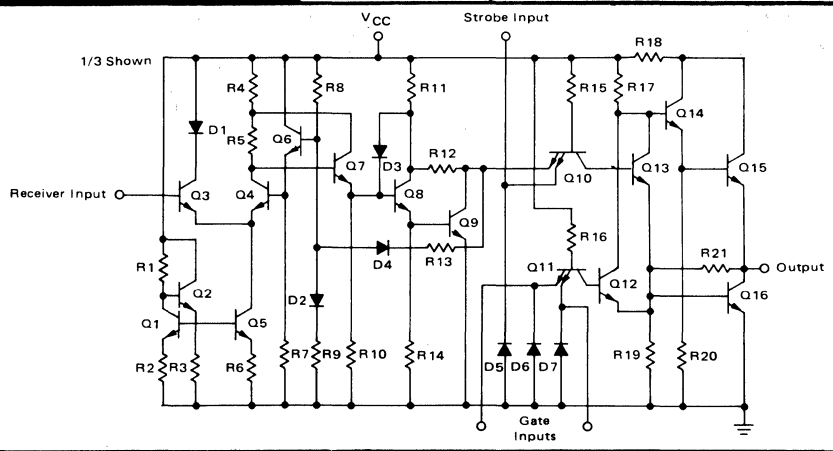


K22-64



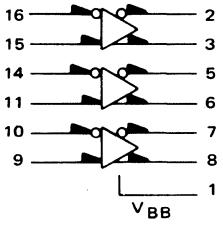
K22-65



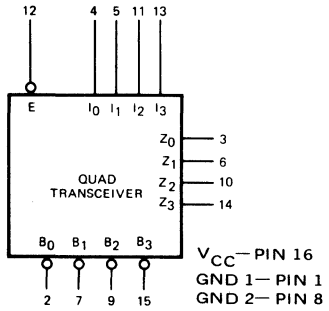


K22-66

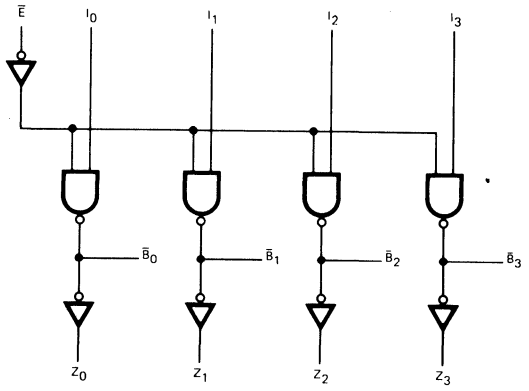
V_{CC} = Pin 4
V_{EE1} = Pin 12
V_{EE2} = Pin 13



K22-67

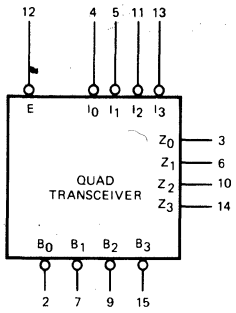


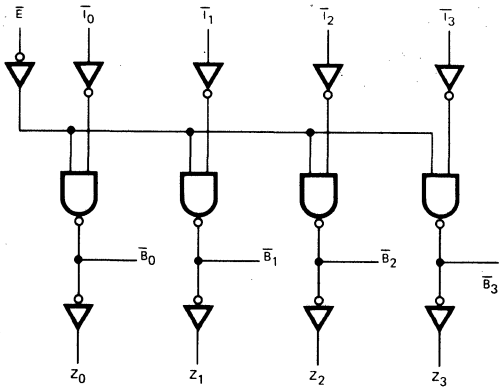
V_{CC} — PIN 16
GND 1 — PIN 1
GND 2 — PIN 8



K22-68

V_{CC} = Pin 16
GND_1 = Pin 1
GND_2 = Pin 8





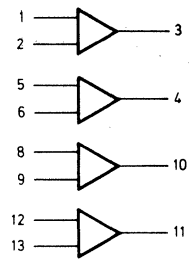
K22-69

SERDEX RECEIVER CARD SIGNAL AND PIN DESIGNATIONS

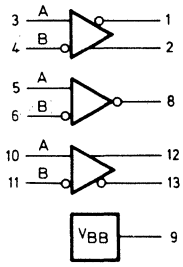
PIN	FUNCTION	MODULE PIN	MODULE PIN	FUNCTION	PIN
2	Ground		A20	1(LSB)	1
4	-15VDC		A14	2	3
6	Spare		A9	3 (1(LSB))	5
8	Spare		A3	4(MSB)	7
10	NC		A21	1	9
12	TTL IN	B13, D3 by W17	A15	2	11
14	TTL OUT	C14, C12 by W18	A10	3 (2)	13
16	+I OUT	D12	A4	4	15
18	-I OUT	D11	A22	1	17
20	Clock Out		A16	2	19
22	+I IN	D6	A11	3 (3)	21
24	-I IN	D2	A5	4	23
26	Spare		A23	1	25
28	NC		A17	2	27
30	Spare		A12	3 (4)	29
32	NC		A6	4	31
34	Spare		B24	1	33
36	NC		B16	2	35
38	NC		B12	3 (5)	37
40	Spare		B6	4	39
42	Spare		B23	1	41
44	NC		B17	2	43
46	NC		B11	3 (6)	45
48	NC		B5	4	47
50	Spare		B22	1	49
52	NC		B19	2	51
54	? Cont. Charac.	B1	B10	3 (7)	53
56	* Cont. Charac.	B2	B4	4	55
58	, Cont. Charac.	B3	B21	1	57
60	! Cont. Charac.	B7	B20	2	59
62	% Cont. Charac.	B8	B14	3 (8(MSD))	61
64	/ Cont. Charac.	B9	B15	4	63
66	Clear	C20	C11	Bit 7-Rec. Reg. Output	65
68	Ready	C19	C13	Bit 6-Rec. Reg. Output	67
70	$\overline{\text{Ready}}$	C18	D14	Shift	69
72	+5VDC		D10	Bit 5-Rec. Reg. Output	71

DATA INPUTS

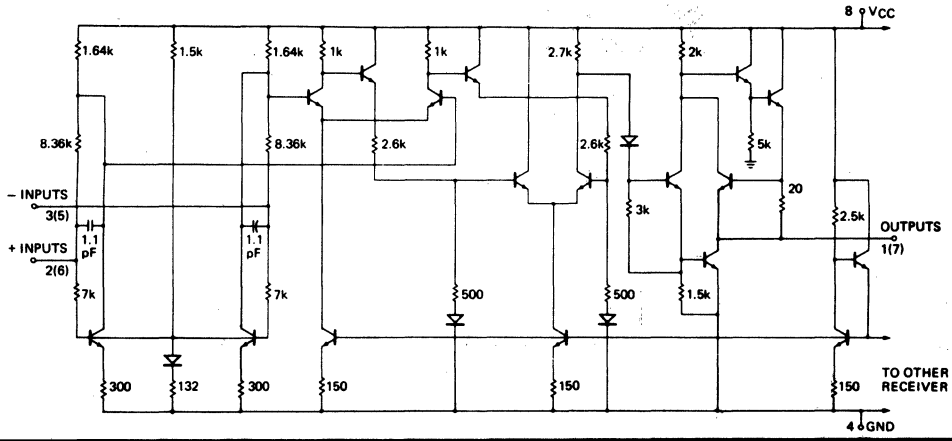
K22-70



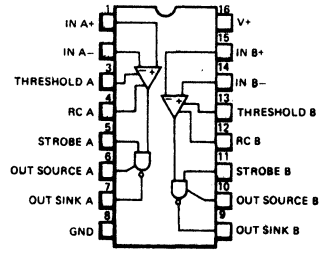
K22-71



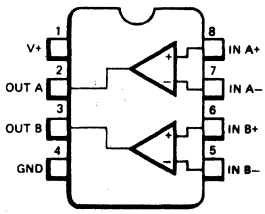
K22-72



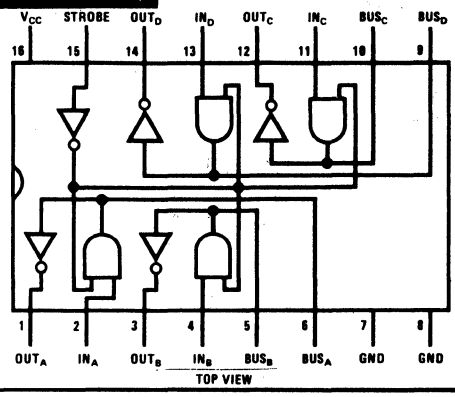
K22-73



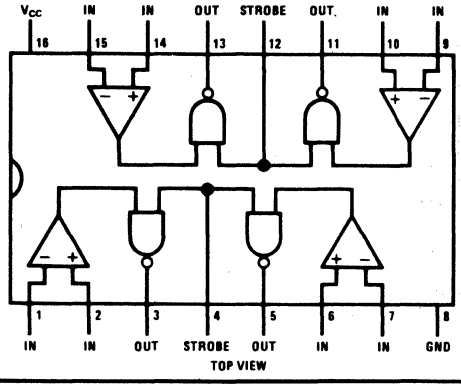
K22-74



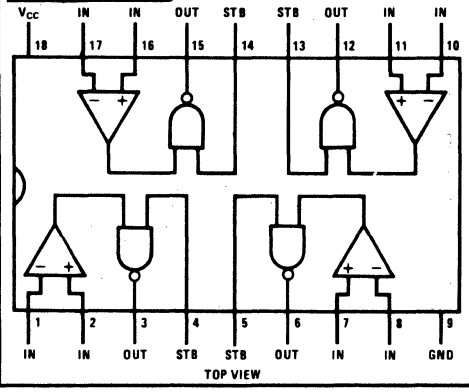
K22-75



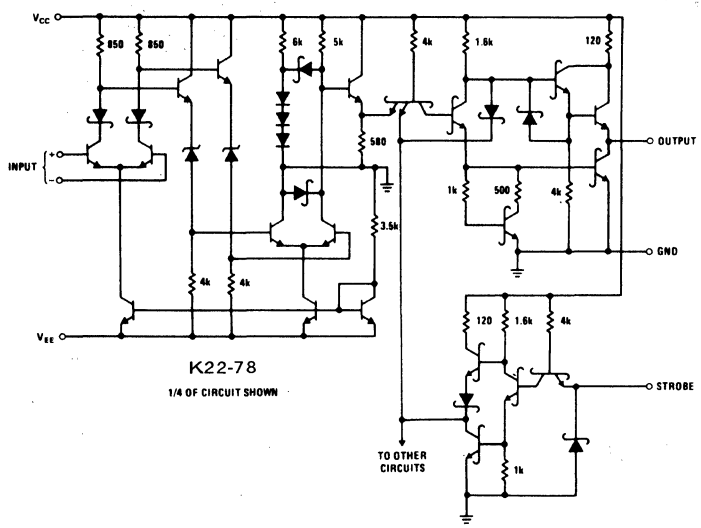
K22-76



K22-77

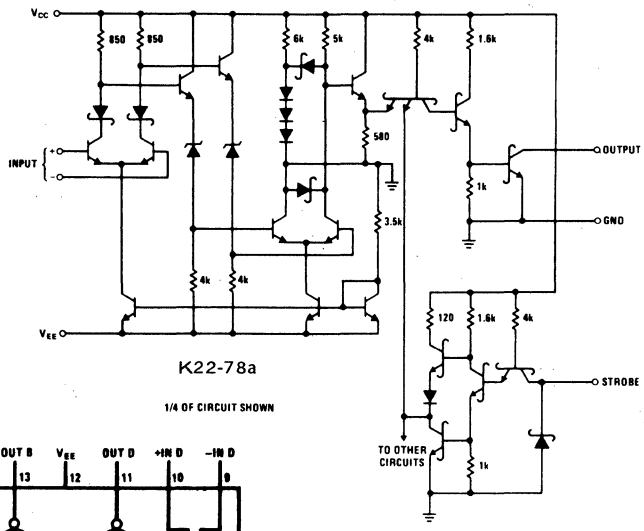


K22-78



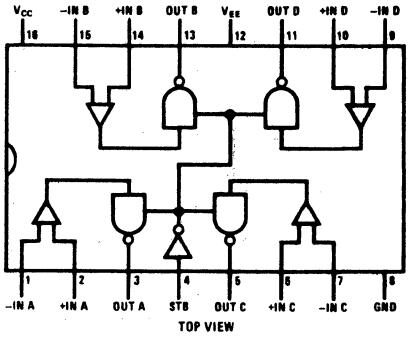
K22-78

1/4 OF CIRCUIT SHOWN



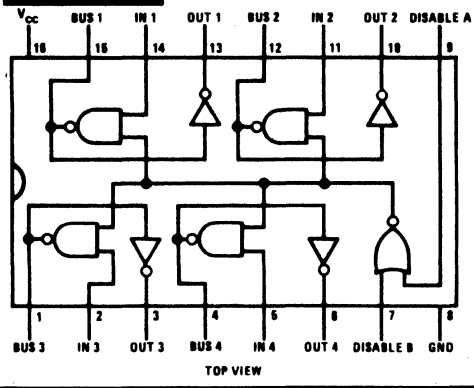
K22-78a

1/4 OF CIRCUIT SHOWN



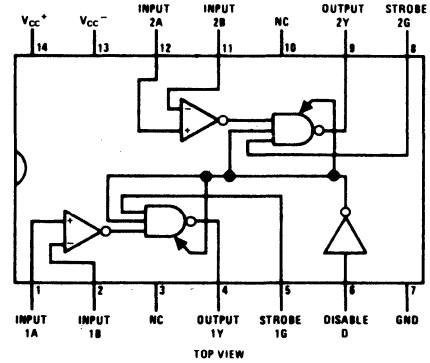
TOP VIEW

K22-79



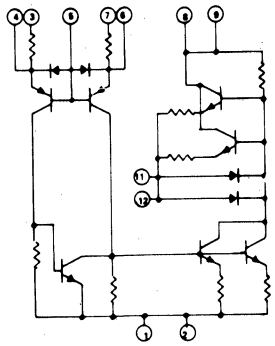
TOP VIEW

K22-80

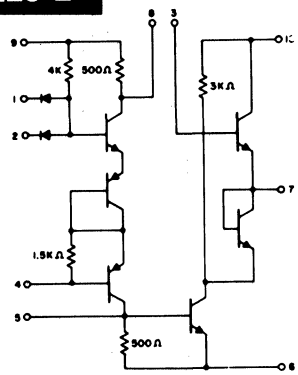


TOP VIEW

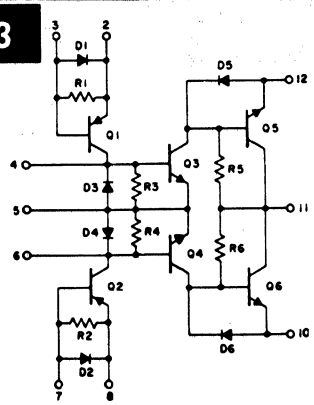
K23-1



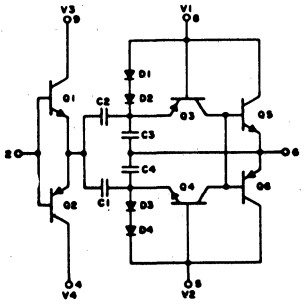
K23-2



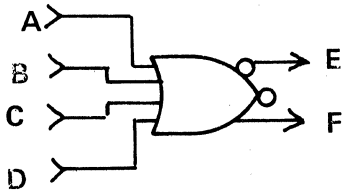
K23-3



K23-4

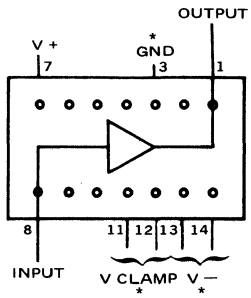


K23-5



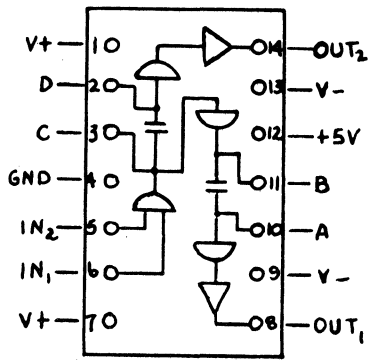
	CKT NO	A	B	C	D	E	F
K23-5	1	2	3	4	5	6	1
	2	9	10	11	12	8	13
K23-5a	1	4	5	6		3	2
	2	8	9	10	11	12	13

K23-6

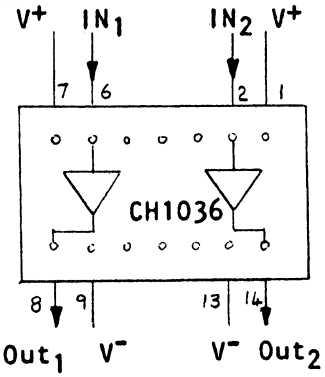


K23-6a — * CONNECTIONS NOT INCLUDED

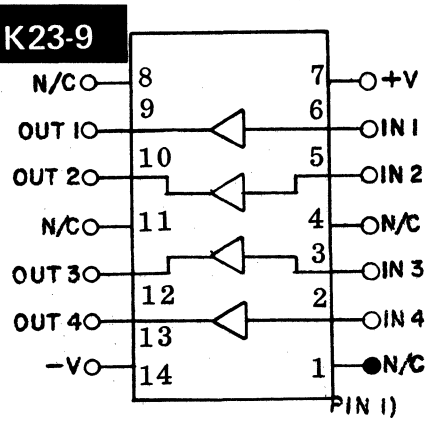
K23-7



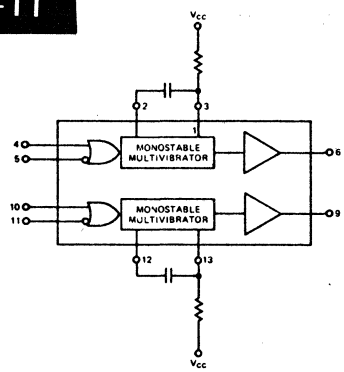
K23-8



K23-9

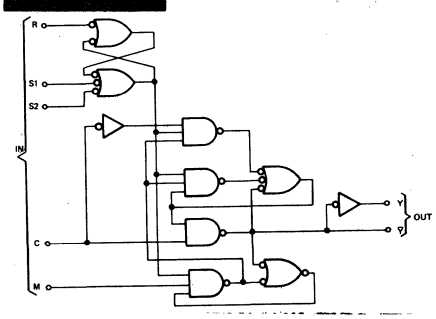


K23-11



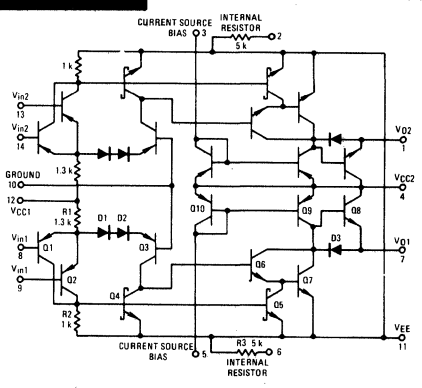
FOR K23-11a, PIN 10 IS CONNECTED LOW (LOGIC 0) INTERNALLY

K23-12



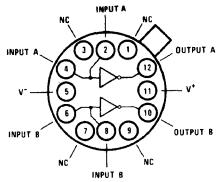
	CKT	R	S1	S2	C	M	Y	Y	GND	VCC
K23-12	1	4	2	3	5	1	6	7	8	16
	2	12	13	14	11	15	10	9		

K23-13

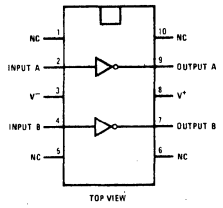


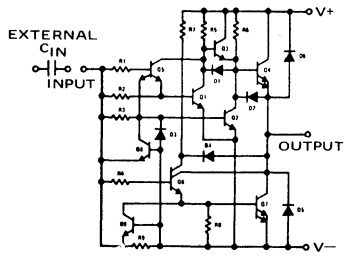
K23-15

K23-15 ONLY
Metal Can Package



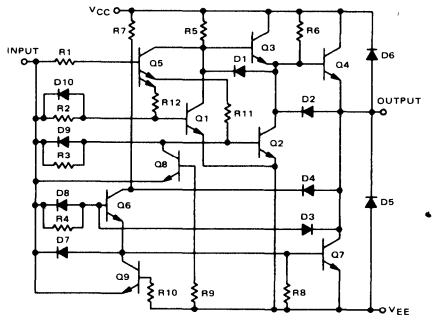
K23-15 ONLY
Flat Package



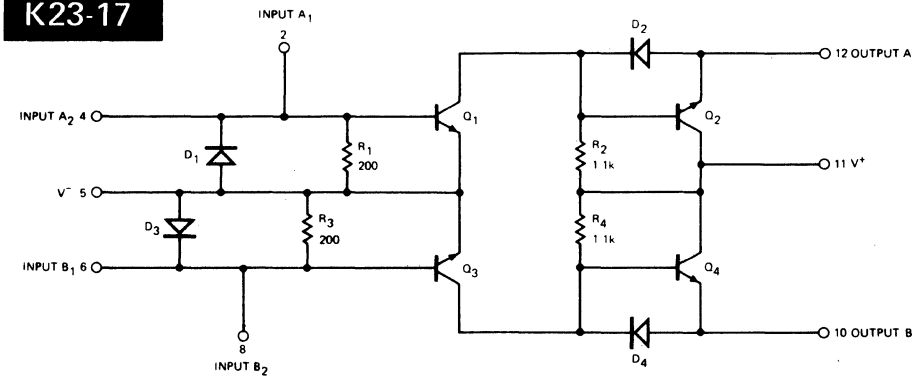


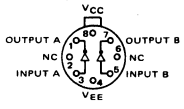
	PKG	CKT	INP	OUTP	V	V-
K23-15	CN	1	3	1	8	4
		2	5	7		
	MP	1	2	7	6	3
		2	4	5		
K23-15a	CN	1	4	12	11	5
		2	6	10		

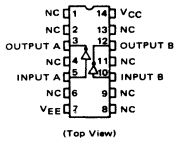
K23-16

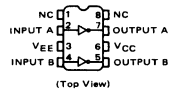


K23-17

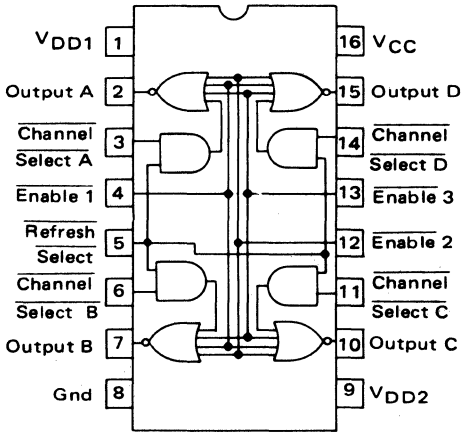




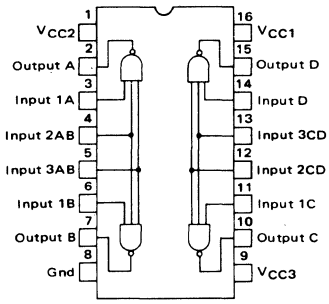




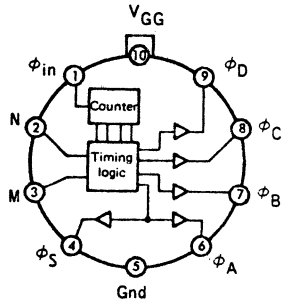
K23-18



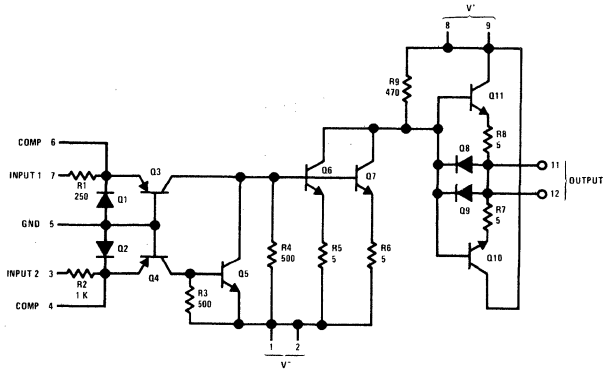
K23-19



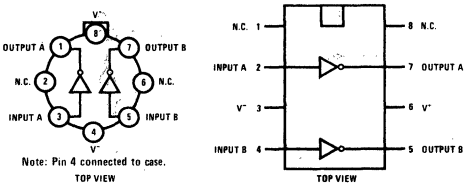
K23-20



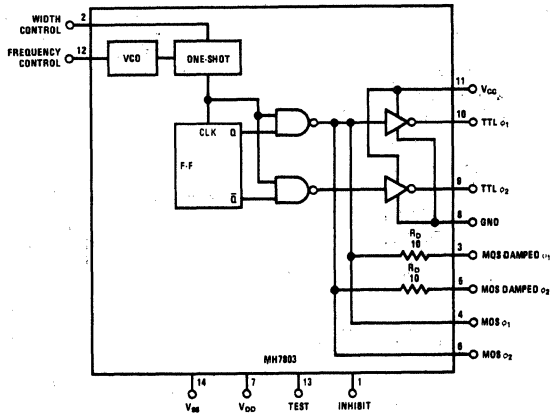
K23-21



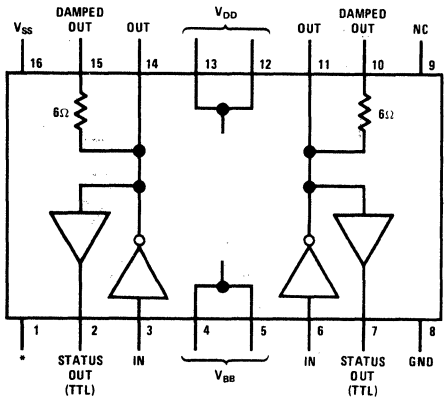
K23-22



K23-23

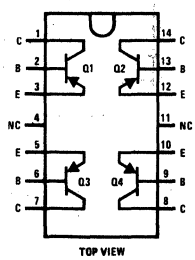


K23-24

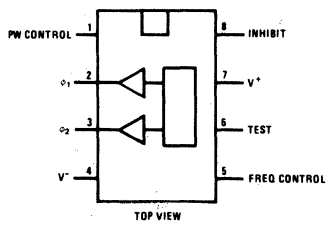


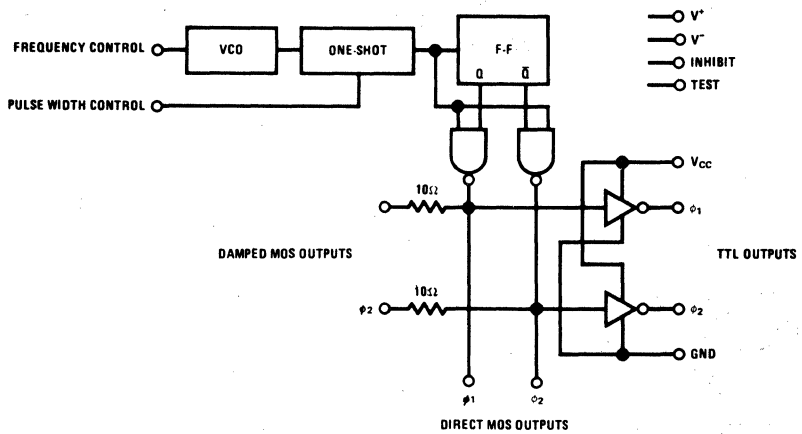
*DO NOT CONNECT TO THIS PIN.

K23-25

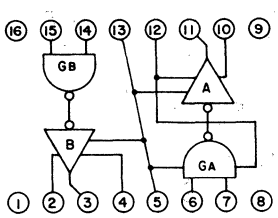


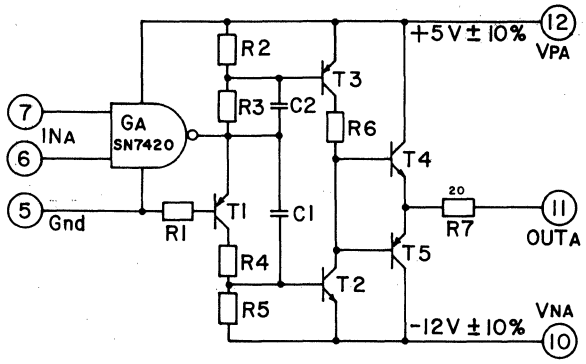
K23-26





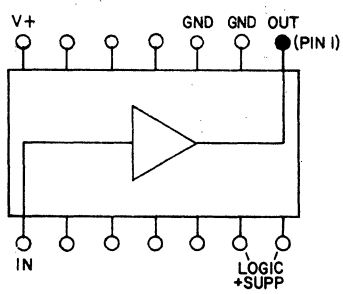
K23-27



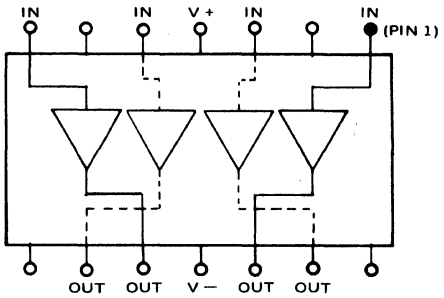


One Half of Circuit Diagram

K23-28

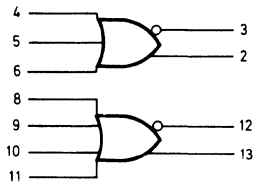


K23-29

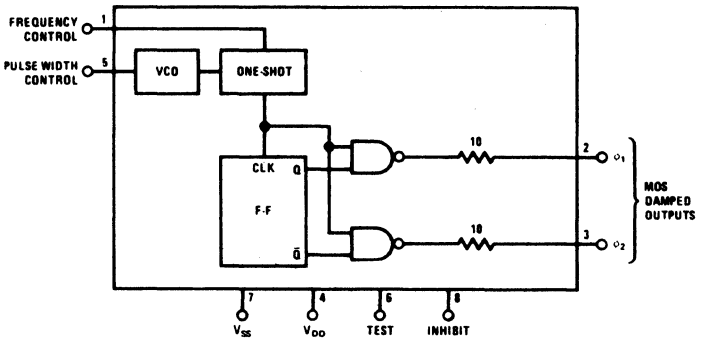


K23-29a — INCLUDES DOTTED PORTION.

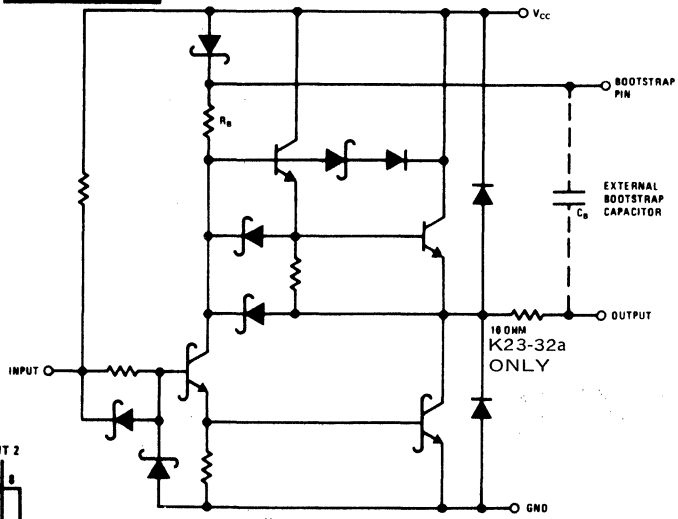
K23-30

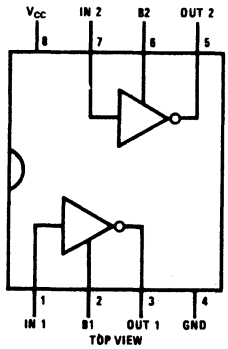


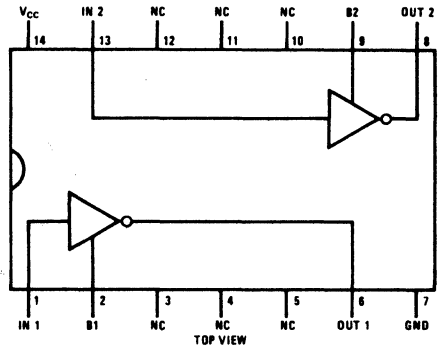
K23-31

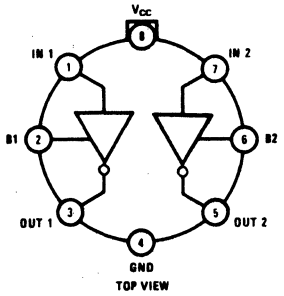


K23-32

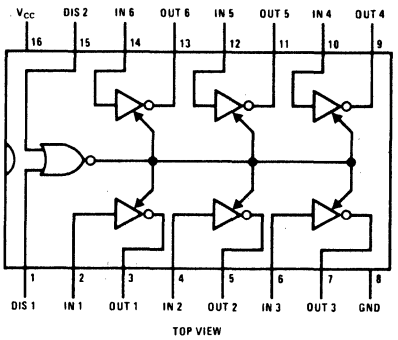


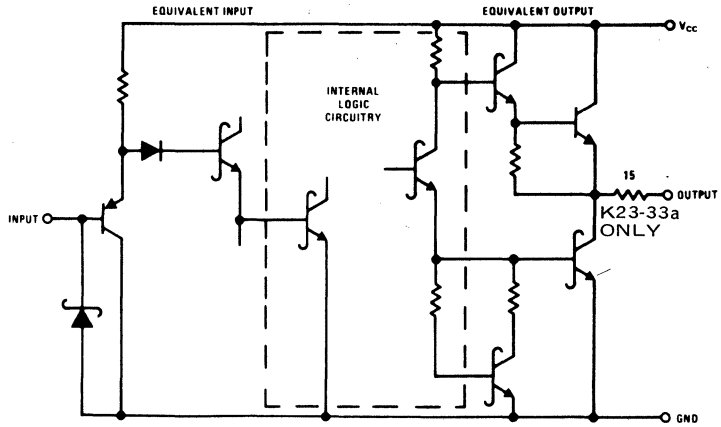




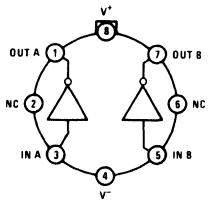


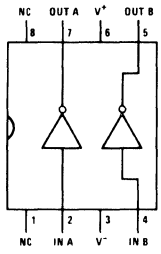
K23-33

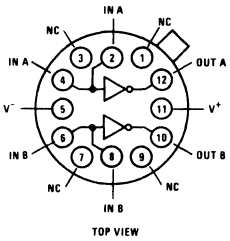


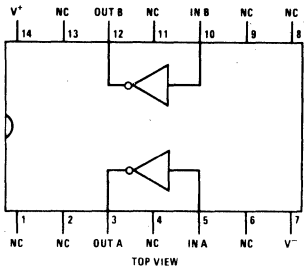


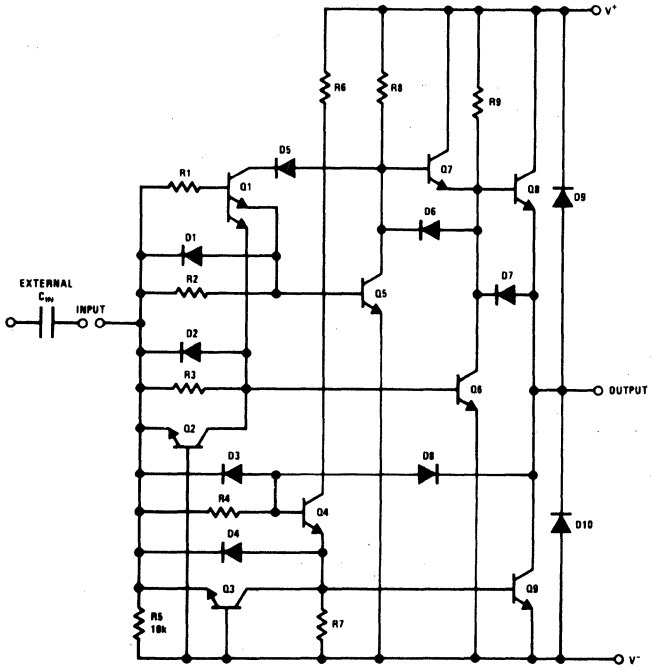
K23-34



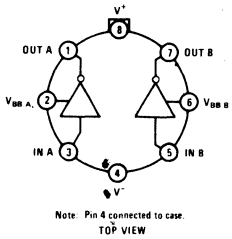




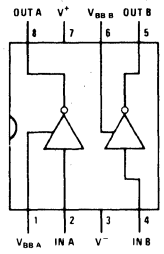




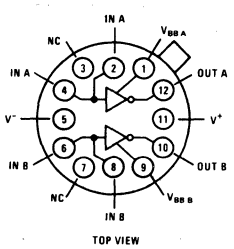
K23-35



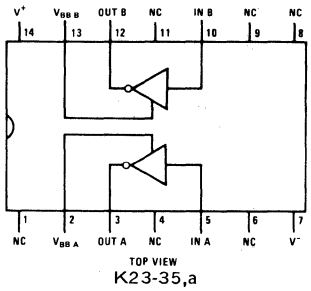
K23-35,a



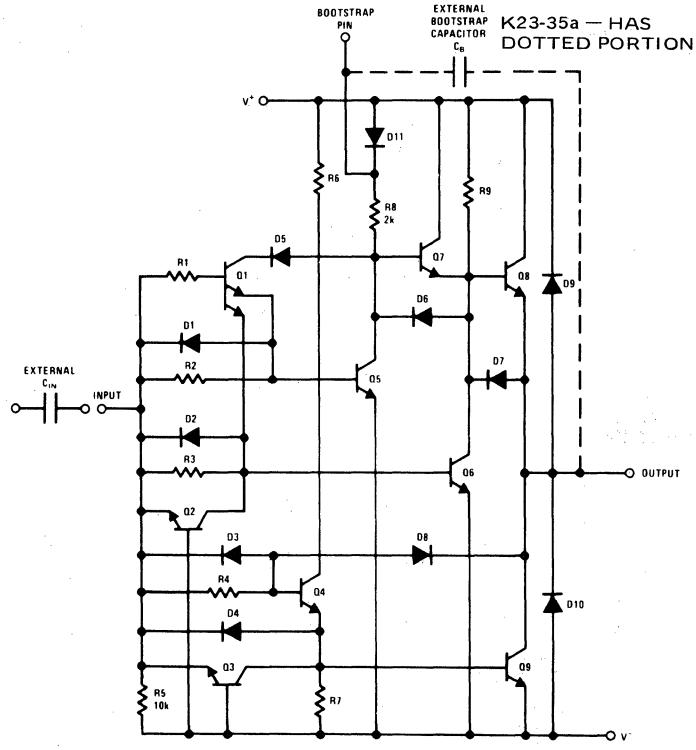
K23-35,a



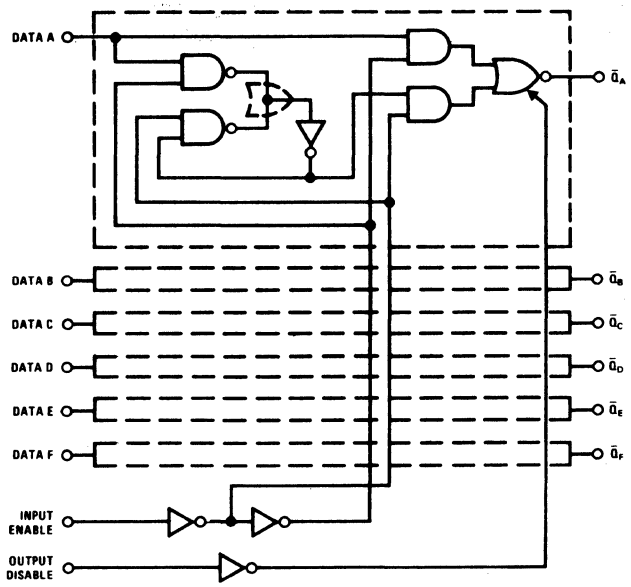
K23-35

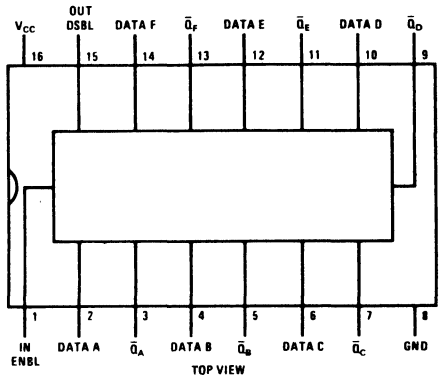


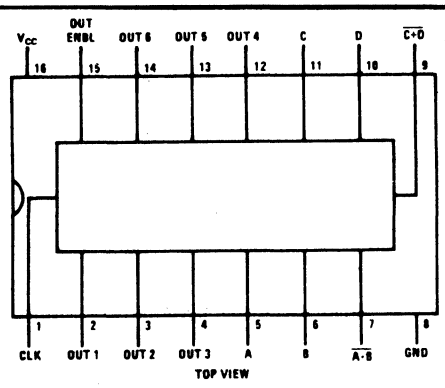
K23-35,a



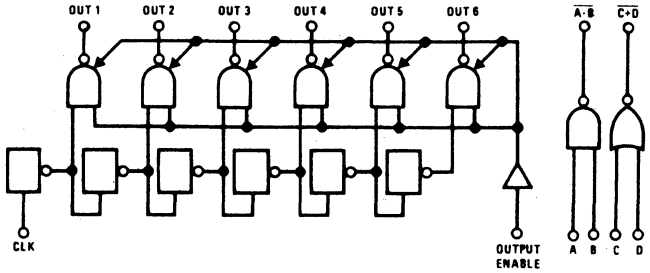
K23-36

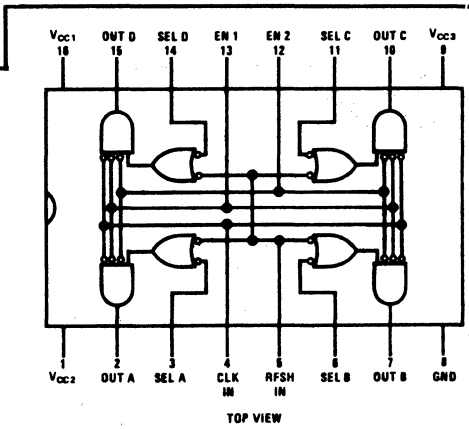




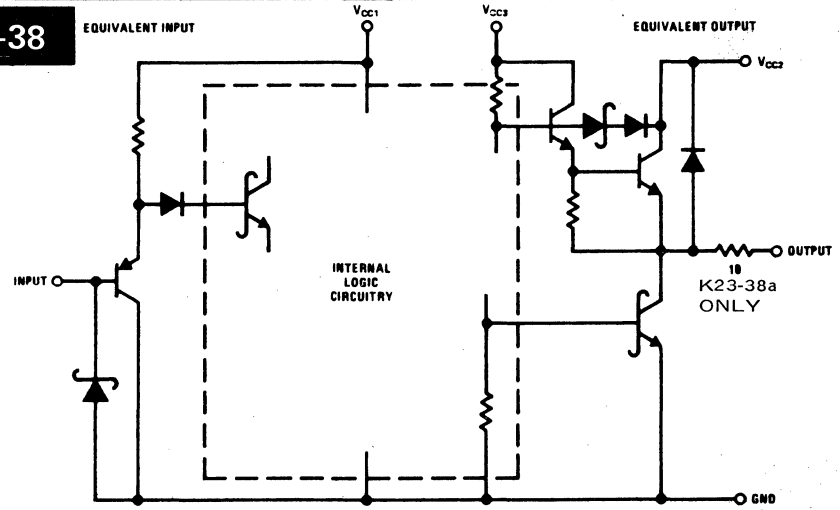


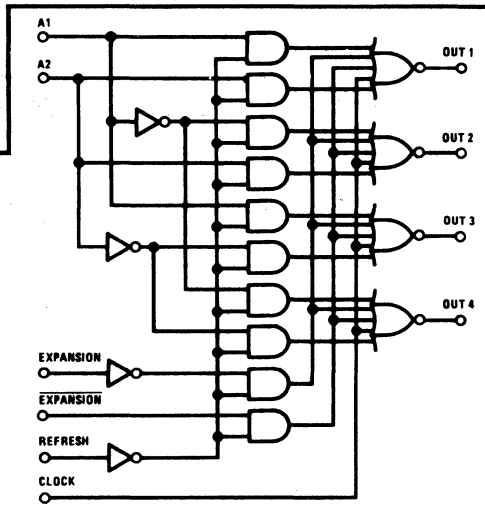
K23-37



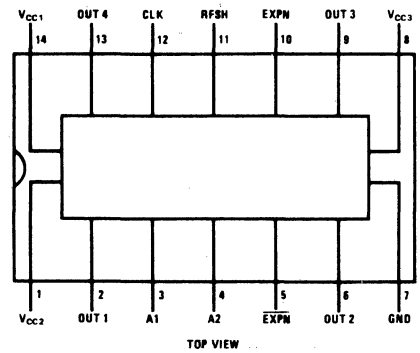


K23-38





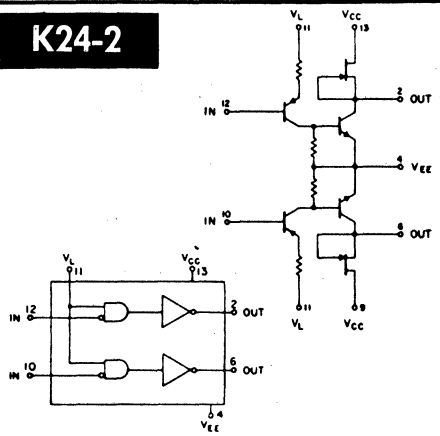
K23-39



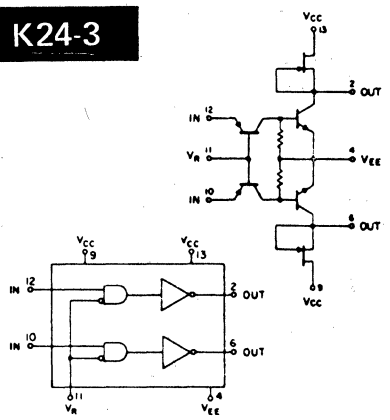
SECTION 12. LOGIC DRAWING

IN DRAWING NUMBER SEQUENCE

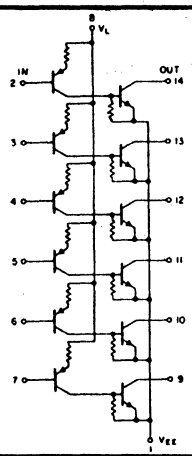
K24-2



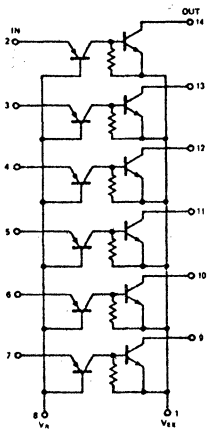
K24-3



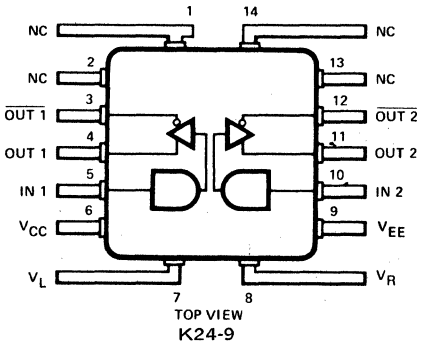
K24-7



K24-8

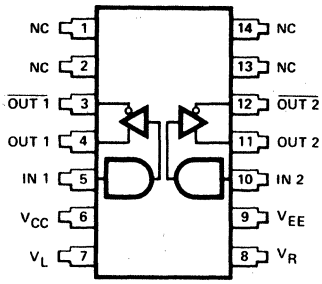


K24-9



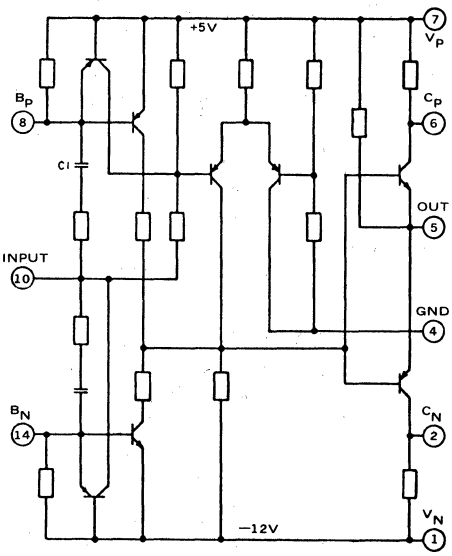
TOP VIEW
K24-9

Dual-In-Line Package

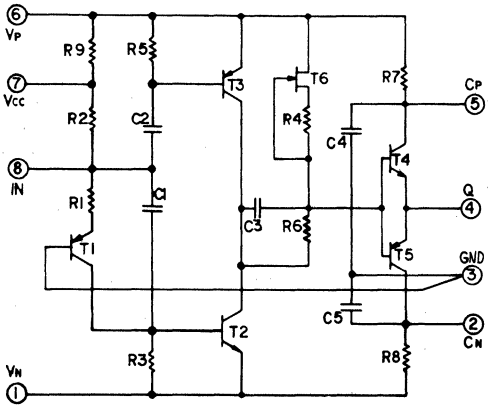


TOP VIEW
K24-9a

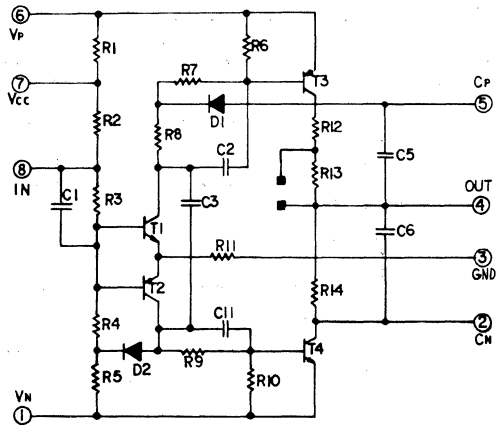
K24-10



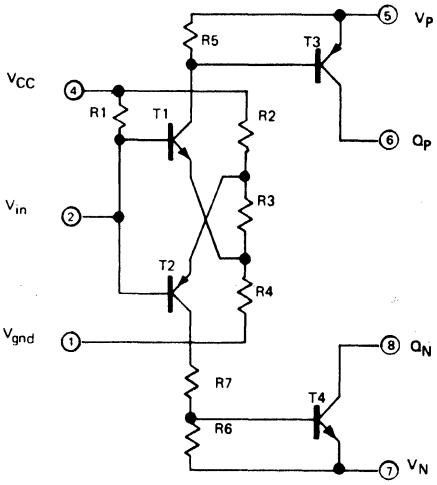
K24-11



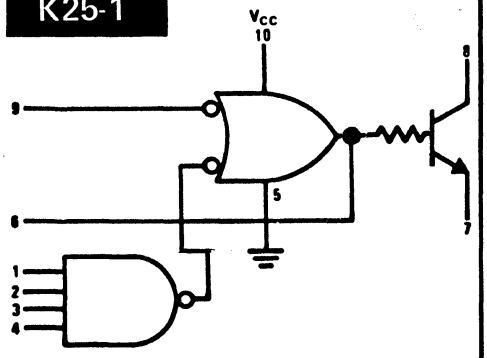
K24-12



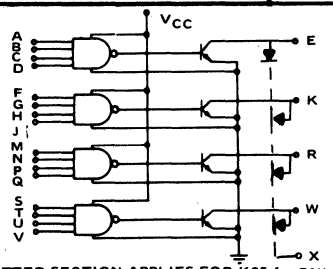
K24-13



K25-1



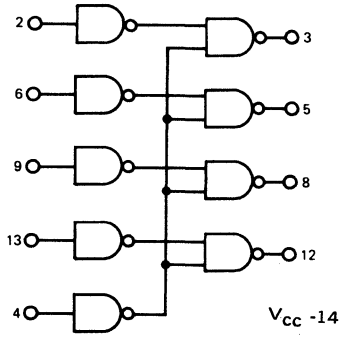
K25-2



DOTTED SECTION APPLIES FOR K25-f,g ONLY

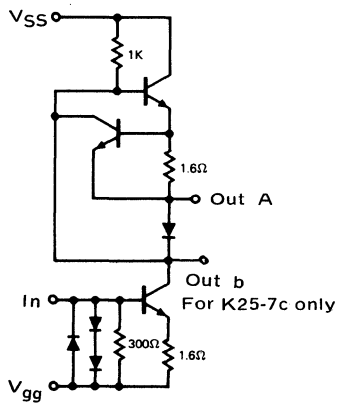
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	T	U	V	W	VCC	COM	X
K25-2	2	3			1	5	6			7	9	10			8	12	13			14	4	11	
K25-2a	1	2			3	6	7			5	9	10			8	12	13			14	4	11	
K25-2b	1	2			3	4	5			6	9	10			8	12	13			11	14	7	
K25-2c	1	12	13	14	2	6	7	8	9	10											4	11	
K25-2d	1	2	4	5	6	9	10	12	13	8											14	7	
K25-2e	2	3			1	5	6			4	8	9			10	11	12			13	14	7	
K25-2f	1	14			13	3	5			2	5	6			7	8	9			10	4	11	12
K25-2g	1	2			3	4	5			6	10	11			9	13	1			12	14	7	8
K25-2h	1	14	13	12	2	6	7	8	9	5											4	11	

K25-6



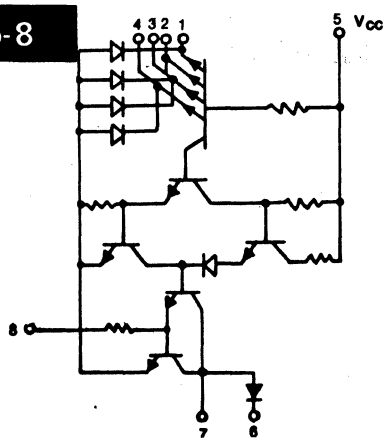
V_{CC} -14
GND-1

K25-7

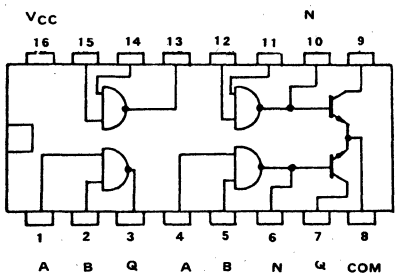


	PCKG	CKT	VSS	IN	VGG	OUT A	OUT B
K25-7	MP	1	14	6	7	1	
		2		5		3	
		3		8		12	
		4		9		10	
K25-7a	CN	1	11	2	5	1	
		2		4		12	
		3		6		10	
		4		8		9	
K25-7b	MP	1	14	5	7	3	
		2		10		12	
K25-7c	CN	1	11	4	5	12	2
		2		6		10	8

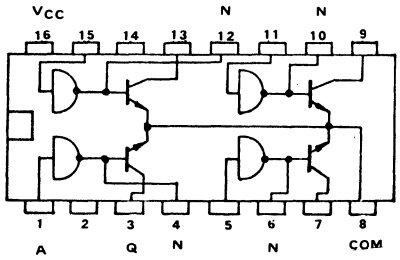
K25-8



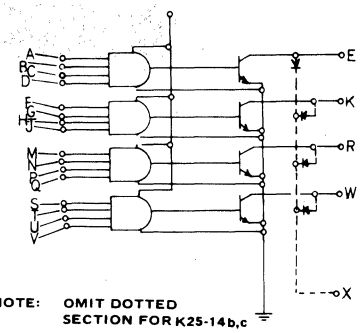
K25-12



K25-13



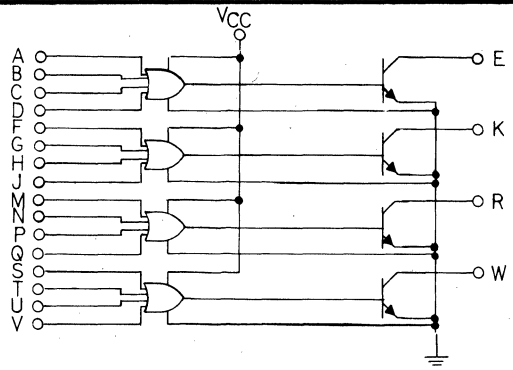
K25-14



NOTE: OMIT DOTTED SECTION FOR K25-14b,c

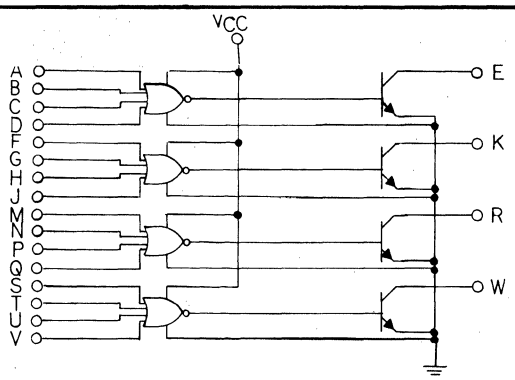
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	T	U	V	W	X	VCC	COM
K25-14	1	14			13	3	5			2	5	6			7	8	9			10	12	4	11
K25-14a	1	2			3	4	5			6	10	11			9	1	13			12	8	14	7
K25-14b	1	2			3	6	7			5	9	10			8	12	13			14		4	11
K25-14c	1	2			3	4	5			6	9	10			8	12	13			11		14	7

K25-15



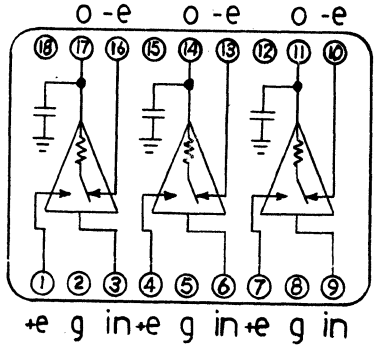
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	T	U	V	W	VCC	COM
K25-15	1	2			3	6	7			5	9	10			8	12	13			14	4	11
K25-15a	1	2			3	4	5			6	9	10			8	12	13			11	14	7

K25-16

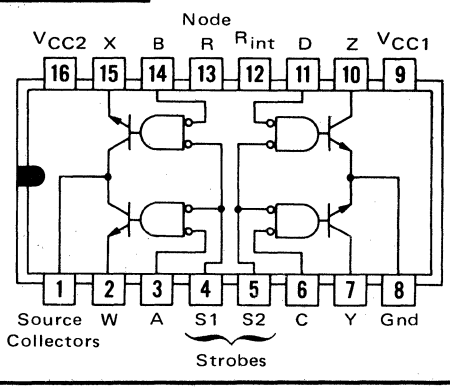


	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	T	U	V	W	VCC	COM
K25-16	1	2			3	6	7			5	9	10			8	12	13			14	4	11
K25-16a	2	3			1	5	6			4	8	9			10	11	12			13	14	7

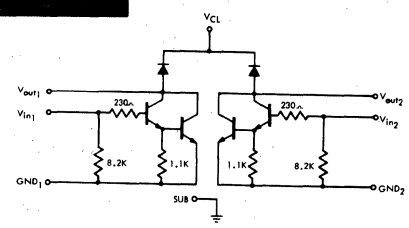
K25-17



K25-19

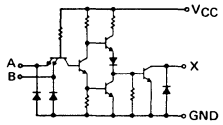


K25-20

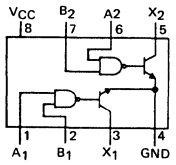


	PKG	VIN 1	VIN 2	VOUT 1	VOUT 2	GND 1	GND 2	VCL	SUB
K25-20	CN	4	12	6	10	3	1	8	7
	MP	3	12	2	13	4	10	14	7

K25-21

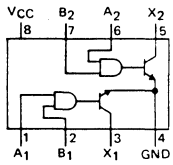


NOTE: 1/2 OF UNIT SHOWN

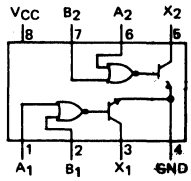


TOP VIEW

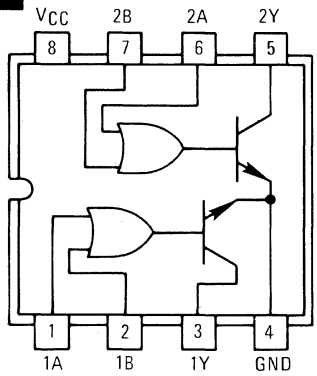
K25-22



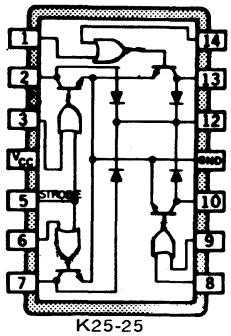
K25-23



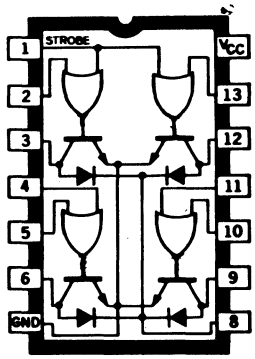
K25-24



K25-25

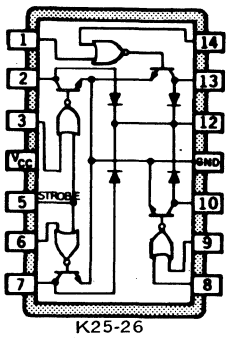


K25-25

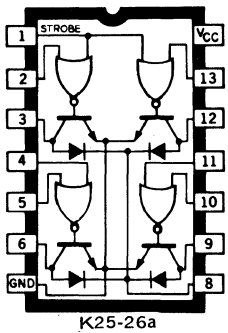


K25-25a

K25-26

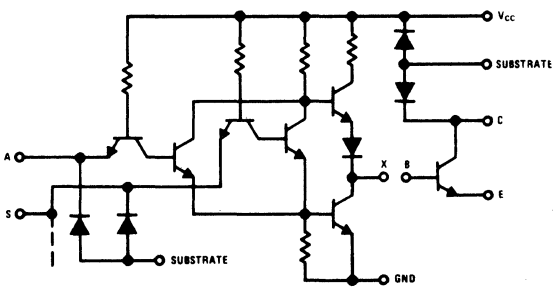


K25-26

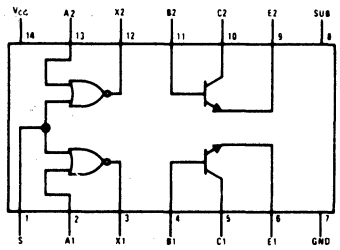


K25-26a

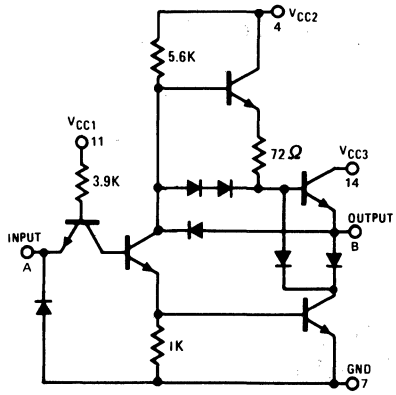
K25-27



Note: 1/2 of unit shown.

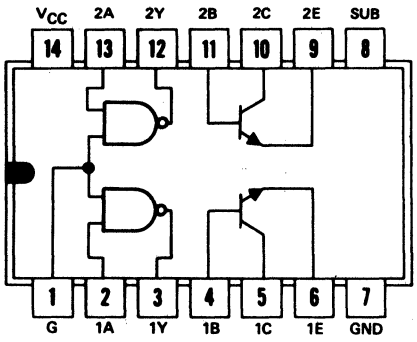


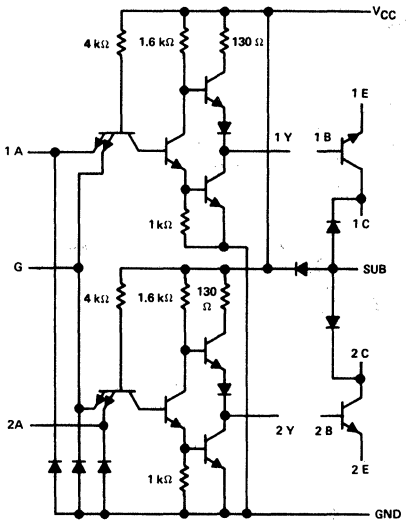
K25-28



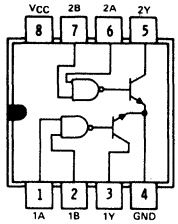
	CKT	A	B
K25-28	1	2	3
	2	6	5
	3	9	10
	4	13	12

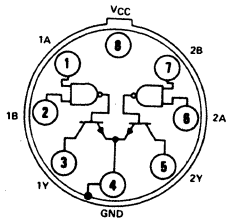
K25-29

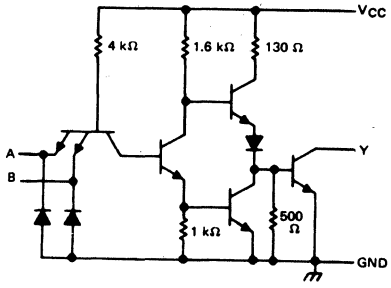




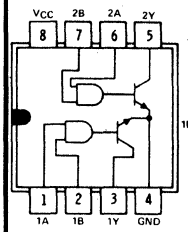
K25-30

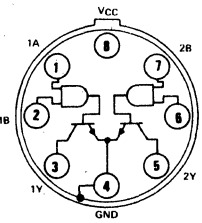


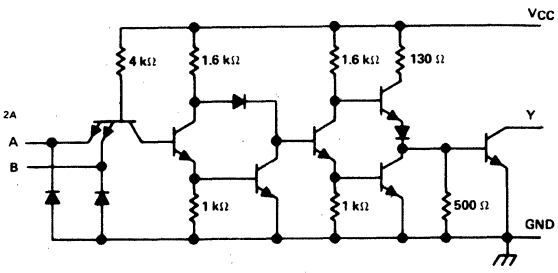




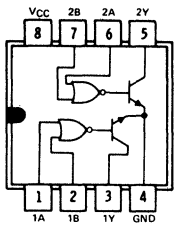
K25-31

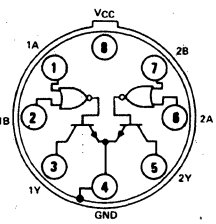


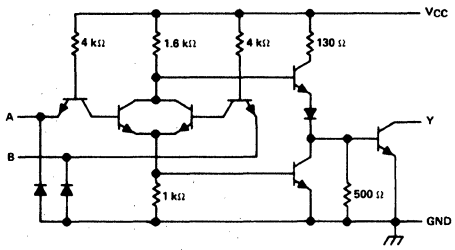




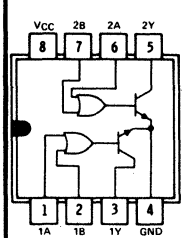
K25-32

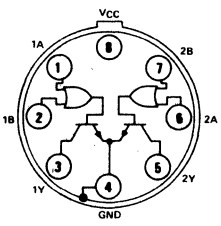


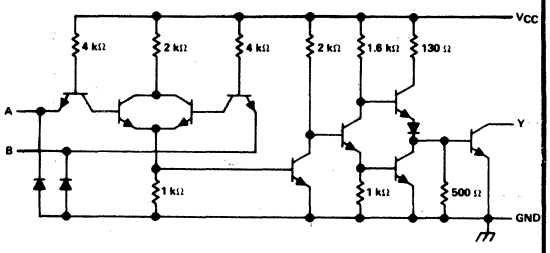




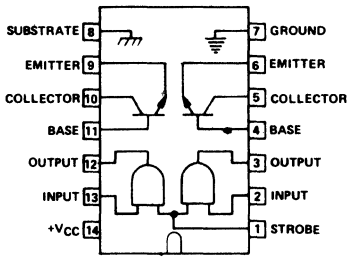
K25-33

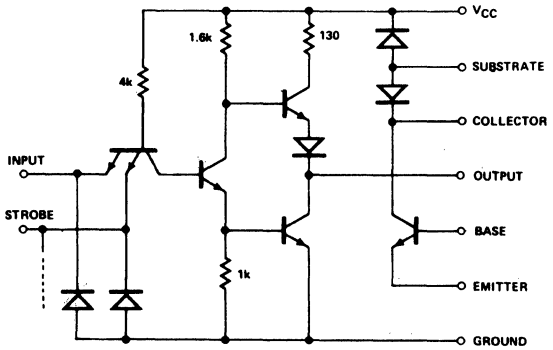




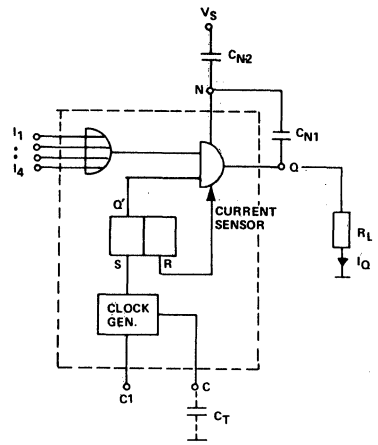


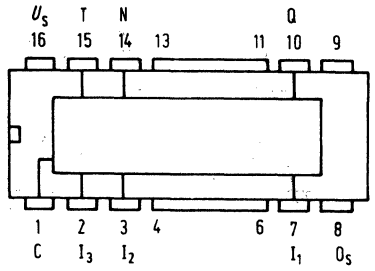
K25-34



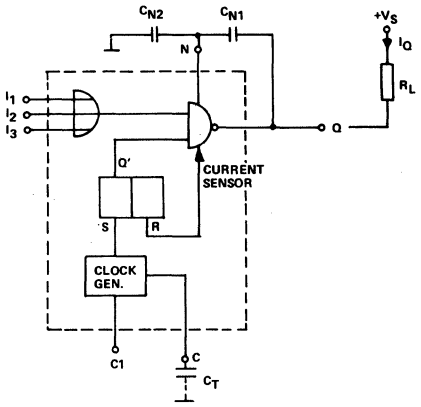


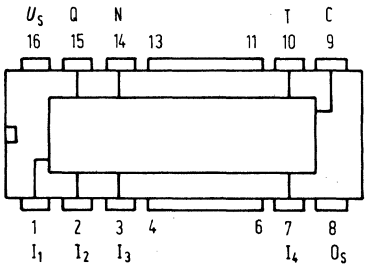
K25-35



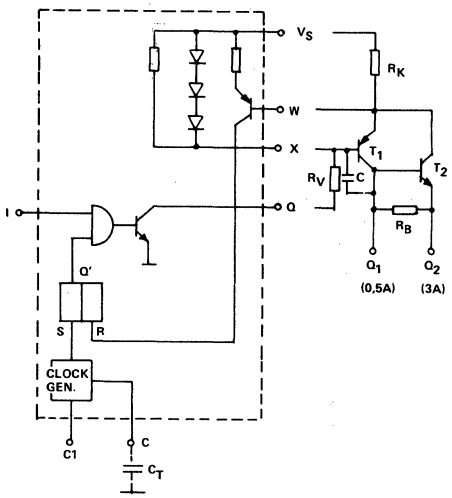


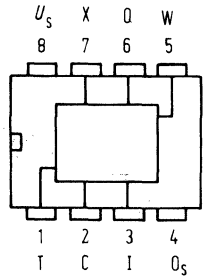
K25-36



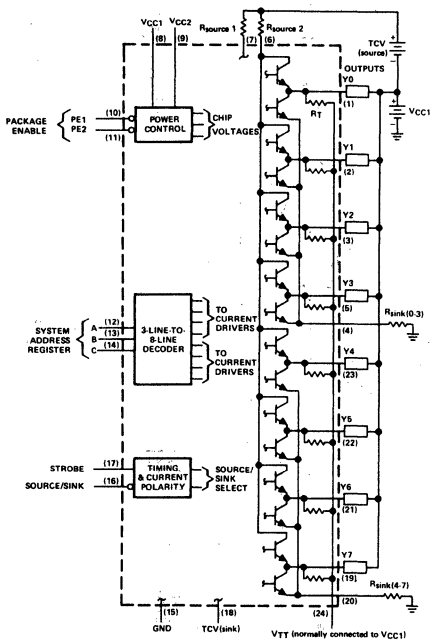


K25-37

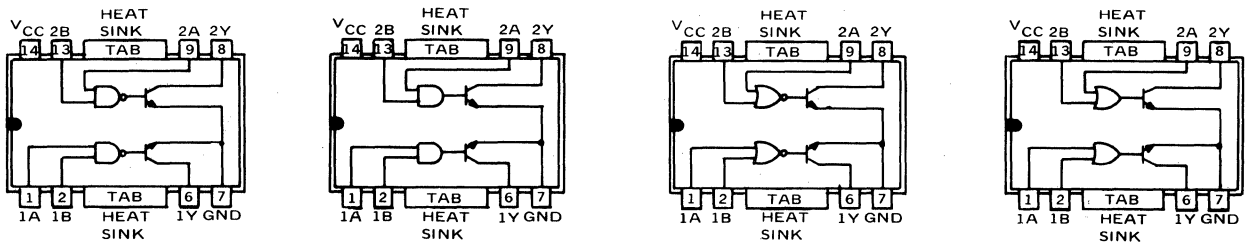




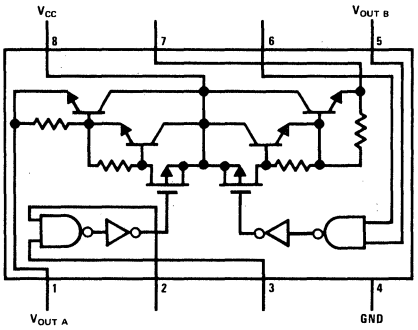
K25-39



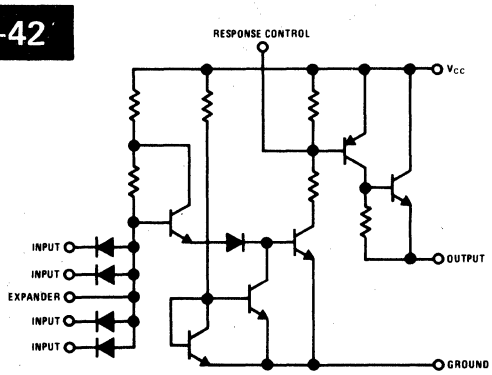
K25-40



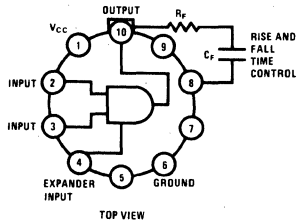
K25-41



K25-42

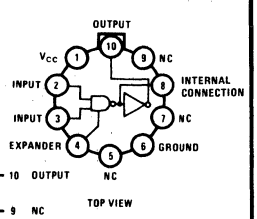


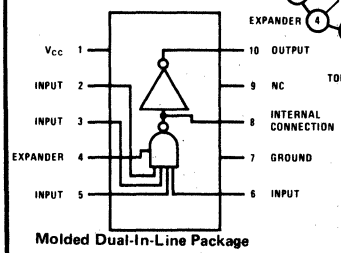
Metal Can Package



K25-43

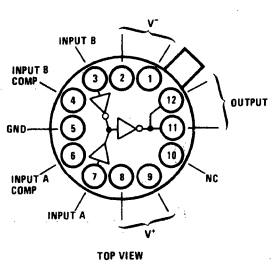
Metal Can Package



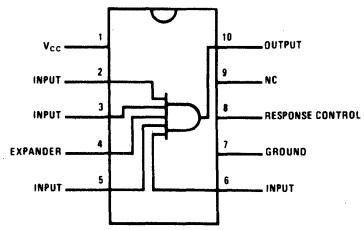


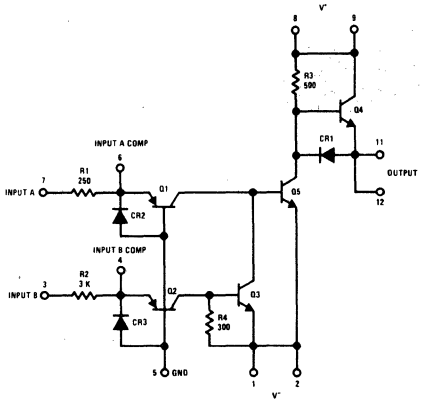
Molded Dual-In-Line Package

K25-44

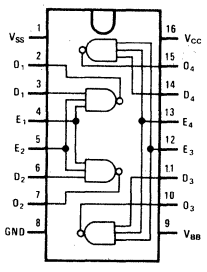


Dual-In-Line Package

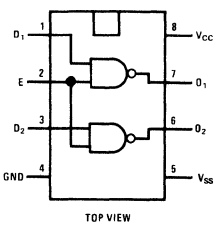




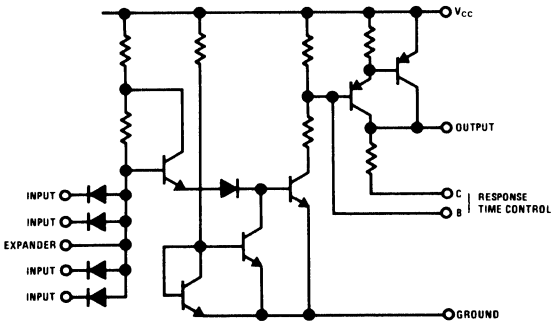
K25-46



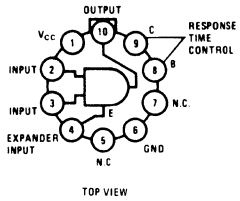
K25-47



K25-48

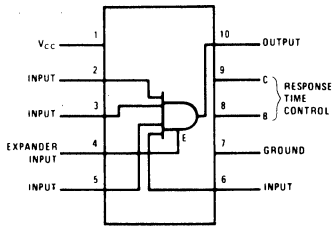


Metal Can Package

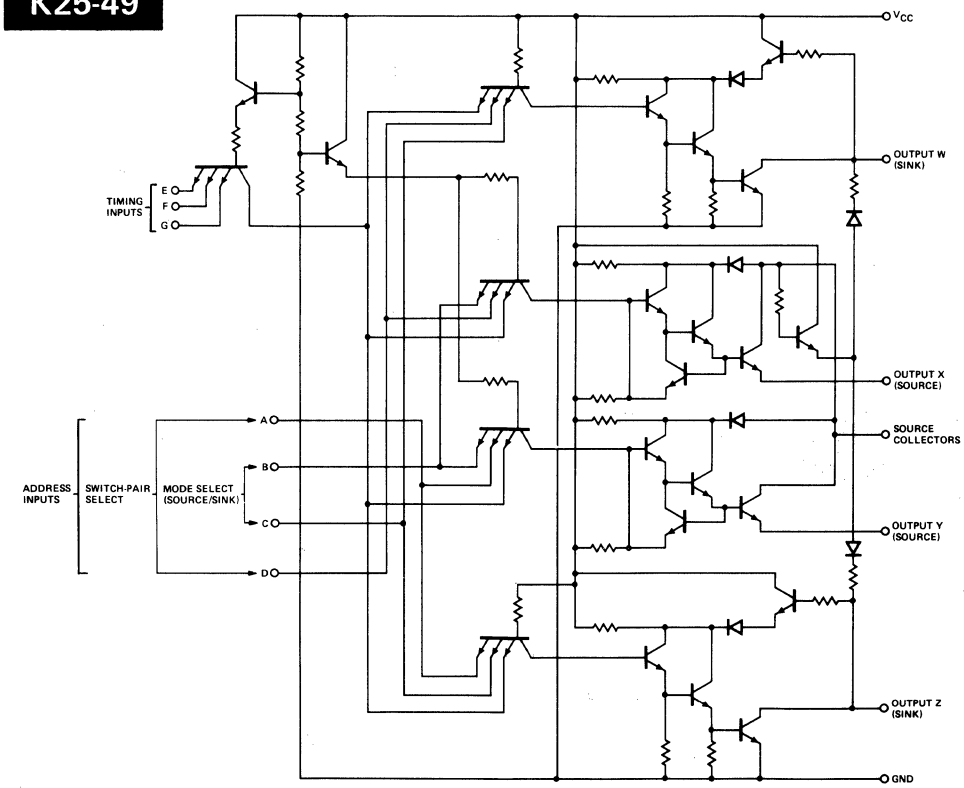


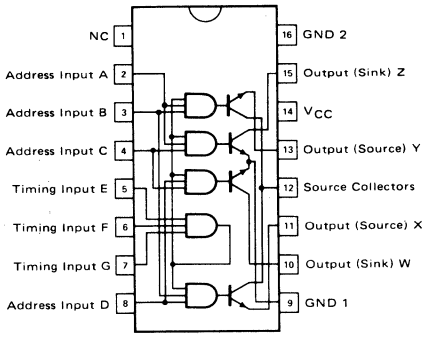
TOP VIEW

Dual-In-Line Package



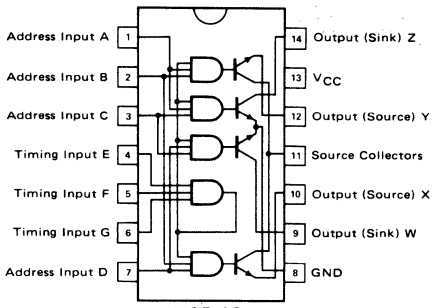
K25-49





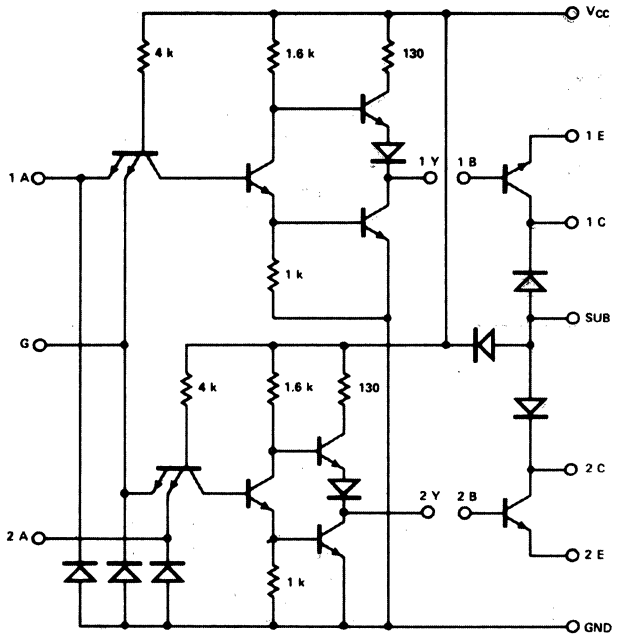
K25-49

GND 1 AND GND 2 ARE TO BE USED IN PARALLEL.

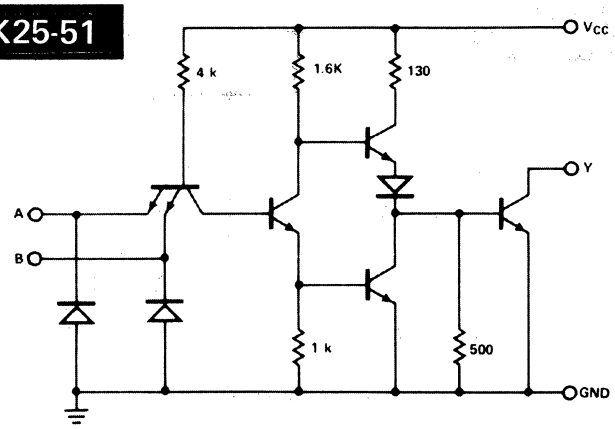


K25-49a

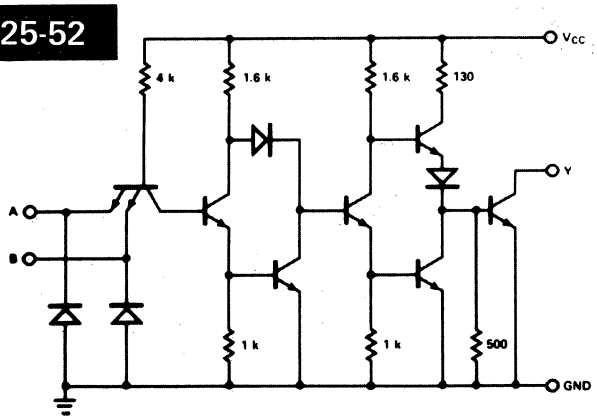
K25-50



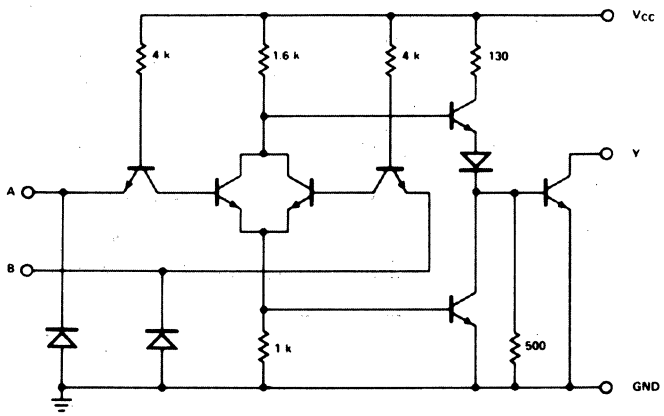
K25-51



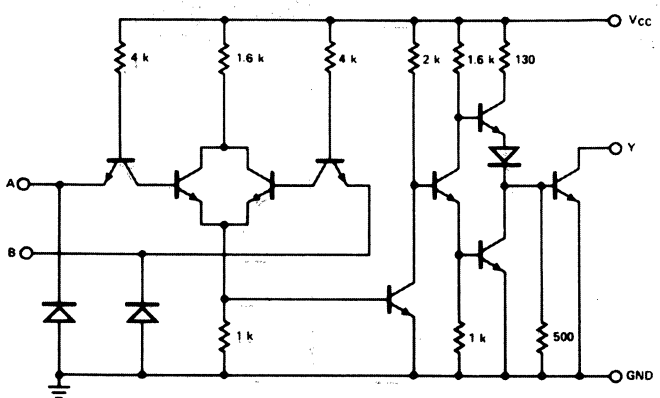
K25-52



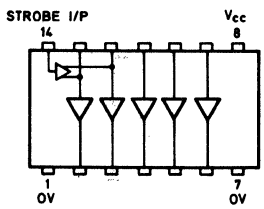
K25-53



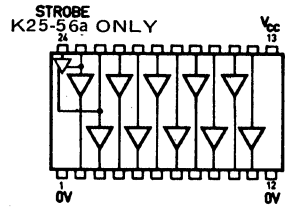
K25-54



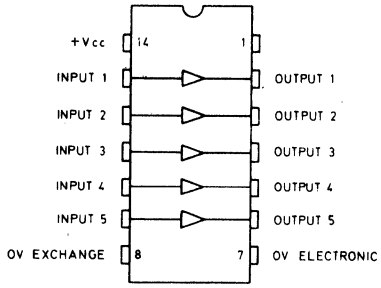
K25-55



K25-56



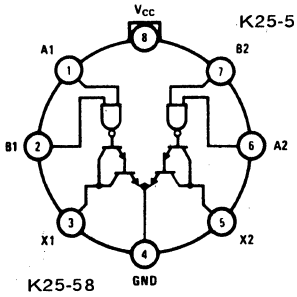
K25-57



K25-58

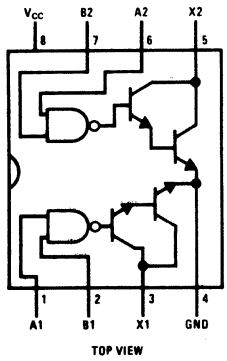
K25-58a — HAS NAND LOGIC
K25-58b — K25-58 INVERTED VERSION
K25-58c — K25-58a INVERTED VERSION

Metal Can Package

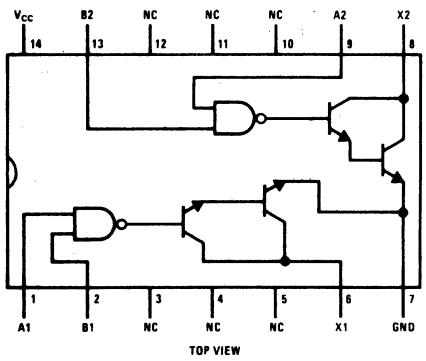


(Pin 4 is electrically connected to the case.)

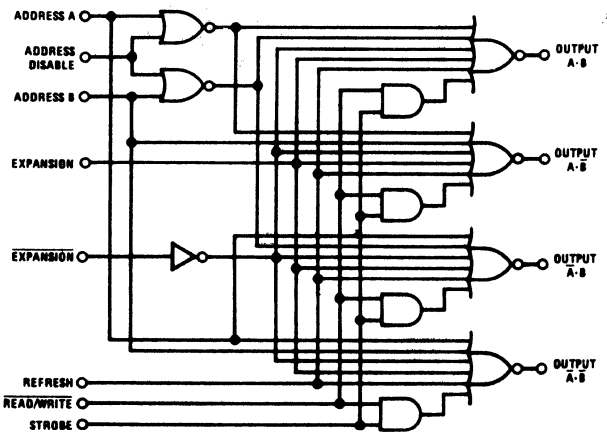
Dual-In-Line Package

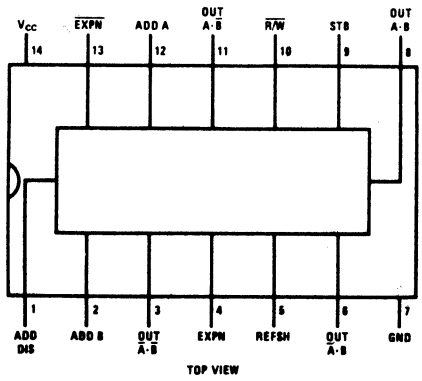


Dual-In-Line Package

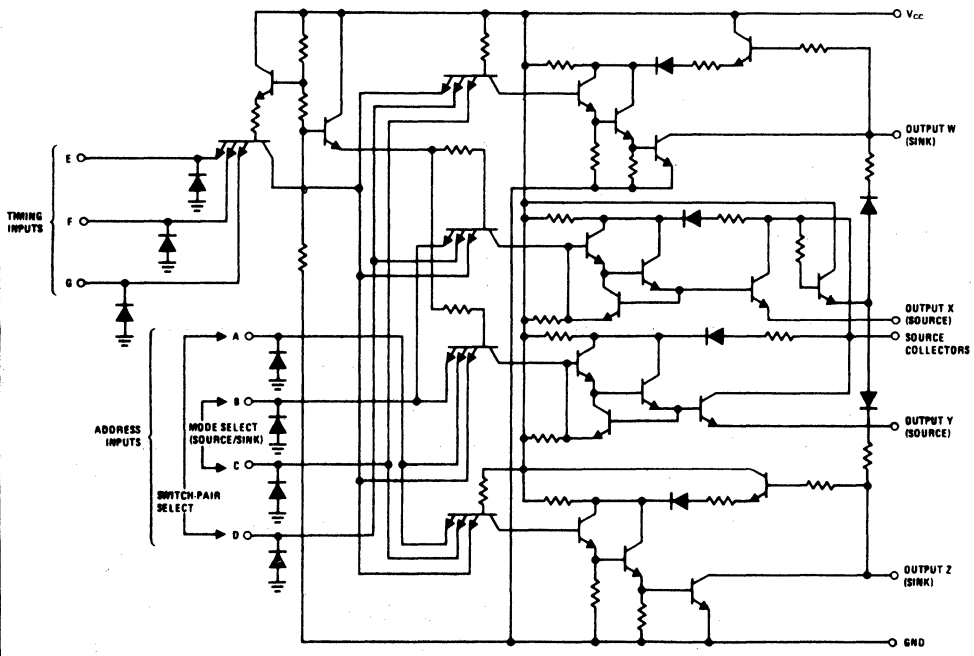


K25-59

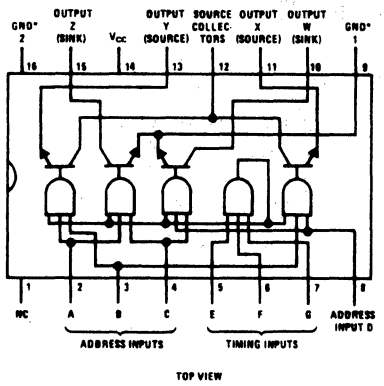




K25-60



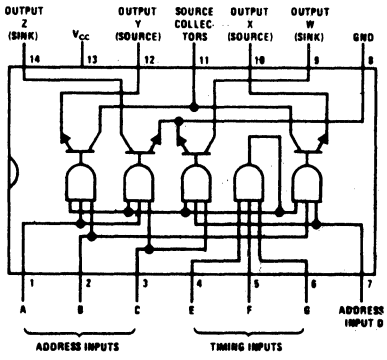
K25-60



TOP VIEW

*GND 1 and GND 2 are to be used in parallel.

K25-60a

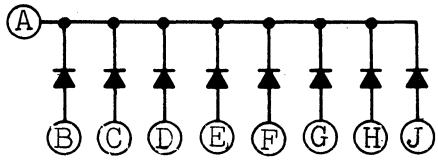


TOP VIEW

K26-1

	A	B	C	D	E	F	G	H	J
K26-1	10	2	3	4	5	6	7	8	9
K26-1a	4	1	2	3	5	6	7	8	9
K26-1b	4	1	2	3	5	6	7	8	
K26-1c	4	1	2	3	5	7	8		
K26-1d	4	1	3	5	7	8			
K26-1e	4	1	3	5	7				
K26-1f	3	1	2	4					
K26-1g	5	1	3	7					
K26-1h	2	1	3						
K26-1j	5	1	3						
K26-1k	14	2	3	5	7	8	9	11	12

NOTE: EMPTY BLOCKS ON CHART INDICATE THE DIODES CONNECTED TO THAT PIN ARE NOT IN THE CIRCUIT.

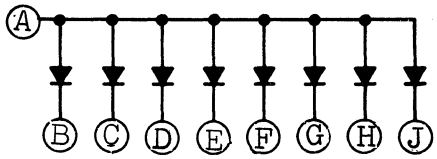


COMMON CATHODE

K26-2

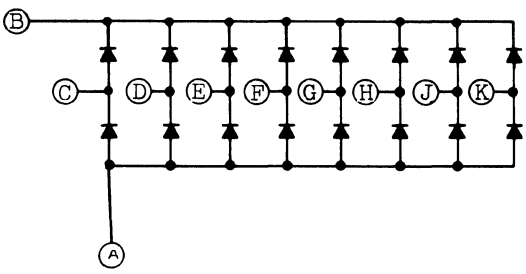
NOTE: EMPTY BLOCKS ON CHART INDICATE THE DIODES CONNECTED TO THAT PIN ARE NOT IN THE CIRCUIT.

	A	B	C	D	E	F	G	H	J
K26-2	10	2	3	4	5	6	7	8	9
K26-2a	4	1	2	3	5	6	7	8	9
K26-2b	4	1	2	3	5	6	7	8	
K26-2c	4	1	2	3	5	7	8		
K26-2d	4	1	3	5	7	8			
K26-2e	4	1	3	5	7				
K26-2f	3	1	2	4					
K26-2g	5	1	3	7					
K26-2h	3	1	2						
K26-2j	5	1	3						
K26-2k	14	2	3	5	7	8	9	11	12



COMMON ANODE

K26-3

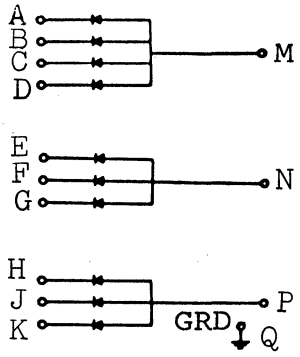


	CKT	A	B	C	D	E	F	G	H	J	K
K26-3	1	1	10	2	3	4	5	6	7	8	9
K26-3a	1	14	1	2	3	5	7	8	9	11	12
K26-3b	1	5	10	1	2	3	4	6	7	8	9
K26-3c	1	5	10	1	4	6	9				
K26-3d	1	5	10	1	4	6					
K26-3e	1	1	3	2	4						
K26-3f	1	1	5	3	7						
K26-3g	1	1	3	2							
K26-3h	1	1	5	3							
K26-3j	1	14	1	2	3	11	12				
K26-3k	1	7	8	4	5	9	10				
K26-3m	1	2	1	3	4	12	13	14			
	2	6	7	5	8	9	10	11			
K26-3n	1	14	1	2	3	11	12				
	2	7	8	4	5	9	10				
K26-3p	1	14	1	2	3	4	5	9	10	11	12
K26-3q	1	1	2	3	4						
	2	8	7	5	6						
	3	9	10	11	12						
	4	16	15	13	14						

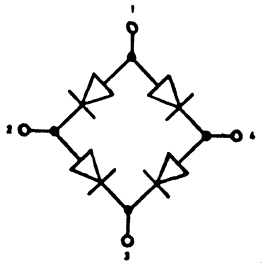
K26-5

	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
K26-5	10	11	12	13	2	3	4	5	7	8	9	1	6	14
K26-5a	1	2	3	5				7	8	9	12		6	10
K26-5b	2	3	4	5				7	8	9	1		6	10
K26-5c	10	11	12	13				2	3	4	9		1	14

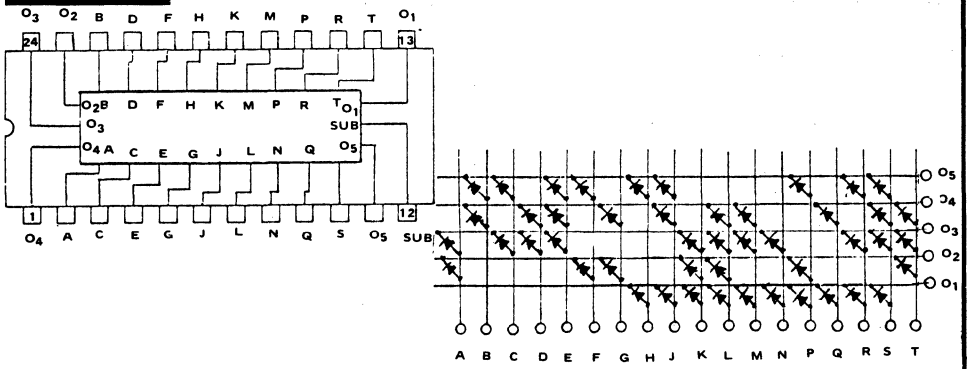
NOTE: EMPTY BLOCKS ON CHART INDICATE THE DIODES CONNECTED TO THAT PIN ARE NOT IN THE CIRCUIT.



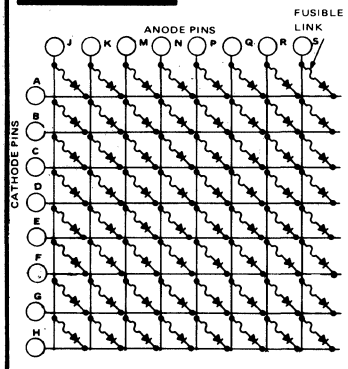
K26-6



K26-7

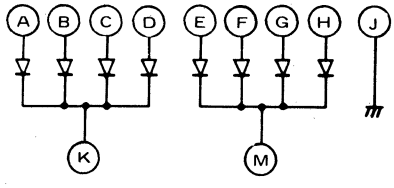


K26-8



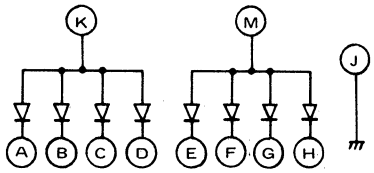
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	NO CONNECTION
K26-8	2	3	4	5	6	NA	NA	NA	1	7	14	8	13	NA	NA	NA	9,10,11,12
K26-8a	2	3	11	4	5	6	NA	NA	1	7	14	8	13	9	NA	NA	10,12
K26-8b	2	3	11	4	5	6	NA	NA	1	7	14	8	13	9	12	10	
K26-8c	2	12	3	11	4	10	5	6	1	7	14	8	13	NA	NA	NA	9
K26-8d	2	12	3	11	4	10	5	6	1	7	14	8	13	9	NA	NA	

K26-9



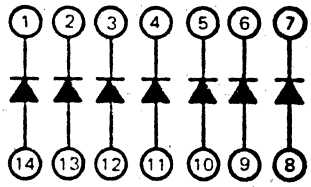
	A	B	C	D	E	F	G	H	J	K	M
K26-9	2	3	4	5	9	10	11	12	13	1	14
K26-9a	2	3	4	5	6	7	8	9		1	10
K26-9b	2	3	5	7	8	9	11	12		1	14

K26-10

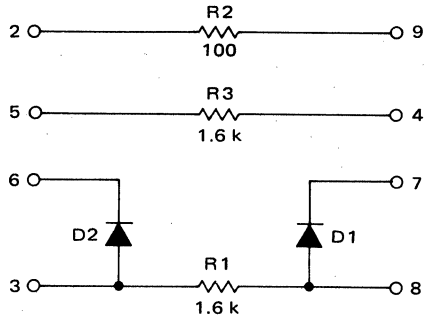


	A	B	C	D	E	F	G	H	J	K	M
K26-10	2	3	4	5	9	10	11	12	13	1	14
K26-10a	2	3	4	5	6	7	8	9		1	10
K26-10b	2	3	5	7	8	9	11	12		1	14

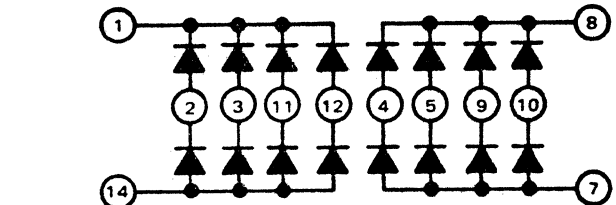
K26-11



K26-12

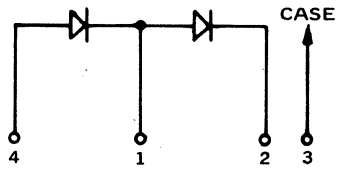


K26-13



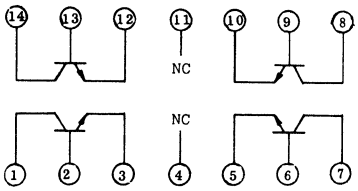
(6) (13) No internal connection

K26-14

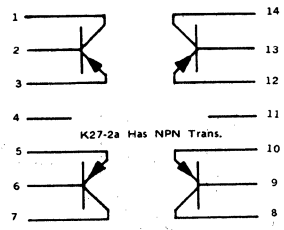


K27-1

K27-1a HAS PNP TRANS.

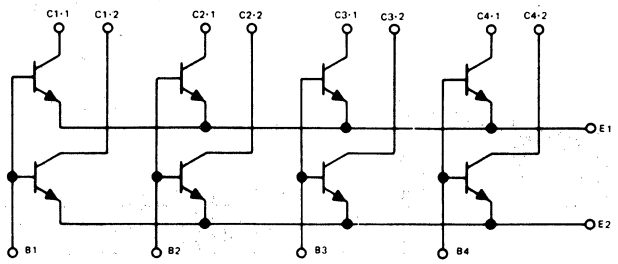


K27-2

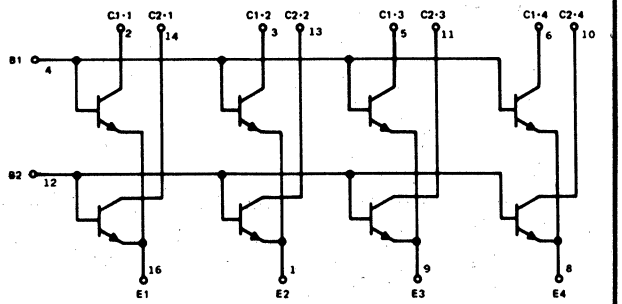


K27-3

	C1-1	C1-2	C2-2	C3-1	C3-2	C4-1	C4-2	B1	B2	B3	B4	E1	E2
K27-3	1	13	12	6	10	7	9	14	3	5	8	4	11
	2	15	14	6	11	7	10	16	12	4	8	5	13



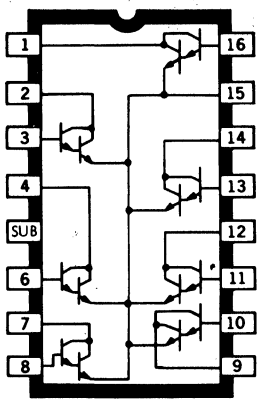
K27-4



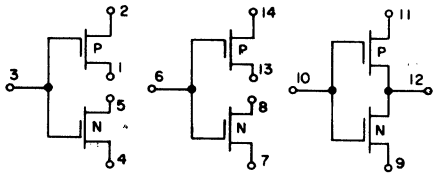
SECTION 12. LOGIC DRAWING

IN DRAWING NUMBER SEQUENCE

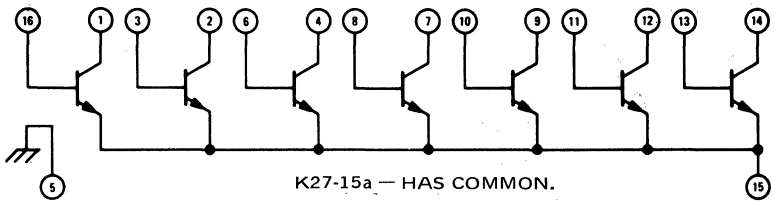
K27-12



K27-14

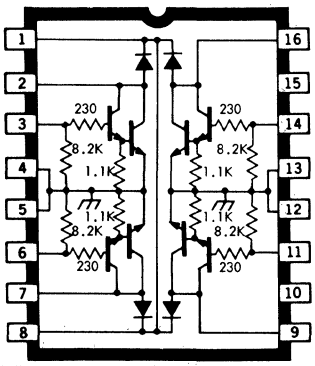


K27-15

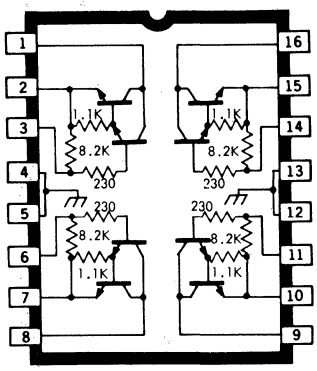


K27-15a — HAS COMMON.

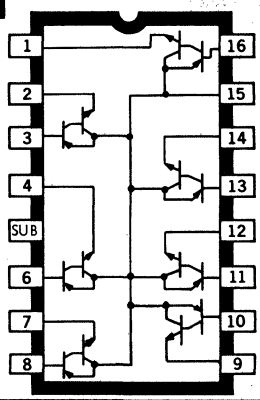
K27-16



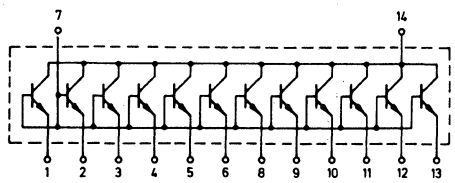
K27-17



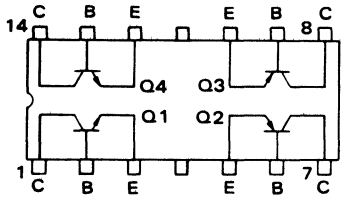
K27-18



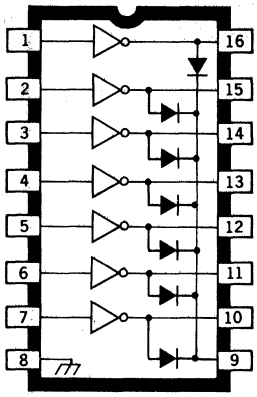
K27-19



K27-20



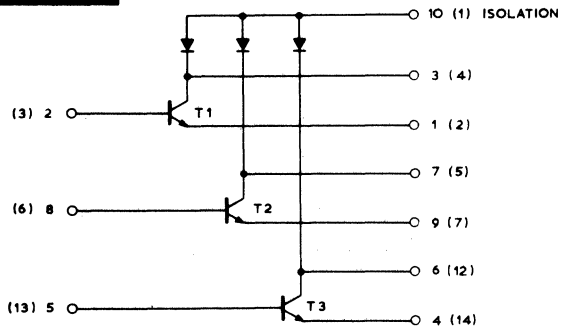
K27-21



K27-22

TERMINAL	ELEMENT
1	C1
2	B1
3	E1
4	NC
5	E2
6	B2
7	C2
8	C3
9	B3
10	E3
11	NC
12	E4
13	B4
14	C4

K27-23

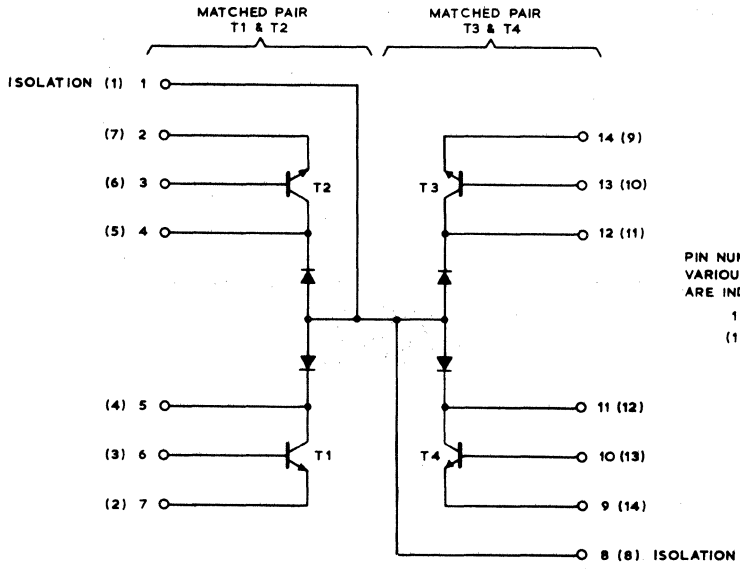


PIN NUMBERS FOR THE VARIOUS ENCAPSULATIONS ARE INDICATED THUS:

2 10 LEAD TO-5

(3) DUAL IN-LINE

K27-24

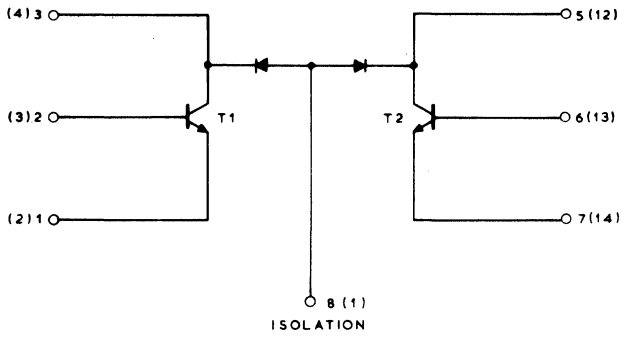


PIN NUMBERS FOR THE VARIOUS ENCAPSULATIONS ARE INDICATED THUS:

1 FLATPACK

(1) DUAL IN-LINE

K27-25

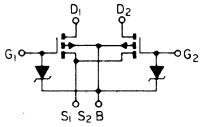


PIN NUMBERS FOR THE VARIOUS ENCAPSULATIONS ARE INDICATED THUS:-
1 8 LEAD TO-5
(2) DUAL IN-LINE

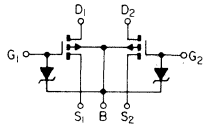
K27-26

TERMINAL	ELEMENT
1	D1
2	S1
3	G1
4	BODY
5	G2
6	S2
7	D2
8	N.C.

K27-27



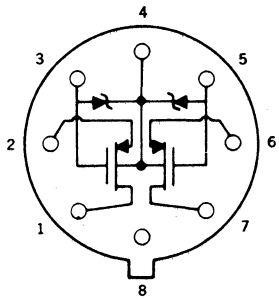
K27-28



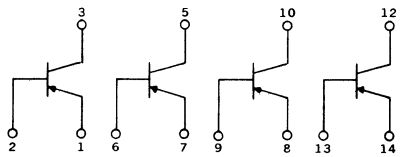
	S1	D1	G1	G2	D2	S2	B/SUB
CN	1	2	3	5	6	7	4
FP	9	10	1	4	6	7	8

K27-29

Lead
1. Drain 1
2. Source 1
3. Gate 1
4. Substrate (Body)
5. Gate 2
6. Source 2
7. Drain 2
8. Open

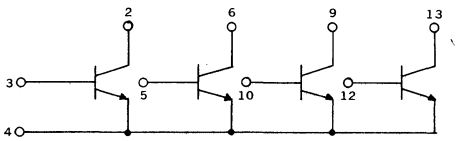


K27-30

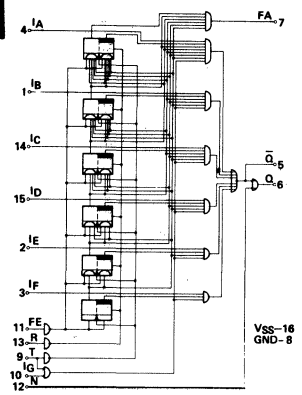


K27-30a=NPN

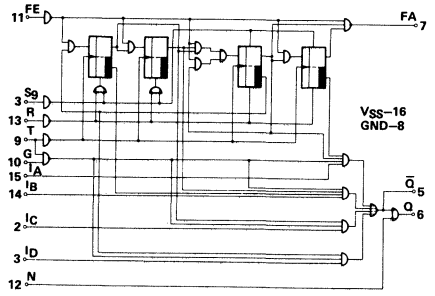
K27-31



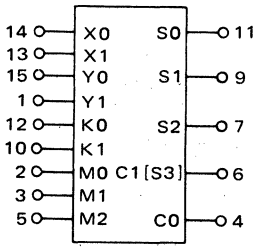
K28-2



K28-3

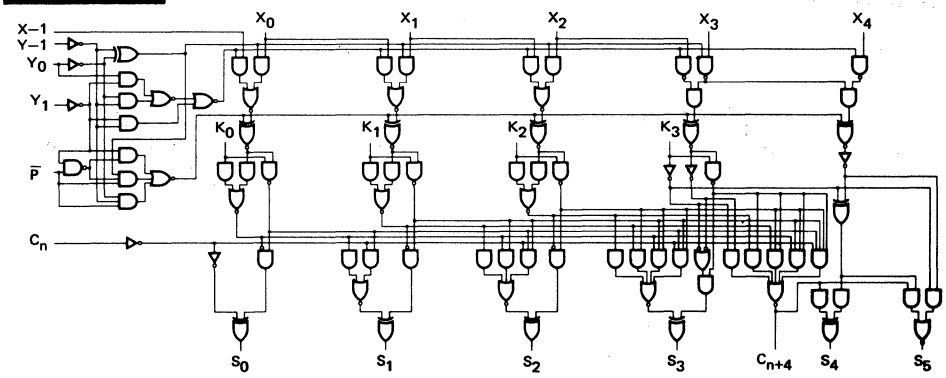


K28-4

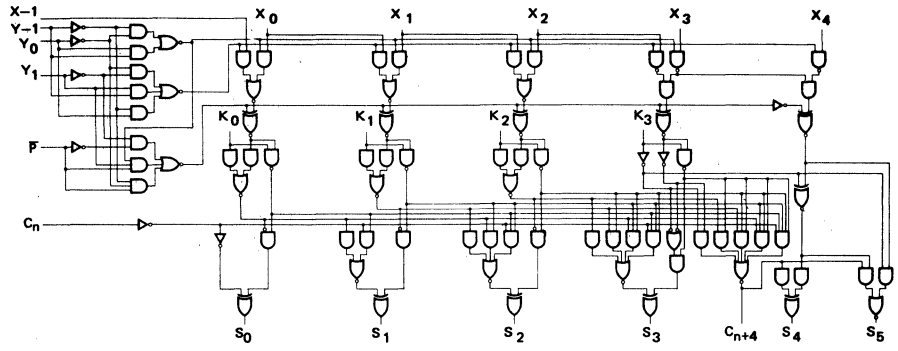


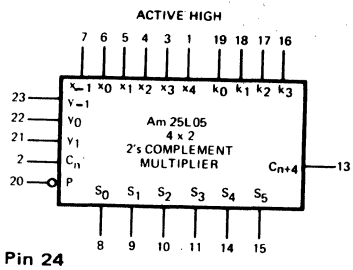
V_{DD} = Pin 16
V_{SS} = Pin 8

K28-5

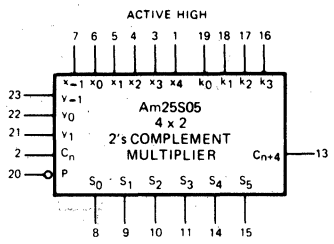


K28-6



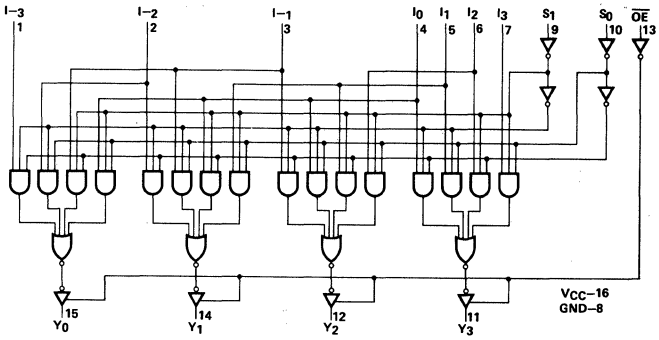


V_{CC} = Pin 24
GND = Pin 12

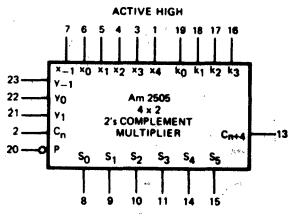


V_{CC} = Pin 24
GND = Pin 12

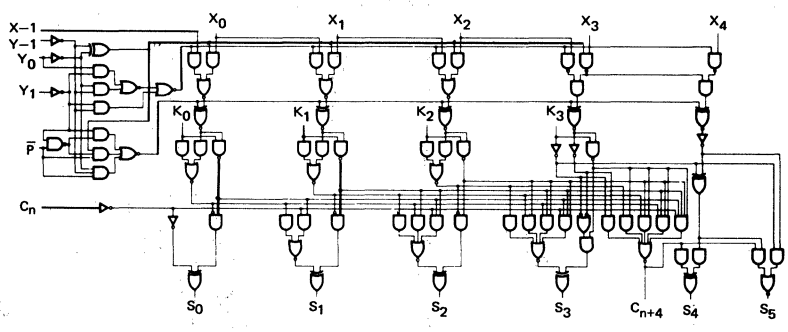
K28-7



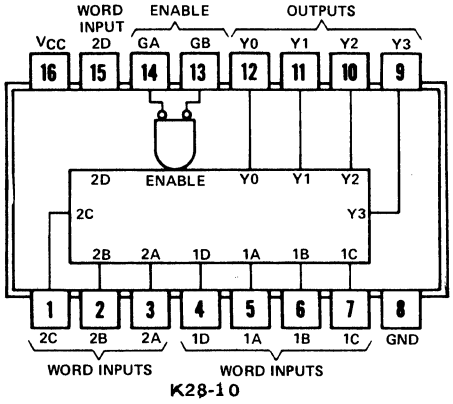
K28-8



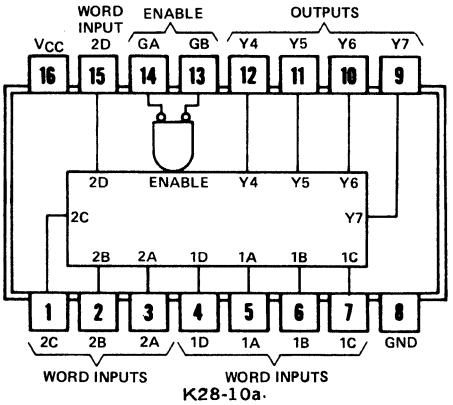
V_{CC} = PIN 24
GND = PIN 12



K28-10

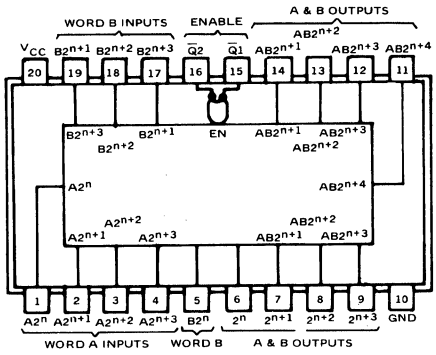


K28-10

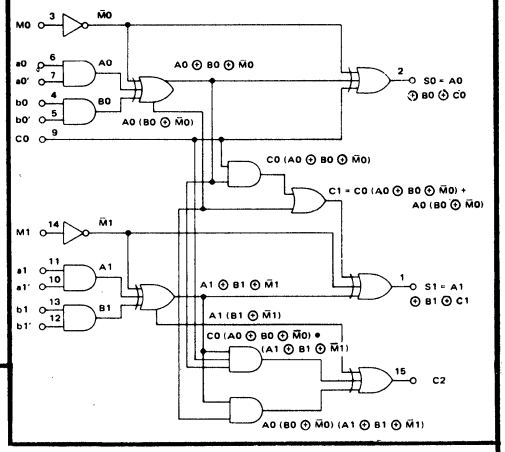


K28-10a.

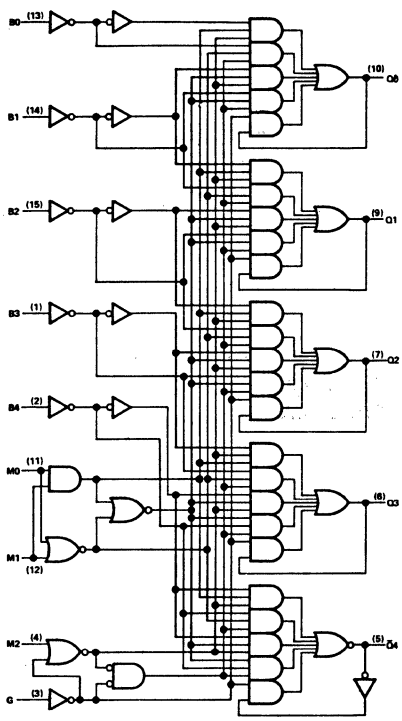
K28-11



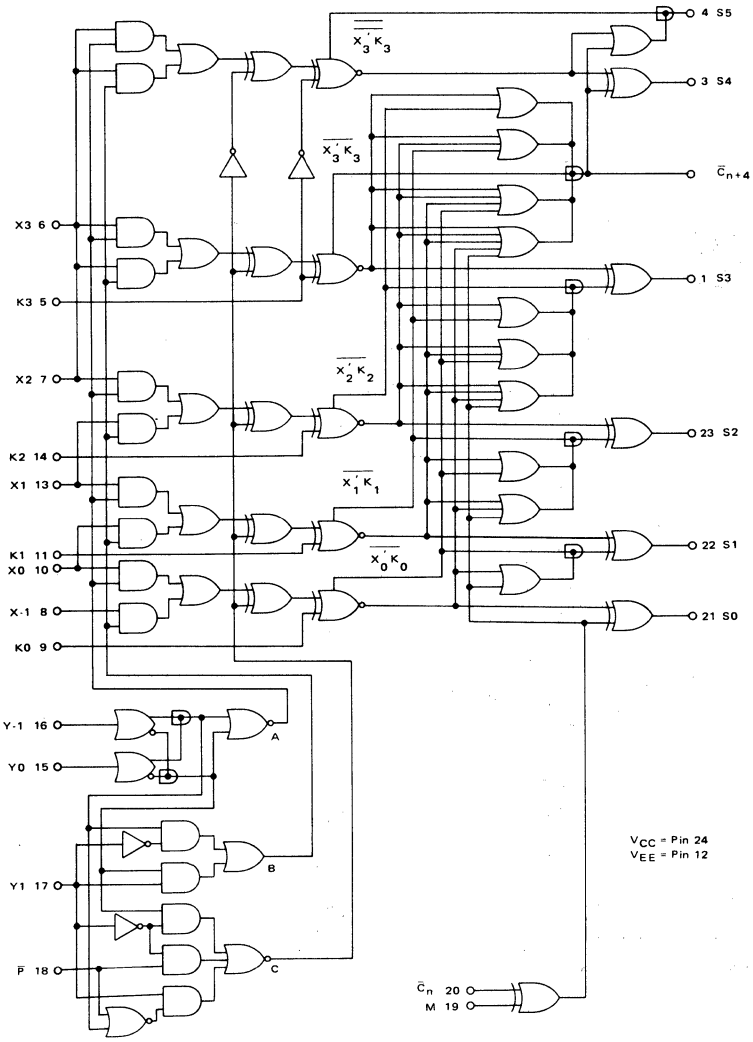
K28-12



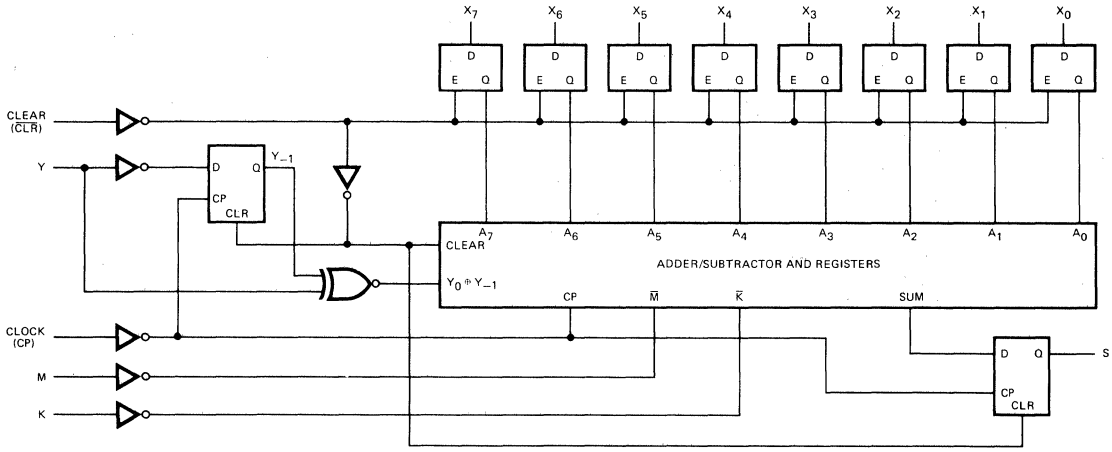
K28-13

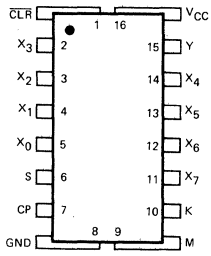


K28-14

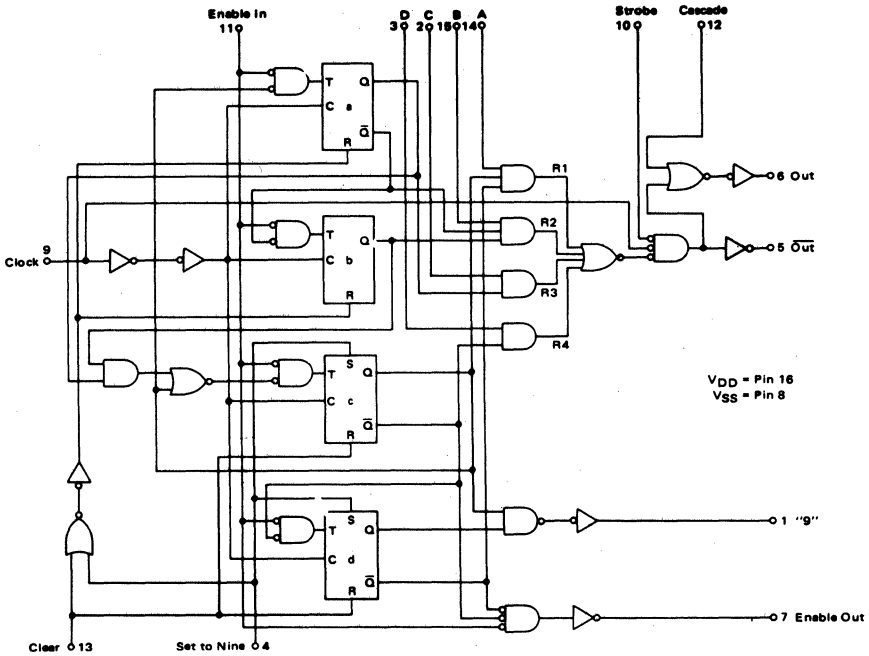


K28-15

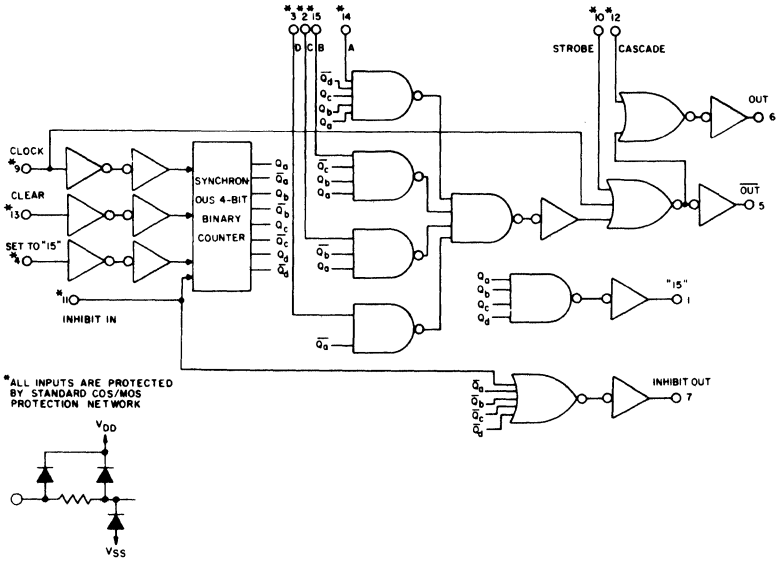

X7 X6 X5 X4 X3 X2 X1 X0
D E Q
CLEAR (CLR)
Y
D Q
CP CLR
Y-1
CLEAR
A7 A6 A5 A4 A3 A2 A1 A0
ADDER/SUBTRACTOR AND REGISTERS
Y0 thru Y-1
CP M K SUM
CLOCK (CP)
M
K
D Q
CP CLR
S


CLR
X3
X2
X1
X0
S
CP
GND
1 16
2 15
3 14
4 13
5 12
6 11
7 10
8 9
VCC
Y
X4
X5
X6
X7
K
M

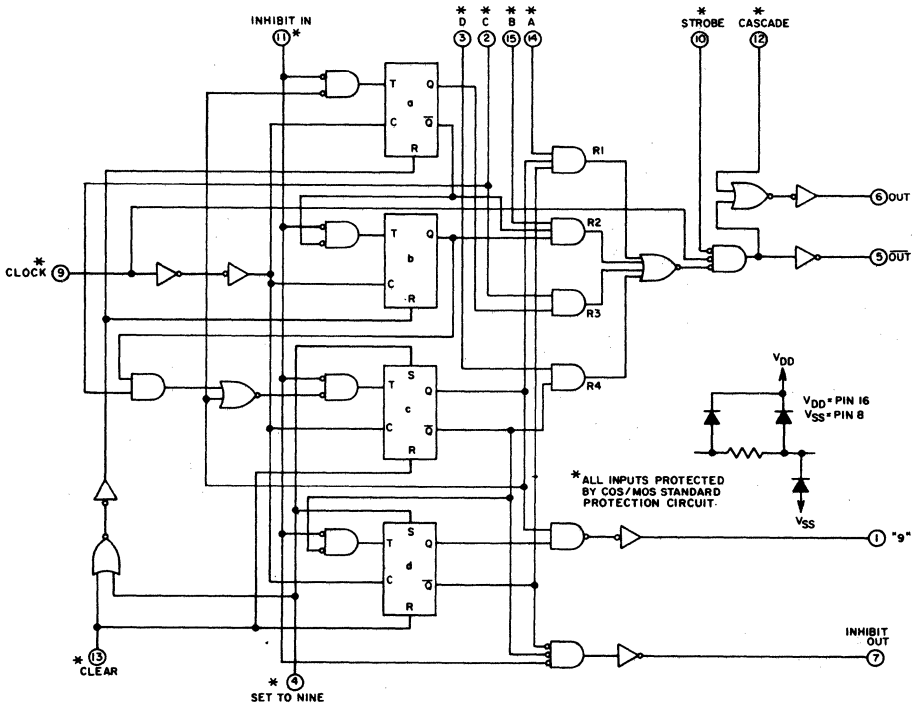
K29-1


Enable In 11
D C B A
3 2 1 15 14
Strobe 10
Cascade 12
T Q
C a
R
R1
R2
R3
R4
6 Out
5 Out
Clock 9
T Q
C b
R
S
T Q
C c
R
VDD = Pin 16
VSS = Pin 8
1 "9"
T Q
C d
R
7 Enable Out
Clear 13
Set to Nine 4

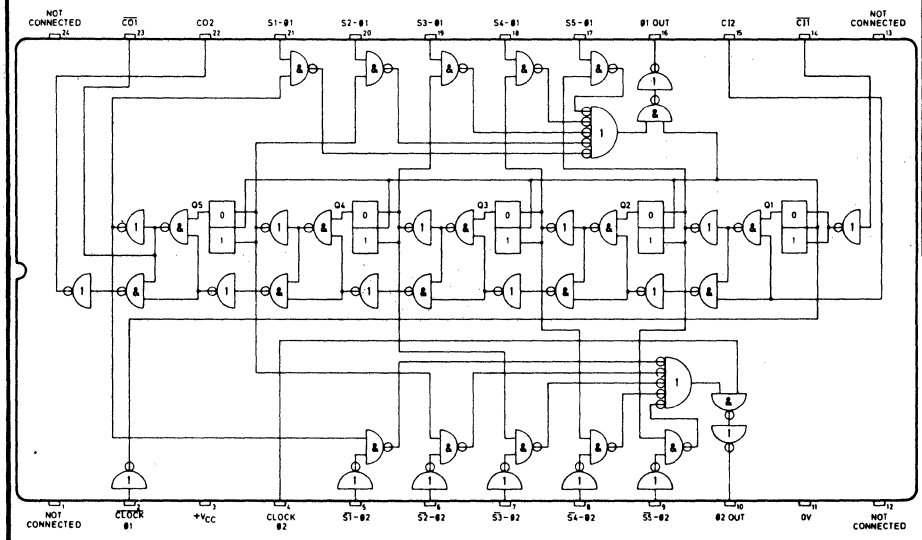
K29-2


CLOCK
CLEAR
SET TO "15"
INHIBIT IN
SYNCHRON OUS 4-BIT BINARY COUNTER
STROBE
CASCADE
OUT
"15"
INHIBIT OUT
*ALL INPUTS ARE PROTECTED BY STANDARD COS/MOS PROTECTION NETWORK
VDD
VSS

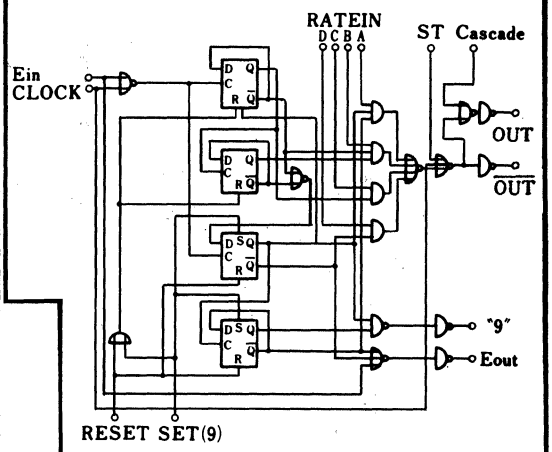
K29-3

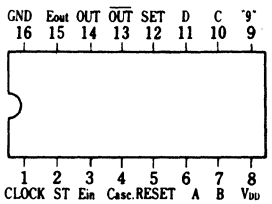

INHIBIT IN
CLOCK
CLEAR
SET TO NINE
STROBE
CASCADE
OUT
R1
R2
R3
R4
VDD
VDD = PIN 16
VSS = PIN 8
VSS
*ALL INPUTS PROTECTED BY COS/MOS STANDARD PROTECTION CIRCUIT
"9"
INHIBIT OUT

K29-4

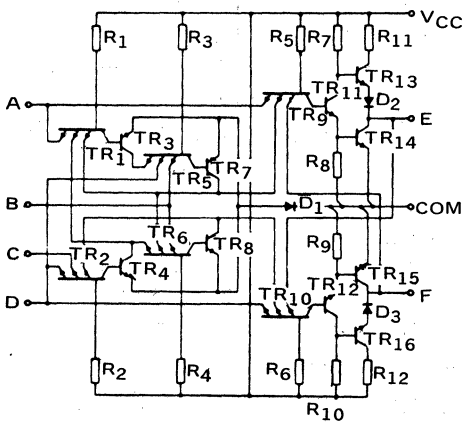


K29-5



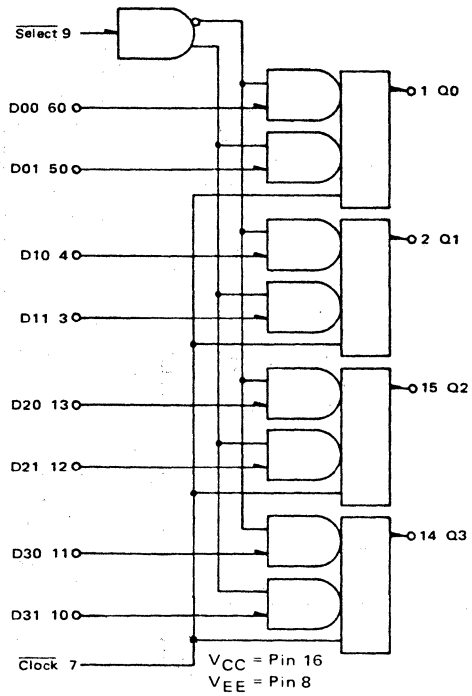


K30-1

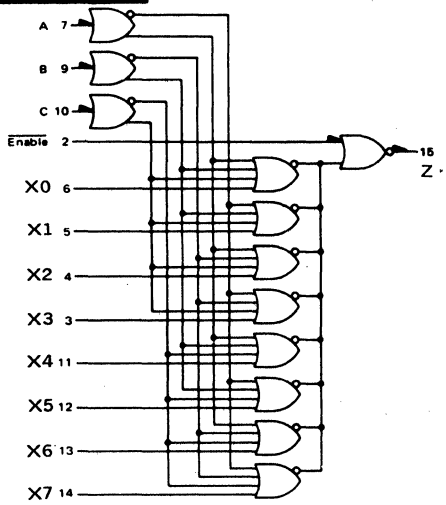


	CKT	A	B	C	D	E	F	COM	VCC
K30-1	1	4	3	2	1	5	6	7	14
	2	10	11	12	13	9	8		

K30-2

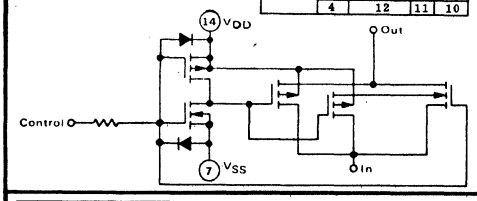


K30-3



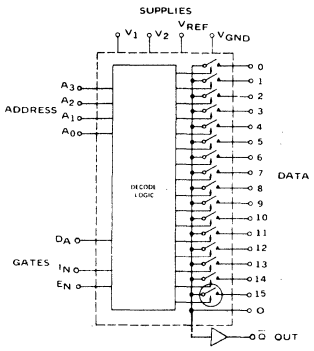
K30-4

K30-4	CKT	CONTROL	IN	OUT
	1	13	1	2
	2	5	4	3
	3	6	8	9
	4	12	11	10

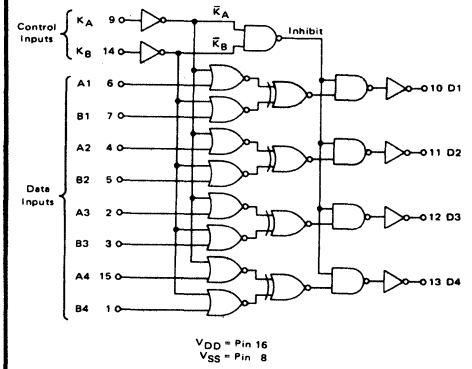


K30-5

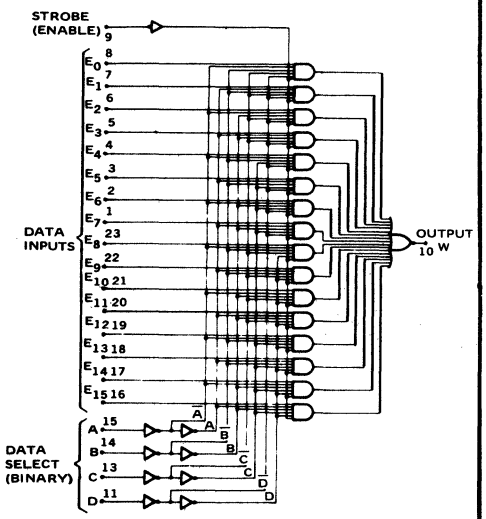
	CKT	INPUTS ADDRESS A0	A1	A2	A3	DATA 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OUTPUTS O	Ō	GATES EN	IN	DA	SUPPLIES V1	V2	Vref	Grd	SWITCH FUNCTION
K30-5a	1	11	10	9		4	3	2	1	15	14	13	12									5	6			7	16			8	DIGITAL
K30-5b	1	14	15	16		12	11	10	9	8	7	6	5									3		1			24	13			DIGITAL
K30-5c	1	17	16	15	14	19	20	21	22	23	24	25	26	11	10	9	8	7	6	5	4	4		16			1	27	13	12	ANALOG
K30-5d	1	11	12	13		1	2	3	4	5	6	7	9									14		15	10		16	8			ANALOG
K30-5e	1	15	14	13	11	8	7	6	5	4	3	2	1	23	22	21	20	19	18	17	16		10			9	24			12	DIGITAL
K30-5f	1	11	12	13		1	2	3	4	5	6	7	9									15	14		10		16			8	DIGITAL
K30-5g	1	7	9	15		14	2	13	3	12												10			6		1	16		8	ANALOG
K30-5h	1	11	10	9		4	1	2	3	15	14	13	12									5	6	7			16			8	DIGITAL
K30-5k	1	11	12	13		1	2	3	4	5	6	7	9									15	14	10			16				DIGITAL
K30-5m	1	10	9	8		5	4	3	2	1	13	12	11										6	18			14			7	DIGITAL
K30-5n	1	17	16	15		19	20	21	22	23	24	25	26									28		18			1	27	13	12	ANALOG
	2					11	10	9	8	7	6	5	4									2									
K30-5p	1	16	15			12	11	10	9													13		14			1	3	2		ANALOG
	2					8	7	6	5													4									
K30-5r	1	6	9			2	3	4	5													7		10			1	16		8	ANALOG
	2					14	13	12	11													15									
K30-5s	1	5	3			6	7	8	9													11					4				DIGITAL
	2					2	1	14	13													12									
K30-5t		10	11	13	14	9	8	7	6	5	4	3	2	23	22	21	20	19	18	17	16	1			15		24	12			ANALOG



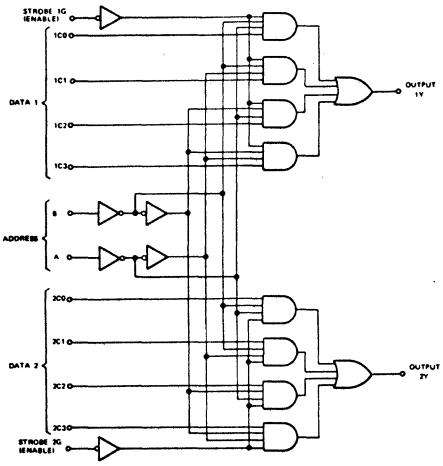
K30-6



K30-7

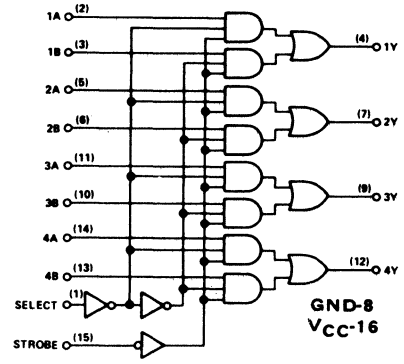


K30-8

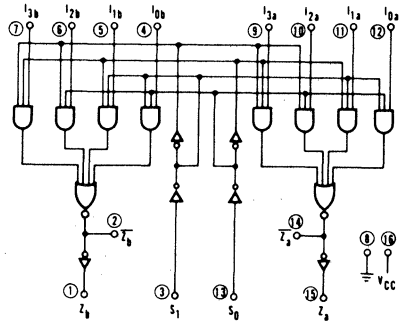


	STROBE 1G	2G	DATA 1 0	1	2	3	ADDRESS B	A	DATA 2 0	1	2	3	OUTPUT 1Y	2Y	VCC	GND
K30-8	1	15	6	5	4	3	2	14	10	11	12	13	7	9	16	8
K30-8a	7	9	4	3	2	1	10	11	15	14	13	12	5	6	16	8

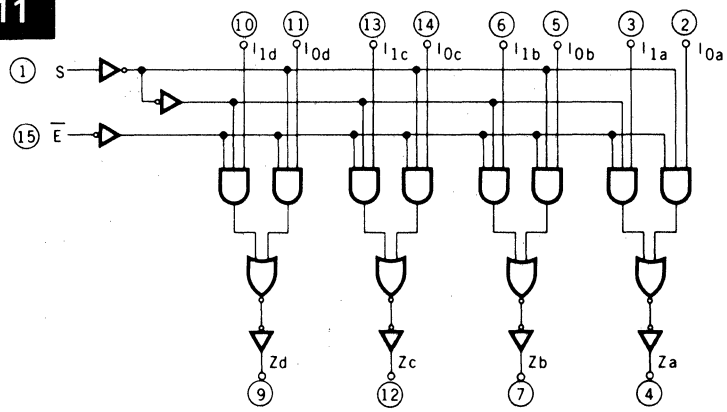
K30-9



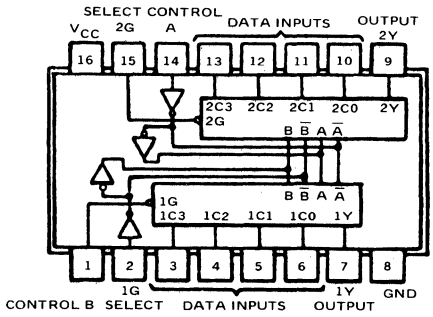
K30-10



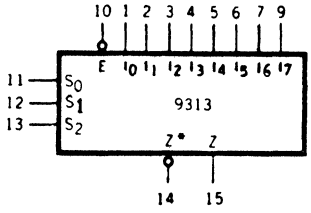
K30-11



K30-12

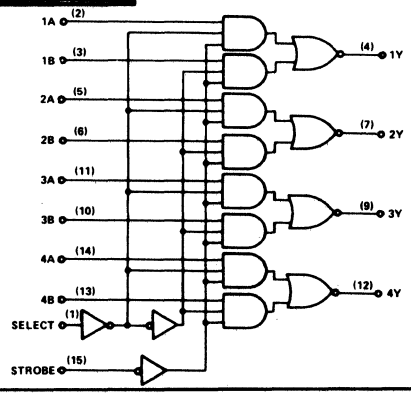


K30-13

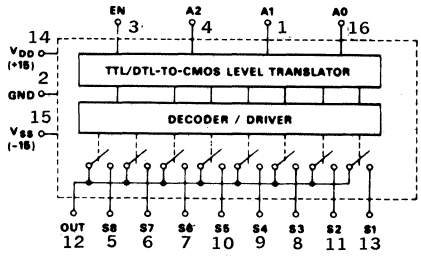


V_{CC} = 16
GND = 8
* OPEN COLLECTOR FOR K30-13a ONLY

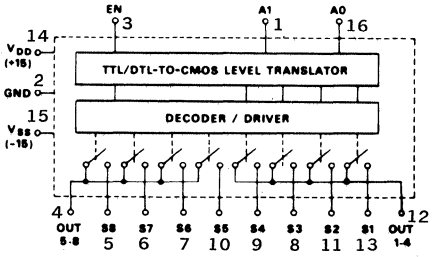
K30-14



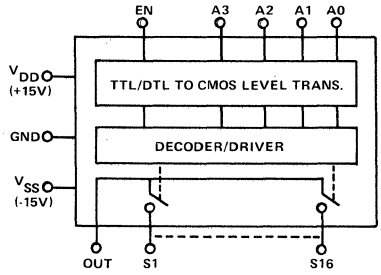
K30-15

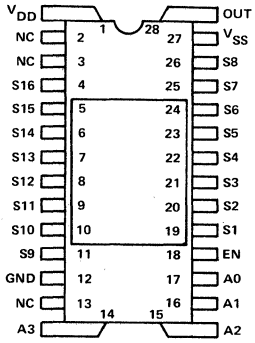


K30-16

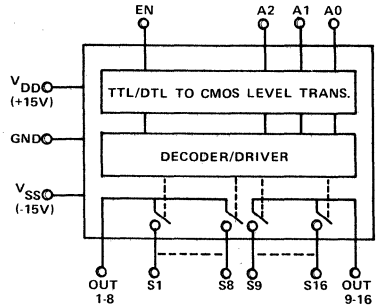


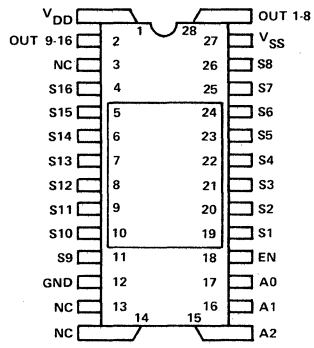
K30-17



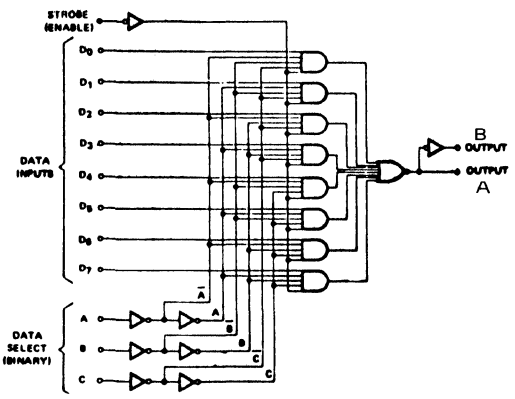


K30-18



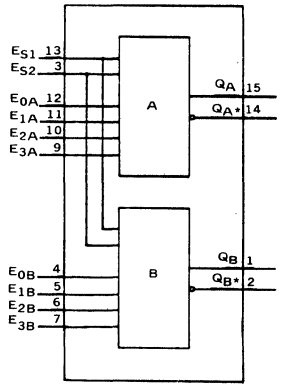


K30-19

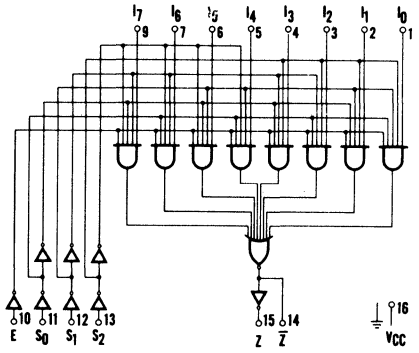


	DATA INPUTS								DATA SELECT			OUTPUT				
	0	1	2	3	4	5	6	7	A	B	C	A	B	STROBE	VCC	GND
K30-19	4	3	2	1	15	14	13	12	11	10	9	5	6	7	16	8
K30-19a	1	2	3	4	5	6	7	9	11	12	13	14	15	10	16	8

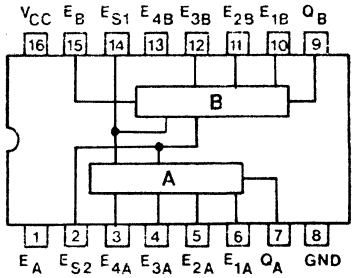
K30-20



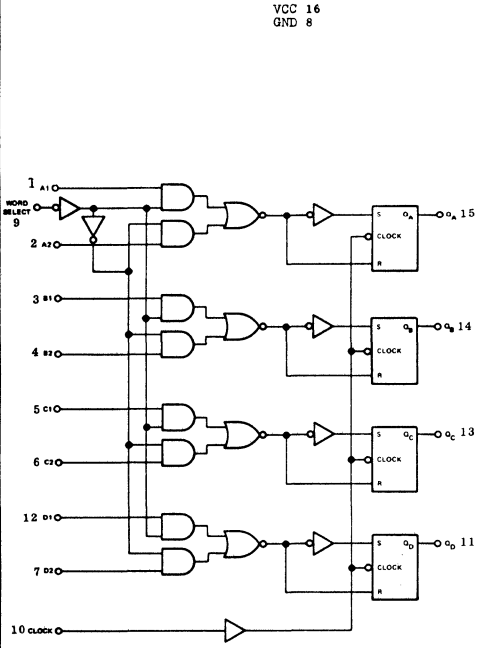
K30-22

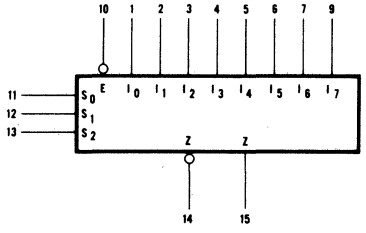


K30-23

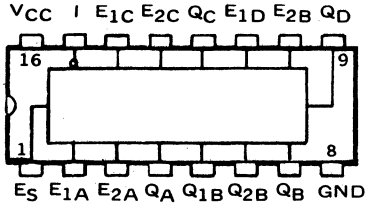


K30-26

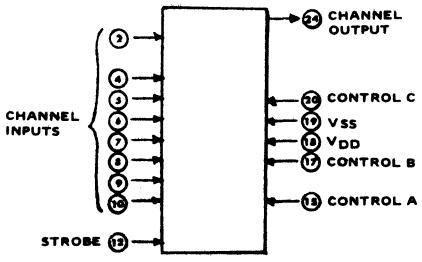




K30-24



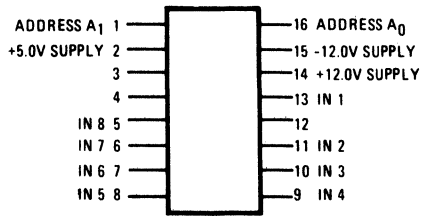
K30-27



SECTION 12. LOGIC DRAWING

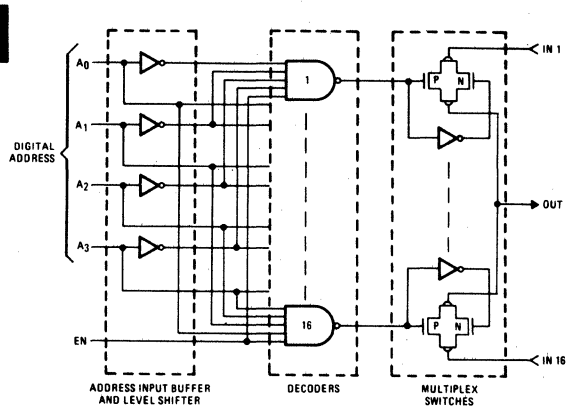
IN DRAWING NUMBER SEQUENCE

K30-28

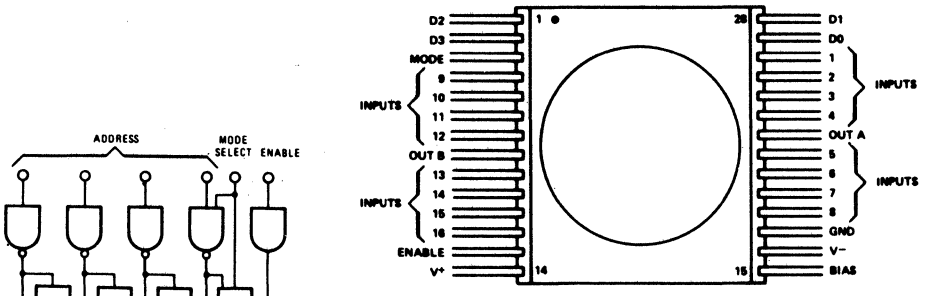


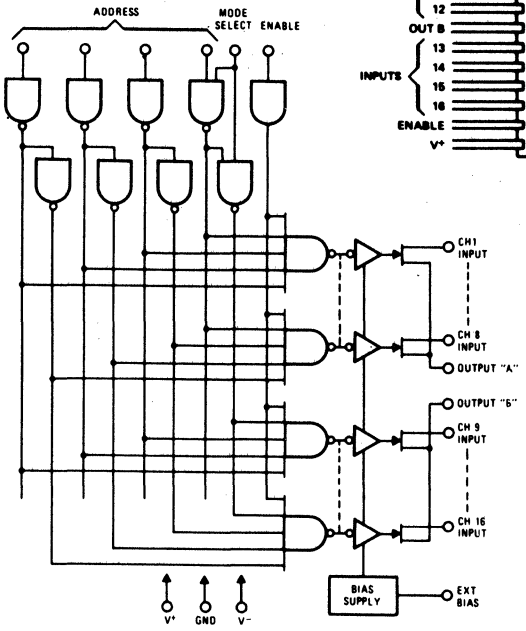
	PIN 3	4	12
K30-28	ENABLE	ADDRESS A2	OUT
K30-28a	ENABLE	OUT 5 THRU 8	OUT 1 THRU 4

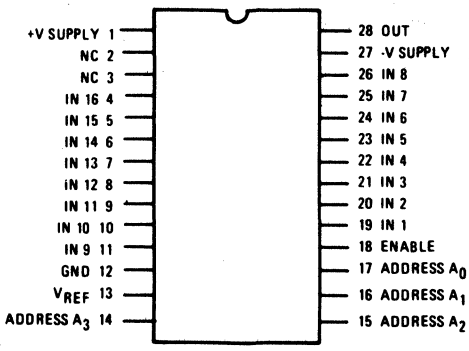
K30-29



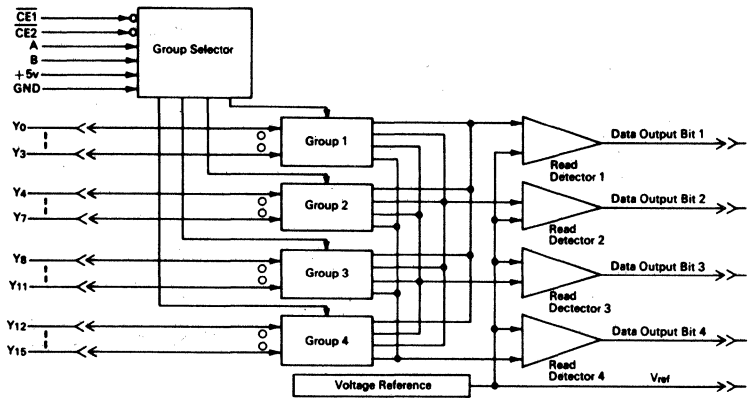
K30-30

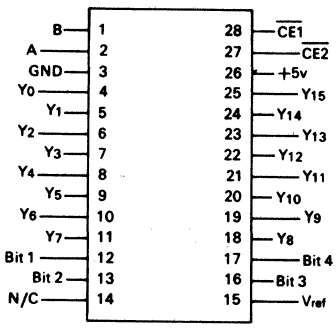






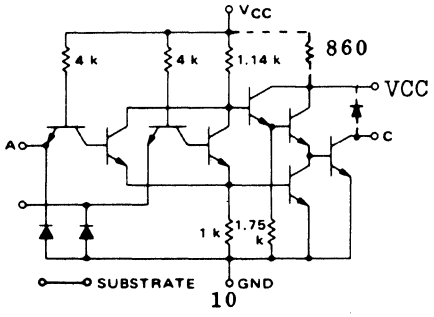
K30-31

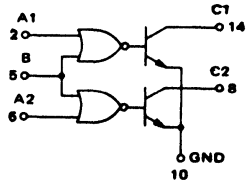




K30-32

DOTTED AREA A ONLY

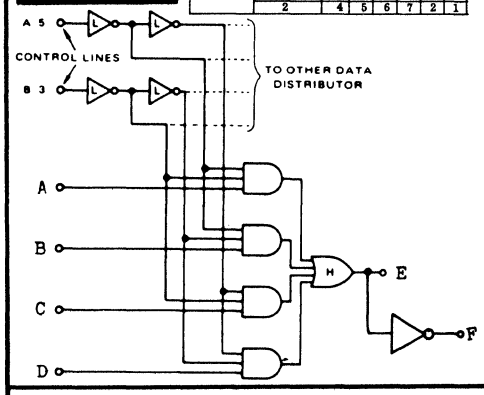




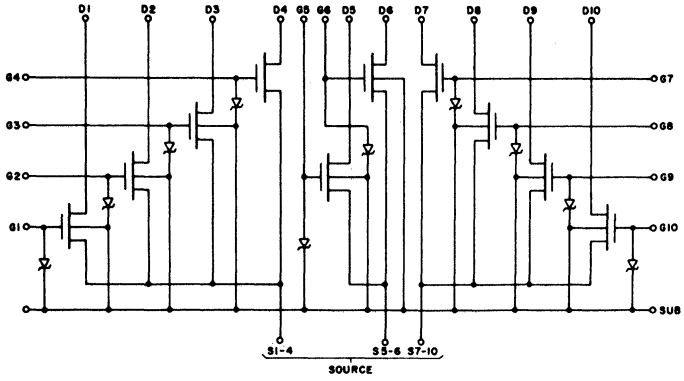
	CKT No.	A	C	VCC
K30-32	1	2	14	2 or 7
	2	6	8	2 or 7
K30-32a	1	2	1	2
	2	6	7	2
	3	9	8	2
	4	13	14	2

K30-33

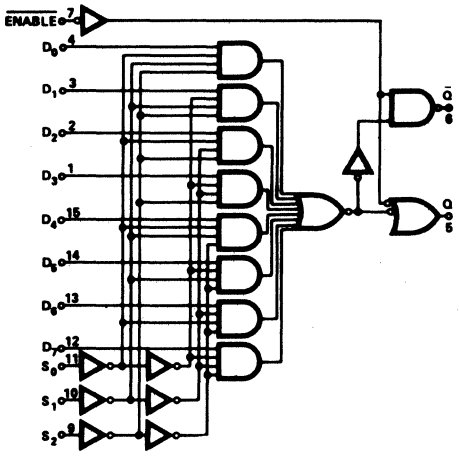
	CKT.NO.	A	B	C	D	E	F
K30-33	1	6	7	8	9	11	
	2	2	1	14	13	12	
K30-33a	1	12	11	10	9	14	15
	2	4	5	6	7	2	1



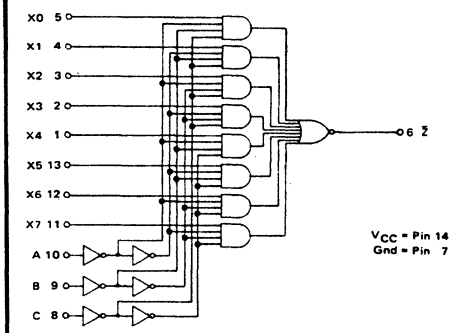
K30-35



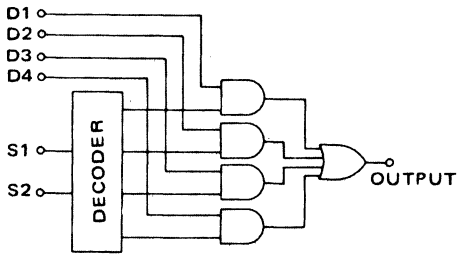
K30-36



K30-37

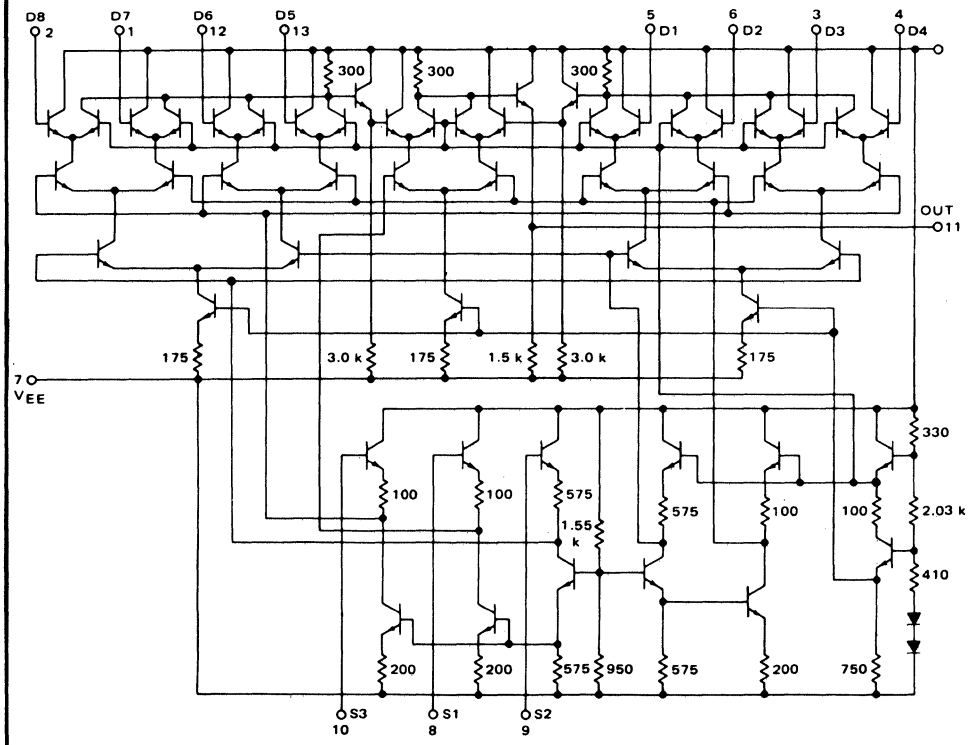


K30-38

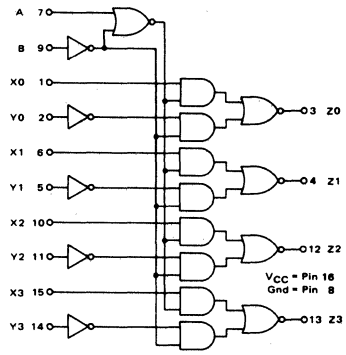


	CKT NO.	D1	D2	D3	D4	S1	S2	OUT
K30-38	1	7	9	10	11	3	2	6
	2	15	14	13	12	4	5	1

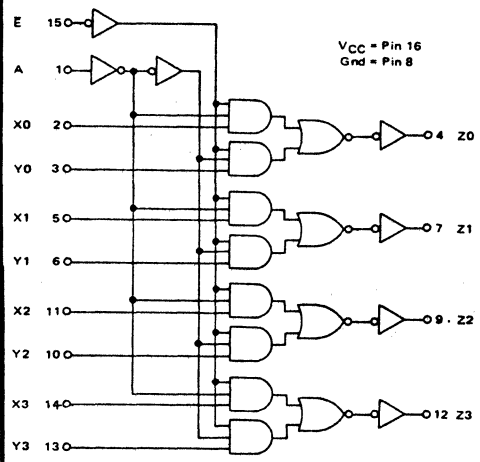
K30-39



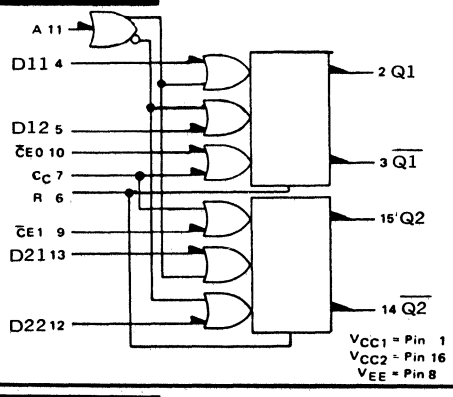
K30-40



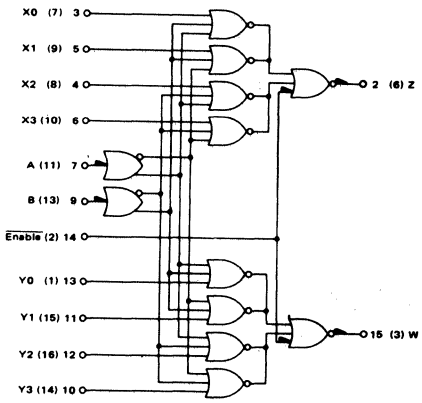
K30-41



K30-42

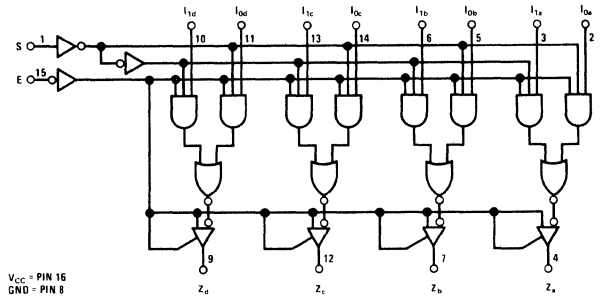


K30-43

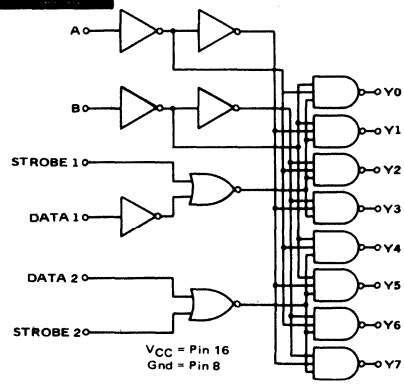


NUMBERS AT END OF TERMINALS ARE PIN NUMBERS FOR L OR P PACKAGE K30-43.
NUMBERS IN PARENTHESES DENOTE PIN NUMBERS FOR F PACKAGE K30-43a.

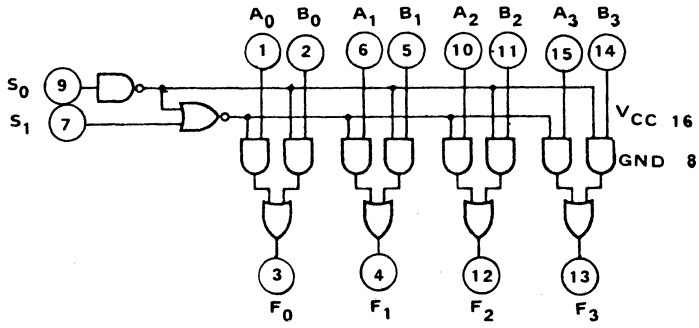
K30-44



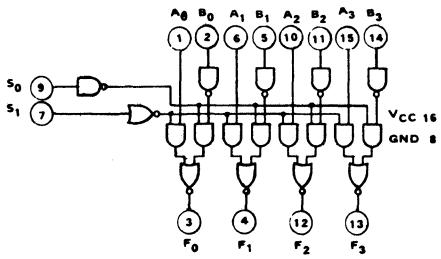
K30-45



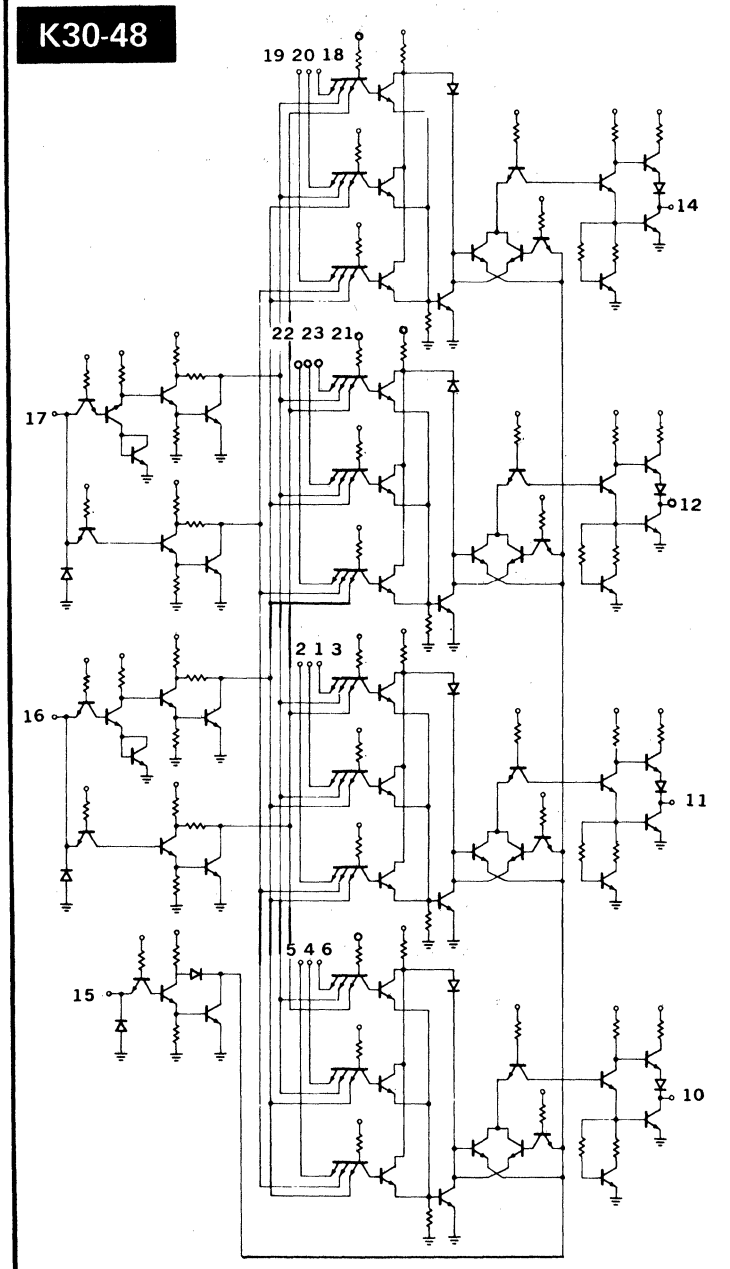
K30-46



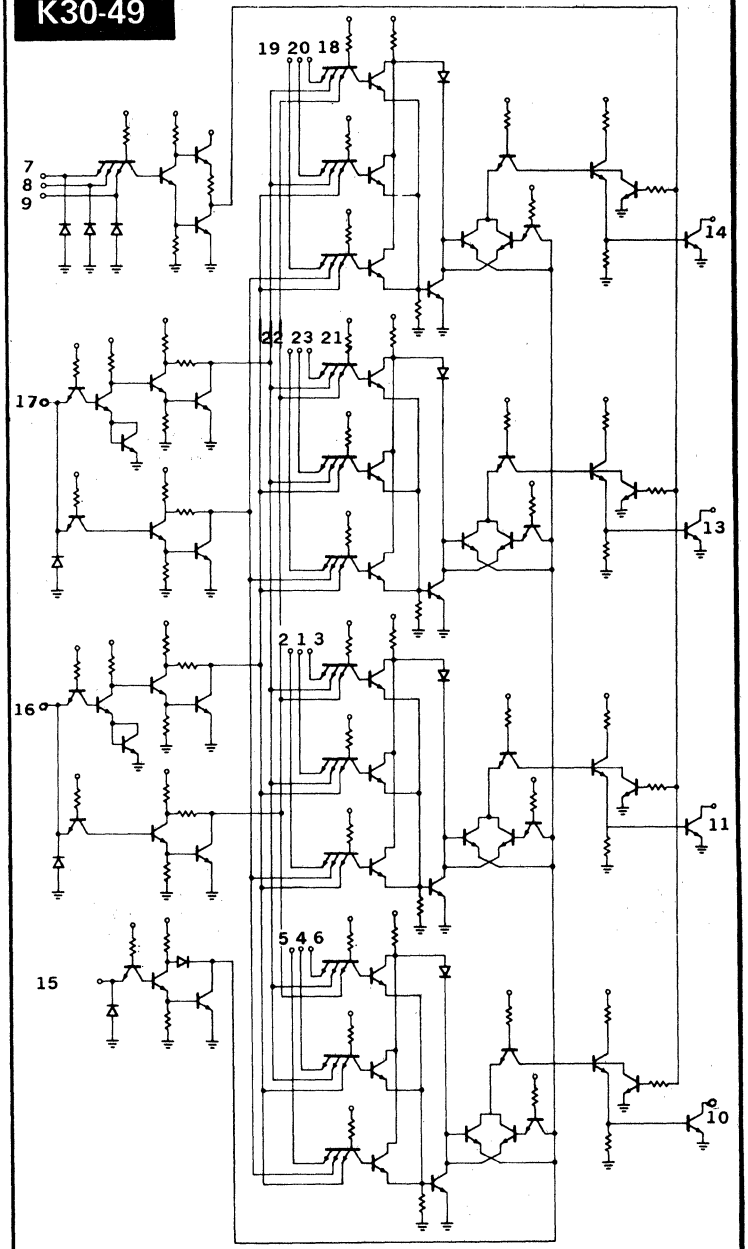
K30-47



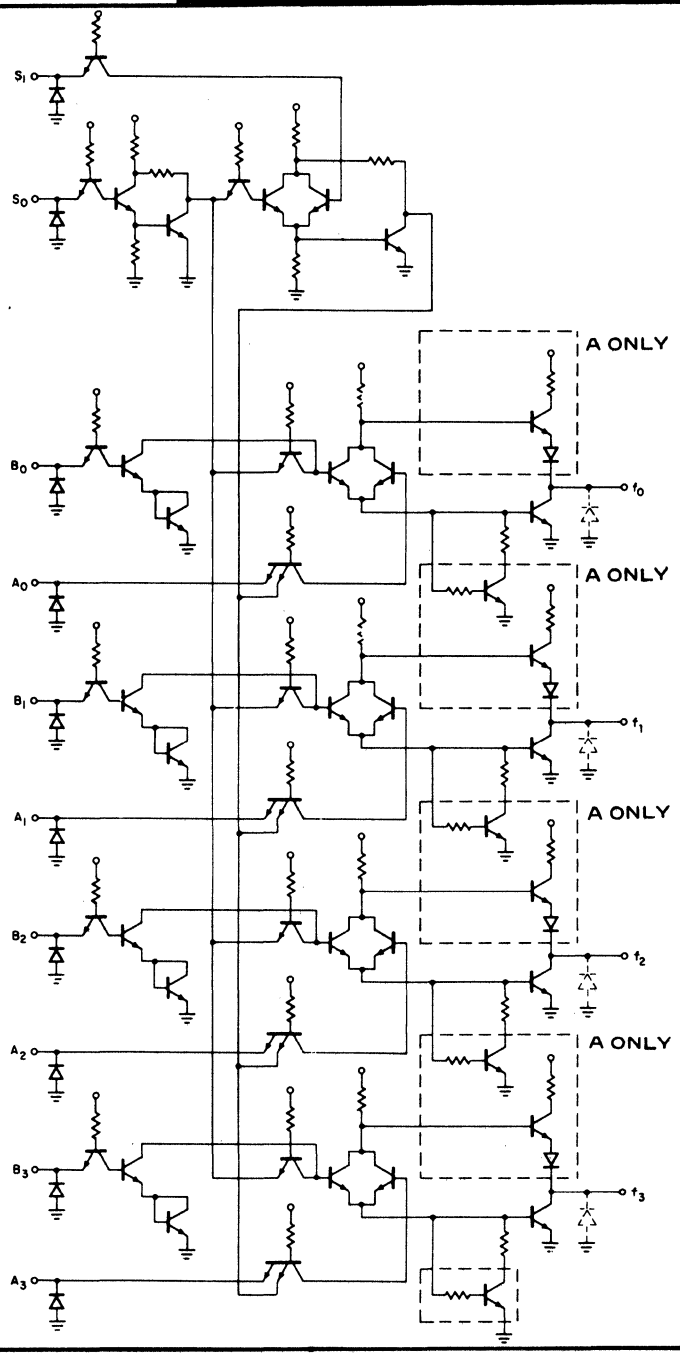
K30-48

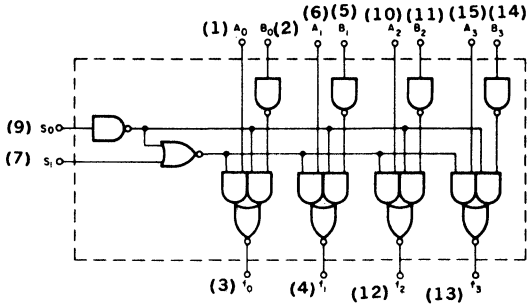

19 20 18
14
22 23 21
17
12
2 1 3
16
11
5 4 6
15
10

K30-49

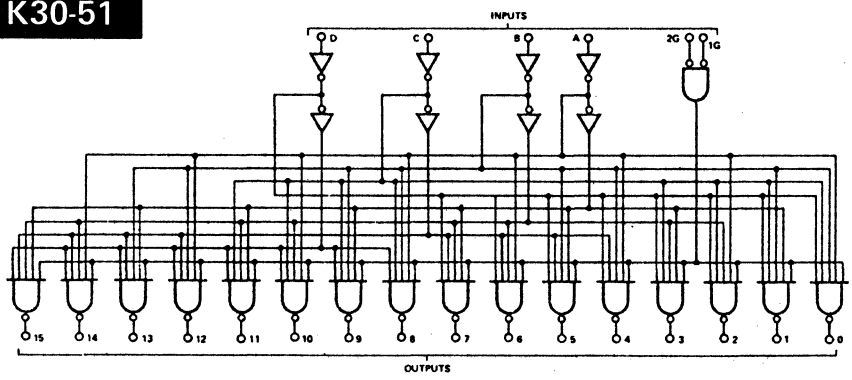

19 20 18
7
8
9
14
22 23 21
17
13
2 1 3
16
11
5 4 6
15
10

K30-50



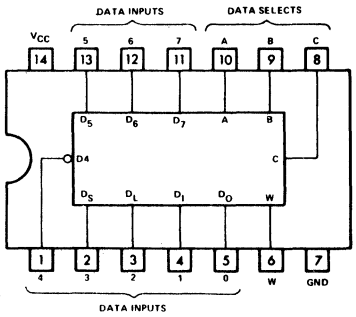


K30-51

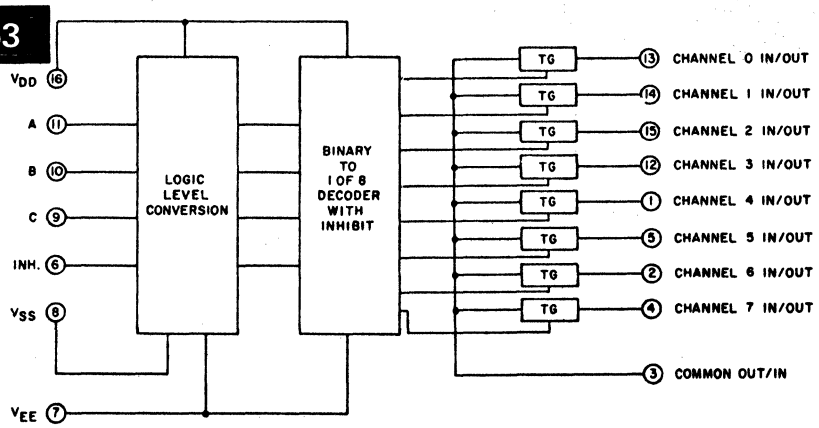


	OUTPUTS															INPUTS					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	D	C	B	A	2G	1G
K30-51	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	20	21	22	23	19	18

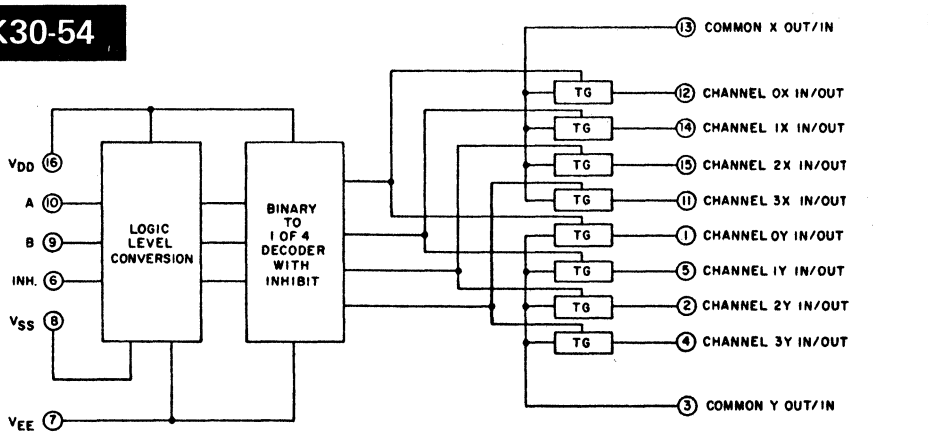
K30-52



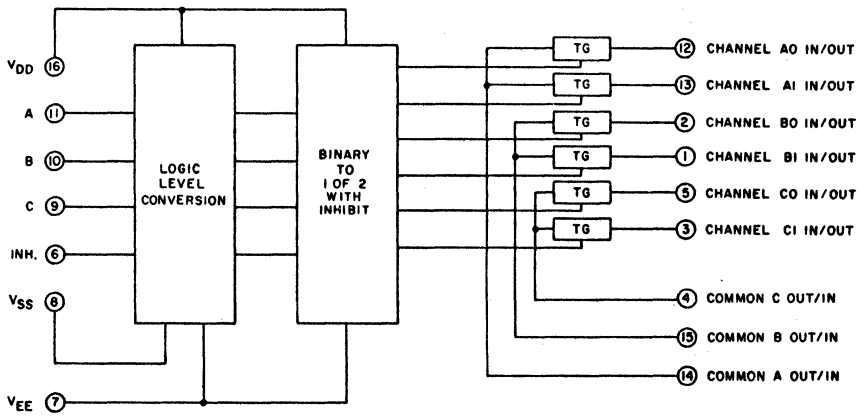
K30-53



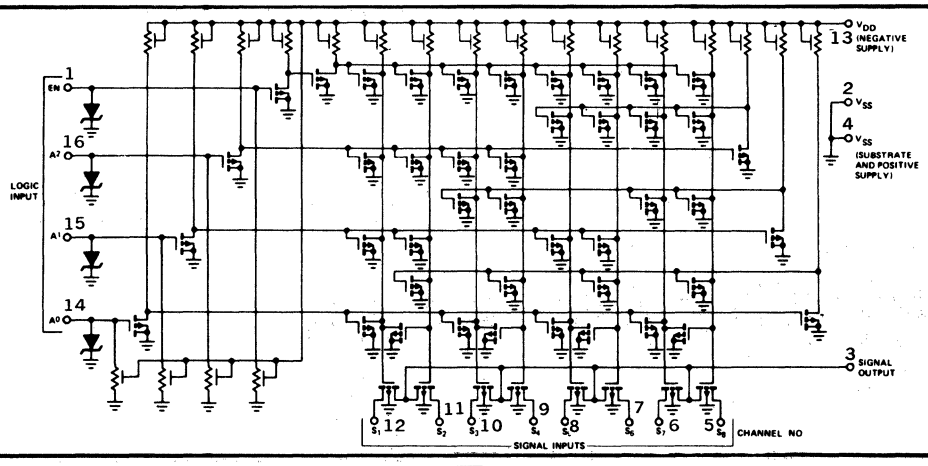
K30-54



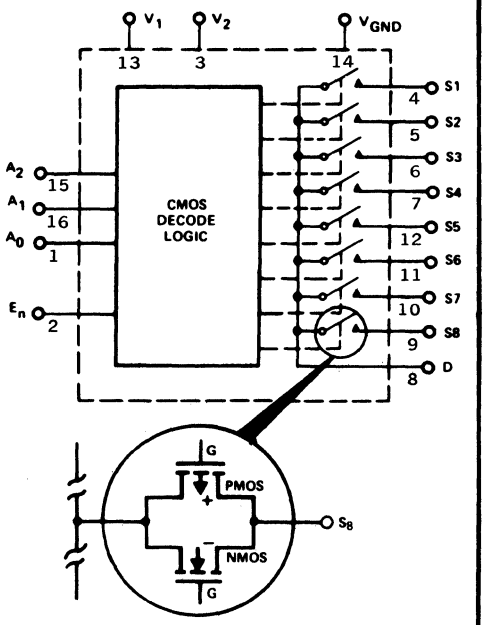
K30-55



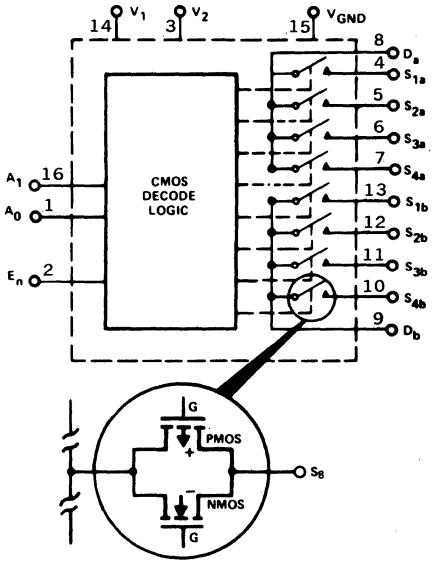
K30-56



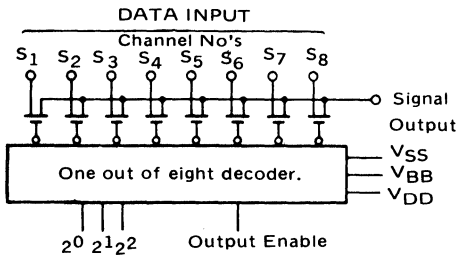
K30-57



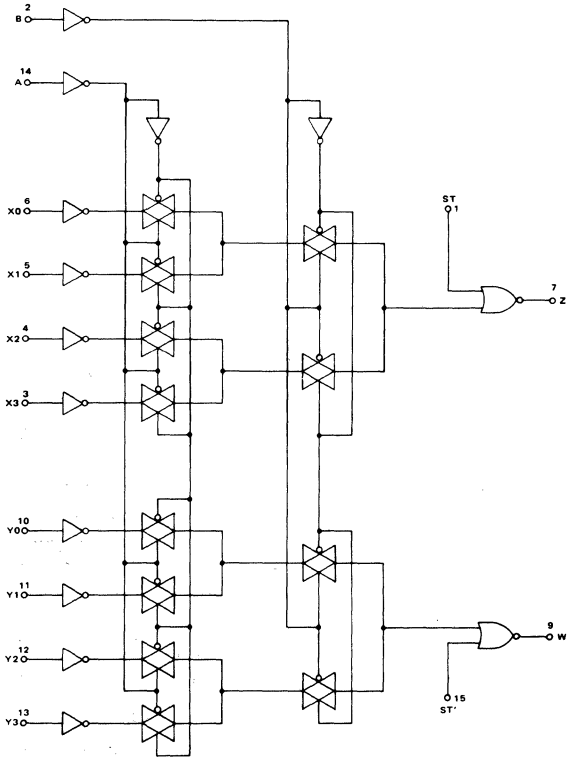
K30-58



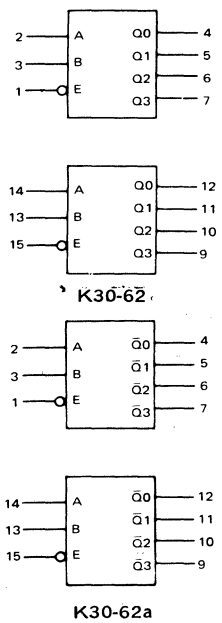
K30-59



K30-61



K30-62

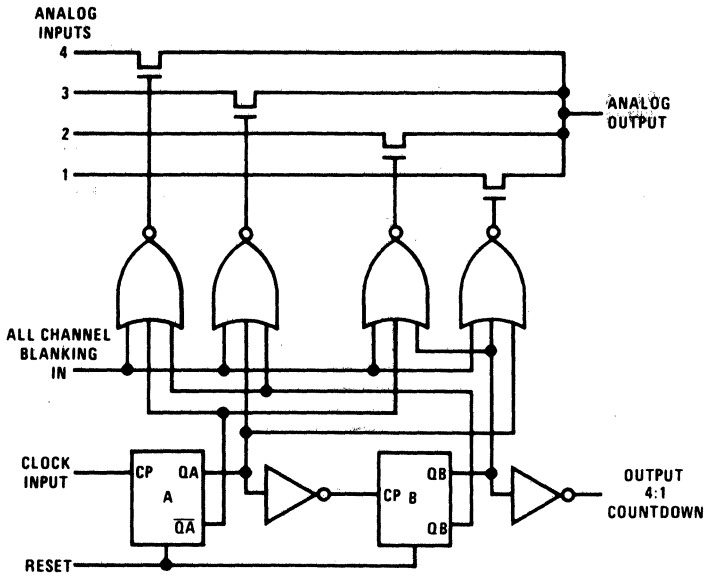


K30-62

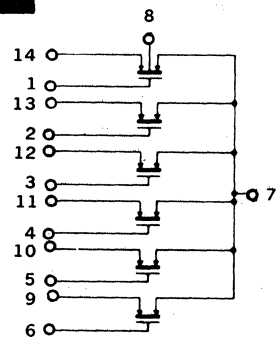
K30-62a

V_{DD} = Pin 16
V_{SS} = Pin 8

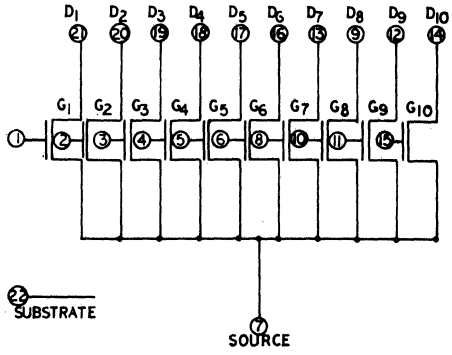
K30-63



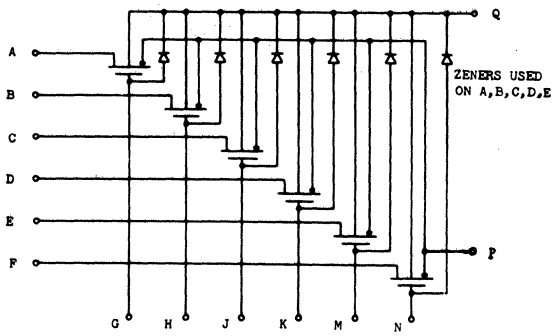
K30-64



K30-65

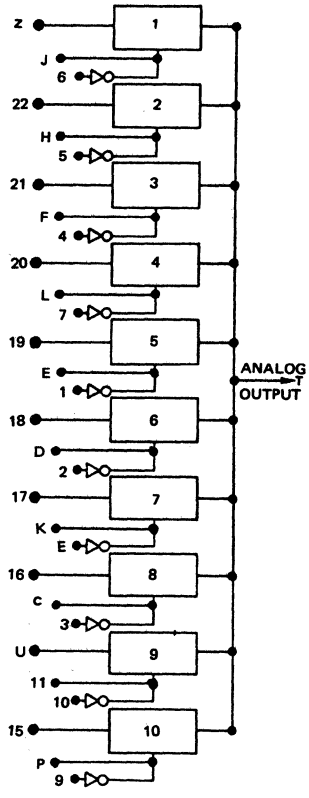


K30-66

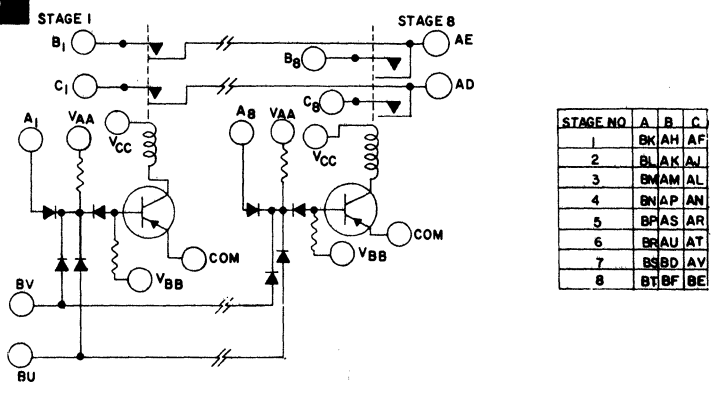


	CKT NO.	NO. OF STAGES	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
K30-66,-6	1	6	14	13	12	11	10	9	1	2	3	4	5	6	7	8

K30-67

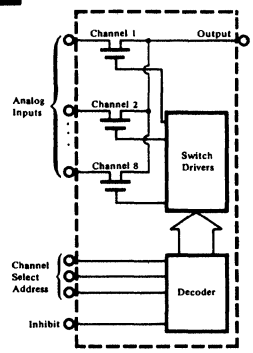


K30-68

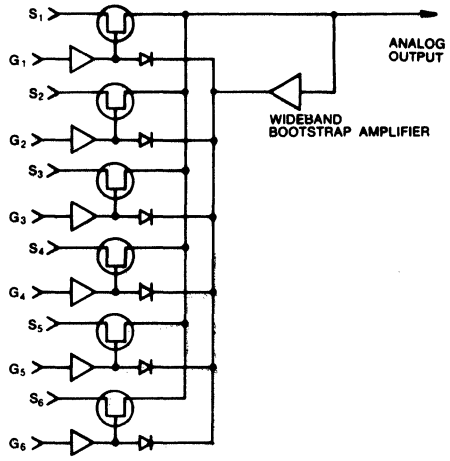


STAGE NO	A	B	C
1	BK	AH	AF
2	BL	AK	AJ
3	BM	AM	AL
4	BN	AP	AN
5	BP	AS	AR
6	BR	AU	AT
7	BS	BD	AV
8	BT	BF	BE

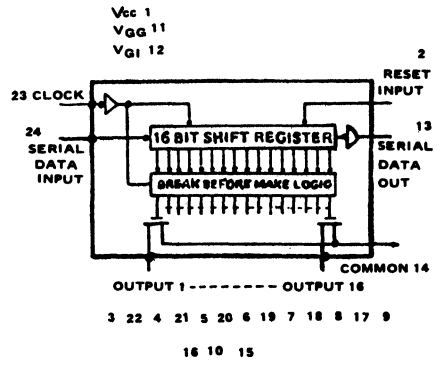
K30-69



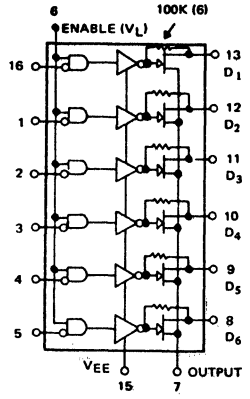
K30-70



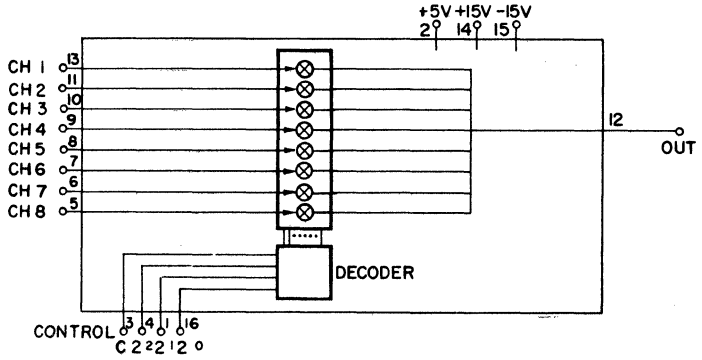
K30-71



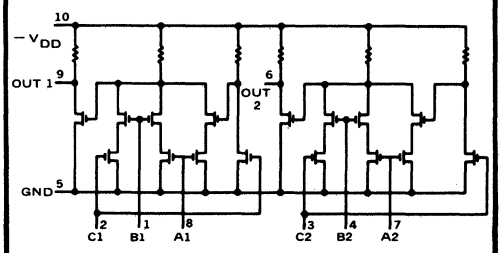
K30-72



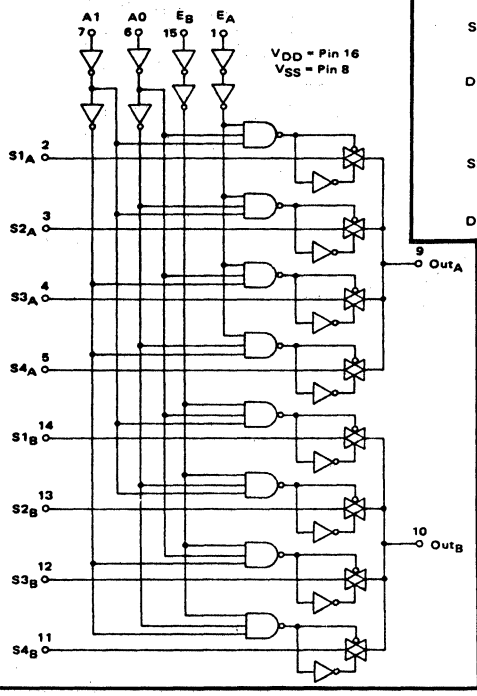
K30-73



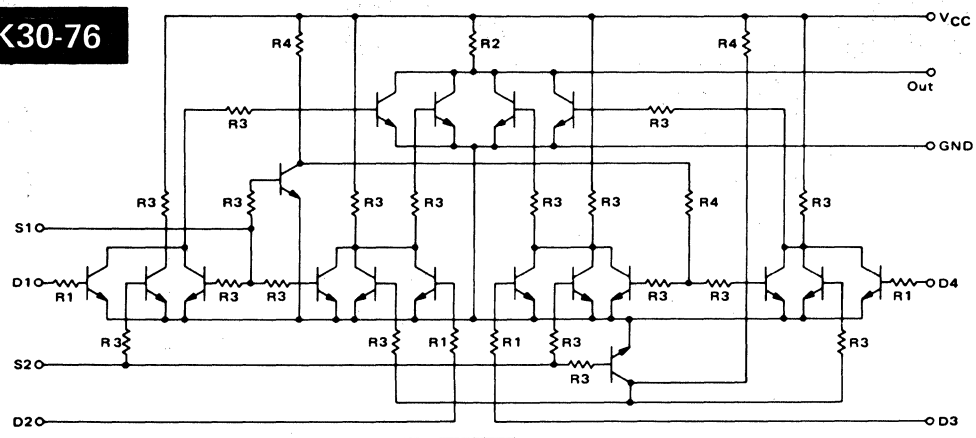
K30-74



K30-75

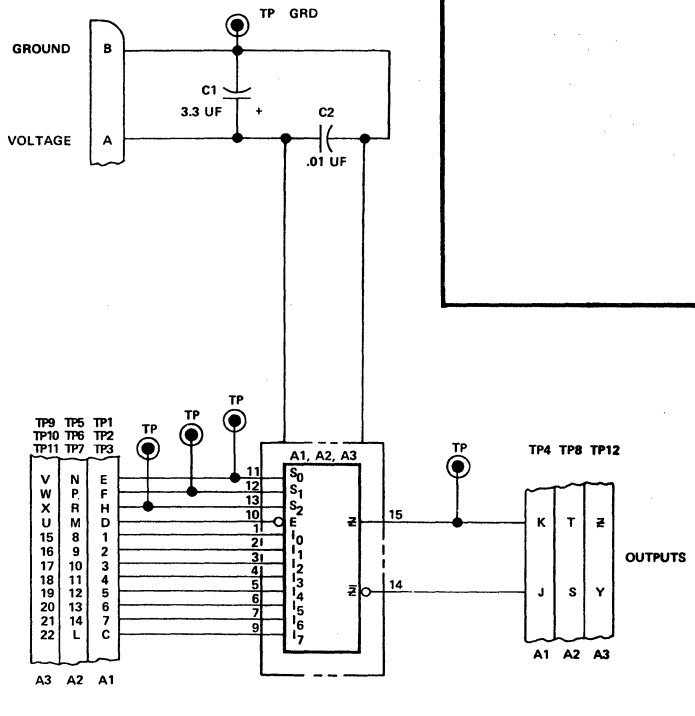


K30-76

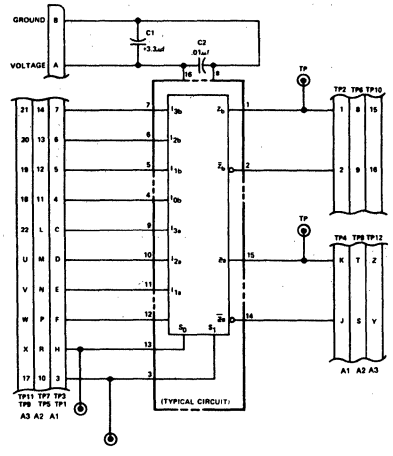


K30-77

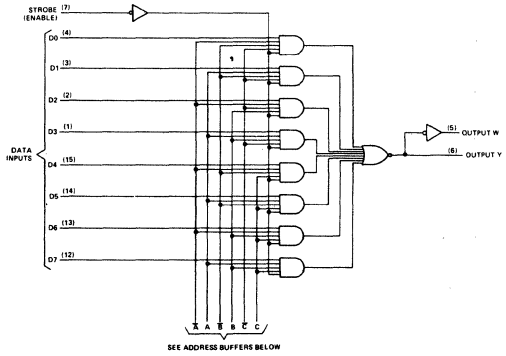
CKT	D_1	D_2	D_3	D_4	S_1	S_2	Out	VCC	GND
1	2	3	15	14	16	1	5	13	4
2	8	7	11	12	9	10	6		

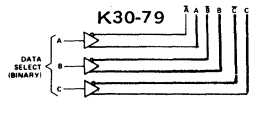


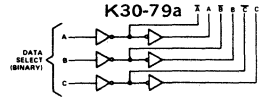
K30-78



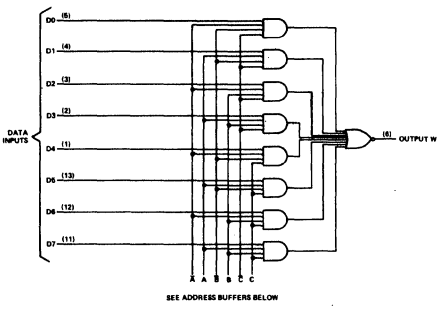
K30-79

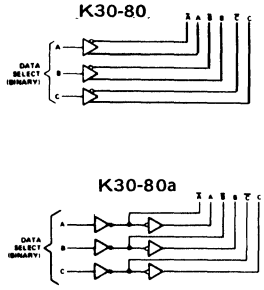




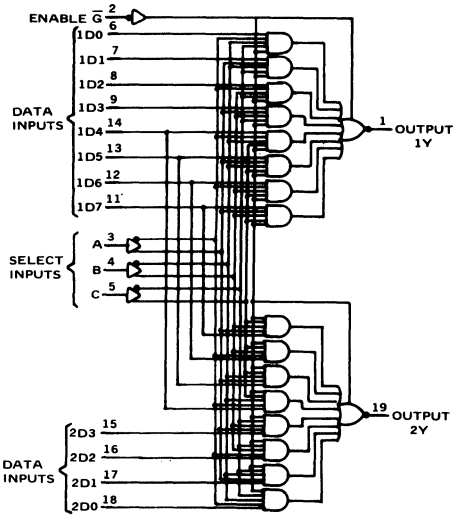


K30-80

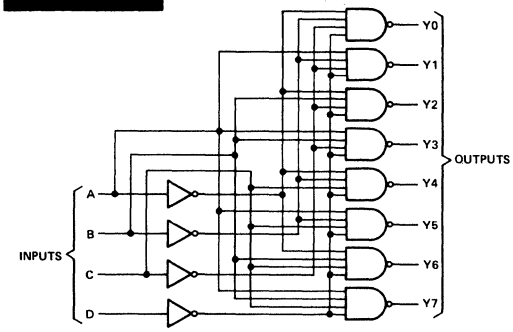


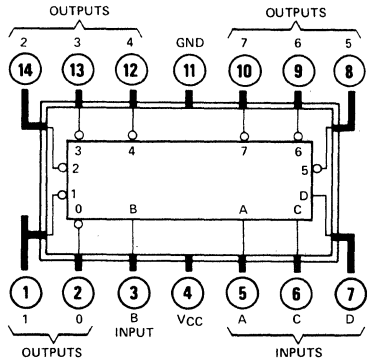


K30-81

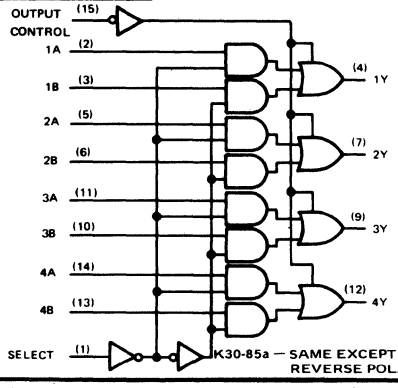


K30-83



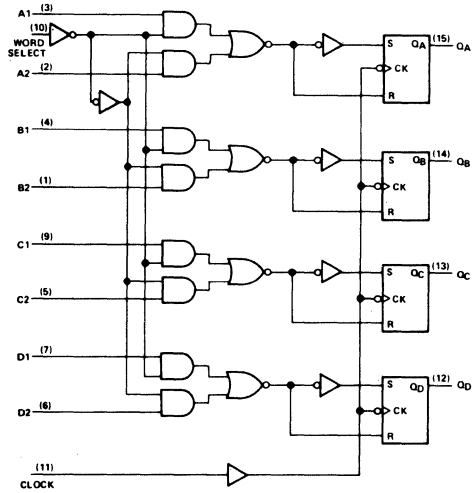


K30-85



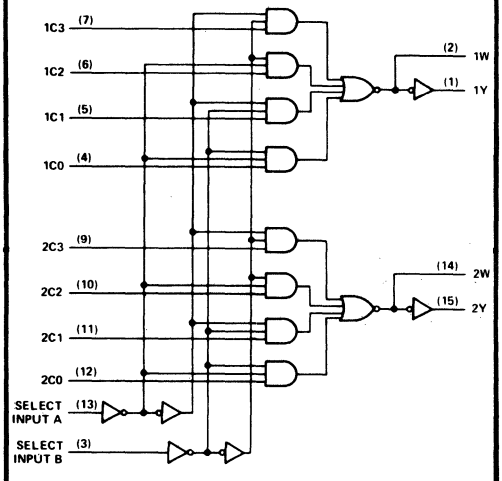
K30-85a — SAME EXCEPT FOR REVERSE POLARITY.

K30-86

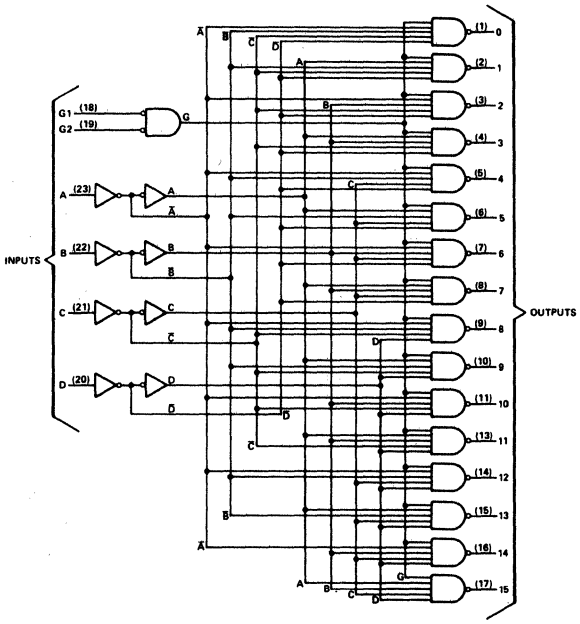


⊕ . . . Dynamic input activated by a transit on from a high level to a low level

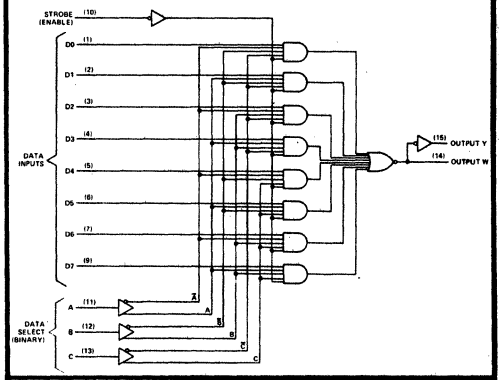
K30-87



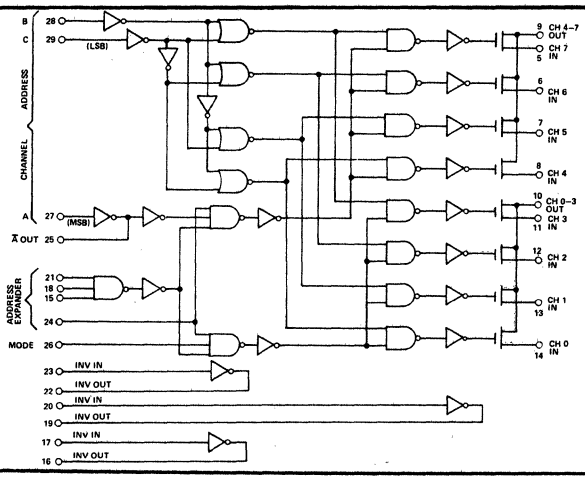
K30-88



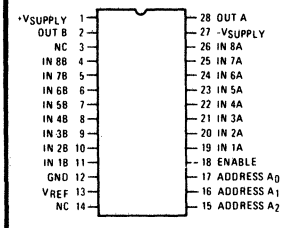
K30-89

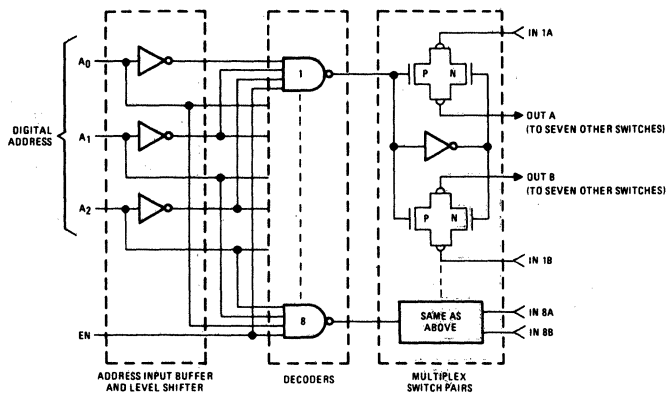


K30-90

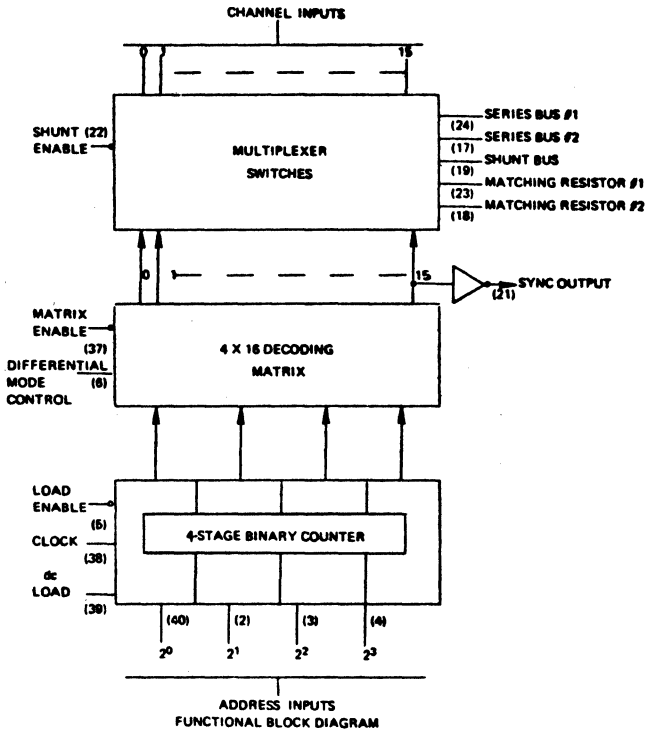


K30-92



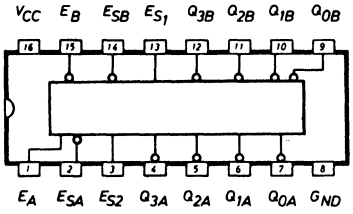


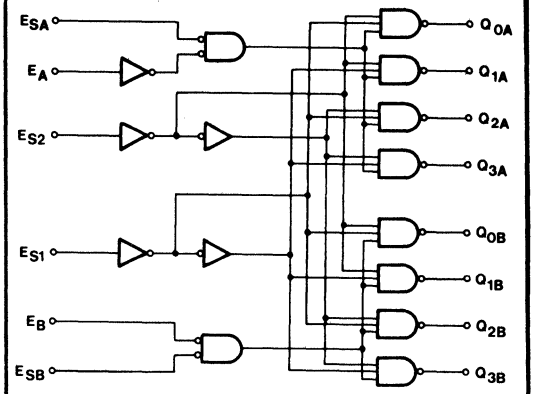
K30-93



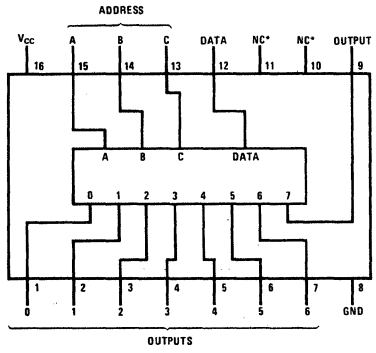
FUNCTIONAL BLOCK DIAGRAM

K30-94

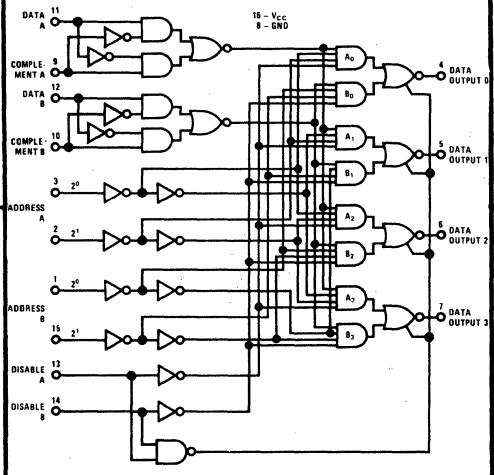




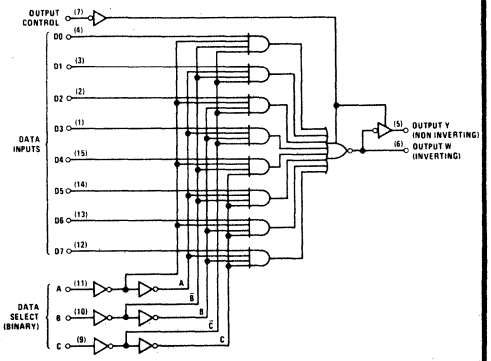
K30-95



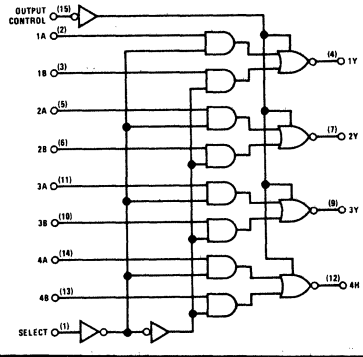
K30-96



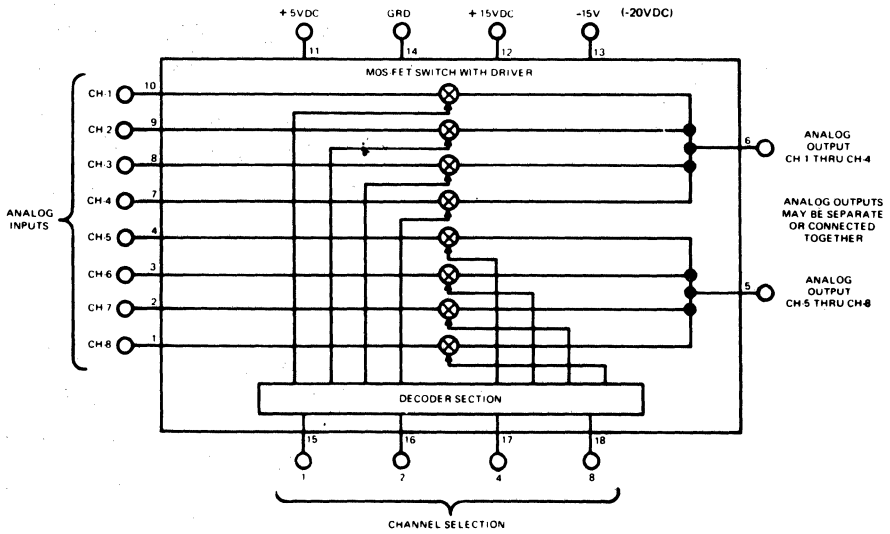
K30-97



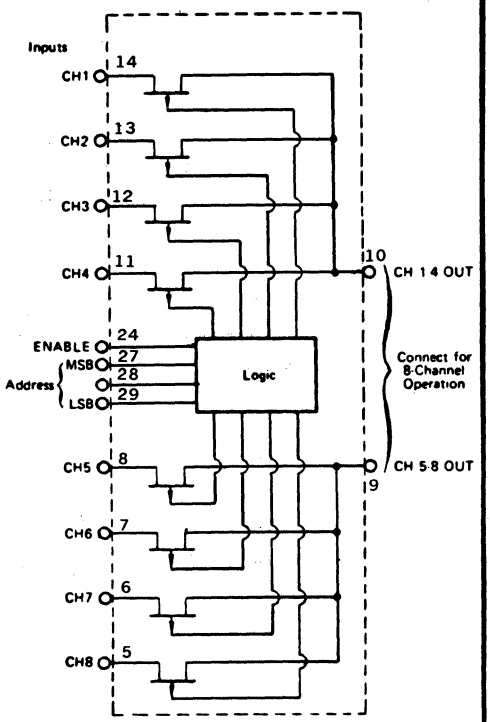
K30-98



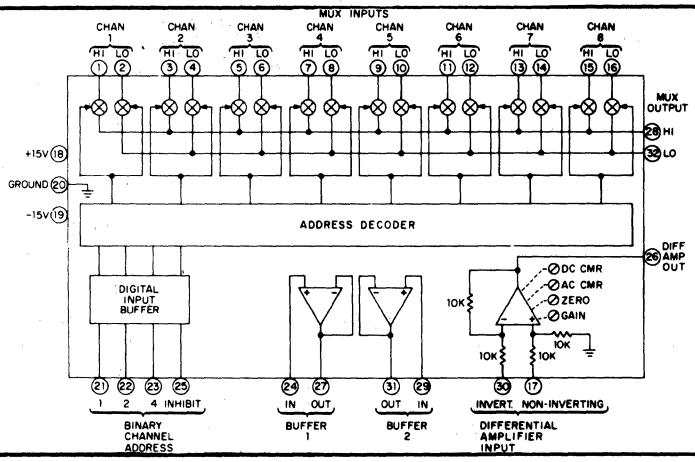
K30-99



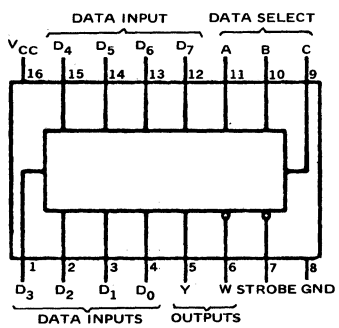
K30-102



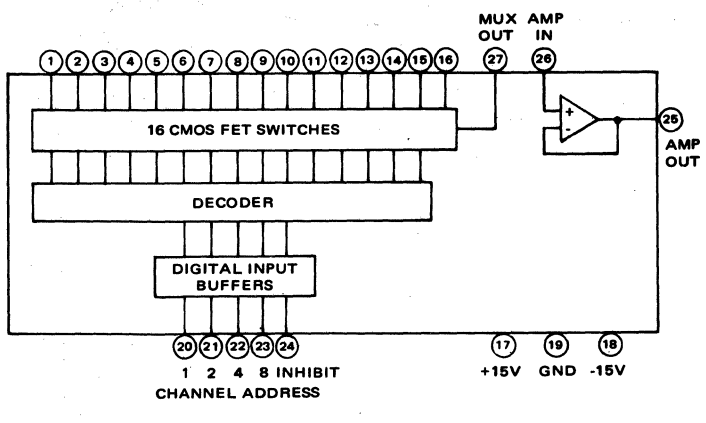
K30-100



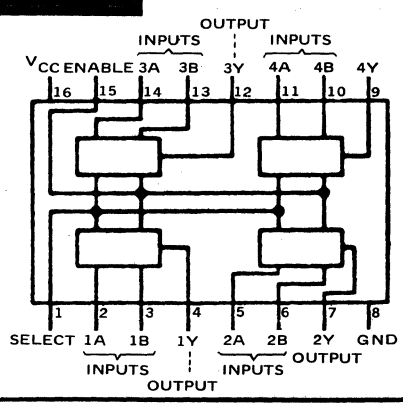
K30-103



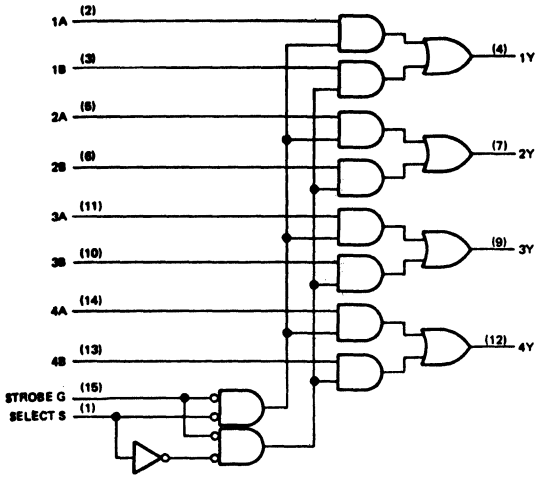
K30-101



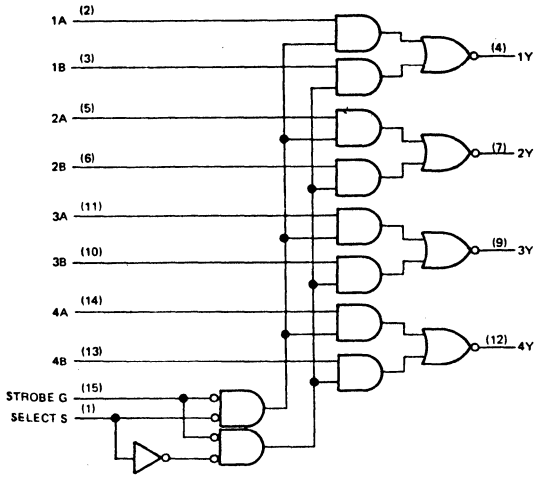
K30-104



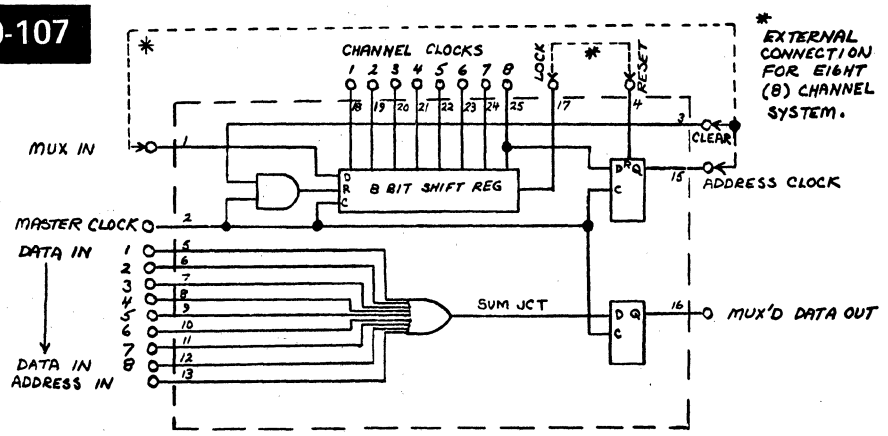
K30-105



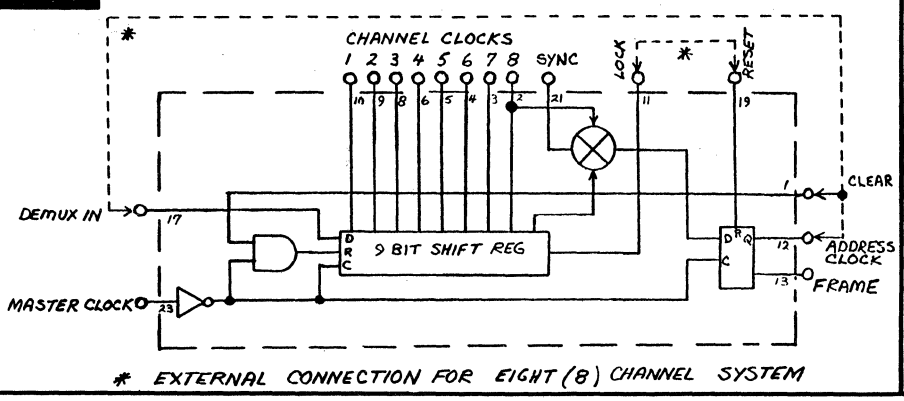
K30-106



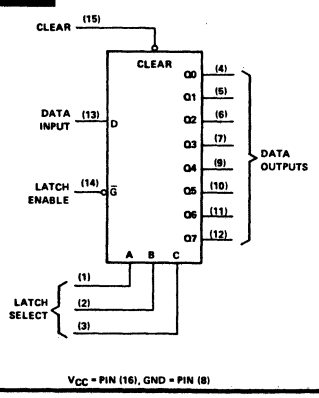
K30-107



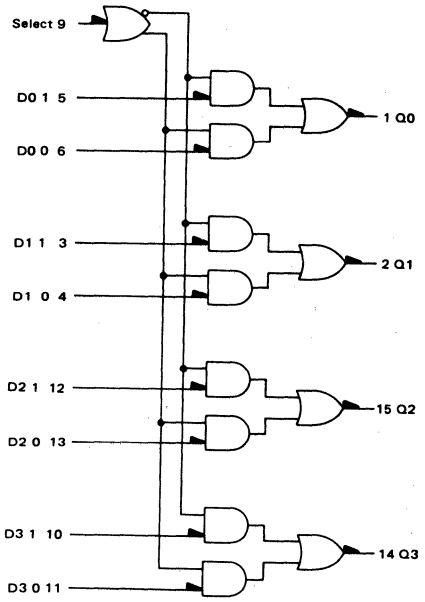
K30-108



K30-109

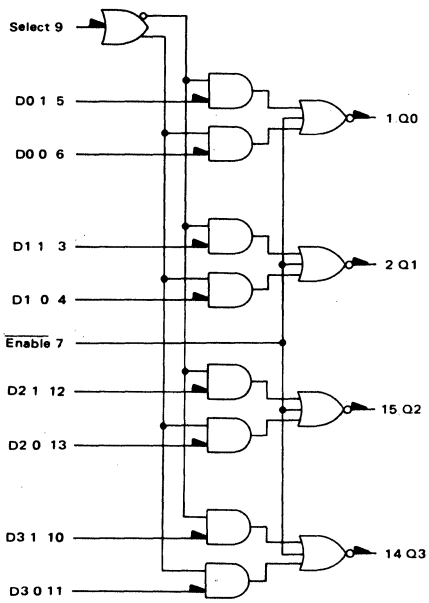


K30-110



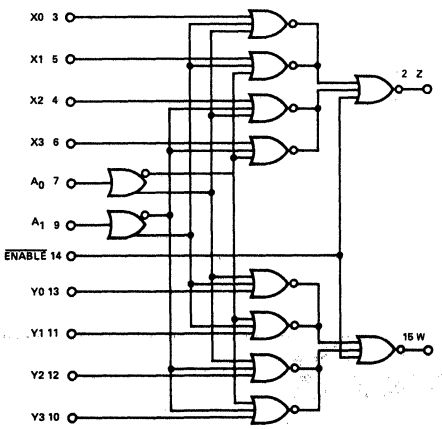
V_{CC} = Pin 16
V_{EE} = Pin 8

K30-111



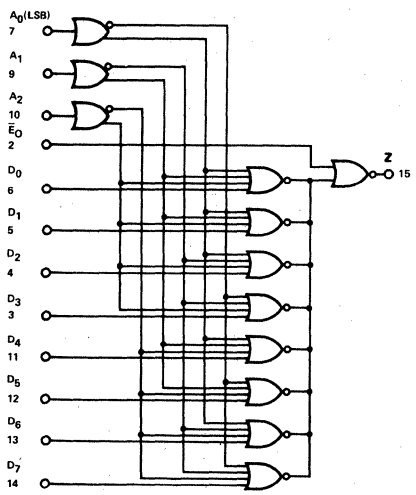
V_{CC} = Pin 16
V_{EE} = Pin 8

K30-113



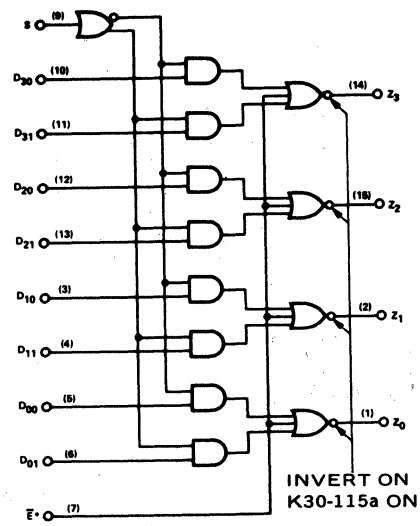
V_{CC1} = 1, V_{CC2} = 16, V_{EE} = 8

K30-114



V_{CC1} = 1, V_{CC2} = 16, V_{EE} = 8

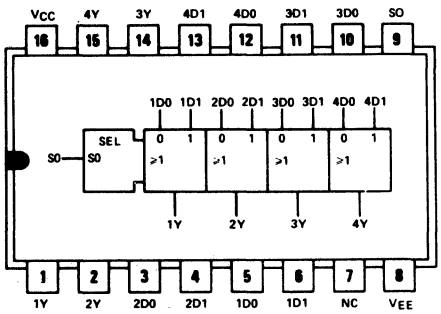
K30-115



INVERT ON K30-115a ONLY.

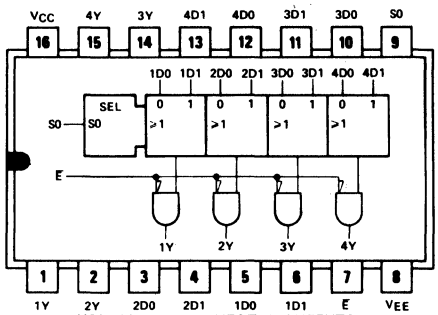
* K30-115a ONLY (PIN 7 OPEN ON K30-115)
$V_{CC}1=V_{CC}2=1$, $V_{EE}=8$

K30-116



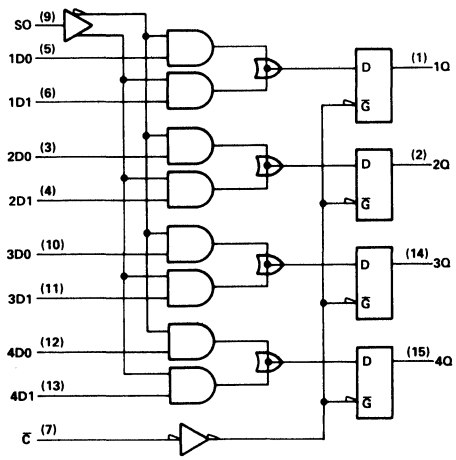
NC—No internal connection

K30-118

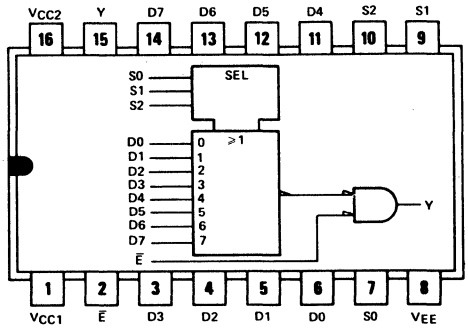


K30-118a — HAS INVERTED OUTPUTS.

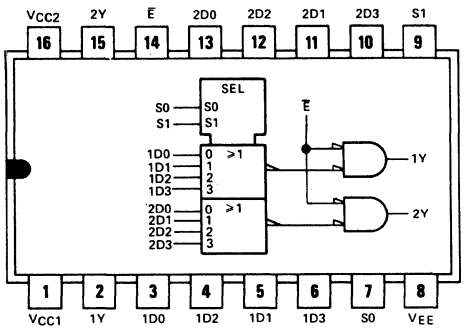
K30-119



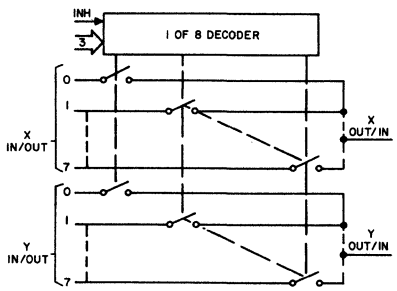
K30-120

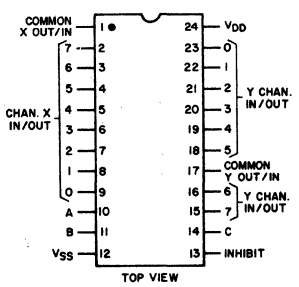


K30-121

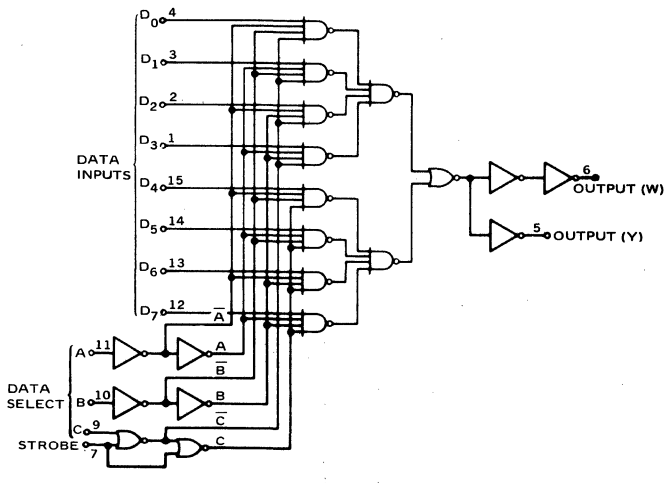


K30-122

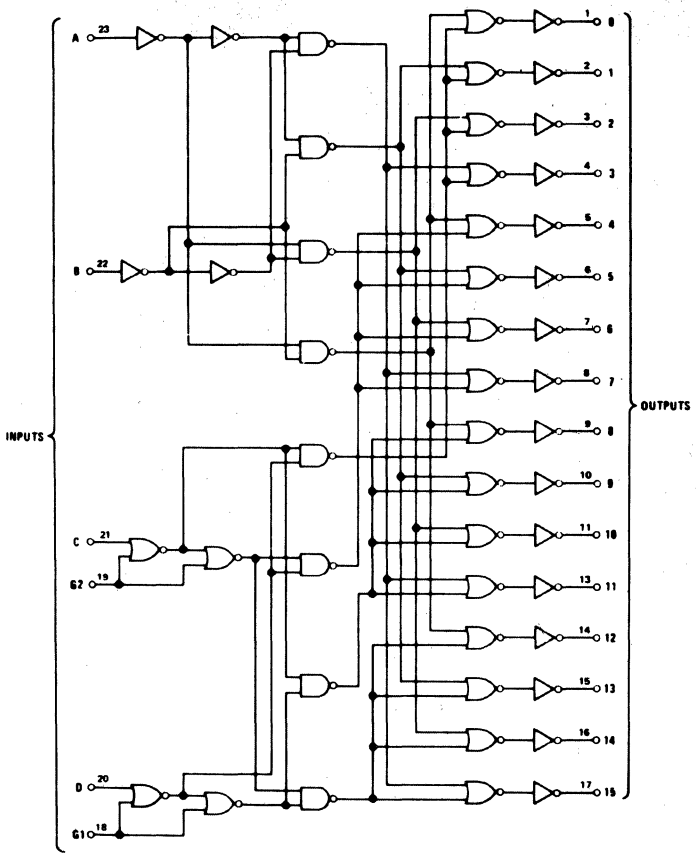




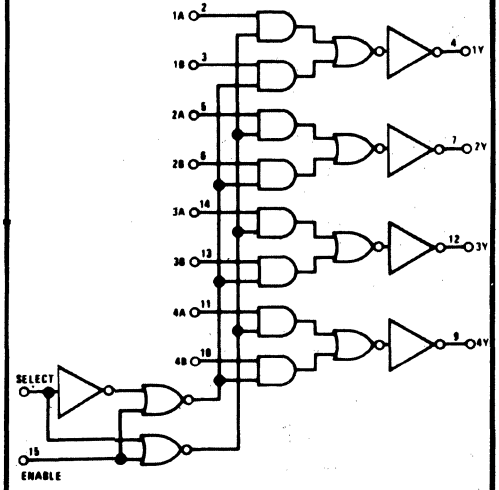
K30-123



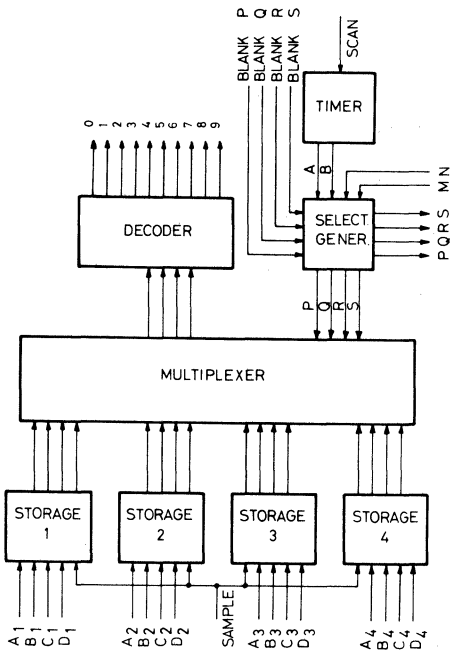
K30-124



K30-125

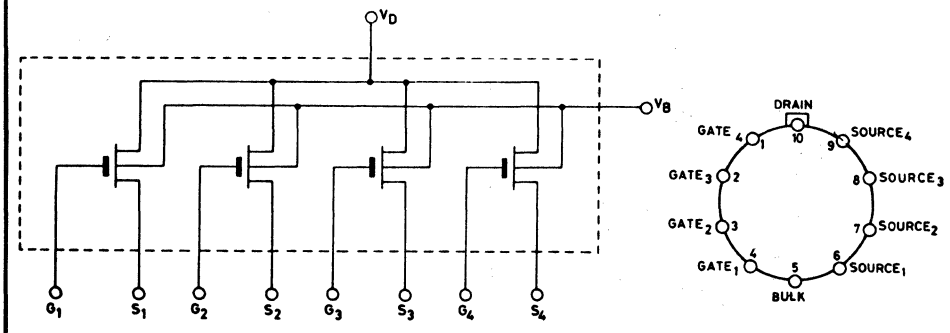


K30-126

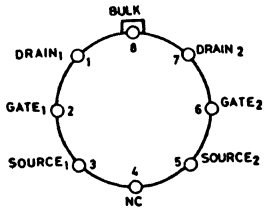


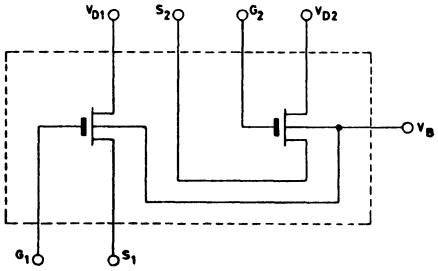
1	V_{SS}	21	B4
2	"9"	22	B3
3	"8"	23	B2
4	"7"	24	B1
5	"6"	25	A4
6	"5"	26	A3 } LSD
7	"4"	27	A2
8	"3"	28	A1
9	"2"	29	V_{GG}
10	"1"	30	M
11	"0"	31	N
12	SAMPLE	32	P
13	D4	33	Q
14	D3 } MSD	34	R
15	D2	35	S
16	D1	36	BLANK S
17	C4	37	BLANK R
18	C3	38	BLANK Q
19	C2	39	BLANK P
20	C1	40	SCAN

K30-127

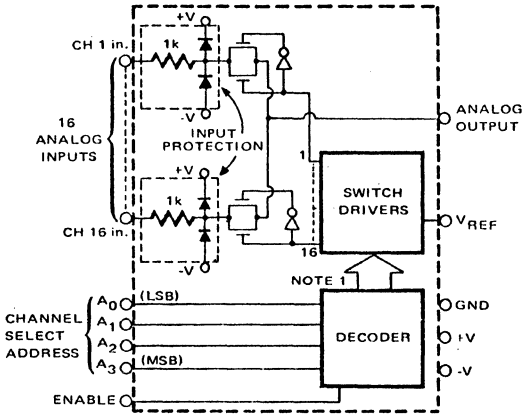


K30-128

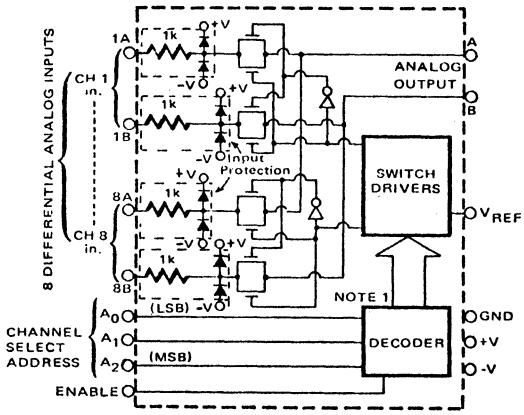




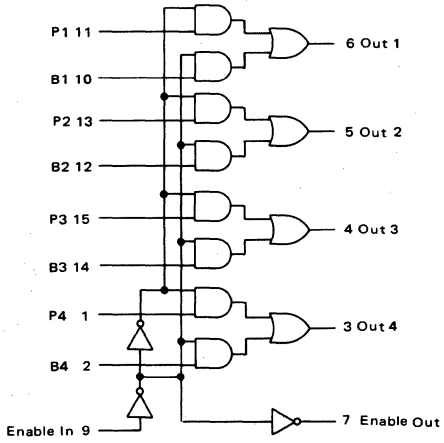
K30-129



K30-130



K30-131

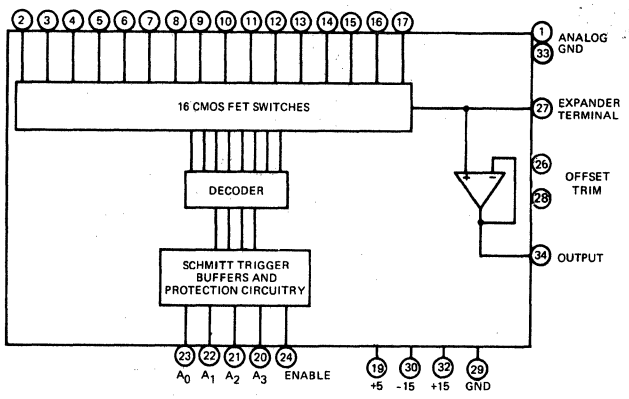


K30-132

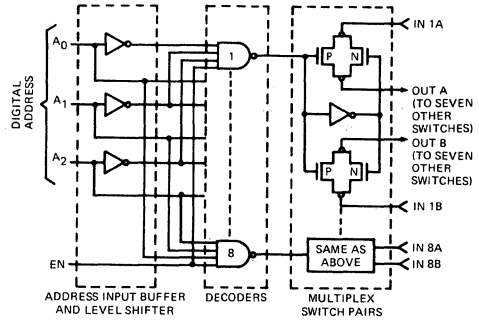
SERDEX MULTIPLEXER CARD
SIGNAL AND PIN DESIGNATIONS

PIN	FUNCTION	MODULE PIN	MODULE PIN	FUNCTION	PIN
2	Ground				1
4			SMC A23	A1 Data Return	3
6				Spare	5
8			SMC A23, D8, D19 by W17	Spare	7
10				Spare	9
12			SMC A8, A2 by W18	TTL IN	11
14				Spare	13
16				Spare	15
18			SMC D23	Address A	17
20			SMC D22	Address B	19
22			SMC D21	Address C	21
24			SMC D20	HI Data Select	23
26				Clock	25
28			SMX A2	Loop 0	27
30			SMX A4	Loop 1	29
32			SMX A6	Loop 2	31
34			SMX A8	Loop 3	33
36			SMX B8	Loop 4	35
38			SMX B6	Loop 5	37
40			SMX B4	Loop 6	39
42			SMX B2	Loop 7	41
44			SMC D6, D11 by W10	Channel Return	43
46			SMC D5	Data Out	45
48			SMC D3	X ALL	47
50				Spare	49
52				Spare	51
54				Spare	53
56				Spare	55
58				Spare	57
60				Spare	59
62			SMC A10	- IN	61
64			SMC A7	+ IN	63
66				Spare	65
68			SMC A20, A8 by W20	TTL OUT	67
70				-15VDC	69
72	+5V			Spare	71

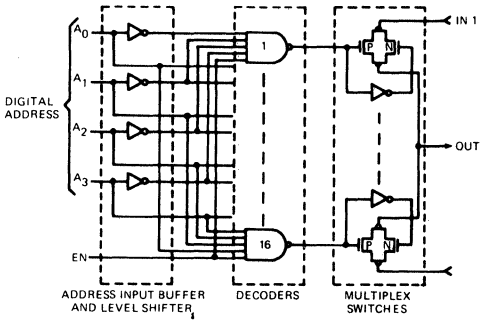
K30-133

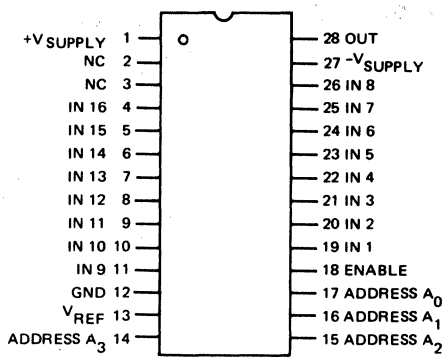


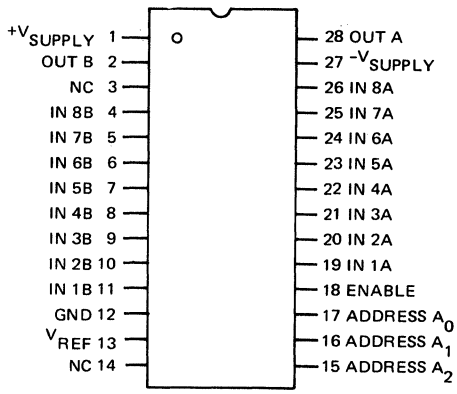
K30-134



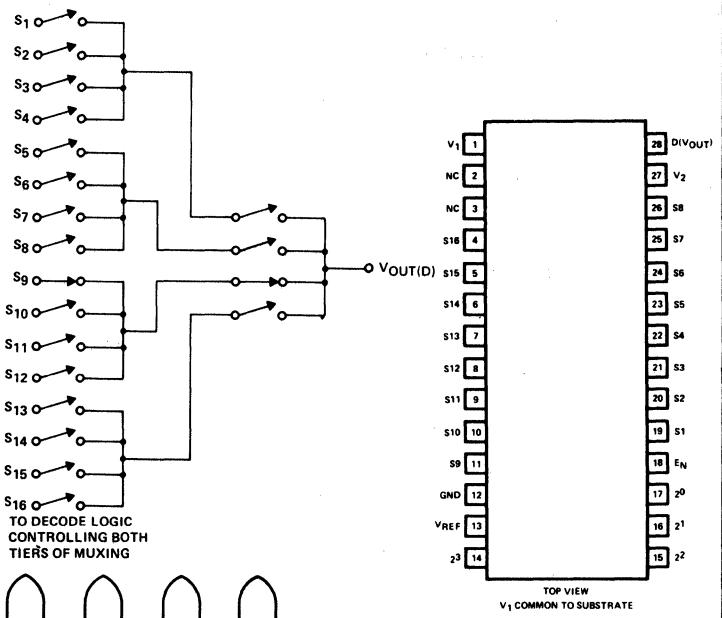
K30-135



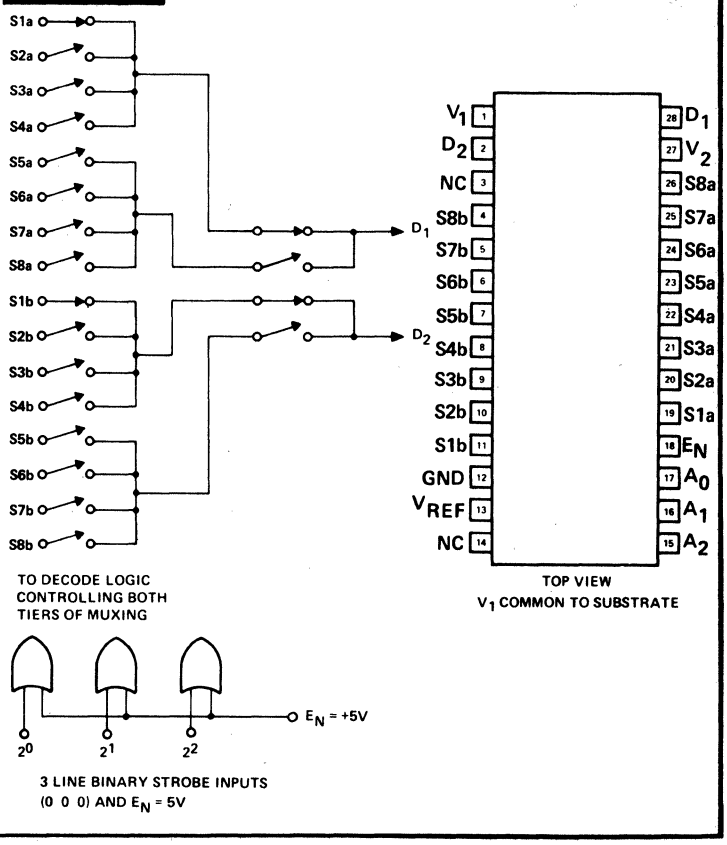




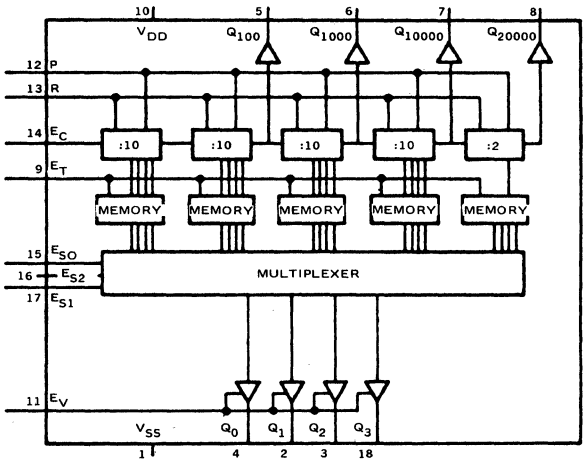
K30-136



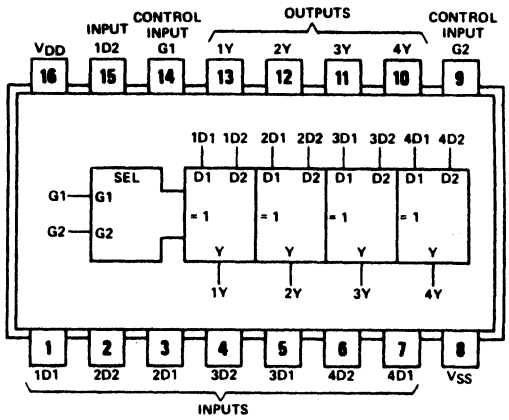
K30-137



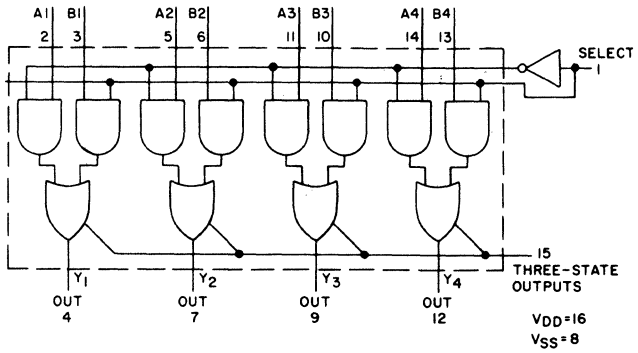
K30-138



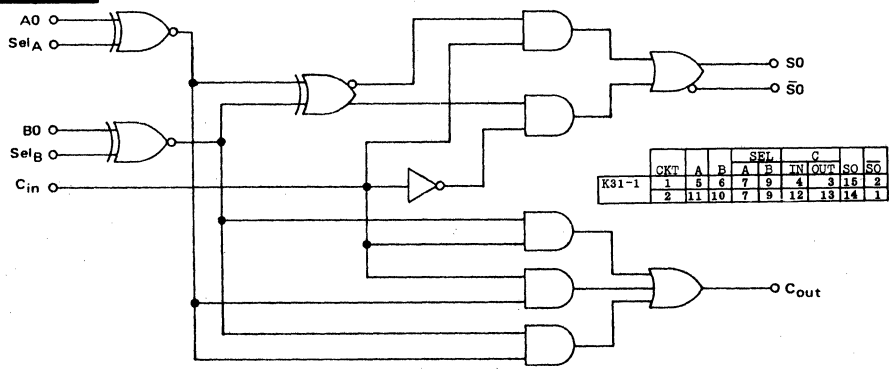
K30-139



K30-140

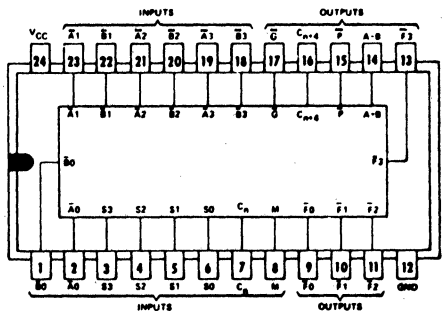


K31-1

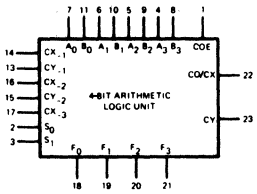


	CKT	A	B	SEL A	SEL B	C IN	C OUT	SO	S̄O
K31-1	1	5	6	7	9	4	3	15	2
	2	11	10	7	9	12	13	14	1

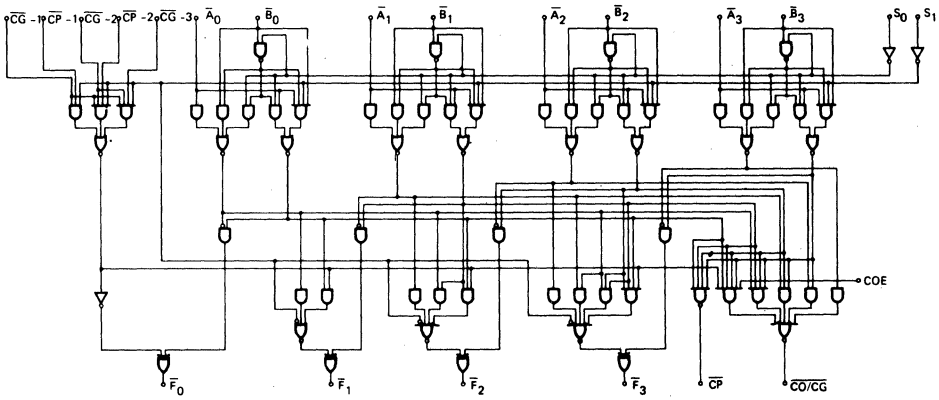
K31-2



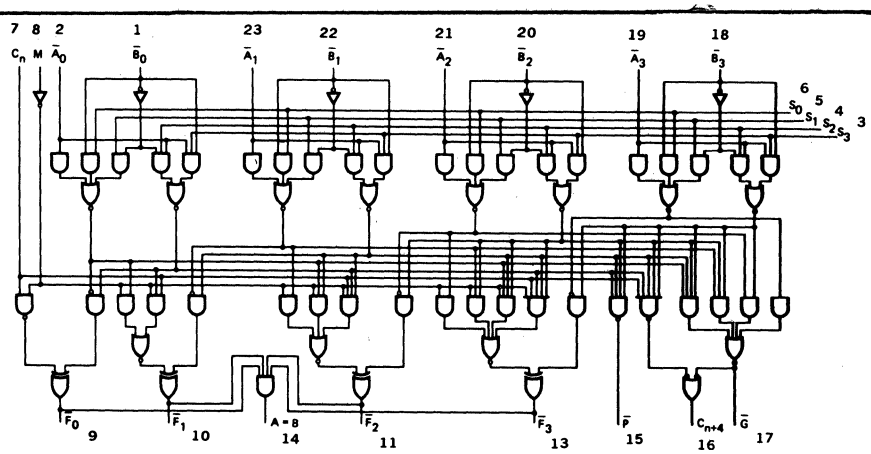
K31-3



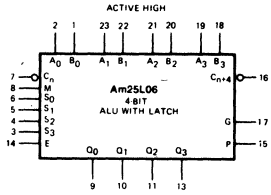
V_{CC} = PIN 24
GND = PIN 12

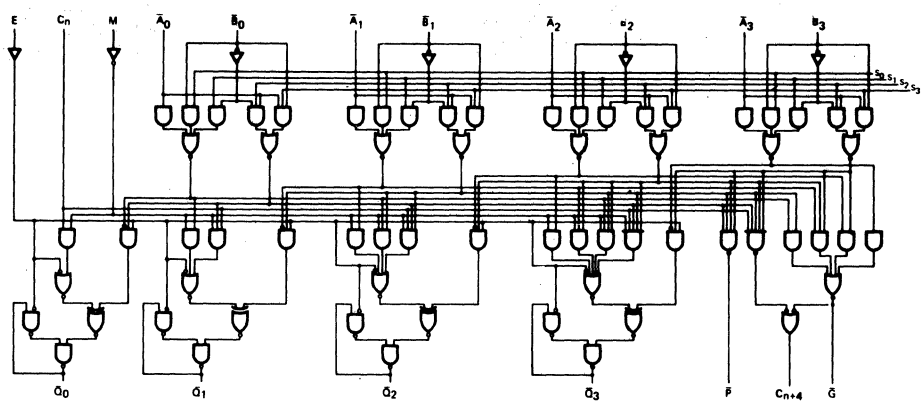


K31-4

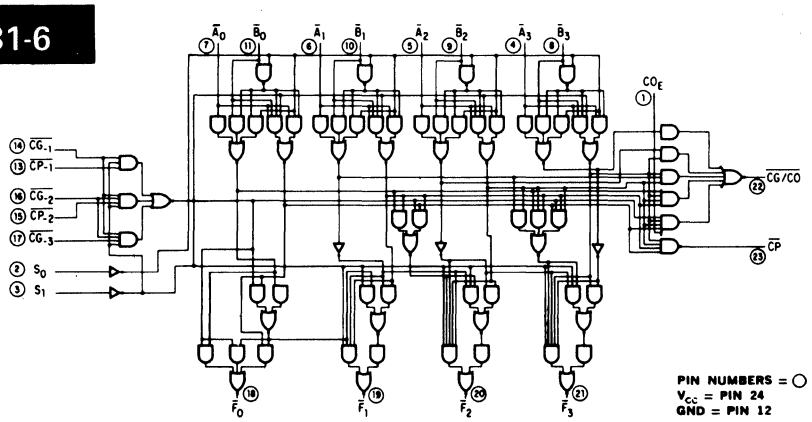


K31-5

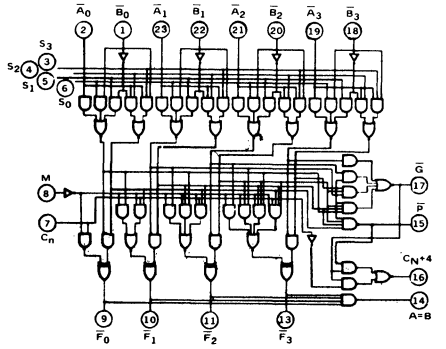




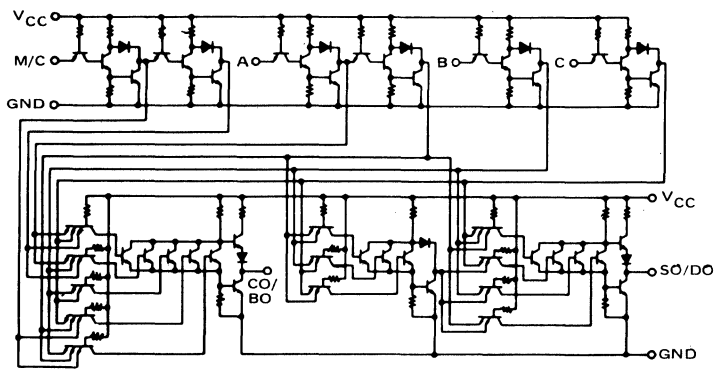
K31-6



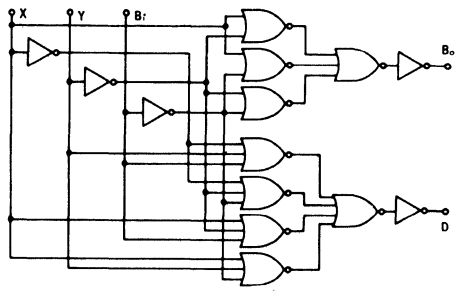
K31-7



K31-8

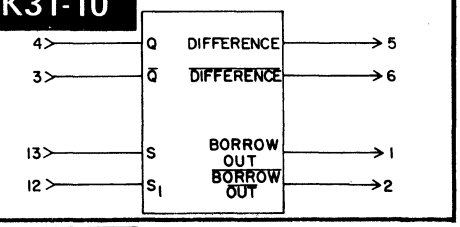


K31-9

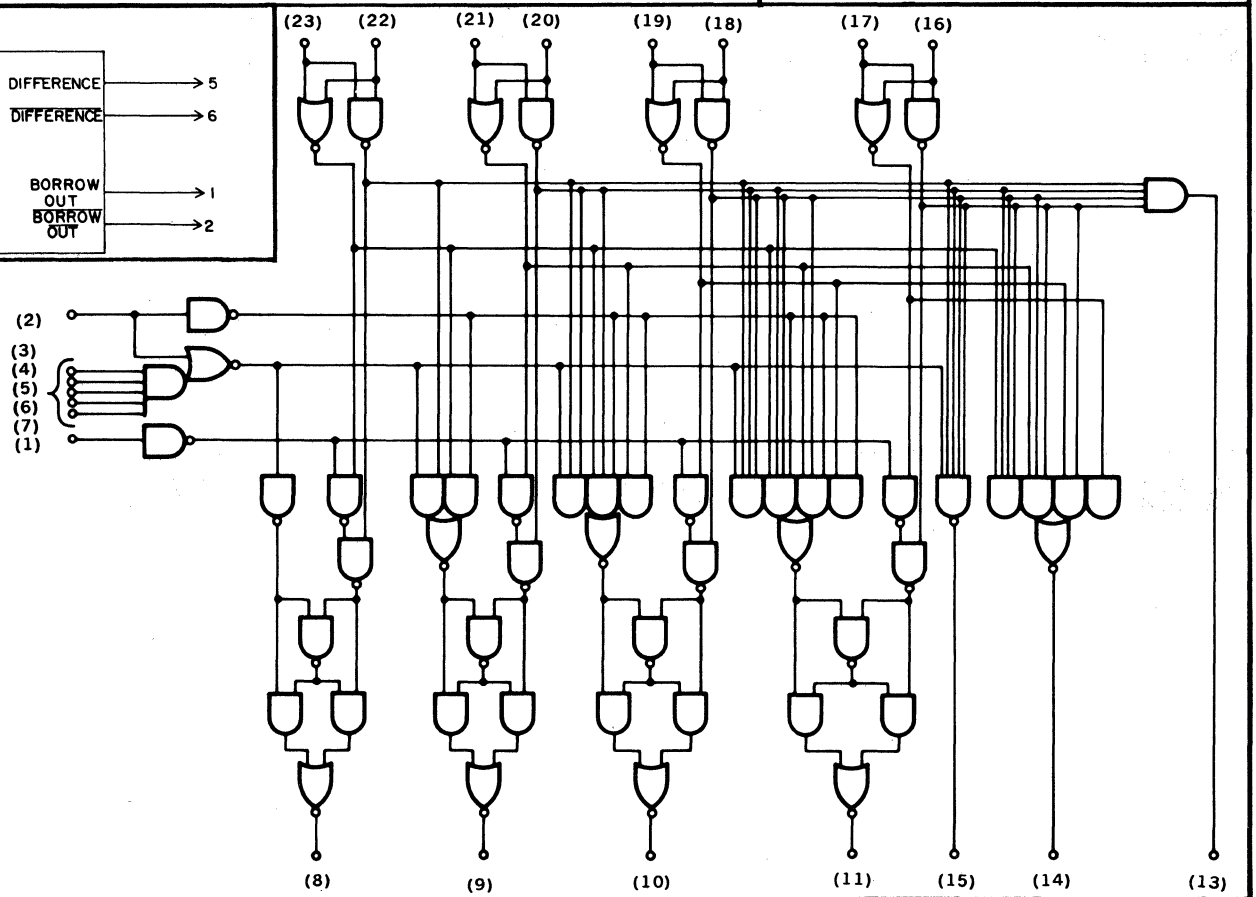


	CKT	X	Y	BI	BO	D
K31-9	1	2	14	13	3	12
	2	6	8	9	5	10
K31-9a	1	5	3	2	6	1
	2	9	11	12	8	13

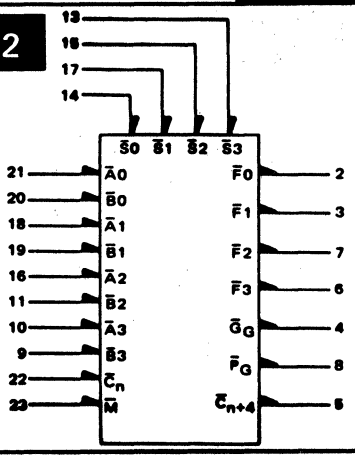
K31-10



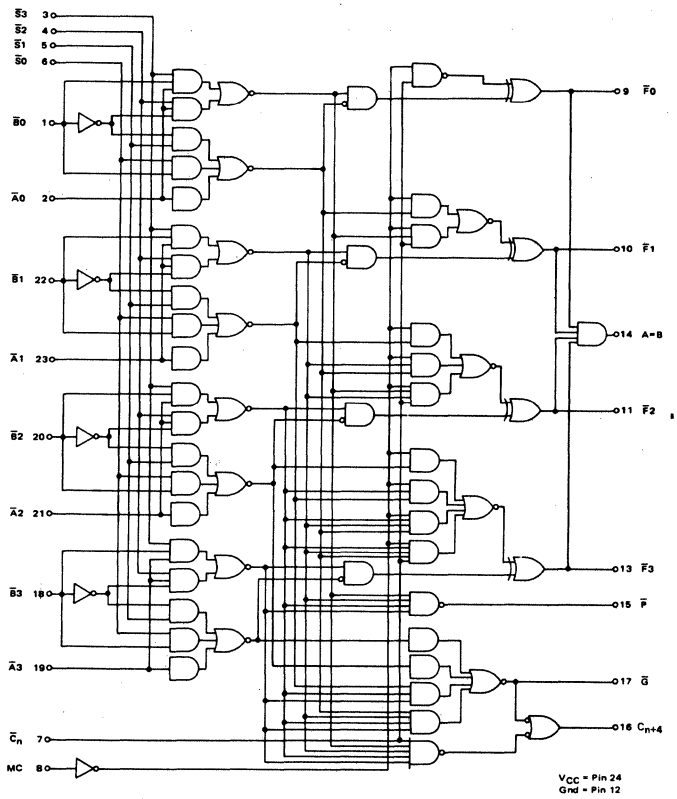
K31-11



K31-12

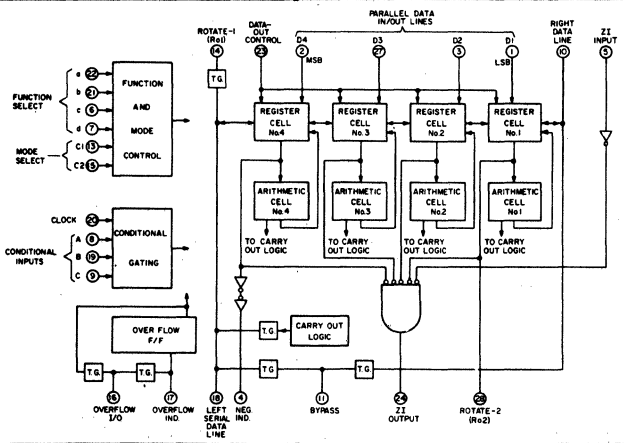


K31-13

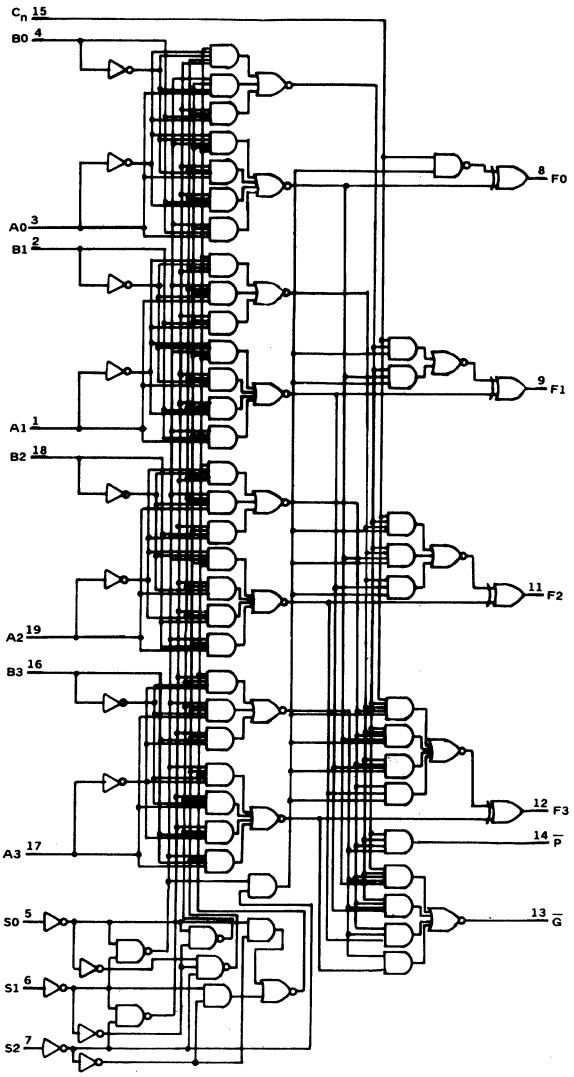


Note: Everything is defined in terms of positive logic convention.

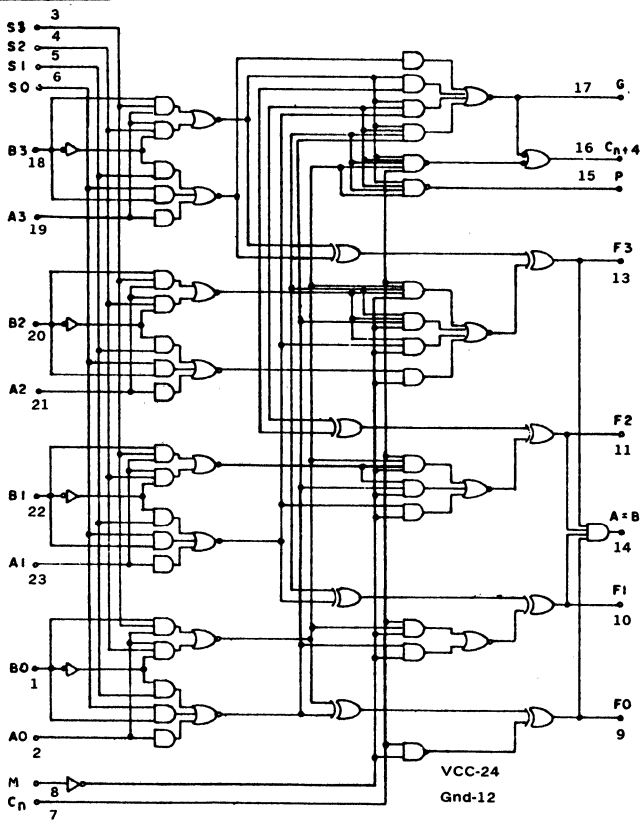
K31-14



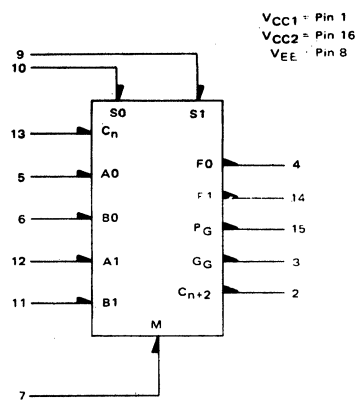
K31-16



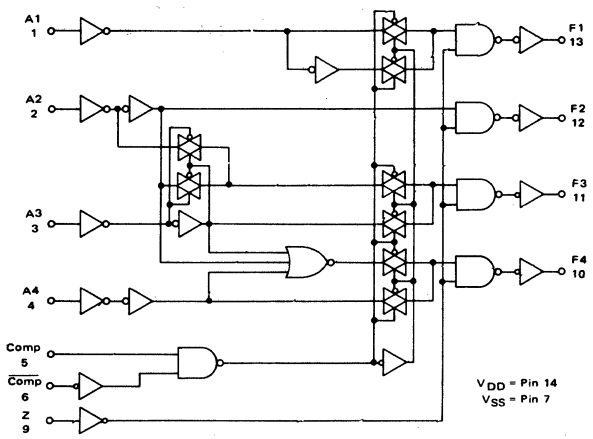
K31-17



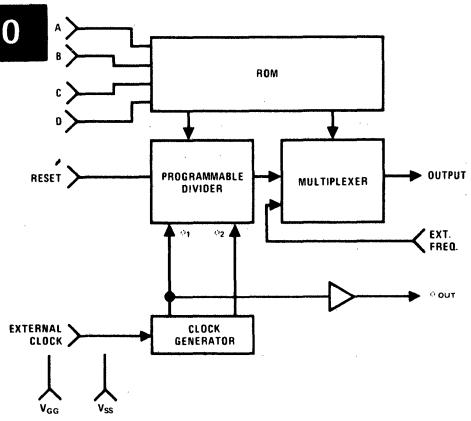
K31-18

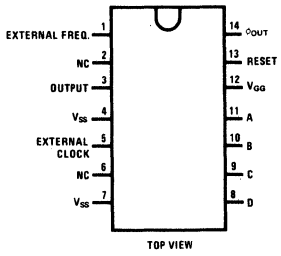


K31-19



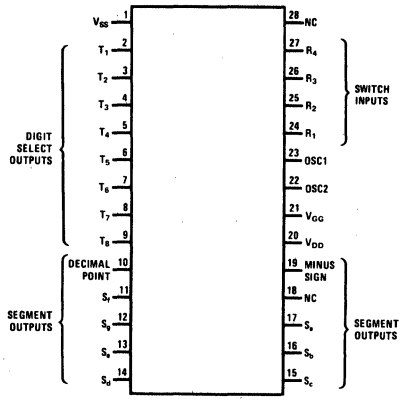
K31-20





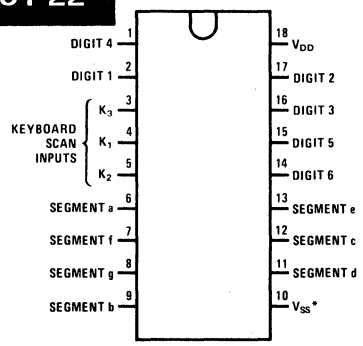
TOP VIEW

K31-21



TOP VIEW

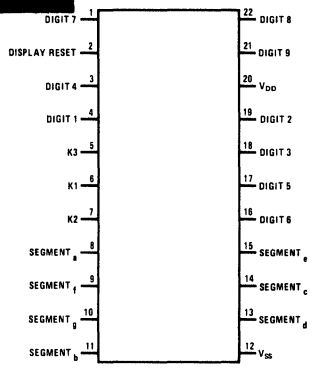
K31-22



TOP VIEW

*V_{SS} always most positive supply.

K31-23

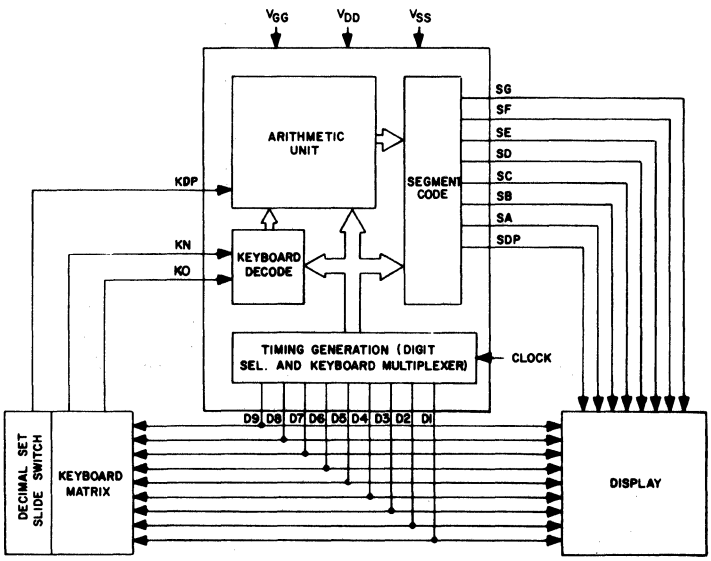


TOP VIEW

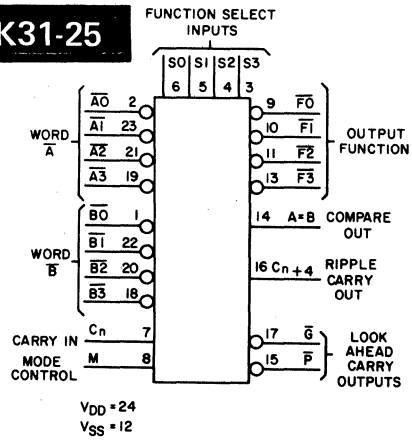
K31-24

Pin/Func.	Pin/Func.
1 V_{SS}	28 SF
2 SG	27 SE
3 MODE	26 SD
4 SPEED	25 SC
5 BLANK	24 SB
6 KN	23 SA
7 KO	22 SDP
8 V_{DD}	21 LOBAT
9 KDP	20 CLOCK
10 V_{GG}	19 D 9
11 D 8	18 D 1
12 D 7	17 D 2
13 D 6	16 D 3
14 D 5	15 D 4

PIN CONNECTIONS

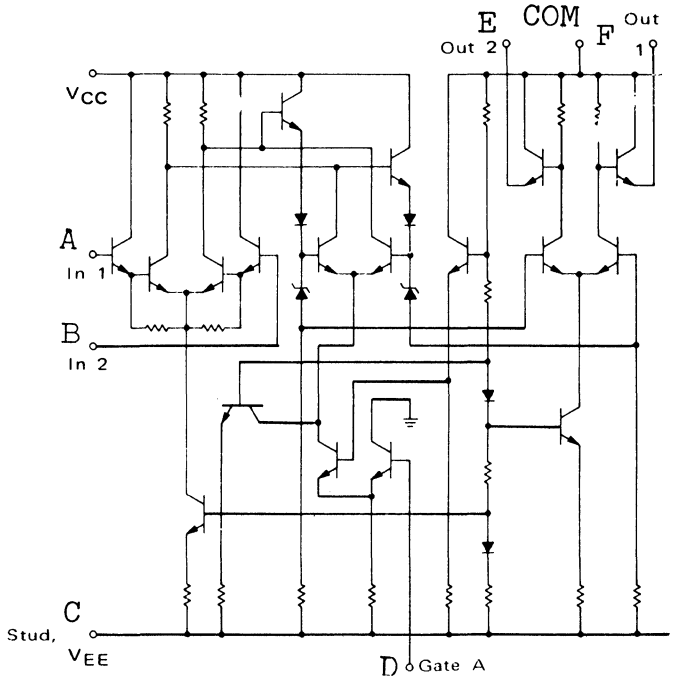


K31-25



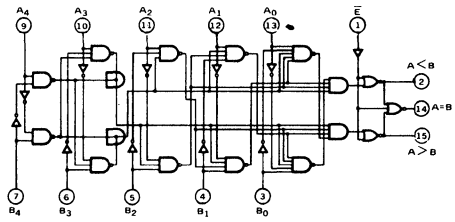
V_{DD} = 24
V_{SS} = 12

K32-1

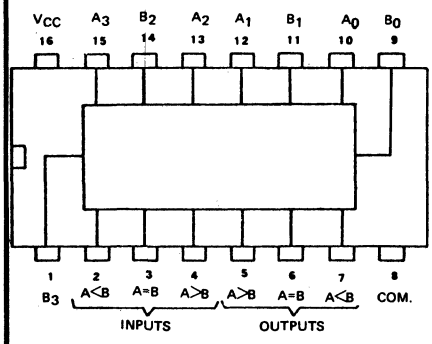


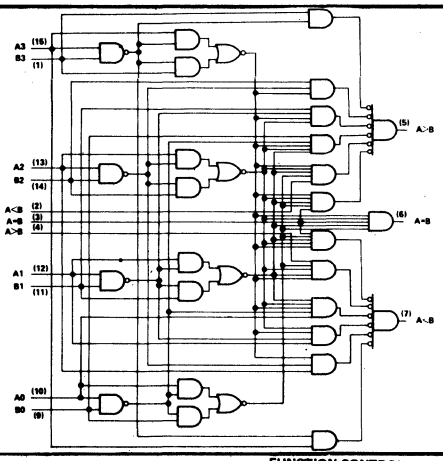
	CKT	A	B	C	D	E	F	VCC	COM	PKG
K32-1	1	6	5	15	4	3	2	7	1	FP
	2	10	9	NA	11	13	12	8	14	
	1	6	5	8	4	3	2	7	1	M
	2	12	11	NA	13	15	14	10	16	

K32-2

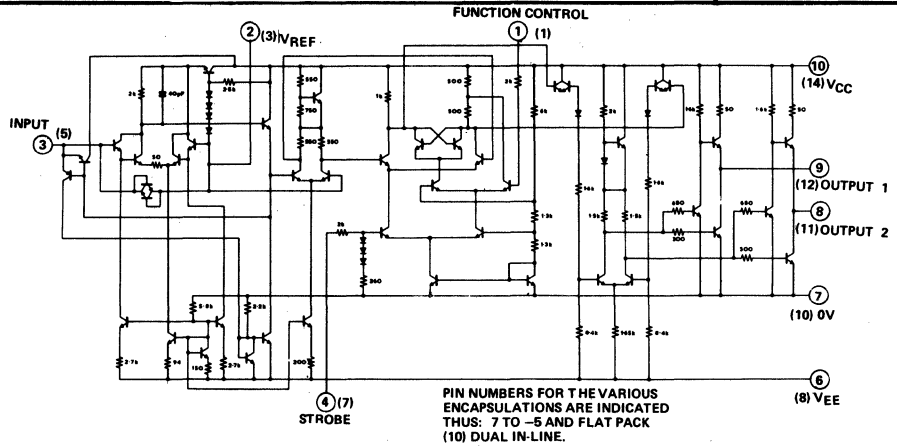


K32-3



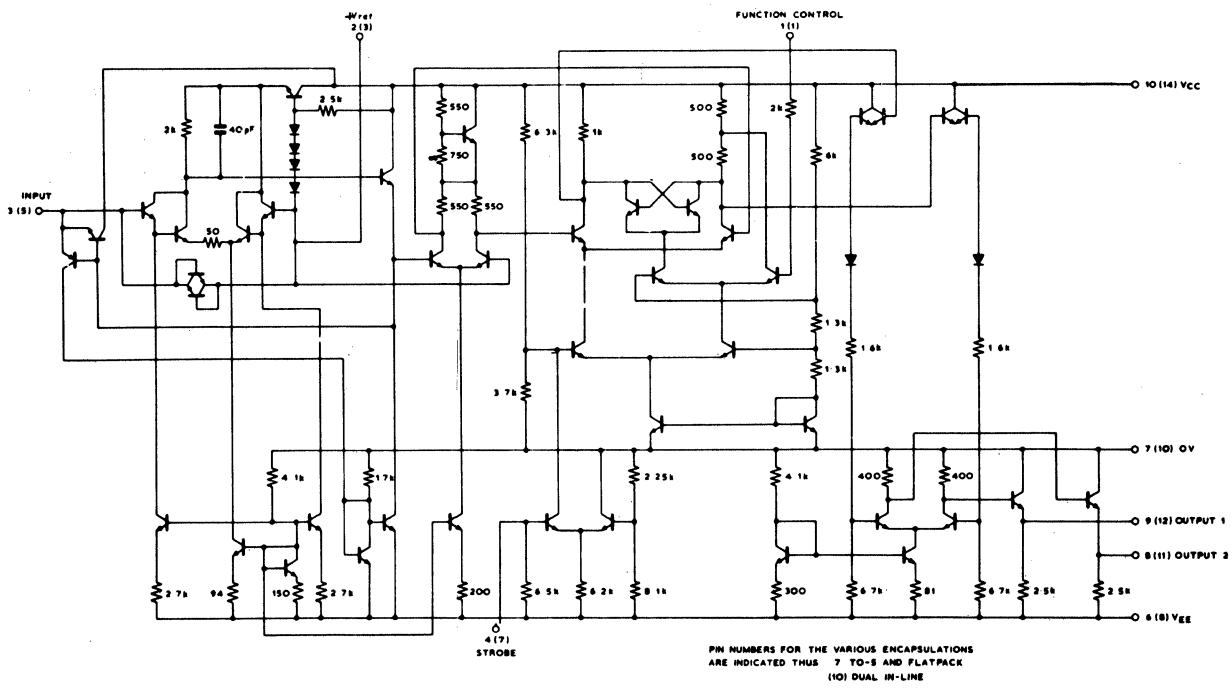


K32-4

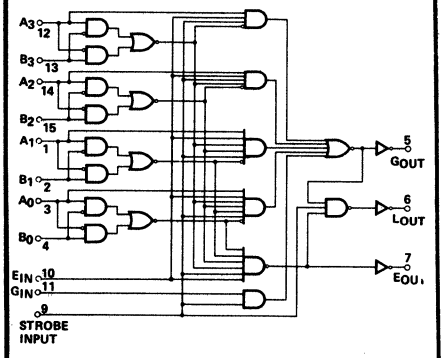


PIN NUMBERS FOR THE VARIOUS ENCAPSULATIONS ARE INDICATED THUS: 7 TO –5 AND FLAT PACK (10) DUAL IN-LINE.

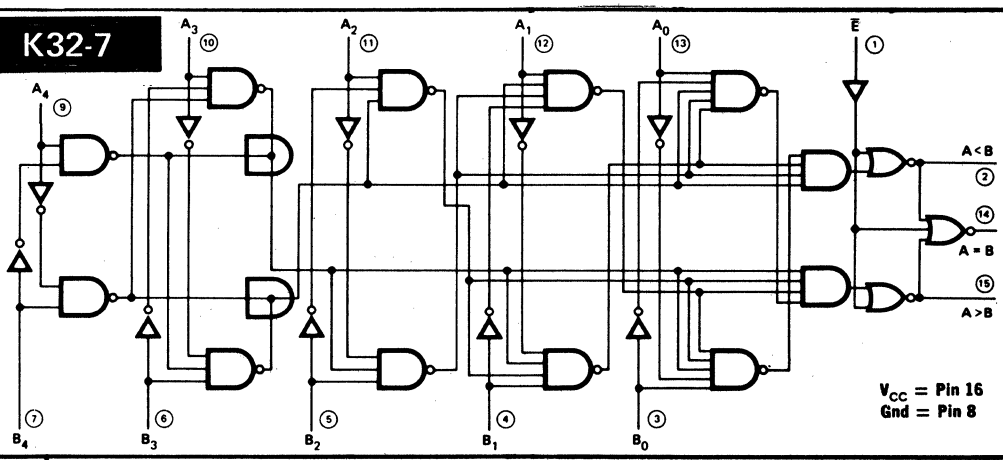
K32-5



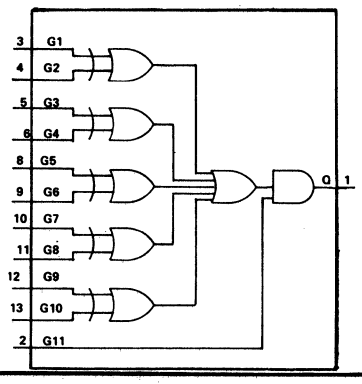
K32-6



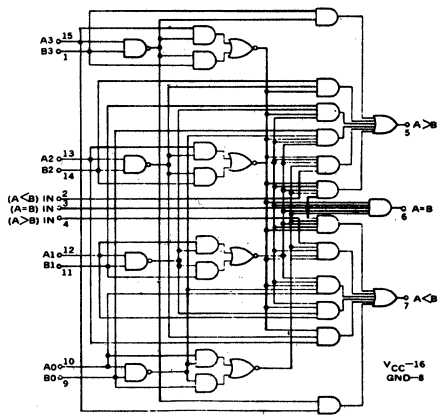
K32-7



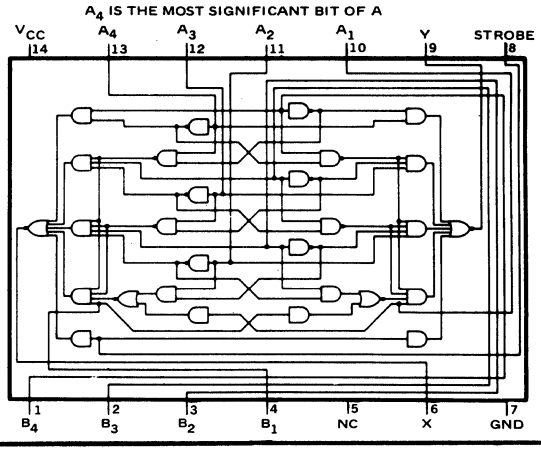
K32-8



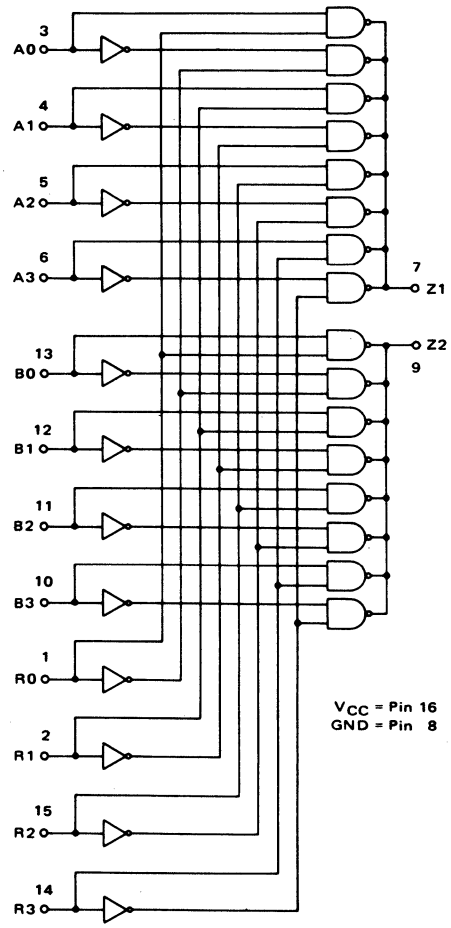
K32-9



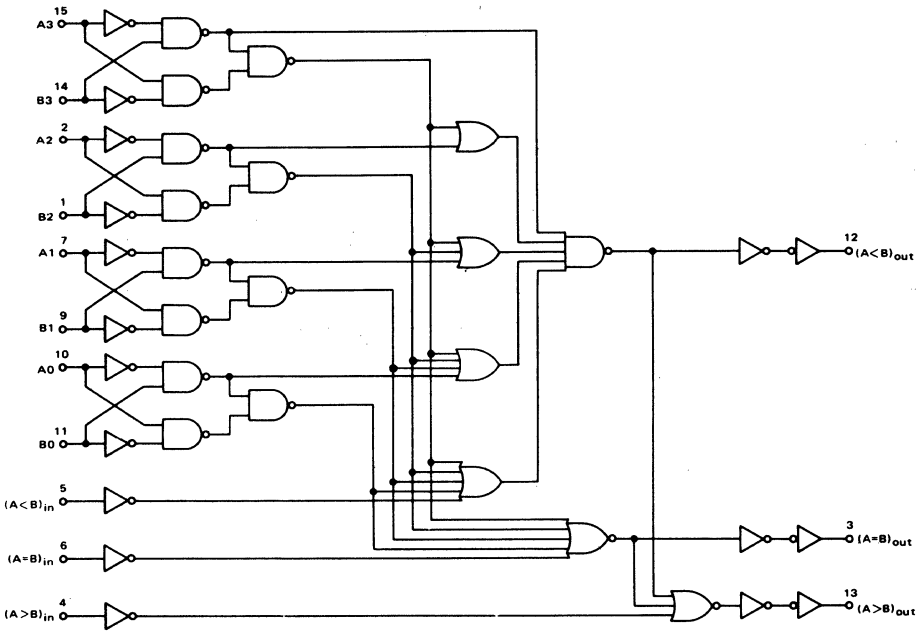
K32-10



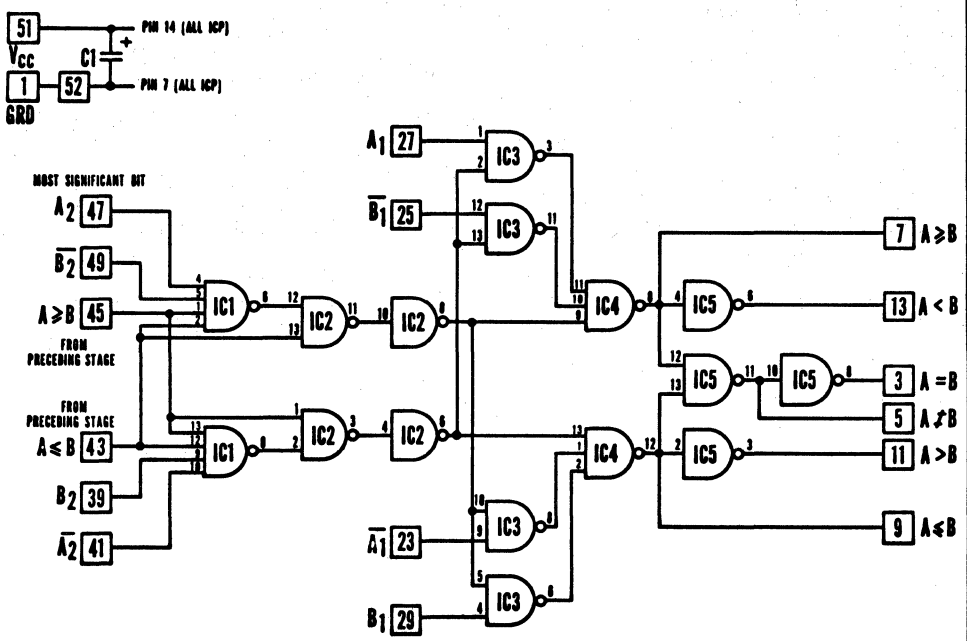
K32-11



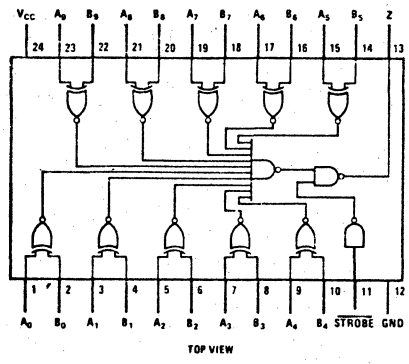
K32-12



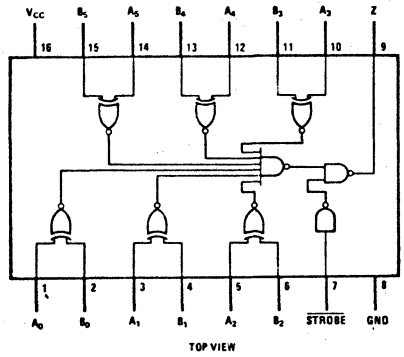
K32-13



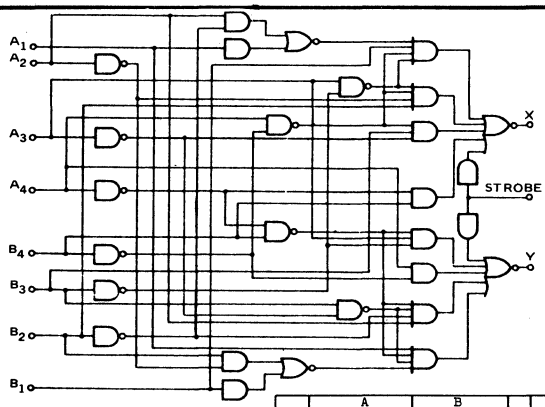
K32-14



K32-15

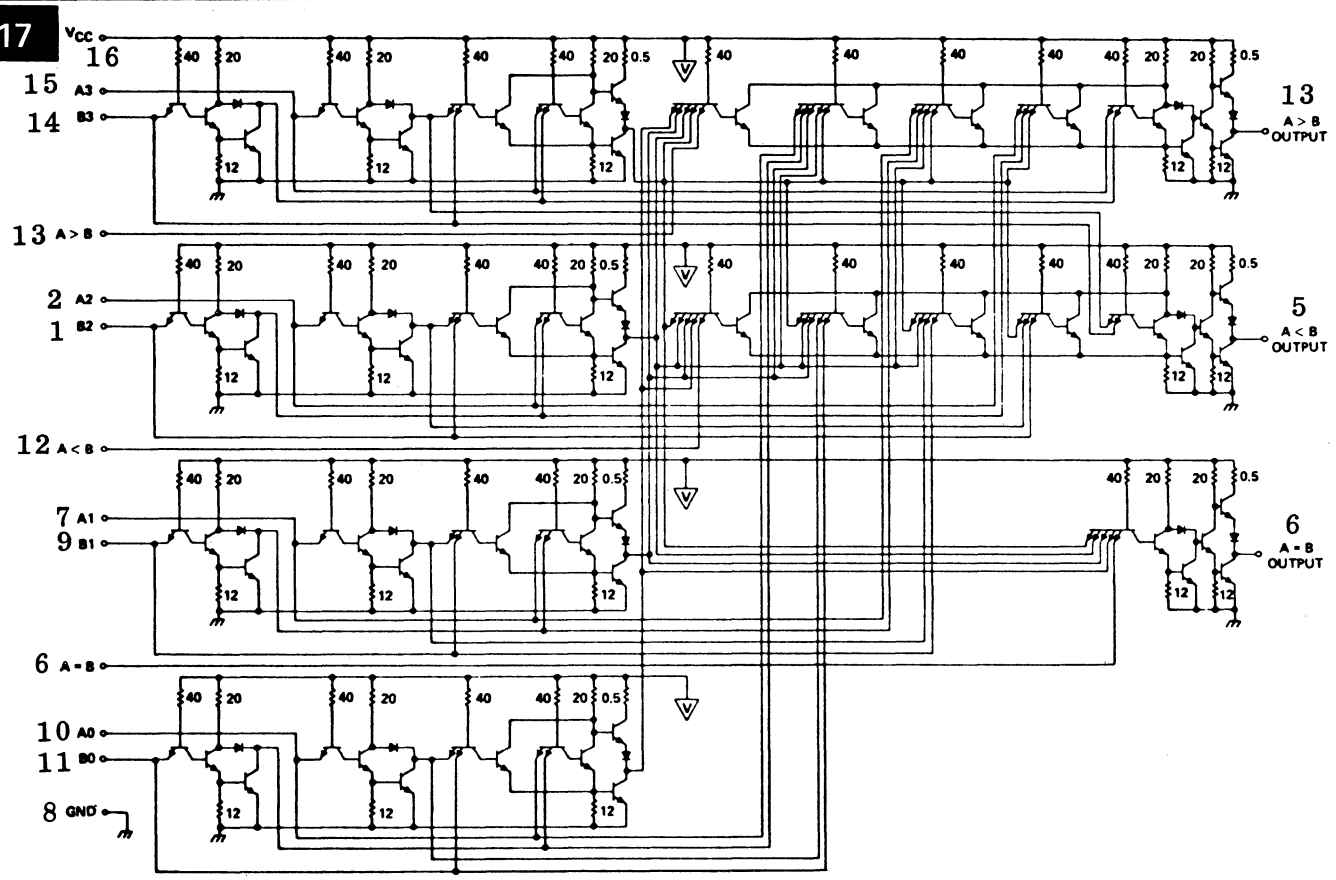


K32-16

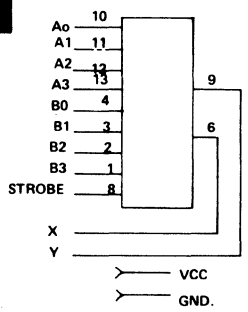


		A				B									
	PKG	1	2	3	4	1	2	3	4	X	Y	OPEN	STROBE	VCC	GND
K32-16	FP	14	1	2	3	8	7	6	5	10	13	9	12	4	11
	M	10	11	12	13	4	3	2	1	6	9	5	8	14	7

K32-17

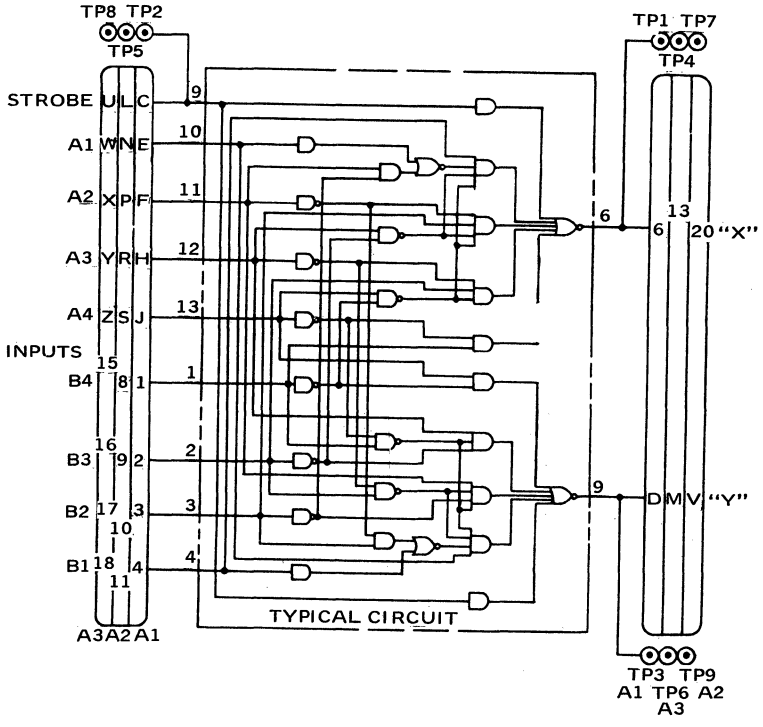


K32-18

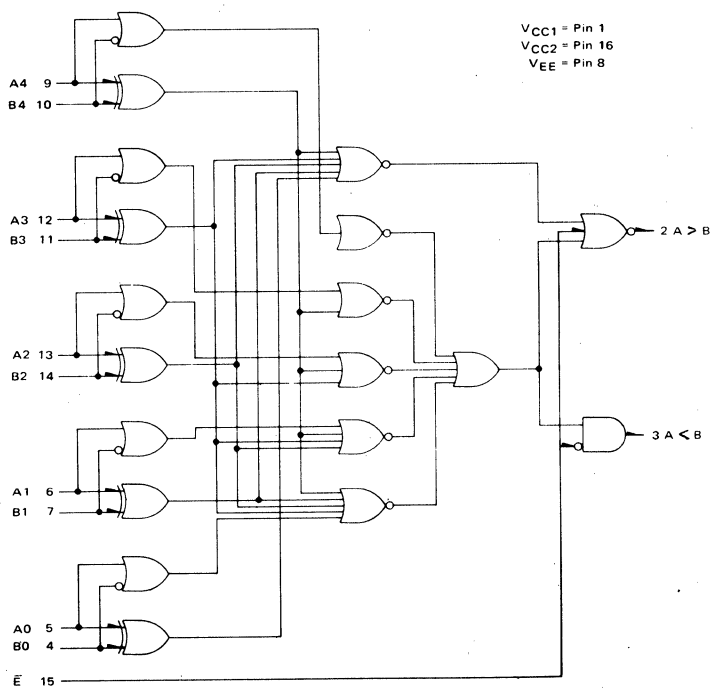


	CKT	A0	A1	A2	A3	B0	B1	B2	B3	STROBE	X	Y	VCC	GND
K32-18	1	42	41	40	45	48	49	46	44	43	50	39		
	2	30	29	28	33	36	37	34	32	31	38	27	51	1,52
	3	18	17	16	21	24	25	22	20	19	26	15		
	4	6	5	4	9	12	13	10	8	7	14	3		

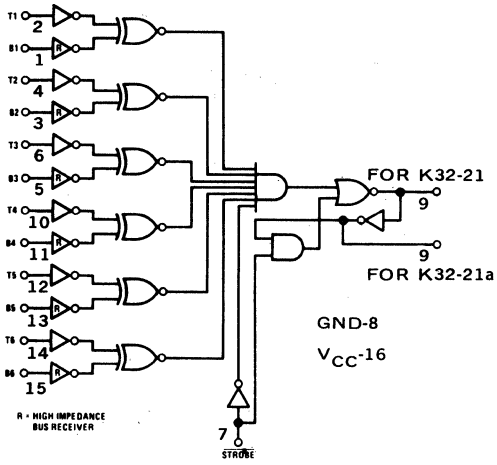
K32-19



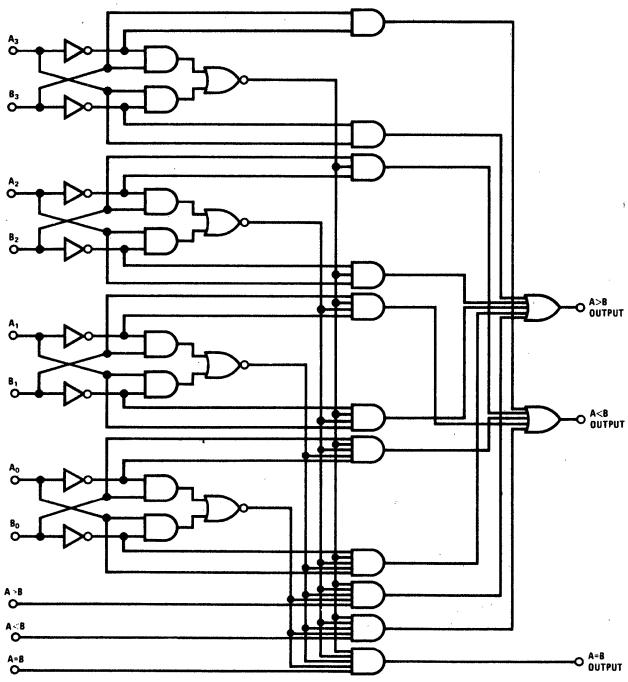
K32-20

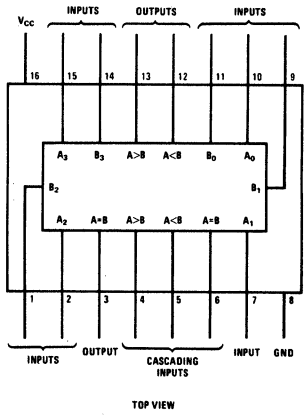


K32-21

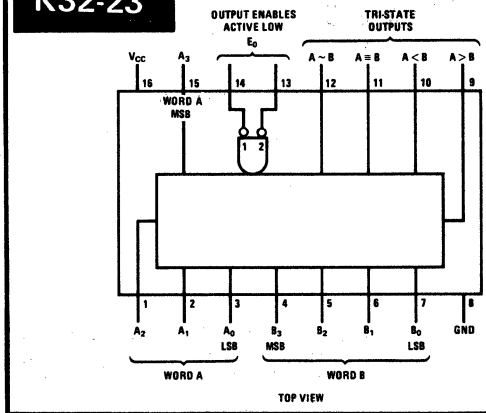


K32-22

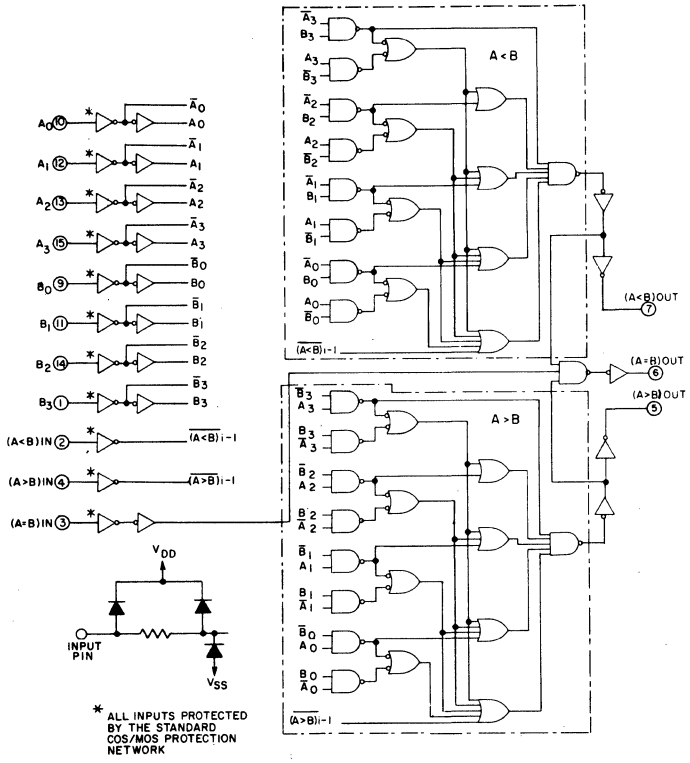




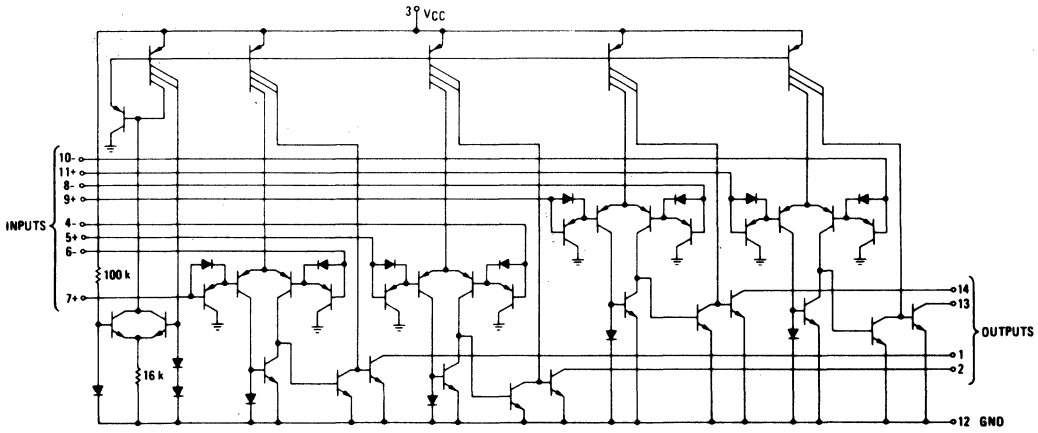
K32-23



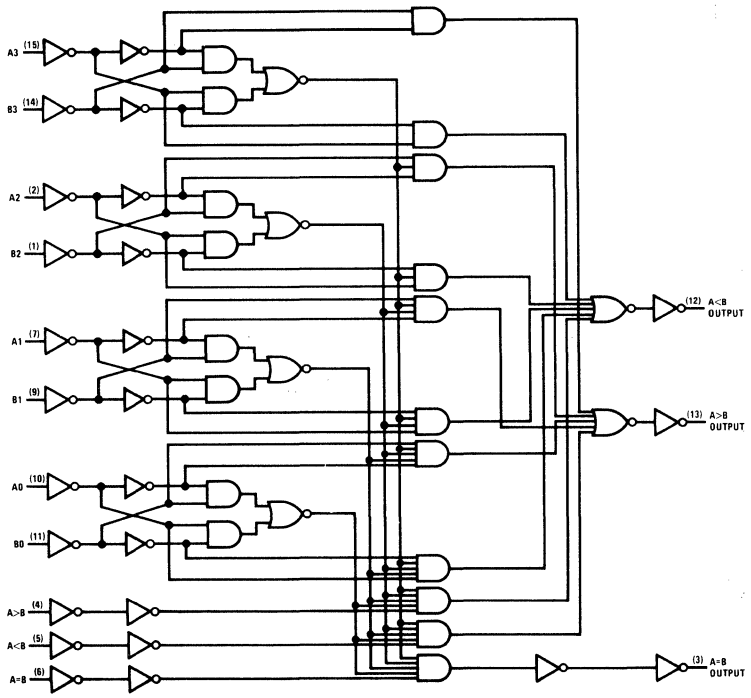
K32-24


A < B
A > B
(A<B)OUT
(A=B)OUT
(A>B)OUT
(A<B)IN
(A>B)IN
(A=B)IN
INPUT PIN
VDD
VSS
* ALL INPUTS PROTECTED BY THE STANDARD COS/MOS PROTECTION NETWORK

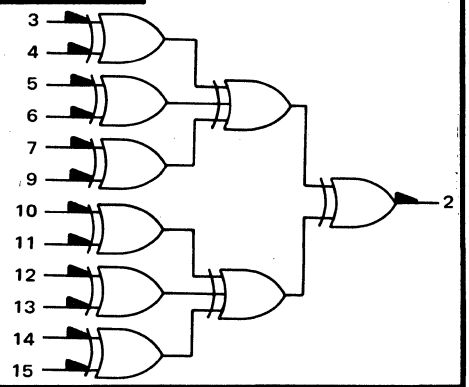
K32-25


VCC
INPUTS
100 k
16 k
OUTPUTS
12 GND

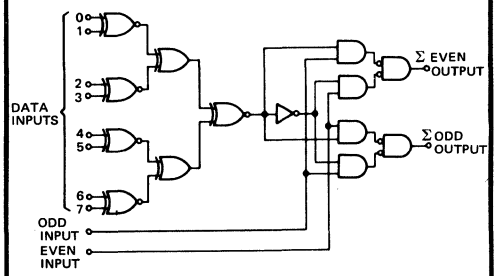
K32-26



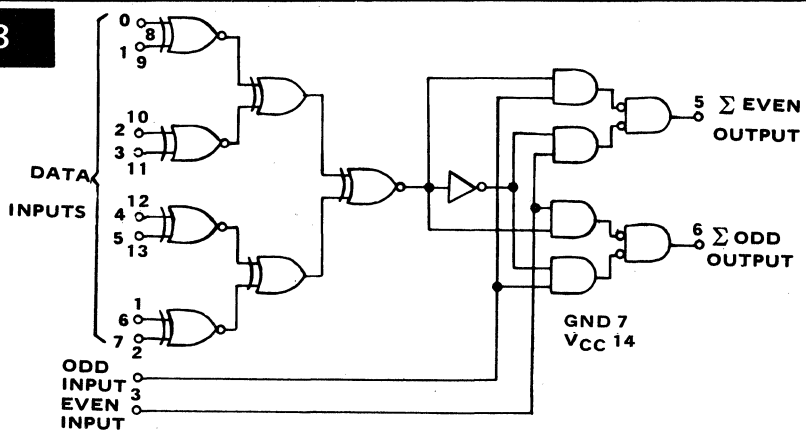
K33-1



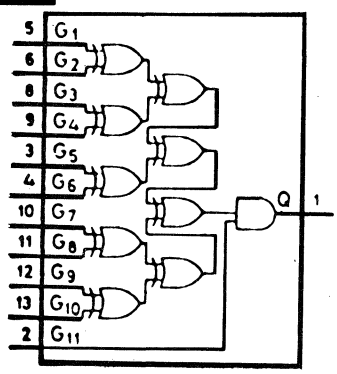
K33-2



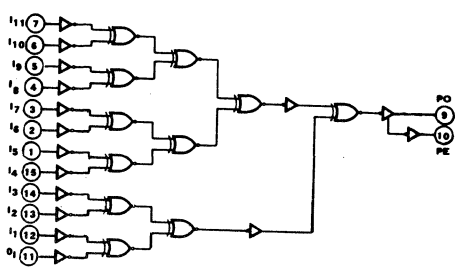
K33-3



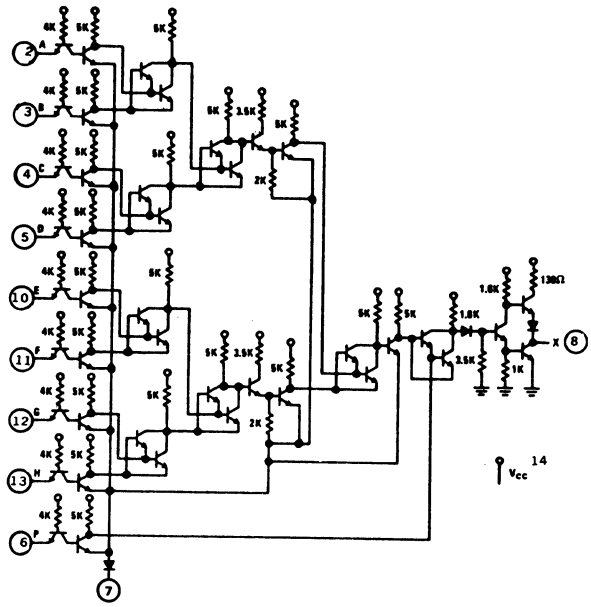
K33-4



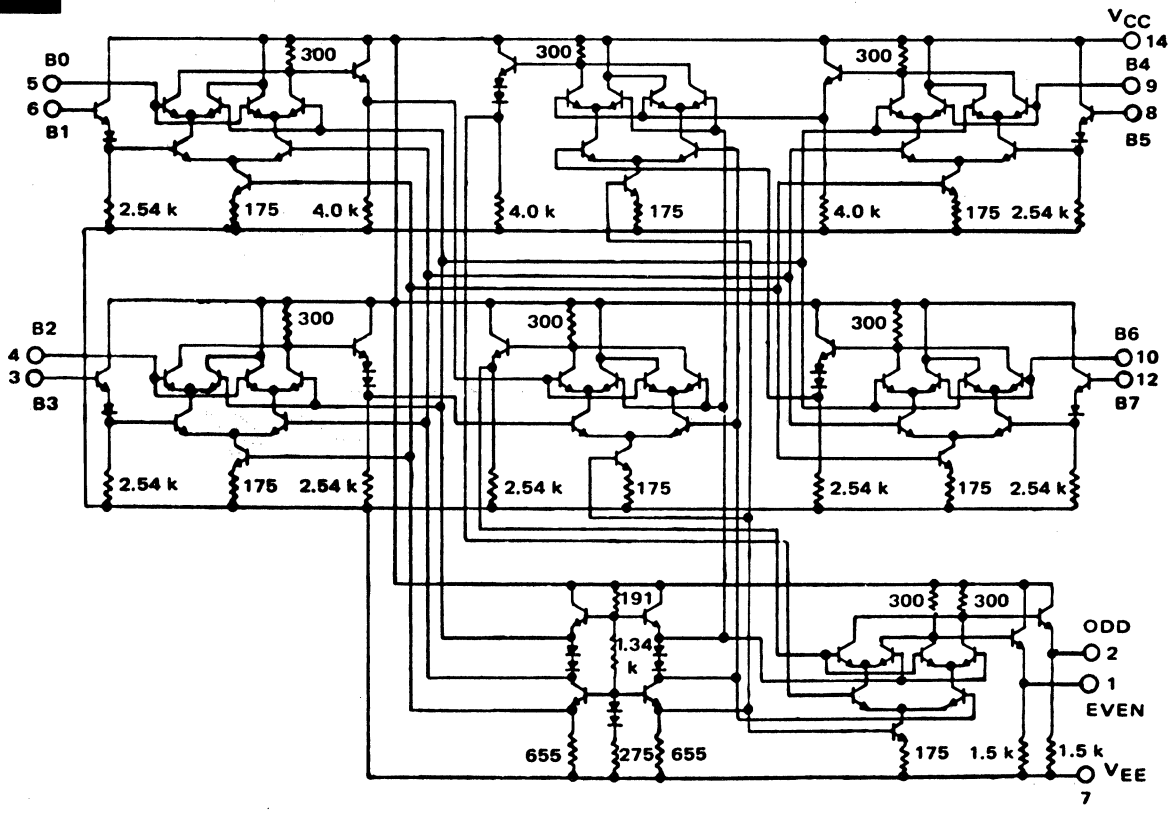
K33-5



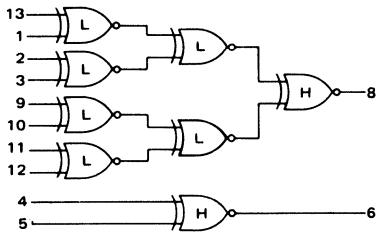
K33-6


2
3
4
5
10
11
12
13
6
7
8
X
14
V_{CC}

K33-7

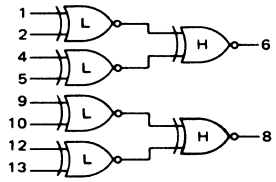

V_{CC}
14
B0
5
6
B1
B4
9
8
B5
B2
4
3
B3
B6
10
12
B7
300
2.54 k
175
4.0 k
191
1.34 k
655
275
1.5 k
ODD
2
1
EVEN
V_{EE}
7

K33-8



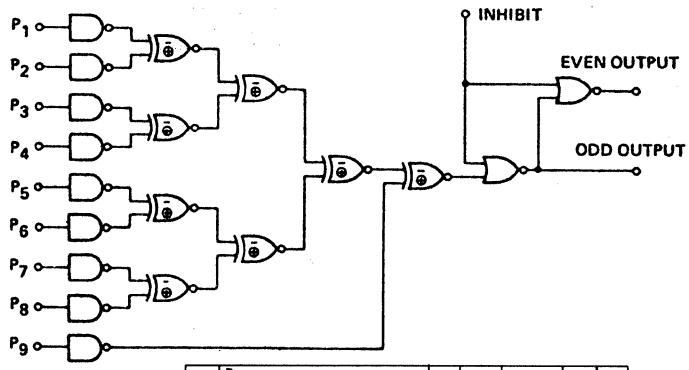
V_{CC} = PIN 14
GND = PIN 7

K33-9



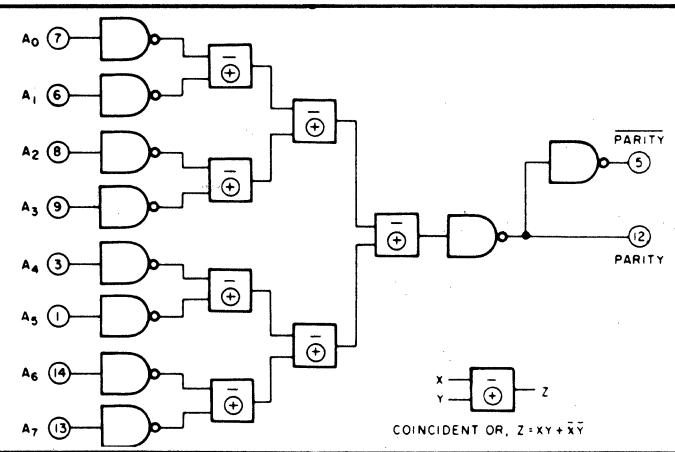
V_{CC} = PIN 14
GND = PIN 7

K33-10



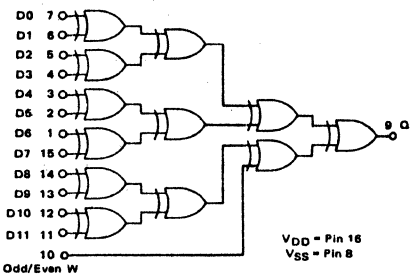
	P									ODD	EVEN	INHIBIT	VCC	GND
	PKG	1	2	3	4	5	6	7	8	9					
K33-10	MP	1	2	3	4	10	11	12	13	5	6	9	8	14	7
	FP	5	6	7	8	14	1	2	3	9	10	13	12	4	11

K33-11



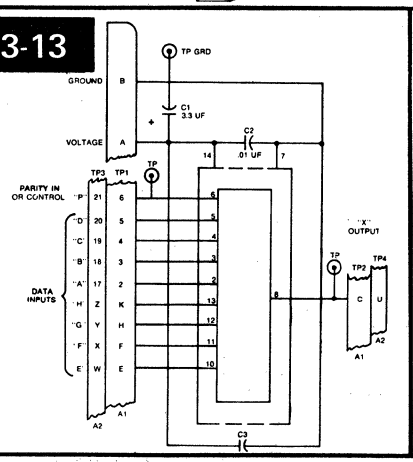
COINCIDENT OR, $Z = XY + \bar{X}\bar{Y}$

K33-12

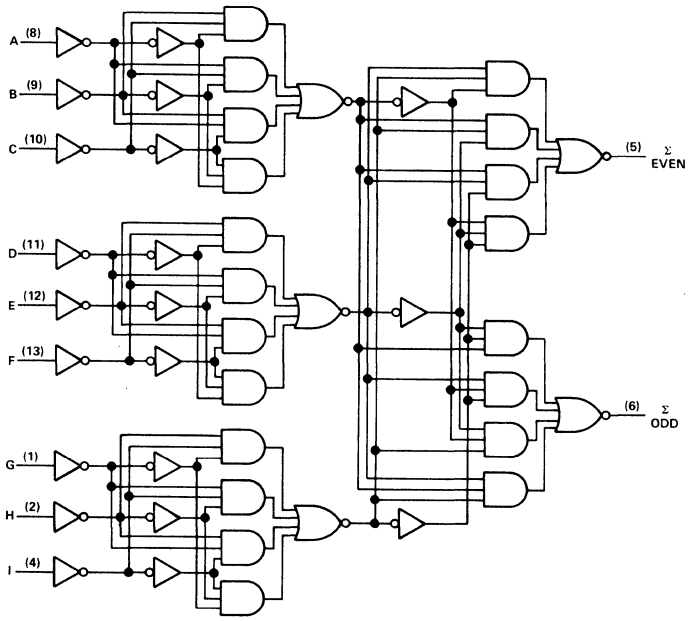


V_{DD} = Pin 16
V_{SS} = Pin 8

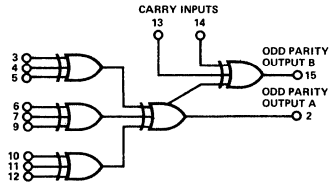
K33-13



K33-14

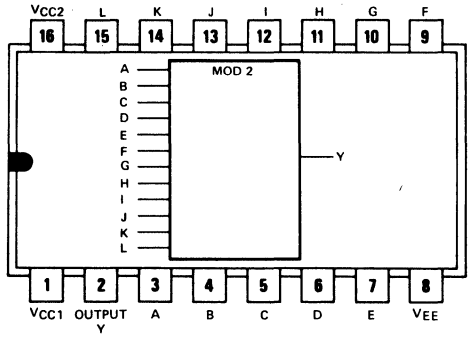


K33-15

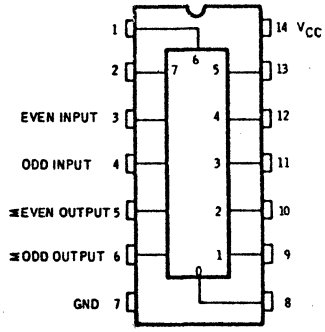


$V_{CC1} = 1$, $V_{CC2} = 16$, $V_{EE} = 8$

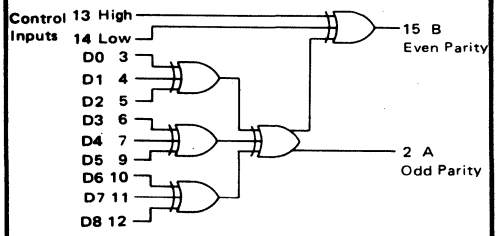
K33-16



K33-17

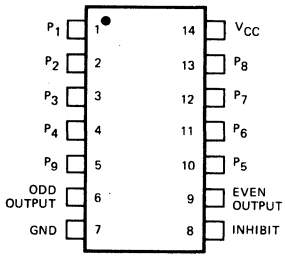


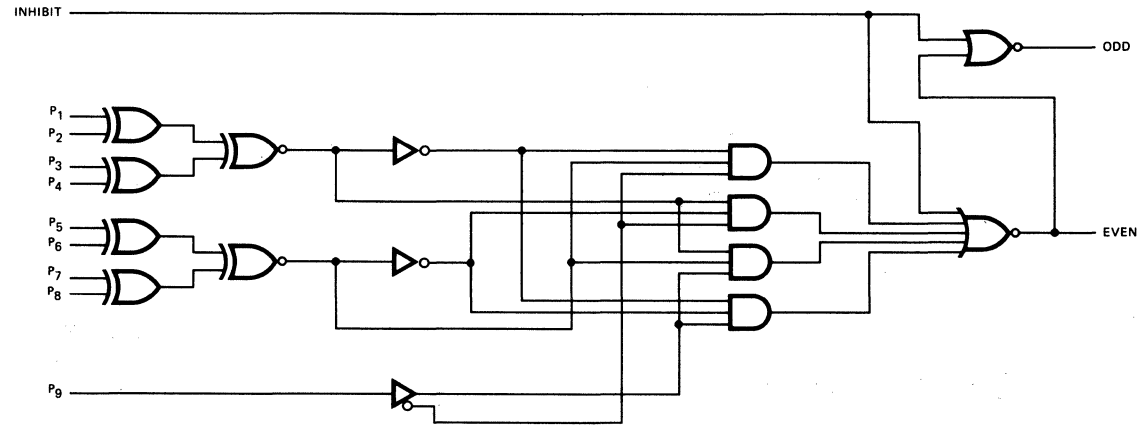
K33-18



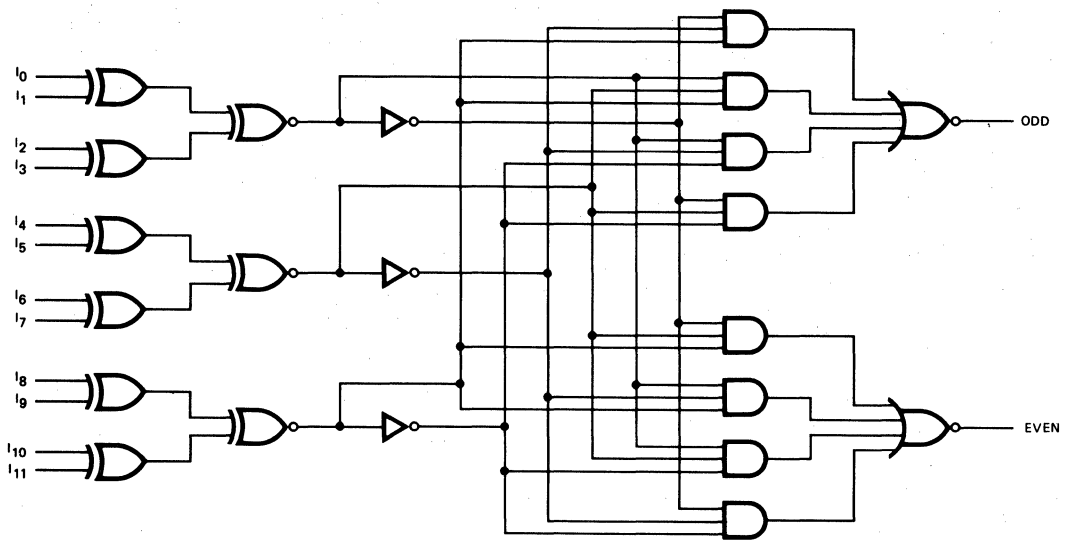
V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

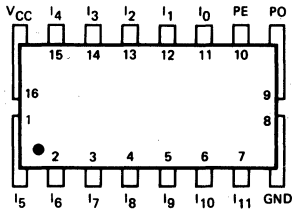
K33-19



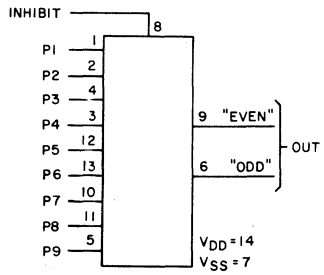


K33-20



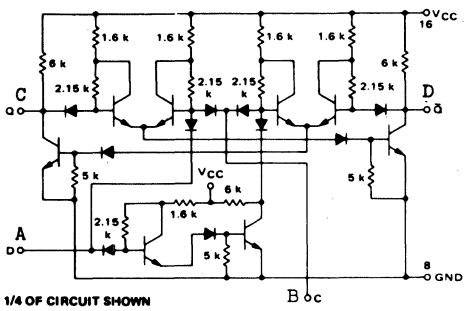


K33-21



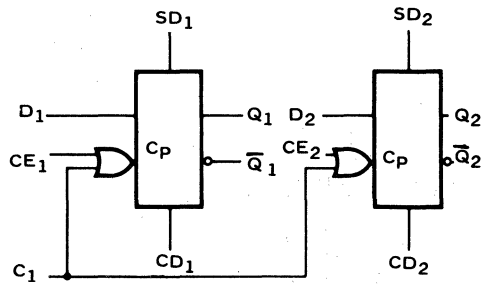
K34-1

K34-1	CKT	A	B	C	D
	1	2	1	3	4
	2	7	1	6	5
	3	9	15	10	11
	4	14	15	13	12



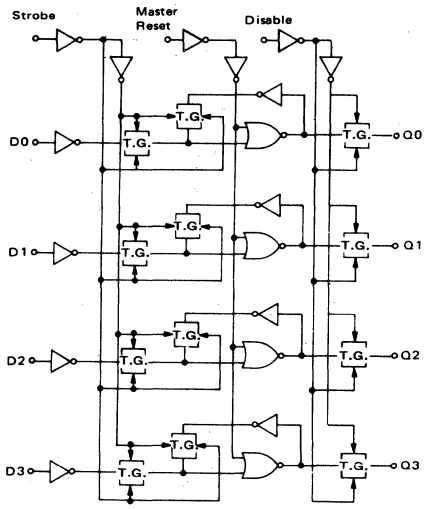
1/4 OF CIRCUIT SHOWN

K34-2



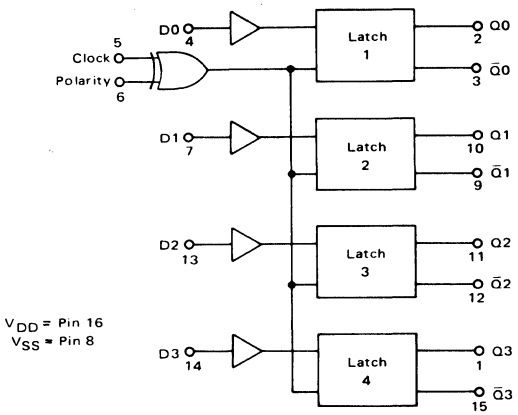
K34-2	SD1	D1	CE1	CD1	Q1	Q̄1	C	SD2	D2	CE2	CD2	Q2	Q̄2	VCC	COM	VEE
	16	14	15	1	3	2	13	9	11	10	8	6	7	4	5	12

K34-4

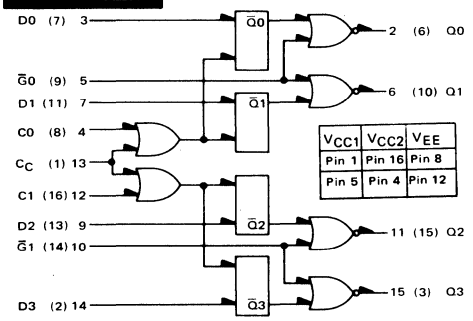


K34-4	CKT	MR	ST	DISABLE	D				Q			
					0	1	2	3	0	1	2	3
	1	1	2	3	4	6	8	10	5	7	9	11
	2	13	14	15	16	18	20	22	17	19	21	23

K34-5



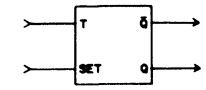
K34-6

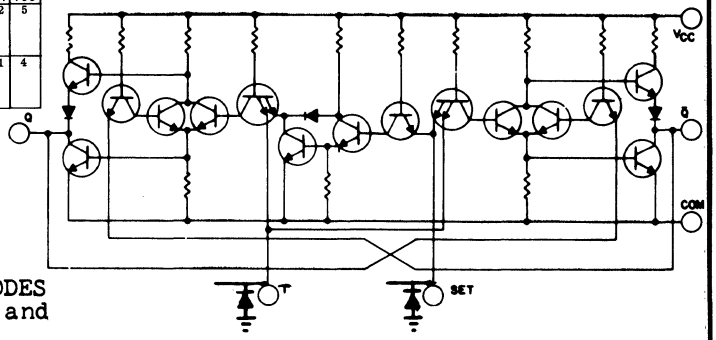


Numbers at end of terminals are pin numbers for L package
Numbers in parenthesis denotes pin numbers for F package

K34-7

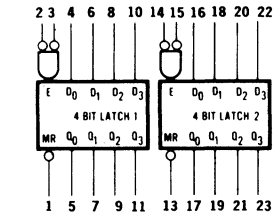
	CKT. NO.	SET	T	Q̄	Q	COM	VCC
K34-7	1	2	13	1	16	12	5
	2	3	13	14	15		
	3	6	4	11	10		
	4	7	4	8	9		
K34-7a	1	1	12		14	11	4
	2	2	12		13		
	3	5	3		9		
	4	7	3		8		





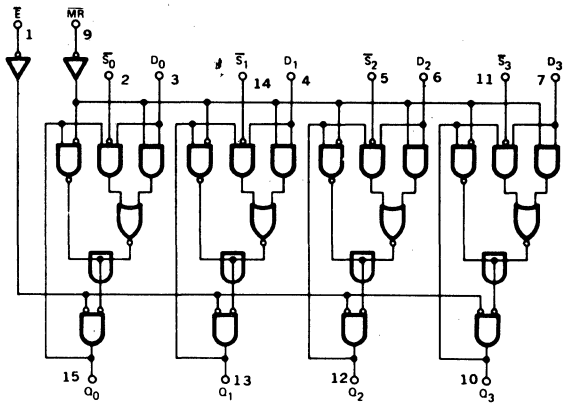
INPUT CLAMPING DIODES FOR A ONLY (US 54 and 74 TYPES)

K34-8

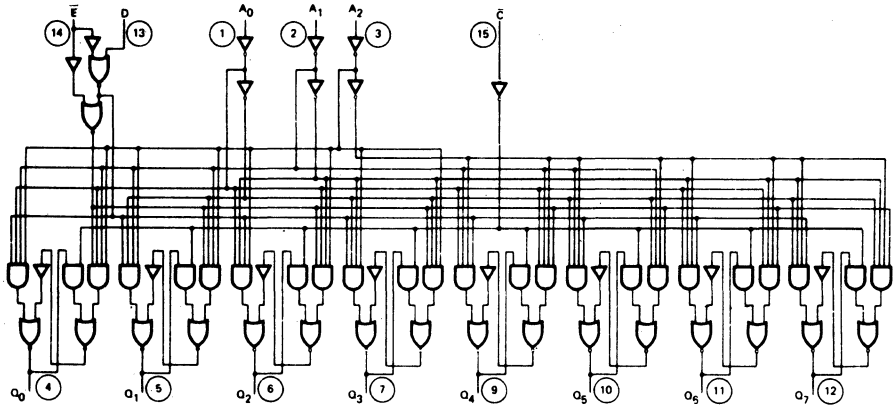


VCC = Pin 24
Gnd = Pin 12

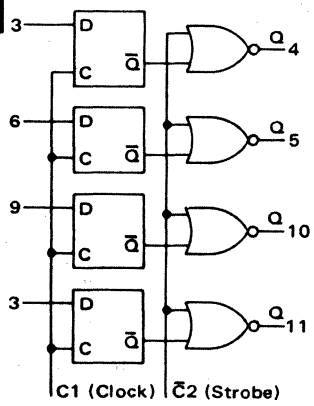
K34-9



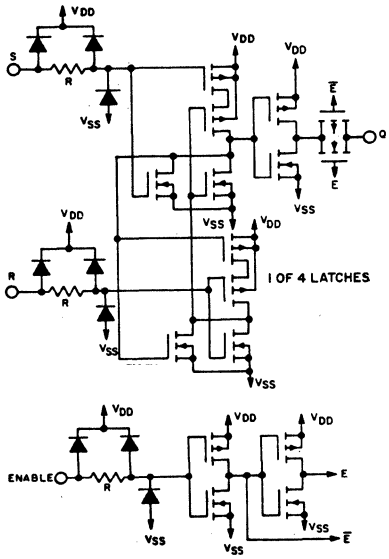
K34-10

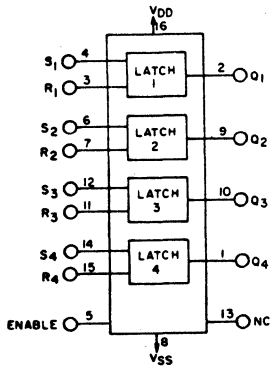


K34-11

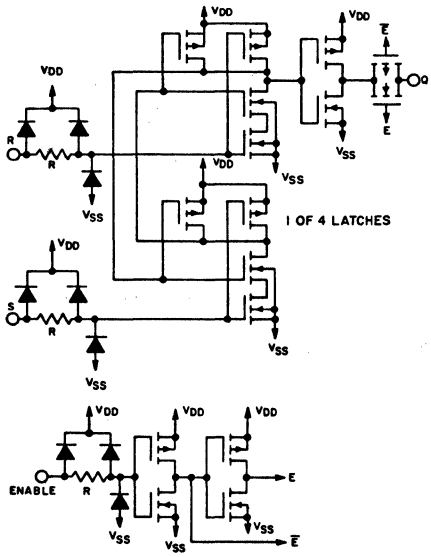


K34-13

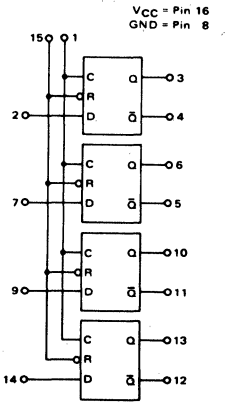


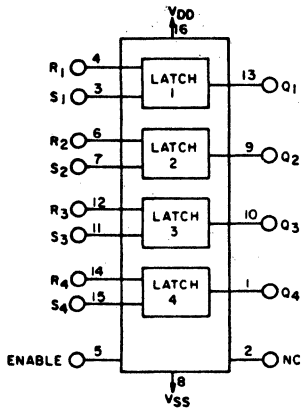


K34-14

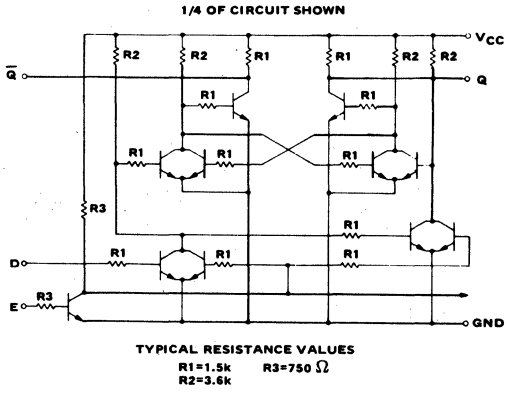


K34-15



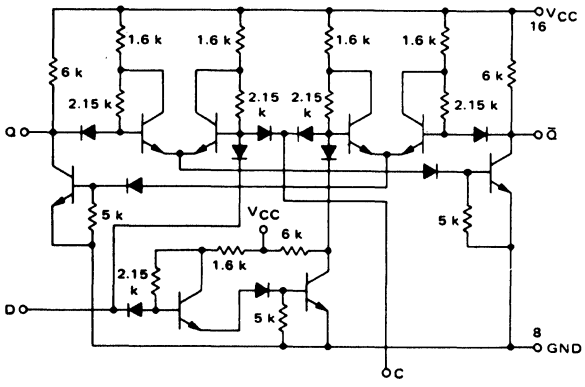


K34-16



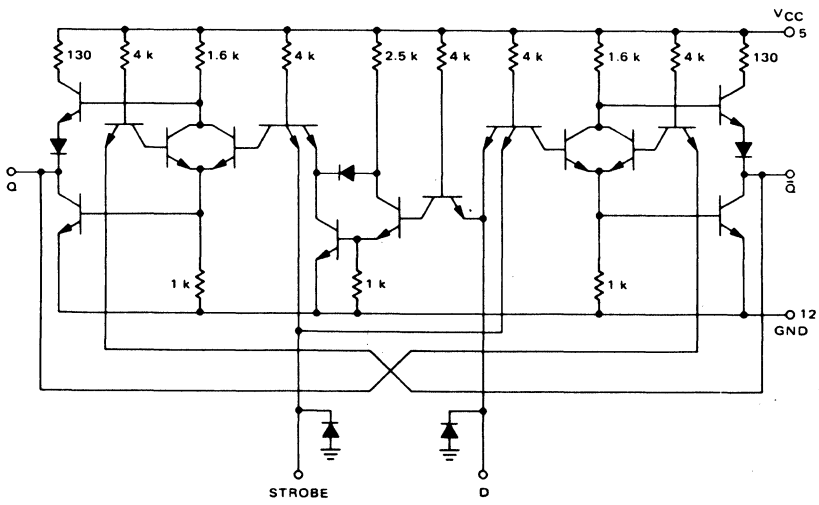
	CKT	D	E	$\overline{Q}$	Q
K34-16	1	3	5	3	1
	2	6	5	7	8
	3	9	5	10	11
	4	16	5	15	14

K34-17



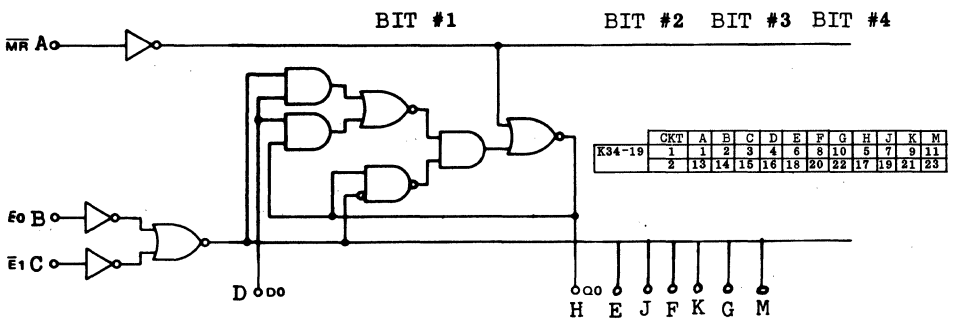
K34-17a	CKT	C	D	Q	Q̄	VCC	GND
	1	1	2	3		14	7
	2			5	4		
	3	13	8	9	10		
	4		12	11			

K34-18



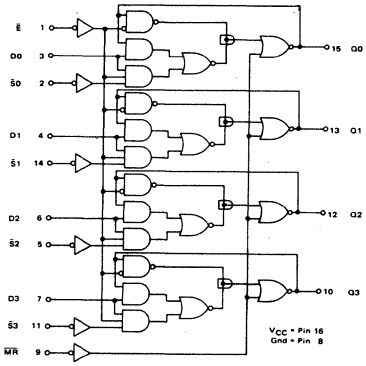
CKT	D	STROBE	Q	Q̄
1	2	13	16	1
2	3	13	15	14
3	7	4	9	8
4	6	4	10	11

K34-19

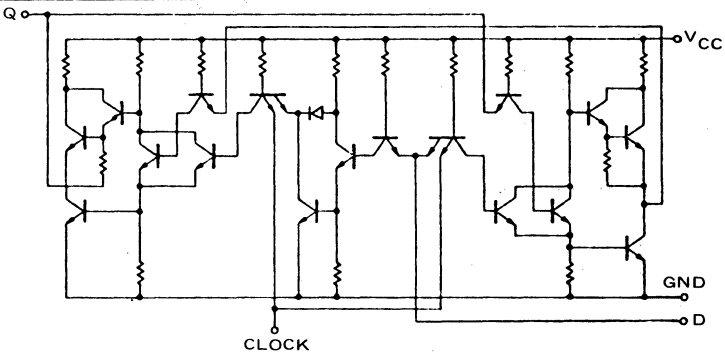


K34-19	CKT	A	B	C	D	E	F	G	H	J	K	M
	1	1	2	3	4	6	8	10	5	7	9	11
	2	13	14	15	16	18	20	22	17	19	21	23

K34-20

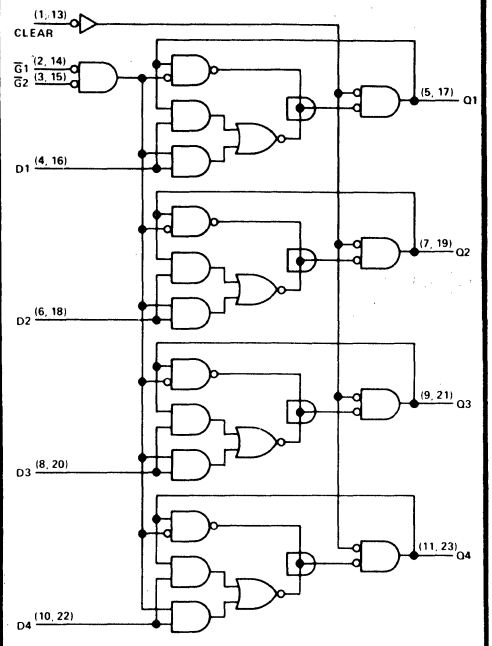


K34-22

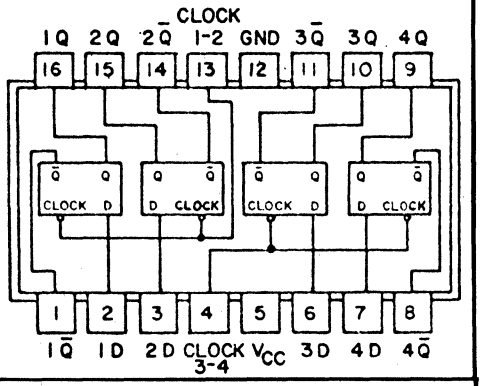


K34-22	CKT	Q	T	D	VCC	GND
	1	14	12	1	4	11
	2	13	12	2		
	3	9	3	5		
	4	8	3	6		

K34-23

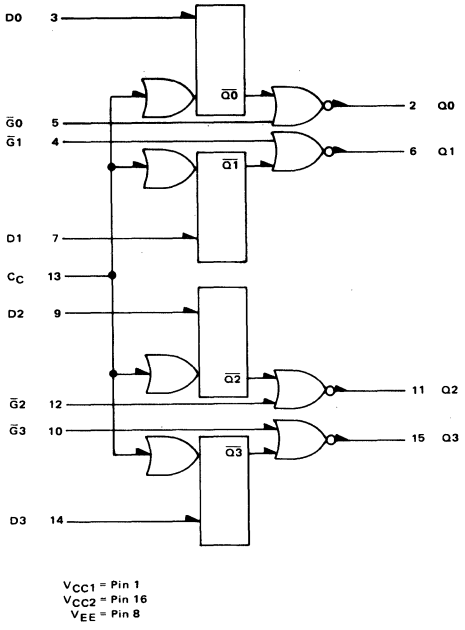


K34-24



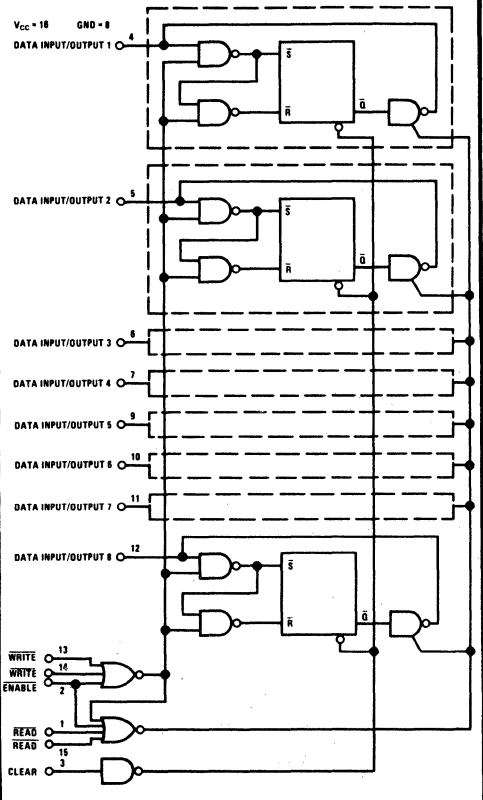
3-4

K34-25

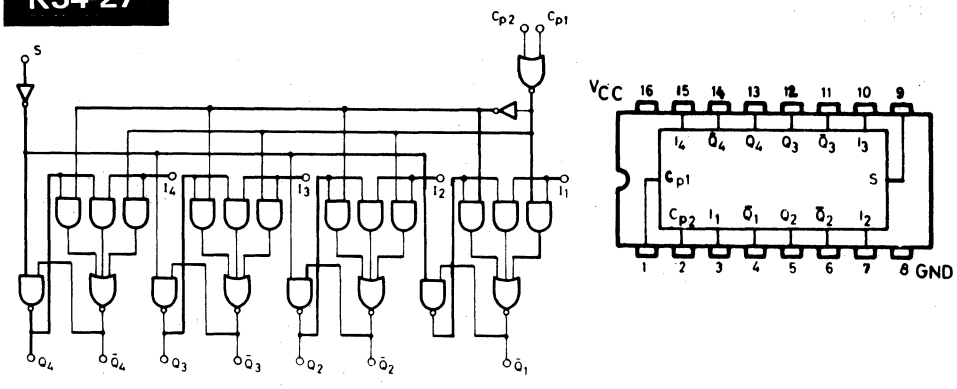


VCC1 = Pin 1
VCC2 = Pin 16
VEE = Pin 8

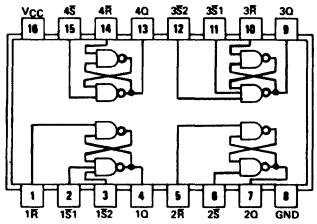
K34-26



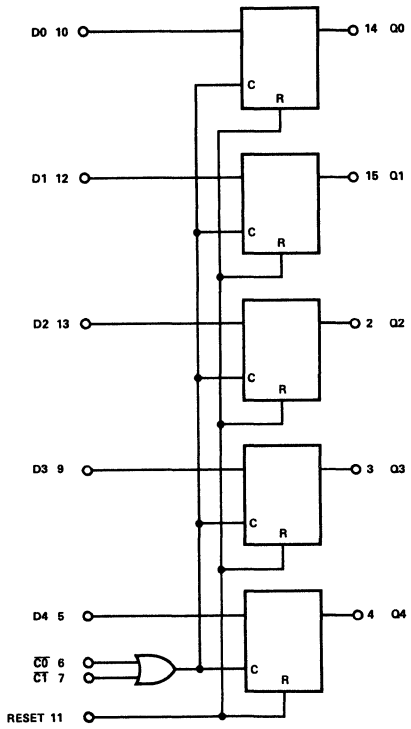
K34-27



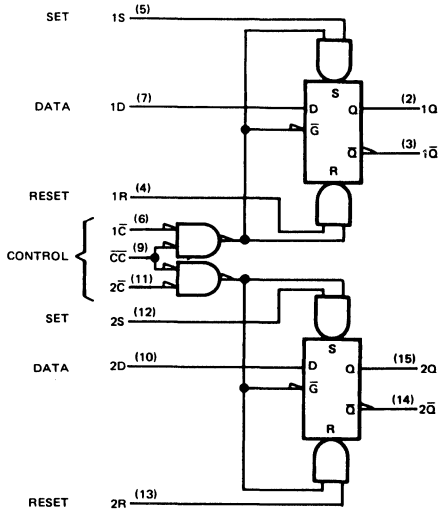
K34-28



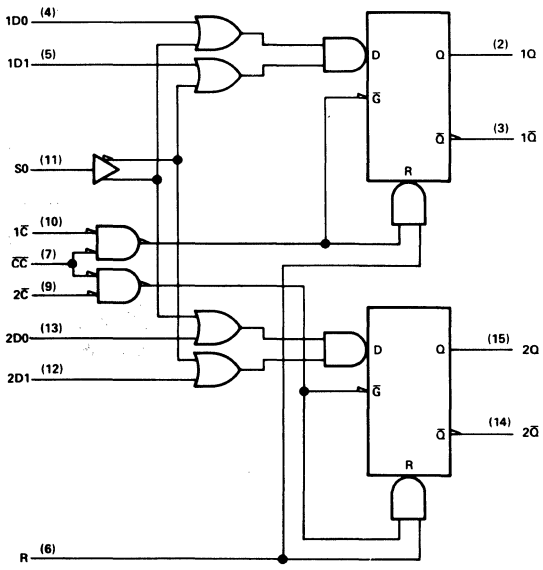
K34-29



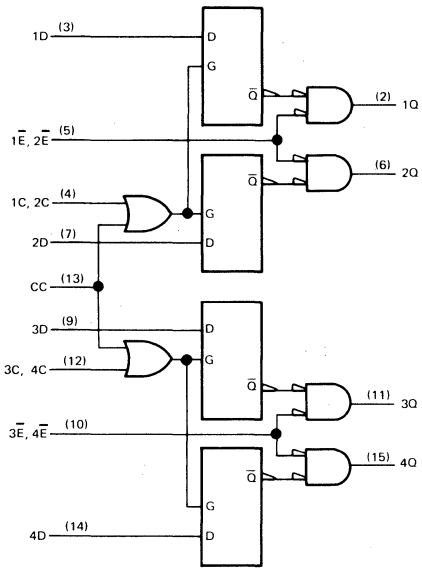
K34-30



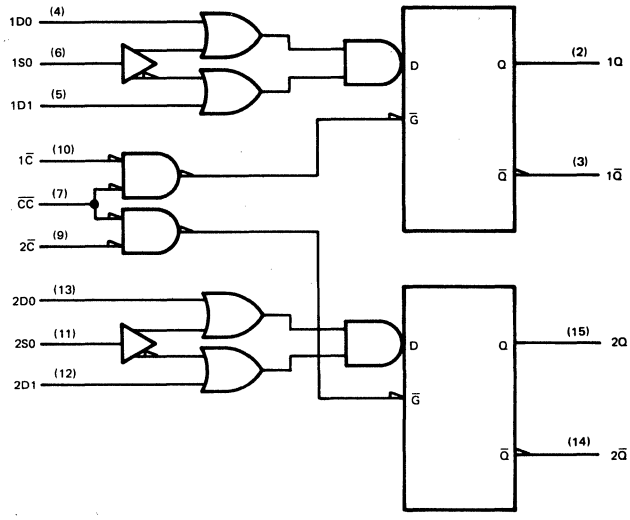
K34-31



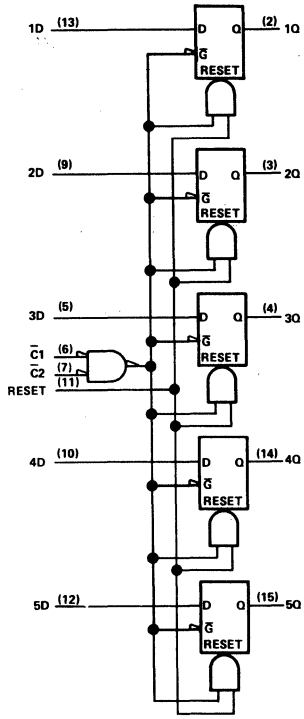
K34-32



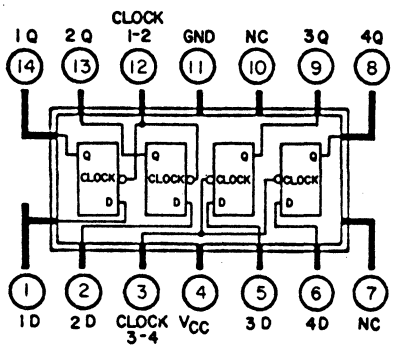
K34-33



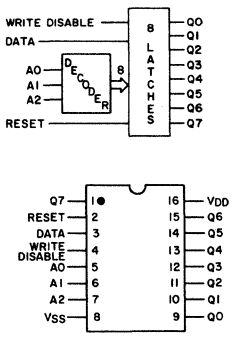
K34-34



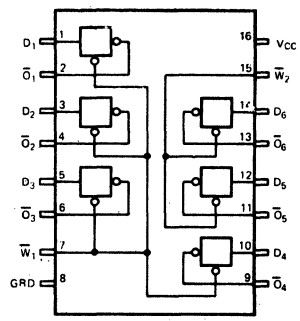
K34-35



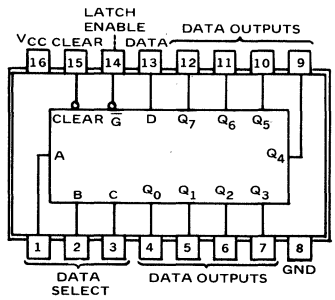
K34-36



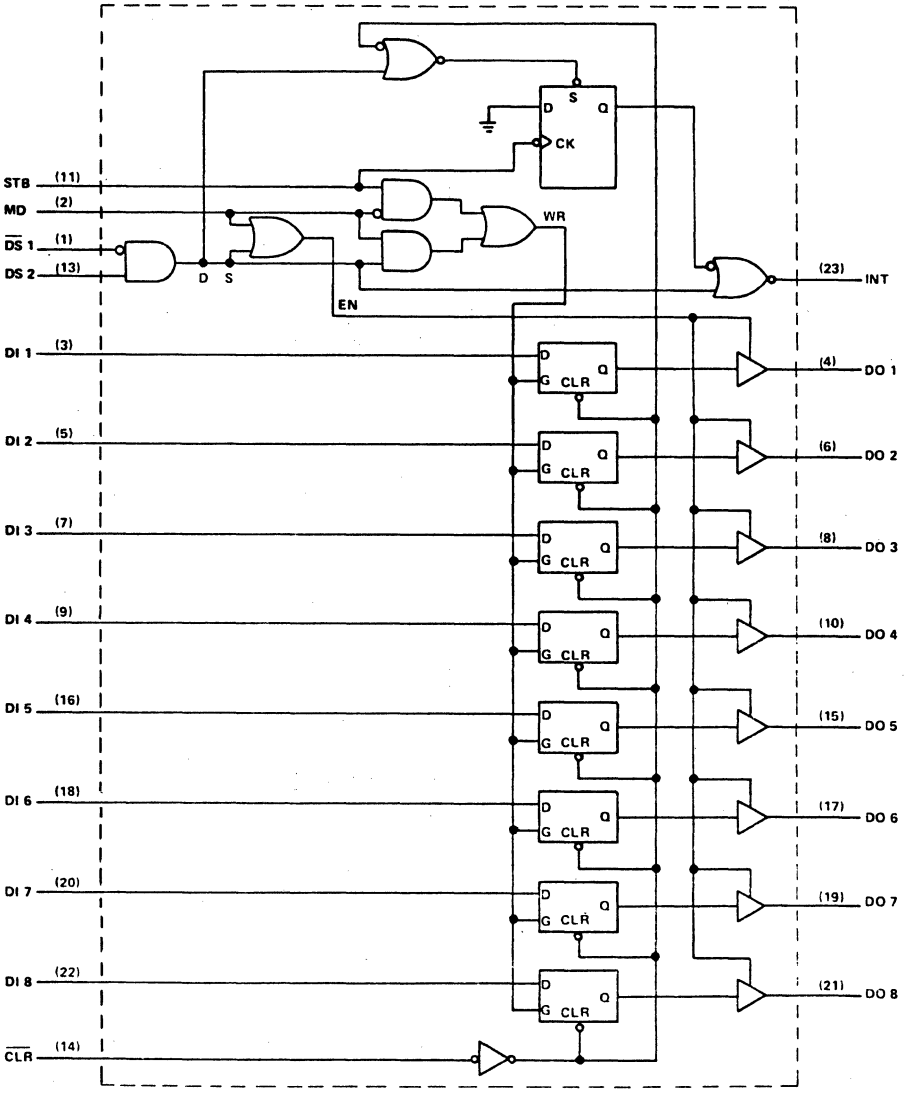
K34-37



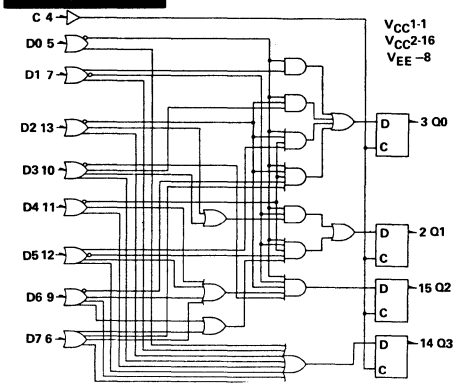
K34-38



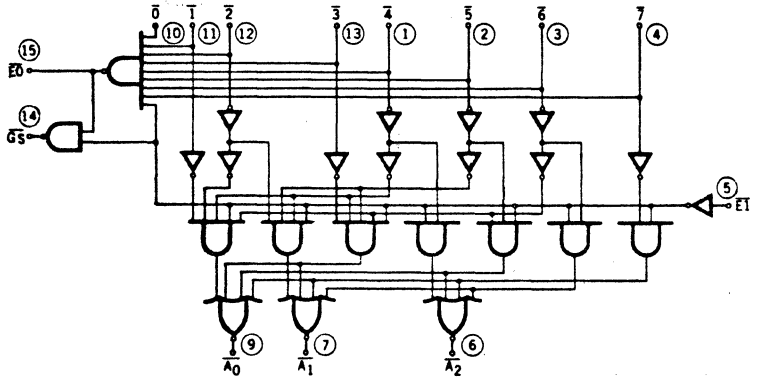
K34-39



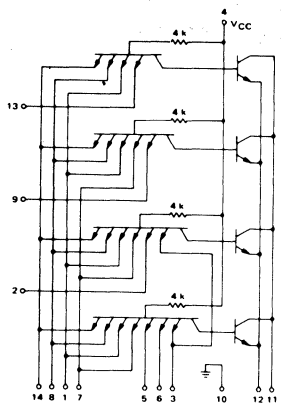
K35-1

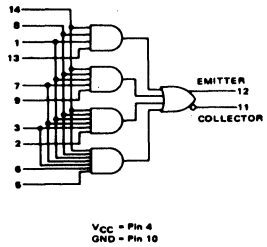


K35-2

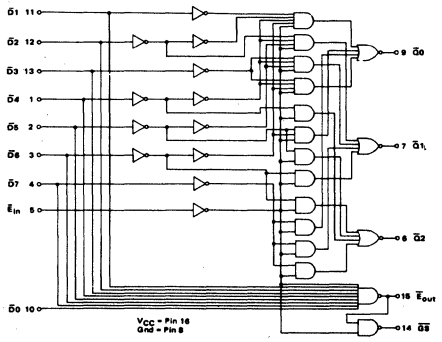


K35-5

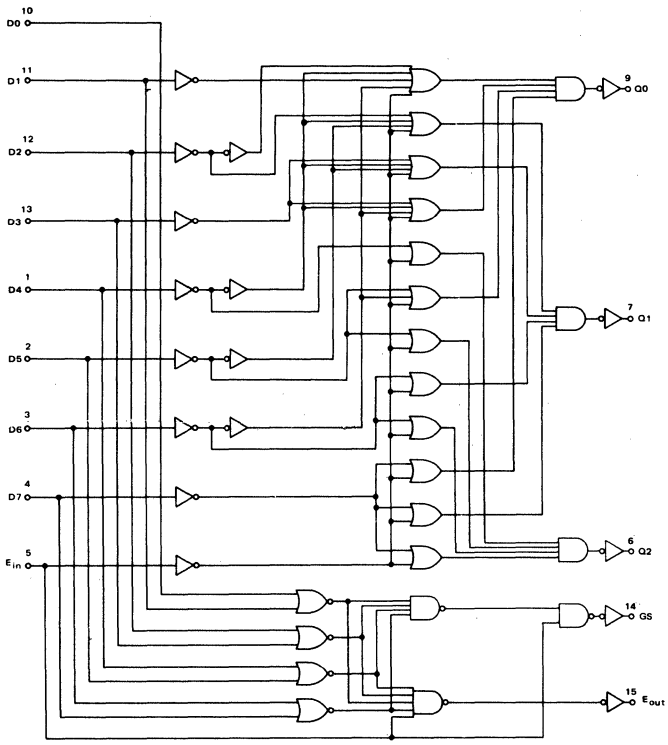




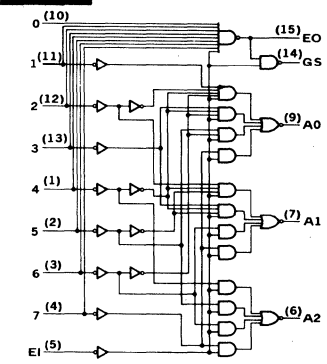
K35-6



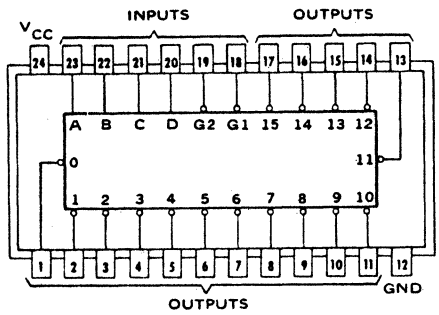
K35-7



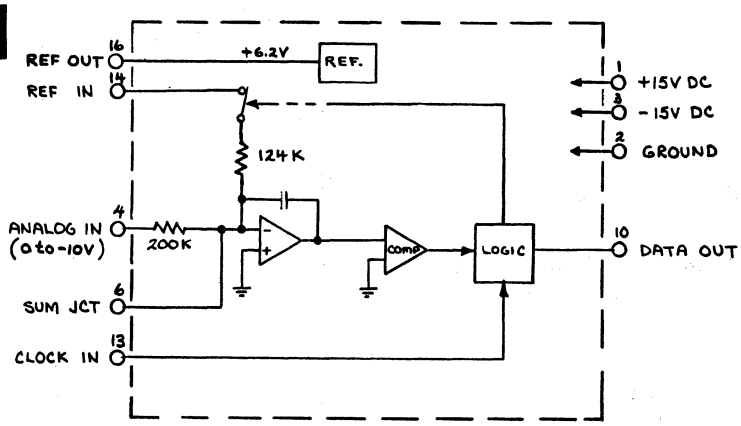
K35-8



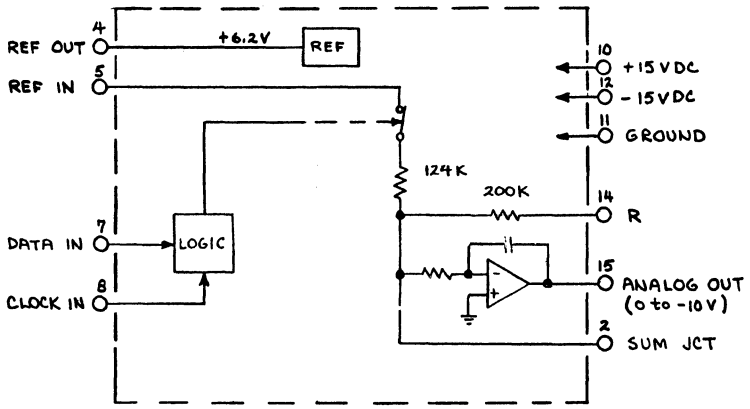
K35-9



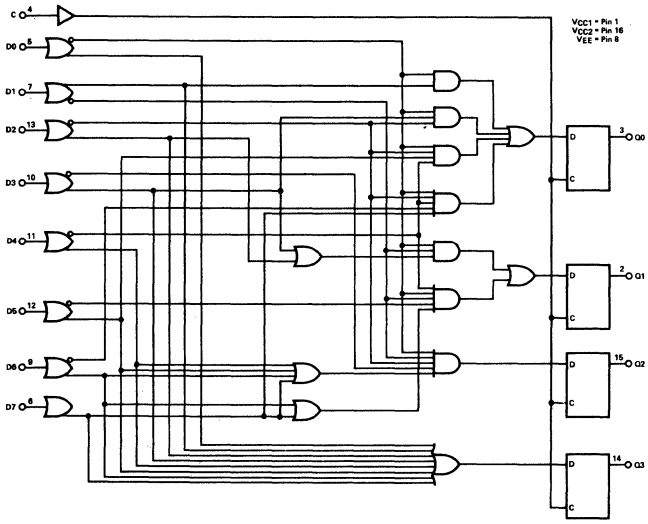
K35-10



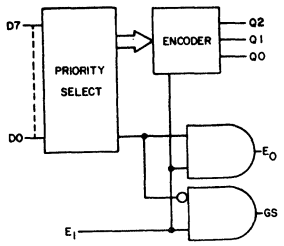
K35-11

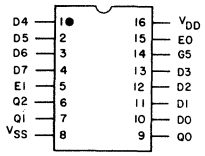


K35-13



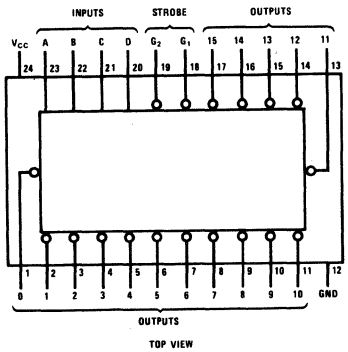
K35-14

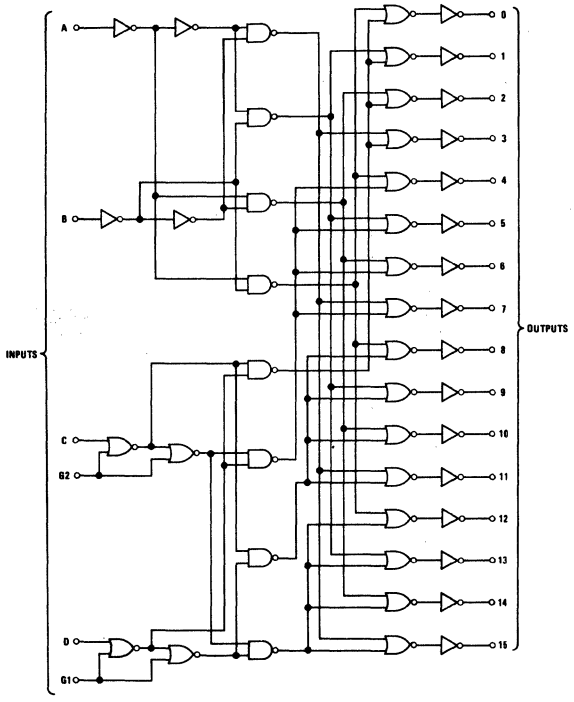




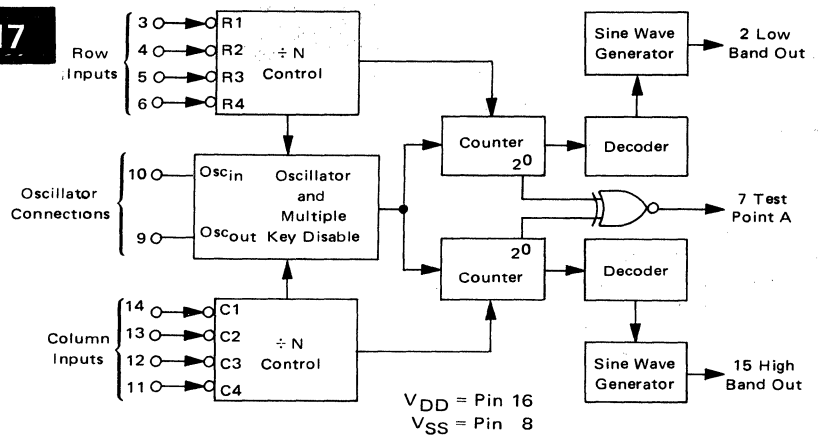
K35-16

Dual-In-Line Package

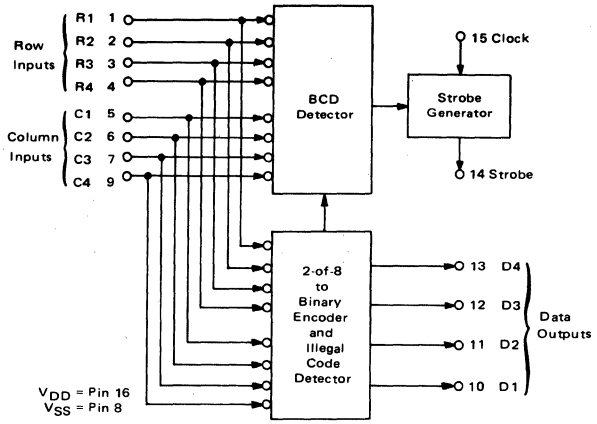




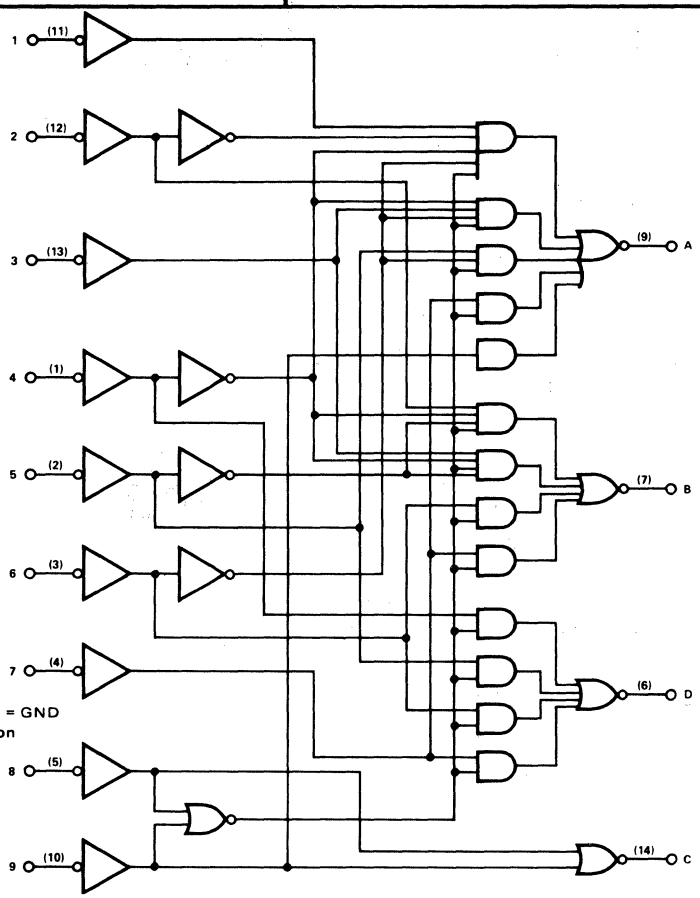
K35-17



K35-18



K35-19

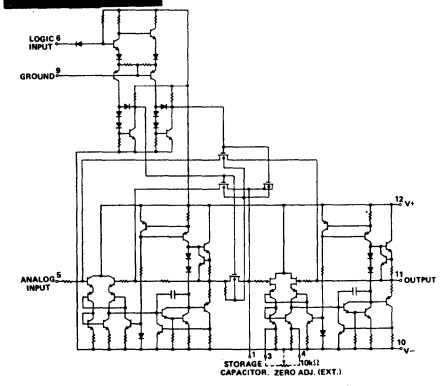


Pin (16) = V_{CC}, Pin (8) = GND
Pin (15) = No connection

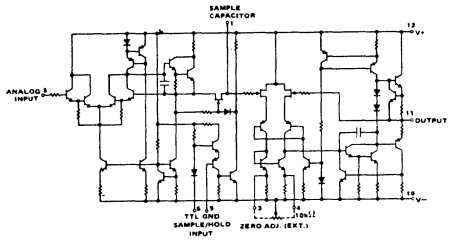
SECTION 12. LOGIC DRAWING

IN DRAWING NUMBER SEQUENCE

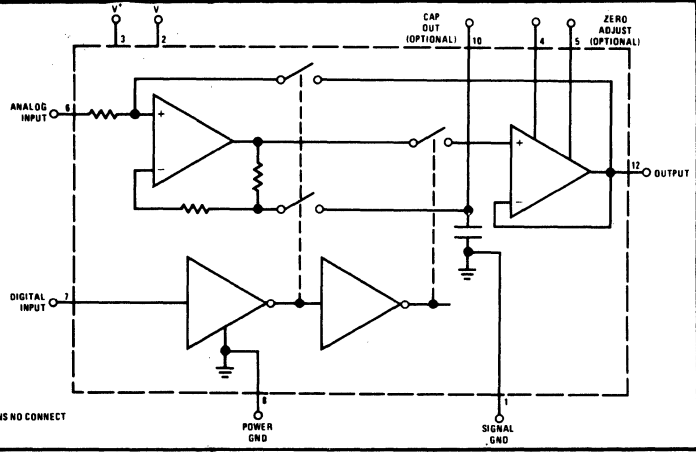
K36-1



K36-2

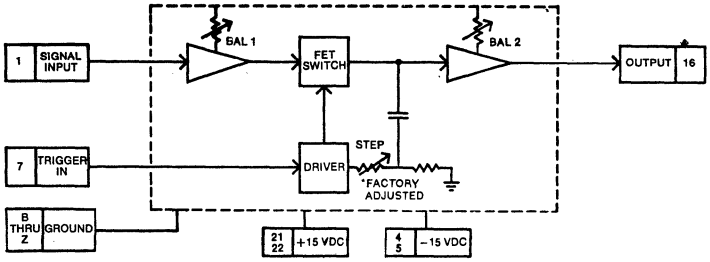


K36-3

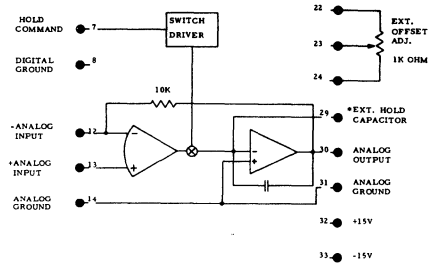


NOTE: HOLD MODE (LOGIC "0") SHOWN. ALL OTHER PINS NO CONNECT

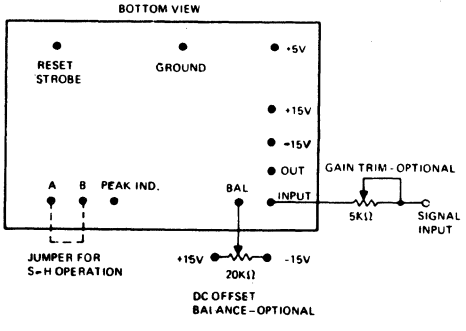
K36-4



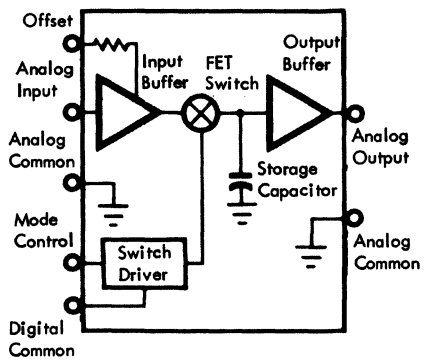
K36-5



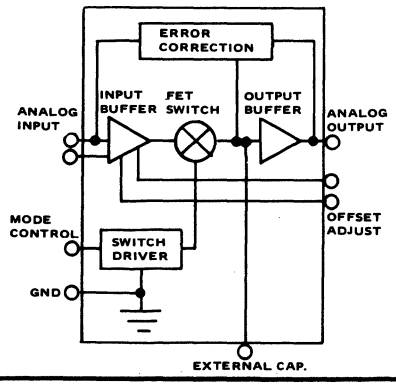
K36-6



K36-7



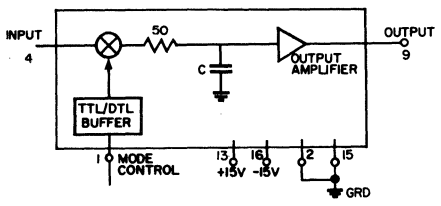
K36-8



SECTION 12. LOGIC DRAWING

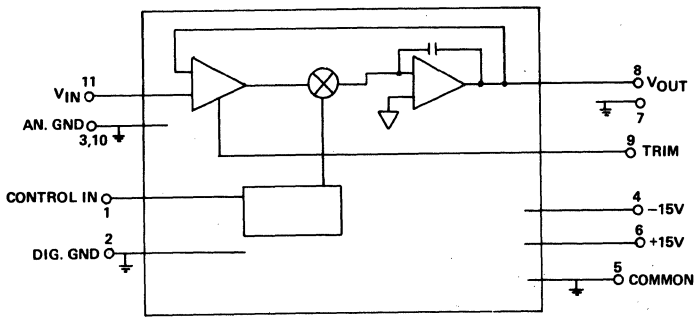
IN DRAWING NUMBER SEQUENCE

K36-9

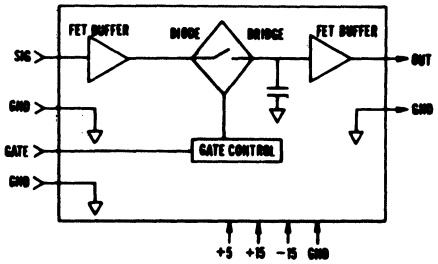


	NOTE
K36-9	C-6.8kpf
K36-9a	C-2.7kpf

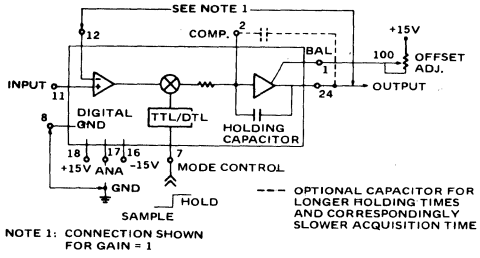
K36-10



K36-11

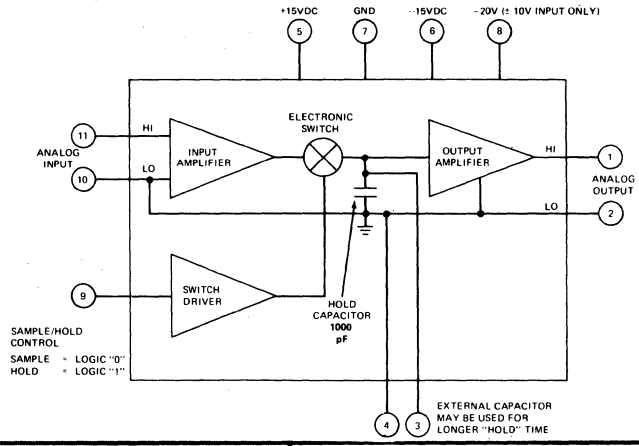


K36-12

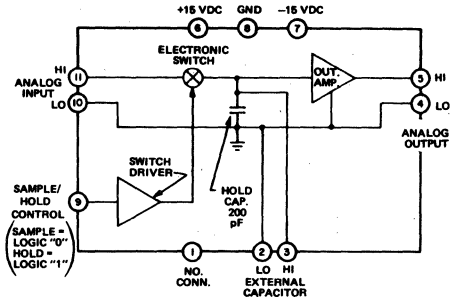


NOTE 1: CONNECTION SHOWN FOR GAIN = 1

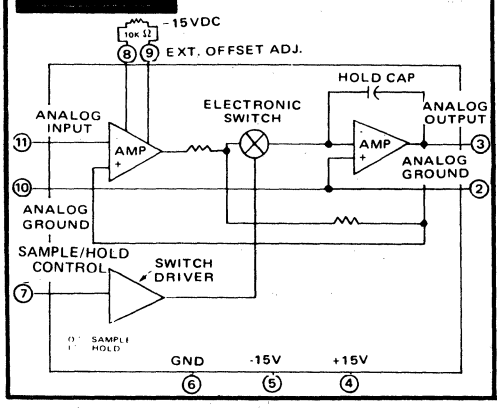
K36-13



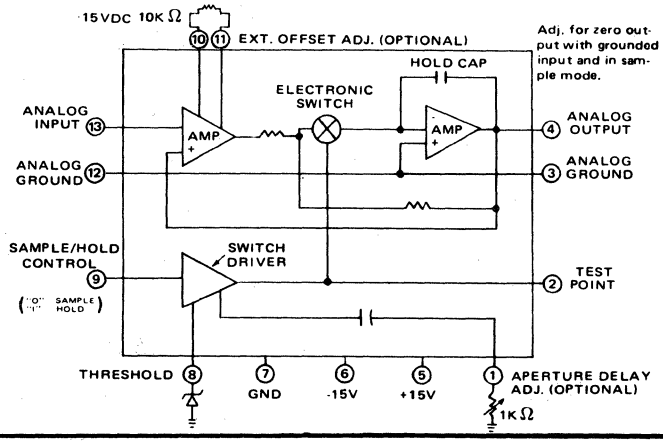
K36-14



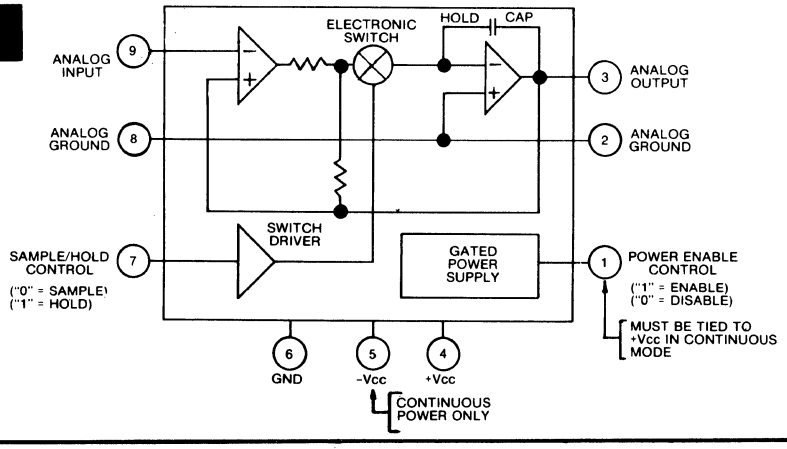
K36-15



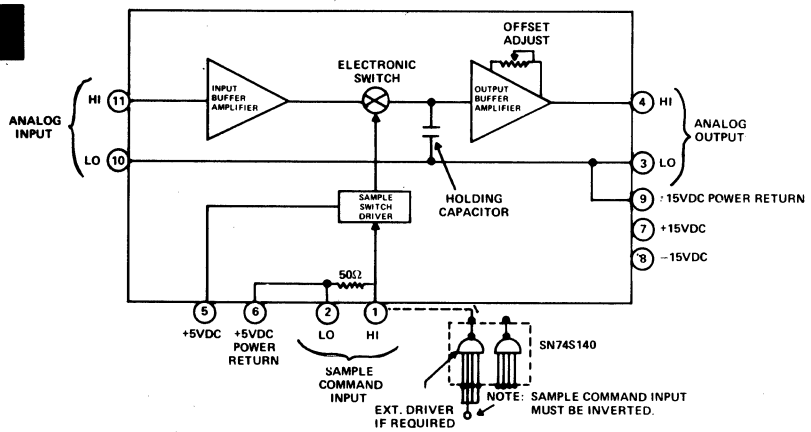
K36-16



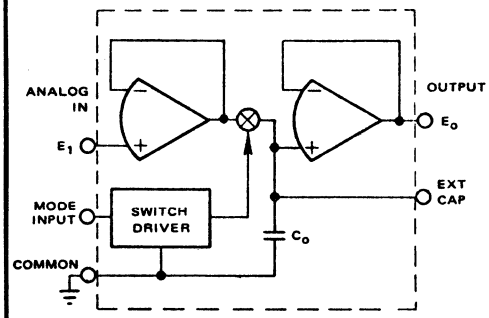
K36-17



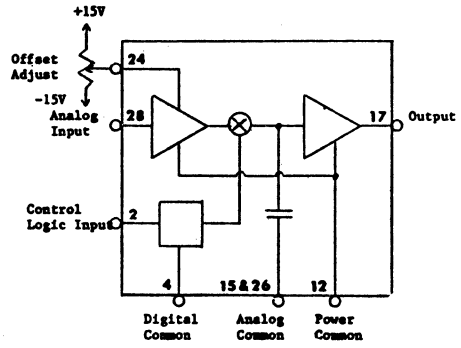
K36-18



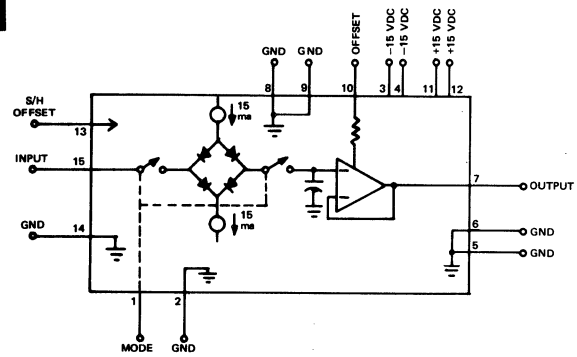
K36-19



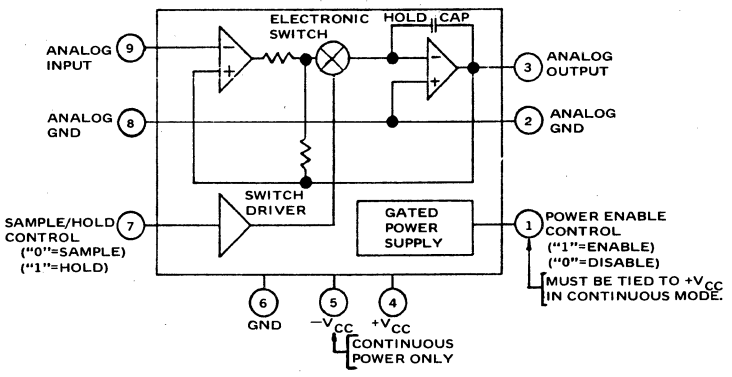
K36-20



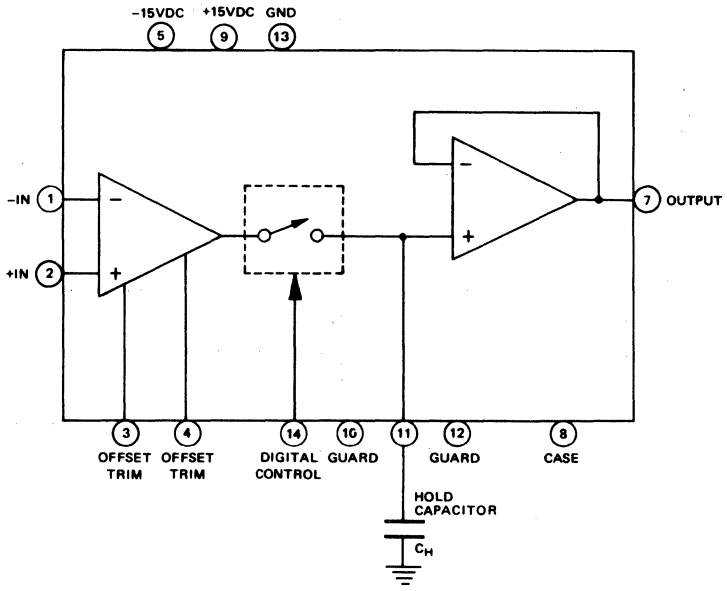
K36-21



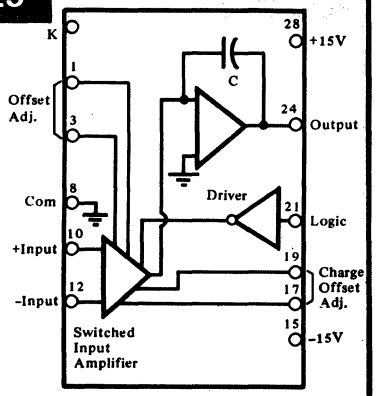
K36-23



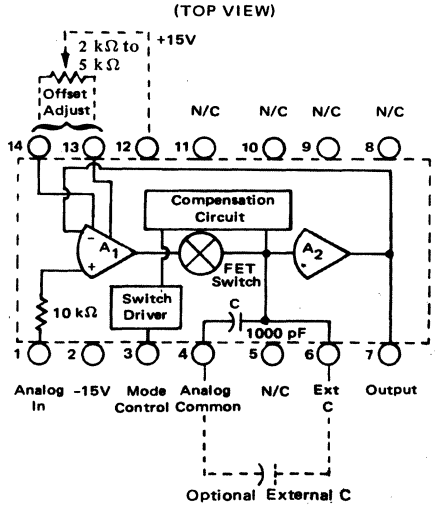
K36-24



K36-25

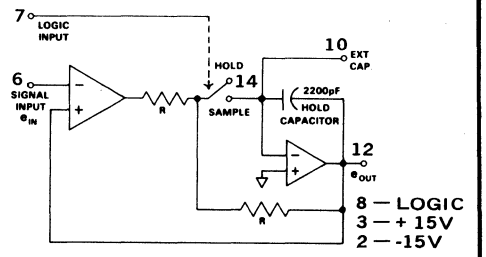


K36-26

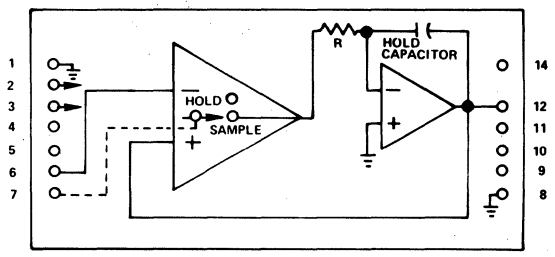


NOTE: Pins 5, 8, 9, 10 and 11 are not internally connected.

K36-27

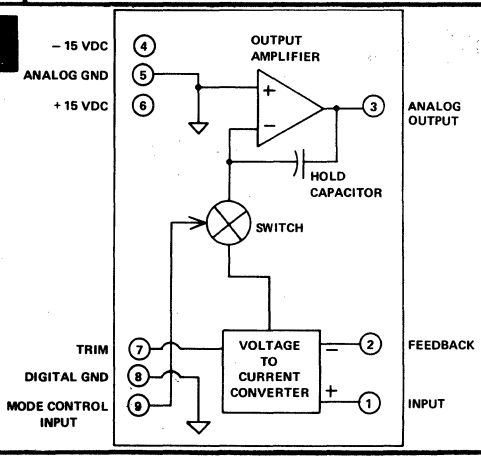


K36-28

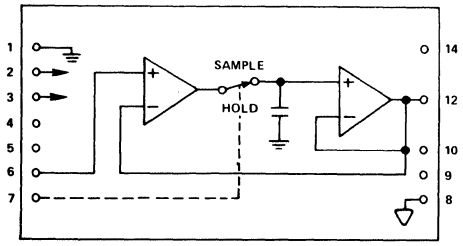


1. ANALOG GROUND
2. -15V
3. +15V
4. N.C.
5. N.C.
6. SIGNAL IN
7. CONTROL IN
8. LOGIC GROUND
9. N.C.
10. N.C.
11. N.C.
12. ANALOG OUTPUT
13. NO PIN
14. N.C.

K36-29

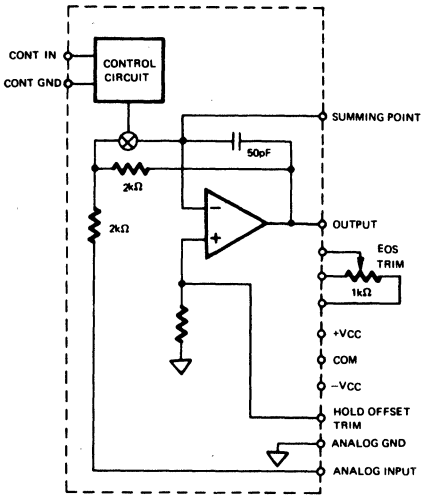


K36-30

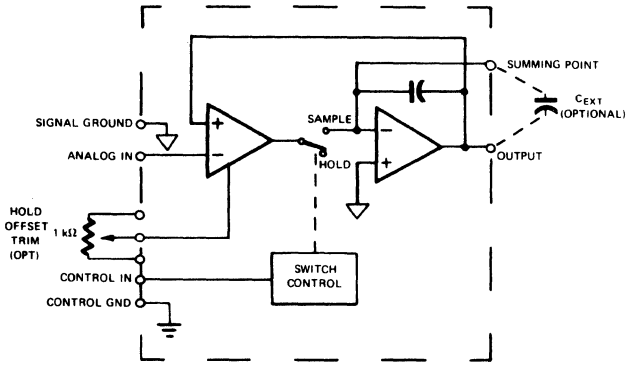


1. ANALOG GROUND
2. -15V
3. +15V
4. N.C.
5. N.C.
6. SIGNAL IN
7. CONTROL IN
8. LOGIC GROUND
9. N.C.
10. N.C.
11. NO PIN
12. ANALOG OUTPUT
13. NO PIN
14. N.C.

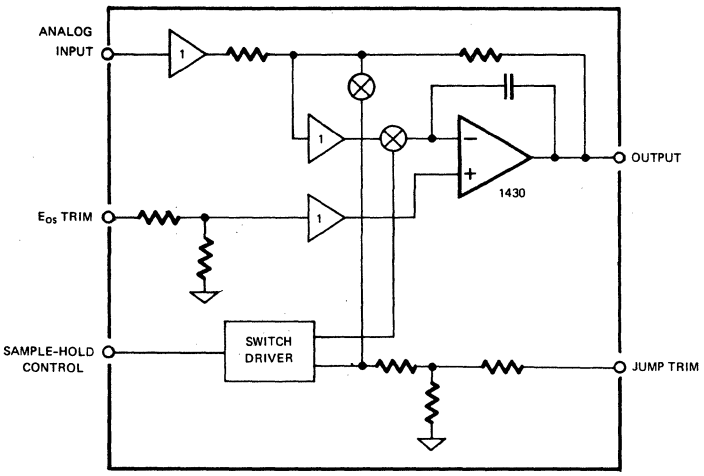
K36-31



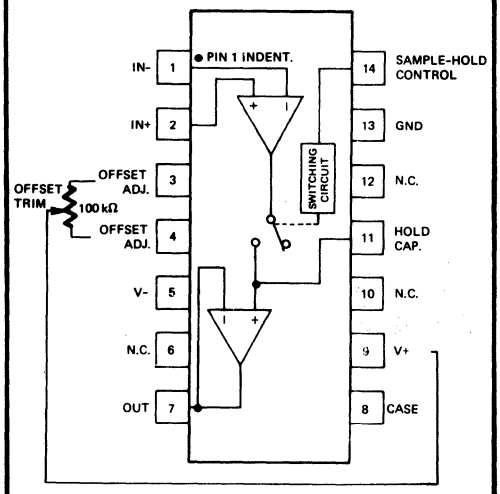
K36-32



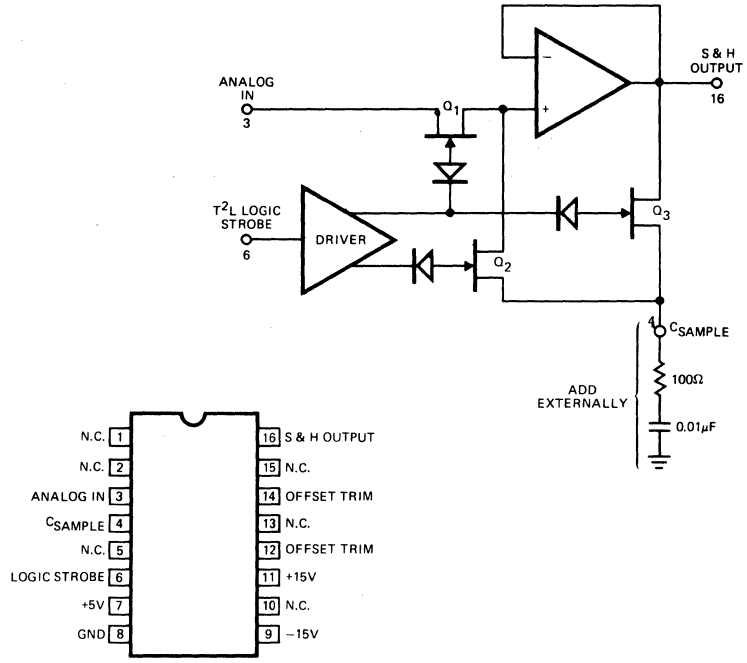
K36-33



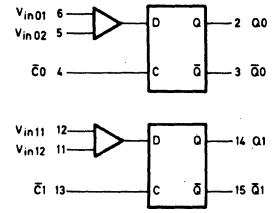
K36-34



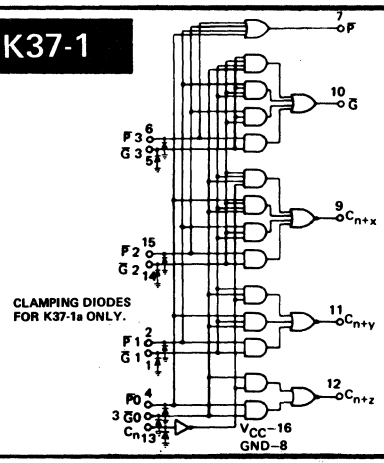
K36-35



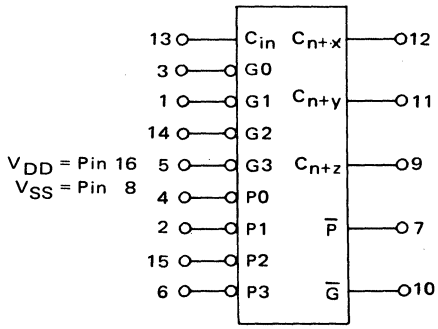
K36-36



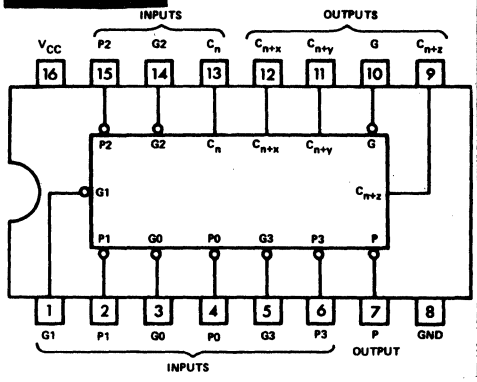
K37-1



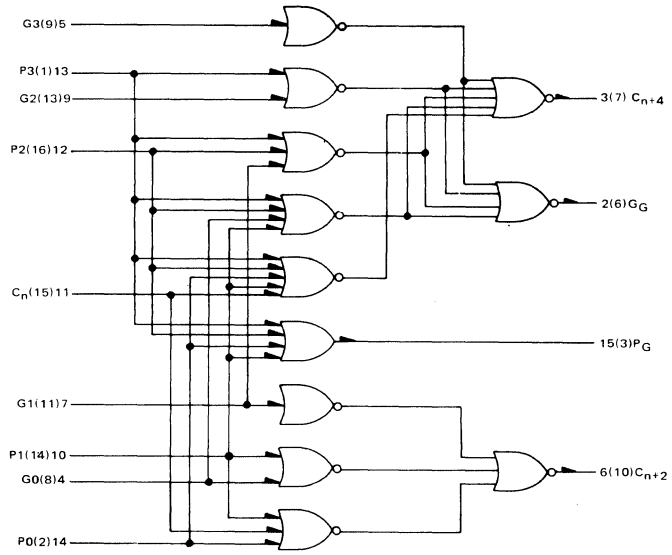
K37-4



K37-5



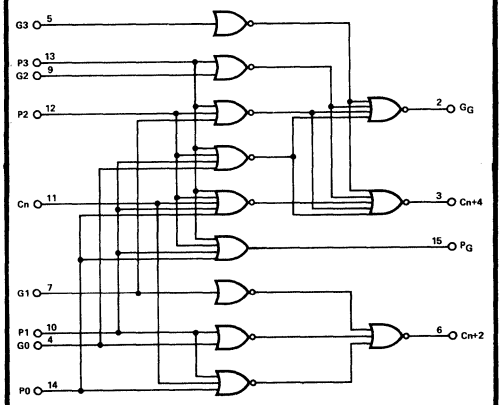
K37-6



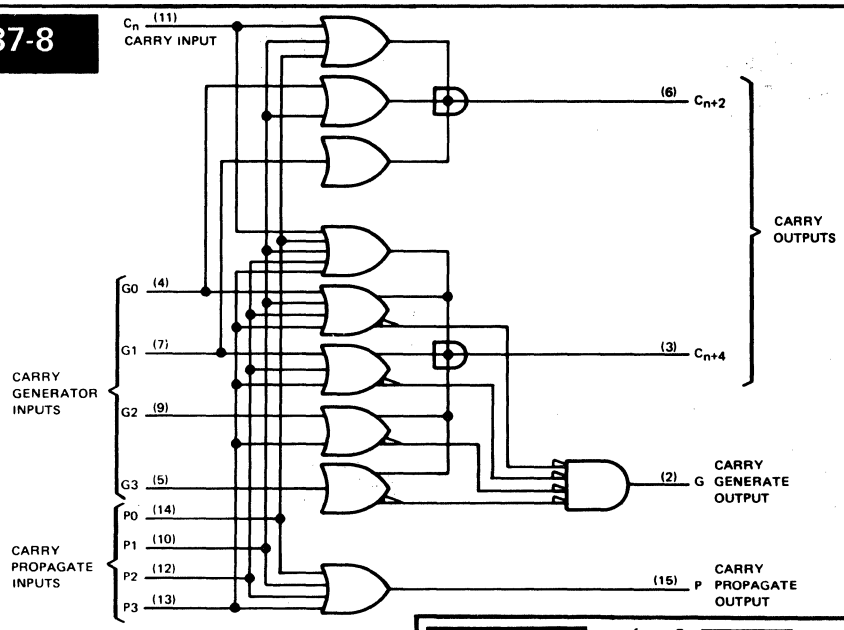
V_{CC1} = Pin 1 (5)
V_{CC2} = Pin 16 (4)
V_{EE} = Pin 8 (12)

Numbers at end of terminals are pin numbers for L package
Numbers in parenthesis denotes pin numbers for F package

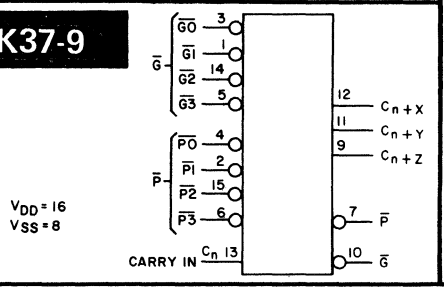
K37-7



K37-8

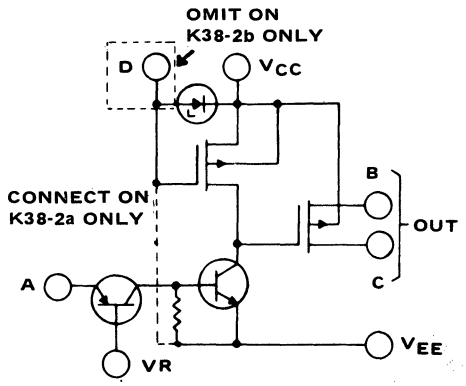


K37-9



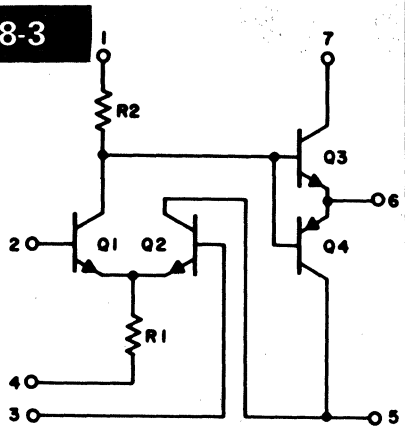
V_{DD} = 16
V_{SS} = 8

K38-2

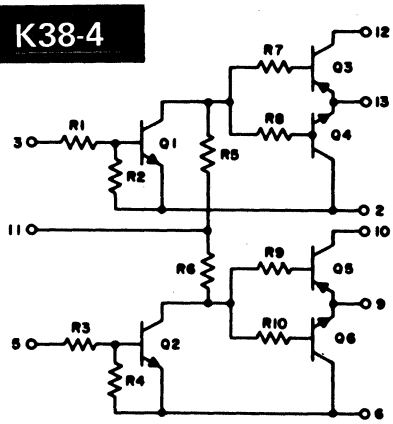


	CKT.NO.	A	B	C	D	VCC	VR	VEE
K38-2a	1	9	13	3	4	12	10	5
	2	8	14	3	4	12	10	5
	3	7	1	3	4	12	10	5
	4	6	2	3	4	12	10	5
K38-2b	1	5	2	3		11	10	4
	2	6	1	3		11	10	4
	3	7	14	3		11	10	4
	4	8	13	3		11	10	4
	5	9	12	3		11	10	4

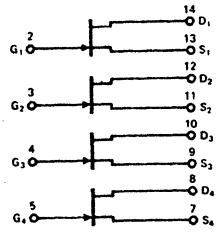
K38-3



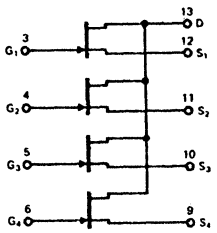
K38-4



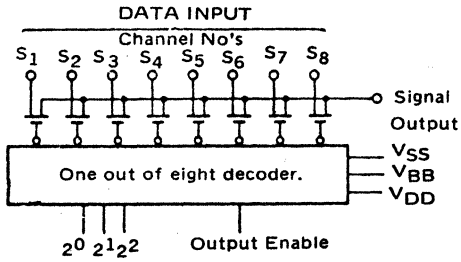
K38-5



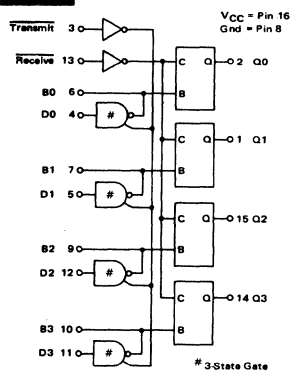
K38-6



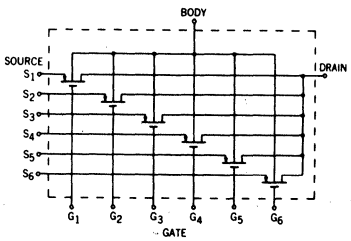
K38-7



K38-8

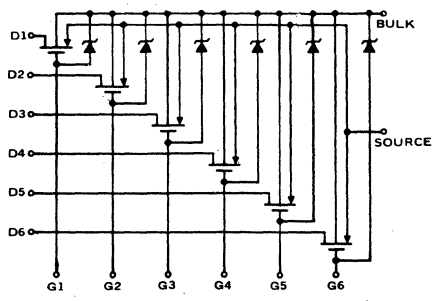


K38-9



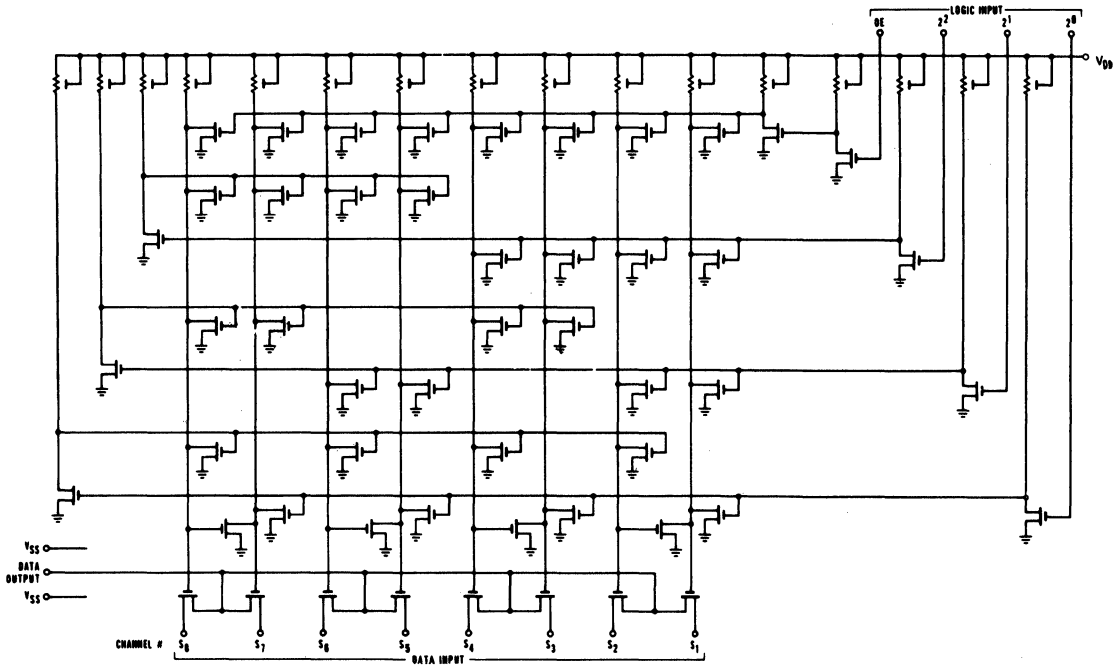
	G1	G2	G3	G4	G5	G6	BODY	DRAIN	S1	S2	S3	S4	S5	S6
K38-9	1	2	3	4	5	6	7	14	13	12	11	10	9	8

K38-10



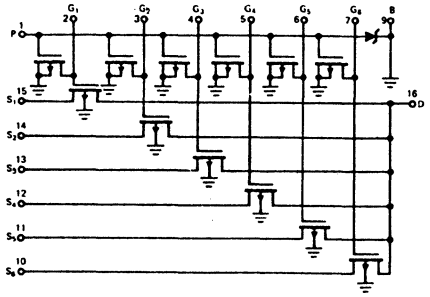
	D						G							
	1	2	3	4	5	6	1	2	3	4	5	6	BULK	SOURCE
K38-10	14	13	12	11	10	9	1	2	3	4	5	6	8	7
K38-10a	14	13	12	11	10	9	1	2	3	4	5	6	7	8

K38-11

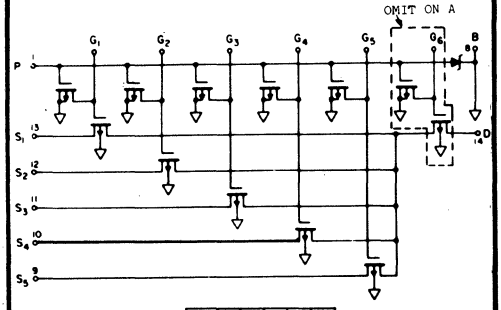


	OUT ENABLE	VSS	DATA IN	VDD	LOGIC IN
K38-11	1	2,4	5-12	13	14-16

K38-12

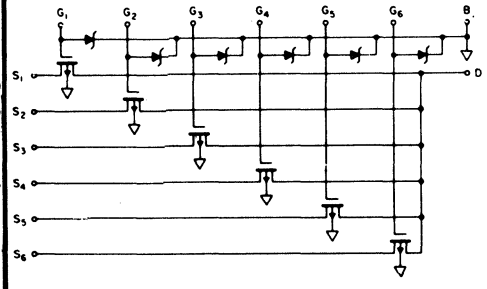


K38-13

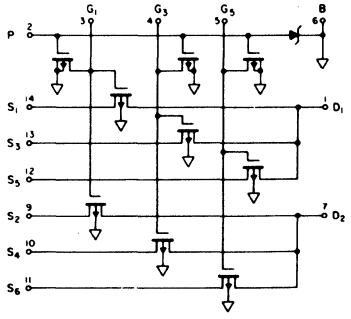


	G1	G2	G3	G4	G5	G6
K38-13	3	4	5	6	7	2
K38-13a	2	3	4	5	6	

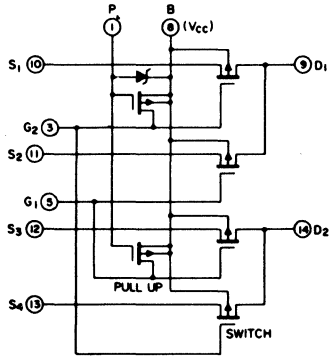
K38-14



K38-15

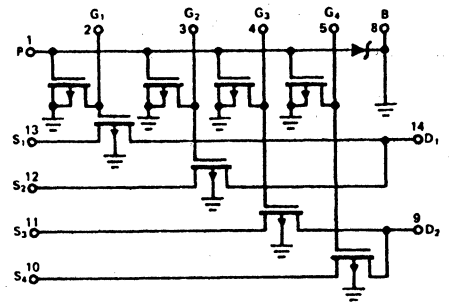


K38-16

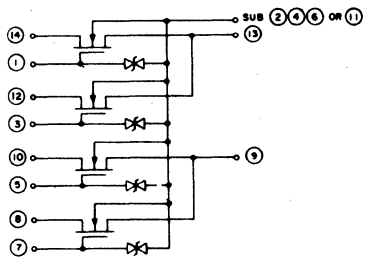


	CKT	S	G	B	D
K38-14	1	14	1		
	2	13	2		
	3	12	3		
	4	11	4		
	5	10	5		
	6	9	6		
K38-14a	1	2	1	5	10
	2	3	4		
	3	7	6		
	4	8	9		
K38-14b	1	14	1	8	7
	2	13	2		
	3	12	3		
	4	11	4		
	5	10	5		
	6	9	6		

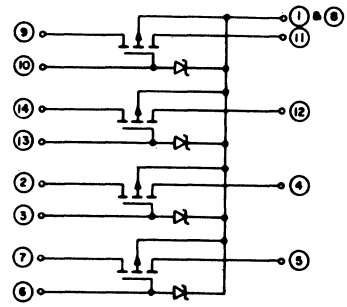
K38-17



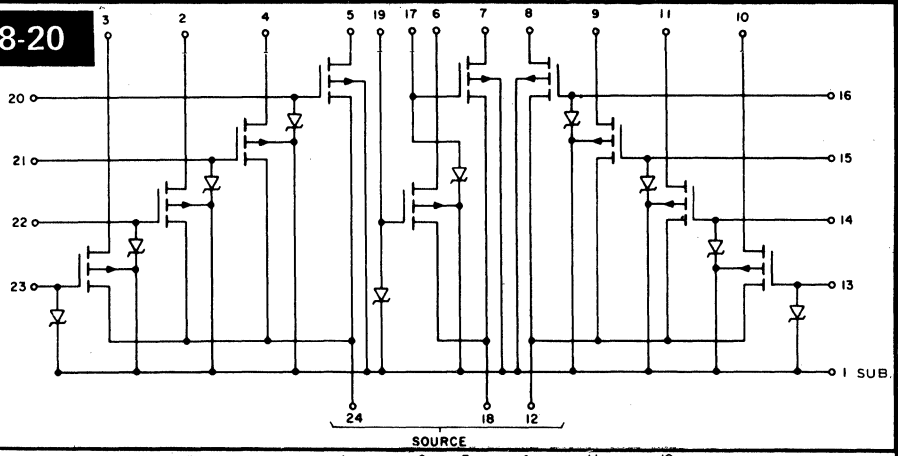
K38-18



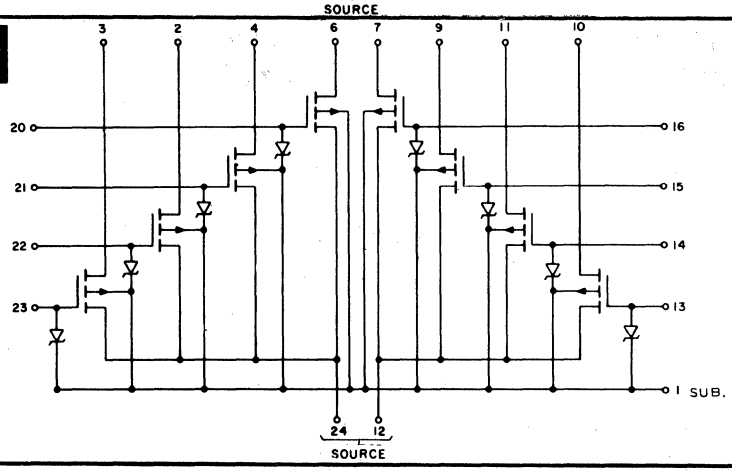
K38-19



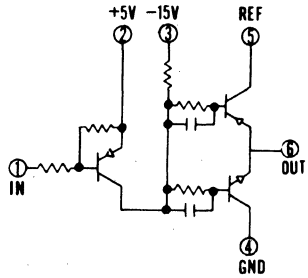
K38-20



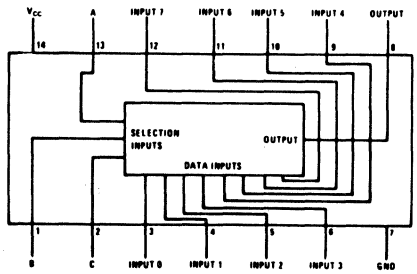
K38-21



K38-22



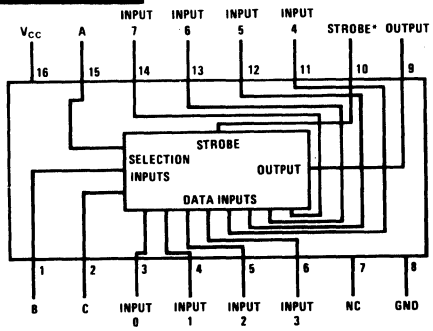
K38-23



SELECTION INPUTS C	B	A	DATA INPUTS 0	1	2	3	4	5	6	7	OUTPUT
0	0	0	0	X	X	X	X	X	X	X	0
0	0	0	1	X	X	X	X	X	X	X	1
0	0	1	X	0	X	X	X	X	X	X	0
0	0	1	X	1	X	X	X	X	X	X	1
0	1	0	X	X	0	X	X	X	X	X	0
0	1	0	X	X	1	X	X	X	X	X	1
0	1	1	X	X	X	0	X	X	X	X	0
0	1	1	X	X	X	1	X	X	X	X	1
1	0	0	X	X	X	X	0	X	X	X	0
1	0	0	X	X	X	X	1	X	X	X	1
1	0	1	X	X	X	X	X	0	X	X	0
1	0	1	X	X	X	X	X	1	X	X	1
1	1	0	X	X	X	X	X	X	0	X	0
1	1	0	X	X	X	X	X	X	1	X	1
1	1	1	X	X	X	X	X	X	X	0	0
1	1	1	X	X	X	X	X	X	X	1	1

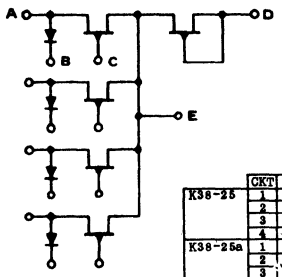
X = "Don't Care" Condition

K38-24



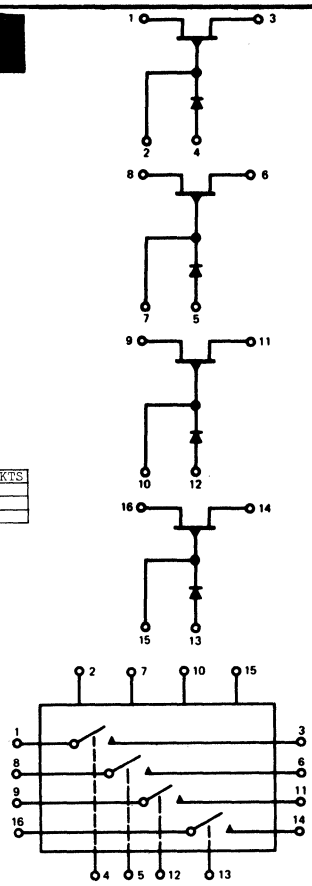
*A Logical 1 on the strobe input causes the output to go the Logical 1 state.
A Logical 0 on the strobe input allows information to be routed through the device.

K38-25



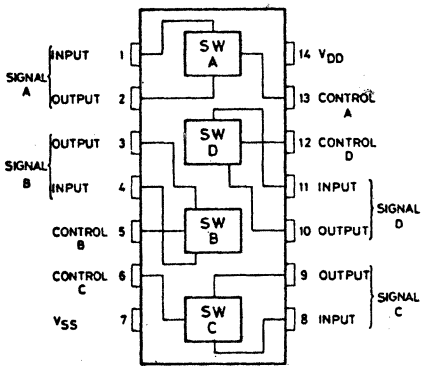
	CKT	A	B	C	D	E
K38-25	1	2	3	1	4	11
	2	6	5	7		
	3	9	10	8		
	4	13	12	14		
K38-25a	1	2	3	1	4	11
	2	6	5	7		
	3	9	10	8		
K38-25b	1	2	3	1	4	5
	2	7	6	8		
K38-25c	1	2	3	1	4	5

K38-26

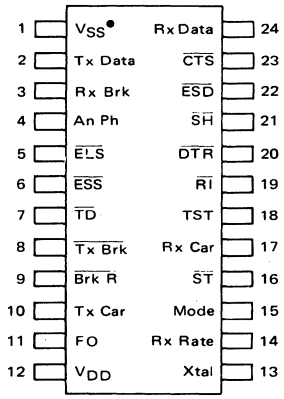


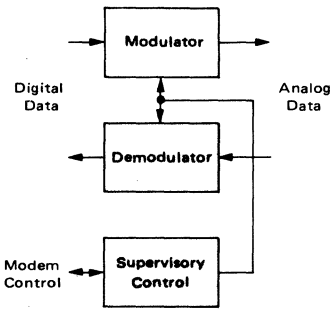
	NO CKTS
K38-26	4
K38-26a	3
K38-26b	2

K38-28

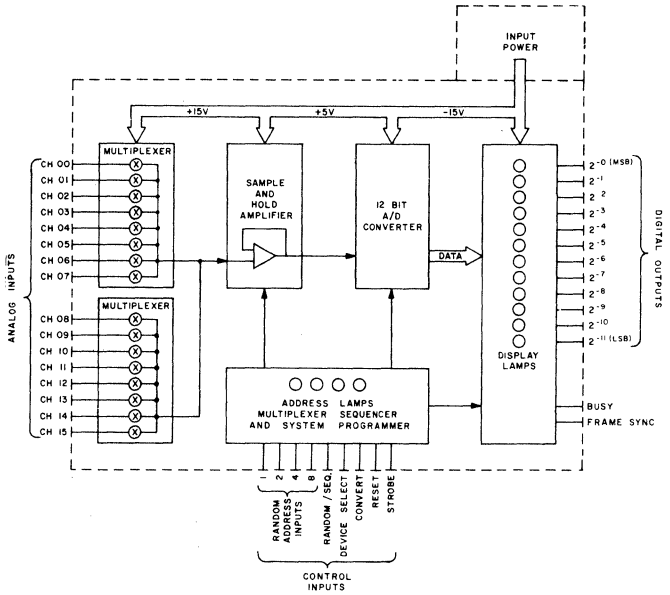


K39-3

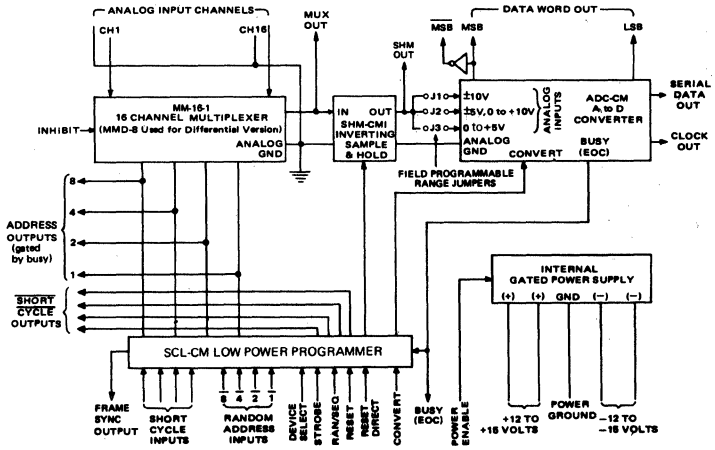




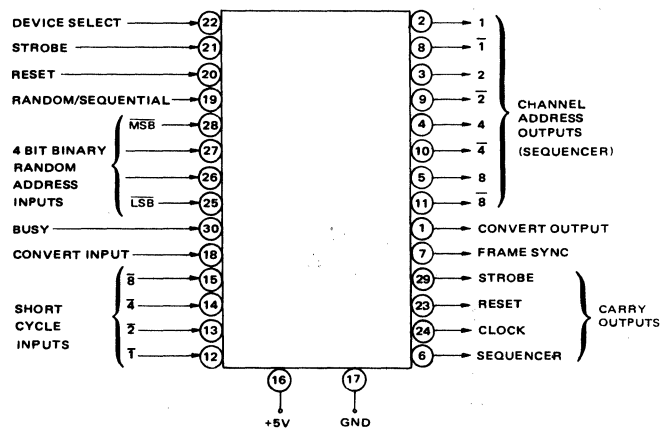
K39-4



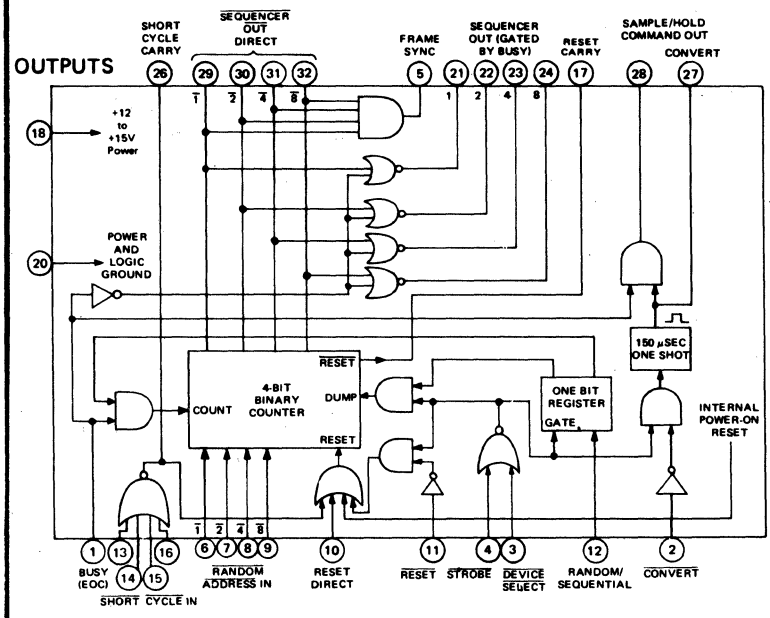
K39-5



K39-6



K39-7



K39-8

PIN ASSIGNMENT

	1. V_{SS}	40.	SEG G
	2. SEG F	39.	SEG H
	3. SEG E	38.	DP
	4. SEG D	37.	*
	5. SEG C	36.	*
	6. SEG B	35.	KA_1
	7. SEG A	34.	KA_2
	8. STROBE 0	33.	KA_4
	9. STROBE 1	32.	KA_8
	10. STROBE 2	31.	TEST
	11. STROBE 3	30.	DEC
	12. STROBE 4	29.	ACC
	13. STROBE 5	28.	*
	14. STROBE 6	27.	–
	15. STROBE 7	26.	POR
*NO CONNECTION	16. STROBE 8	25.	CLK
	17. STROBE 9	24.	*
	18. *	23.	V_{DD}
	19. *	22.	*
	20. *	21.	*

K39-9

PIN ASSIGNMENT

1.	V_{SS}	40.	SEG G
2.	SEG F	39.	*
3.	SEG E	38.	DP
4.	SEG D	37.	*
5.	SEG C	36.	*
6.	SEG B	35.	KA_1
7.	SEG A	34.	KA_2
8.	STROBE 0	33.	KA_4
9.	STROBE 1	32.	KA_8
10.	STROBE 2	31.	TEST
11.	STROBE 3	30.	DS
12.	STROBE 4	29.	MODE
13.	STROBE 5	28.	ROUND
14.	STROBE 6	27.	*
15.	STROBE 7	26.	POR
16.	STROBE 8	25.	CLK
17.	STROBE 9	24.	*
18.	STROBE 10	23.	V_{DD}
19.	STROBE 11	22.	*
20.	STROBE 12	21.	*

*No Connection

K39-10

V_{SS}	1	40	TEST*
*TEST	2	39	TEST*
*TEST	3	38	TEST*
O4	4	37	FLO
O3	5	36	N/C
O2	6	35	K1
O1	7	34	K2
ST0	8	33	K4
ST1	9	32	K8
ST2	10	31	TEST*
ST3	11	30	I1
ST4	12	29	I2
ST5	13	28	I4
ST6	14	27	I8
ST7	15	26	POR
ST8	16	25	ϕ
ST9	17	24	SL1*
N/C	18	23	V_{DD}
ST11	19	22	N/C
N/C	20	21	N/C

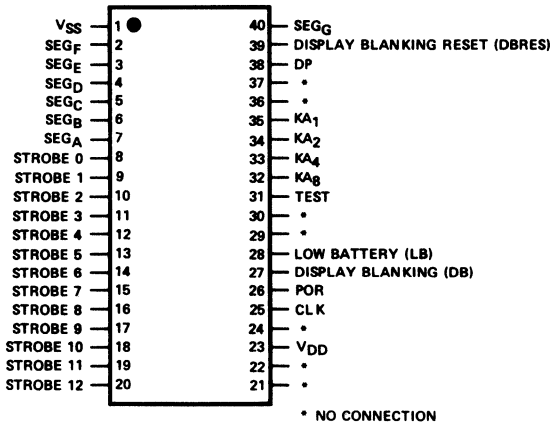
* USED FOR TESTING ONLY.

K39-11

V_{SS}	1	40	L6*
*L5	2	39	L7*
*L4	3	38	SOL15
*L3	4	37	SOL16
MOT	5	36	N1
L2	6	35	N2
L1	7	34	N3
SOL0	8	33	N4
SOL1	9	32	TEST*
SOL2	10	31	HS
SOL3	11	30	T2
SOL4	12	29	T1
SOL5	13	28	F
SOL6	14	27	N5
SOL7	15	26	POR
SOL8	16	25	ϕ
SOL9	17	24	SL1*
SOL10	18	23	V_{DD}
SOL11	19	22	SOL14
SOL12	20	21	SOL13

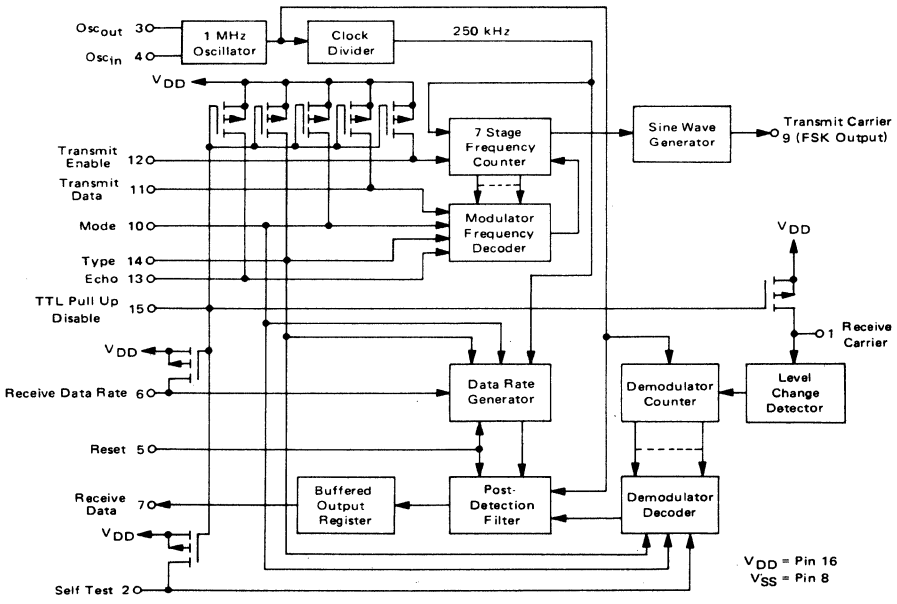
* USED FOR TESTING ONLY.

K39-12

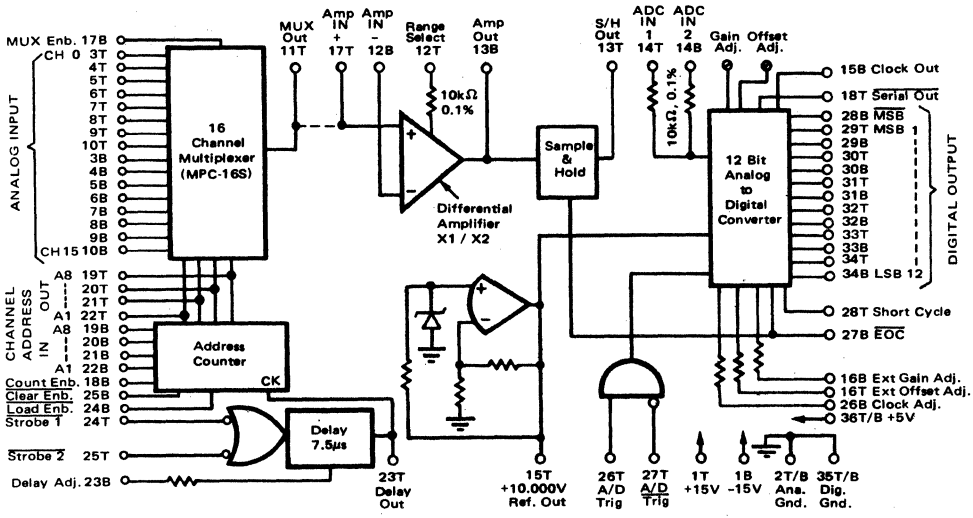


* NO CONNECTION

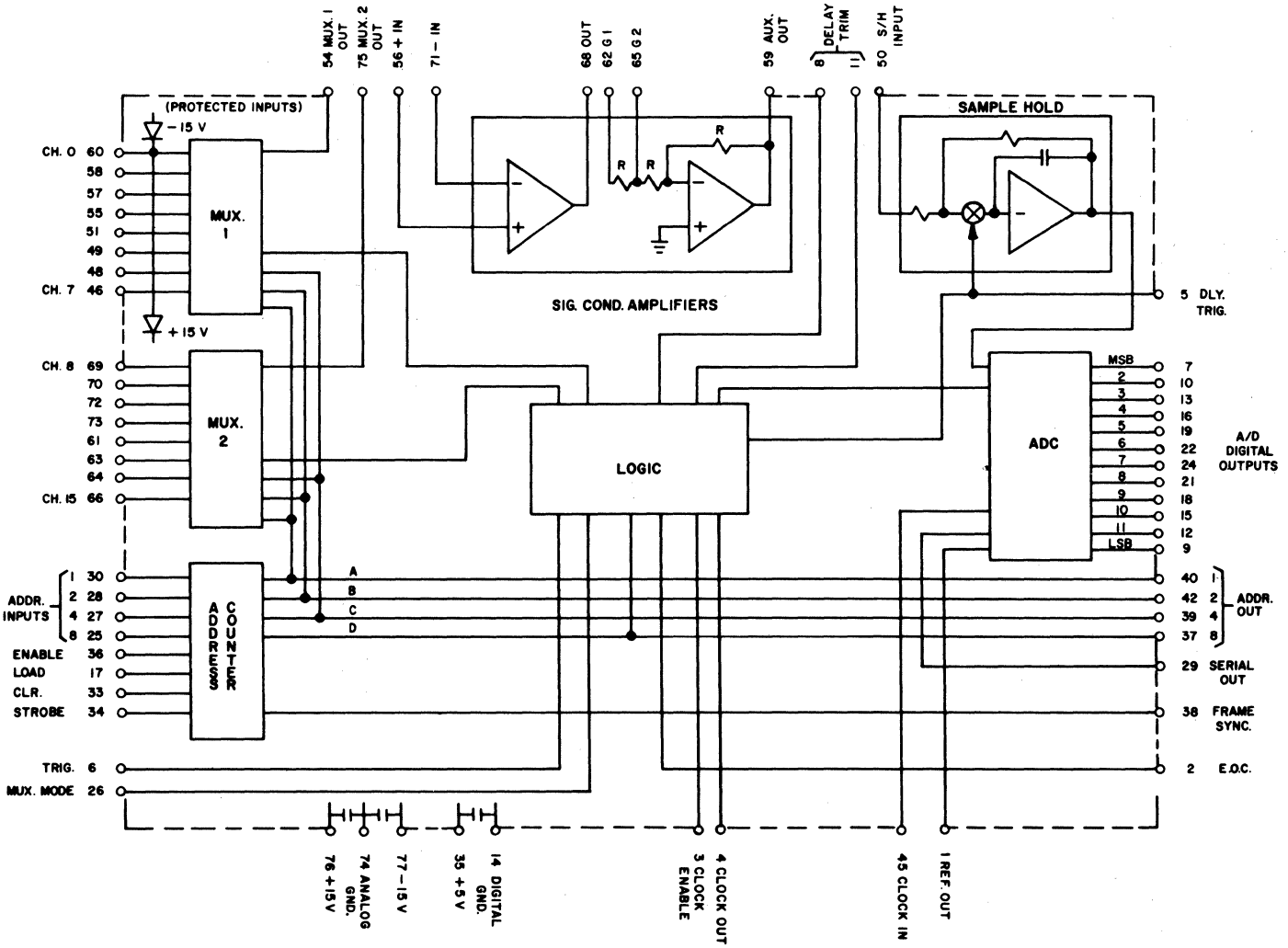
K39-13



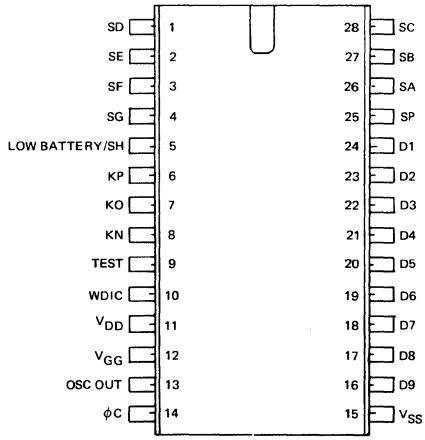
K39-14


MUX Enb. 17B
CH 0 3T
4T
5T
6T
7T
8T
9T
10T
3B
4B
5B
6B
7B
8B
9B
CH 15 10B
ANALOG INPUT
16 Channel Multiplexer (MPC-16S)
MUX Out 11T
Amp IN + 17T
Amp IN − 12B
Range Select 12T
Amp Out 13B
10kΩ 0.1%
Differential Amplifier X1 / X2
Sample & Hold
S/H Out 13T
ADC IN 1 14T
ADC IN 2 14B
10kΩ, 0.1%
Gain Adj.
Offset Adj.
12 Bit Analog to Digital Converter
15B Clock Out
18T Serial Out
28B MSB
29T MSB 1
29B
30T
30B
31T
31B
32T
32B
33T
33B
34T
34B LSB 12
DIGITAL OUTPUT
28T Short Cycle
27B EOC
16B Ext Gain Adj.
16T Ext Offset Adj.
26B Clock Adj.
36T/B +5V
CHANNEL ADDRESS OUT
A8 19T
20T
21T
A1 22T
IN
A8 19B
20B
21B
A1 22B
Address Counter
CK
Count Enb. 18B
Clear Enb. 25B
Load Enb. 24B
Strobe 1 24T
Strobe 2 25T
Delay Adj. 23B
Delay 7.5µs
23T Delay Out
15T +10.000V Ref. Out
26T A/D Trig
27T A/D Trig
1T +15V
1B -15V
2T/B Ana. Gnd.
35T/B Dig. Gnd.

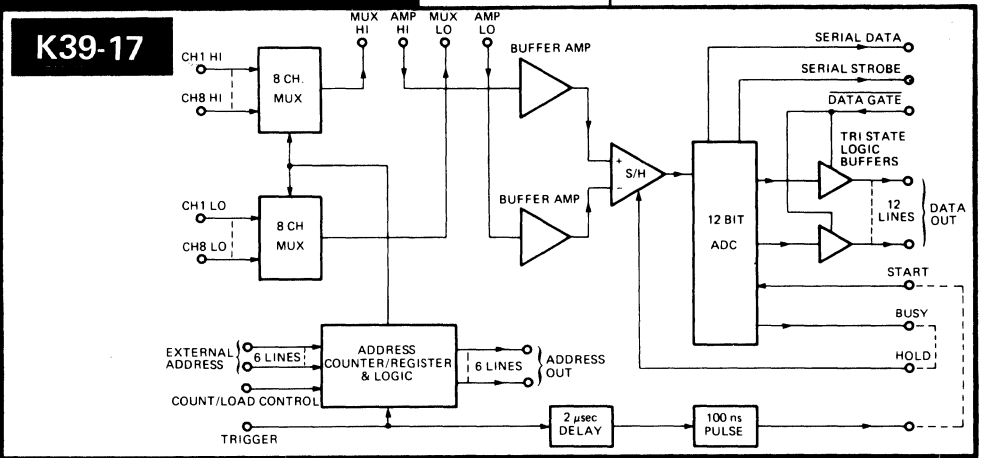
K39-15


54 MUX. 1 OUT
75 MUX. 2 OUT
56 + IN
71 − IN
68 OUT
62 G 1
65 G 2
59 AUX. OUT
8 DELAY TRIM 11
50 S/H INPUT
(PROTECTED INPUTS)
− 15 V
+ 15 V
CH. 0 60
58
57
55
51
49
48
CH. 7 46
MUX. 1
CH. 8 69
70
72
73
61
63
64
CH. 15 66
MUX. 2
R
R R
SIG. COND. AMPLIFIERS
SAMPLE HOLD
5 DLY. TRIG.
LOGIC
ADC
MSB 7
2 10
3 13
4 16
5 19
6 22
7 24
8 21
9 18
10 15
11 12
LSB 9
A/D DIGITAL OUTPUTS
ADDR. INPUTS
1 30
2 28
4 27
8 25
ADDRESS COUNTER
A
B
C
D
40 1
42 2
39 4
37 8
ADDR. OUT
ENABLE 36
LOAD 17
CLR. 33
STROBE 34
29 SERIAL OUT
38 FRAME SYNC.
TRIG. 6
MUX. MODE 26
2 E.O.C.
76 +15 V
74 ANALOG GND.
77 − 15 V
35 +5 V
14 DIGITAL GND.
3 CLOCK ENABLE
4 CLOCK OUT
45 CLOCK IN
1 REF. OUT

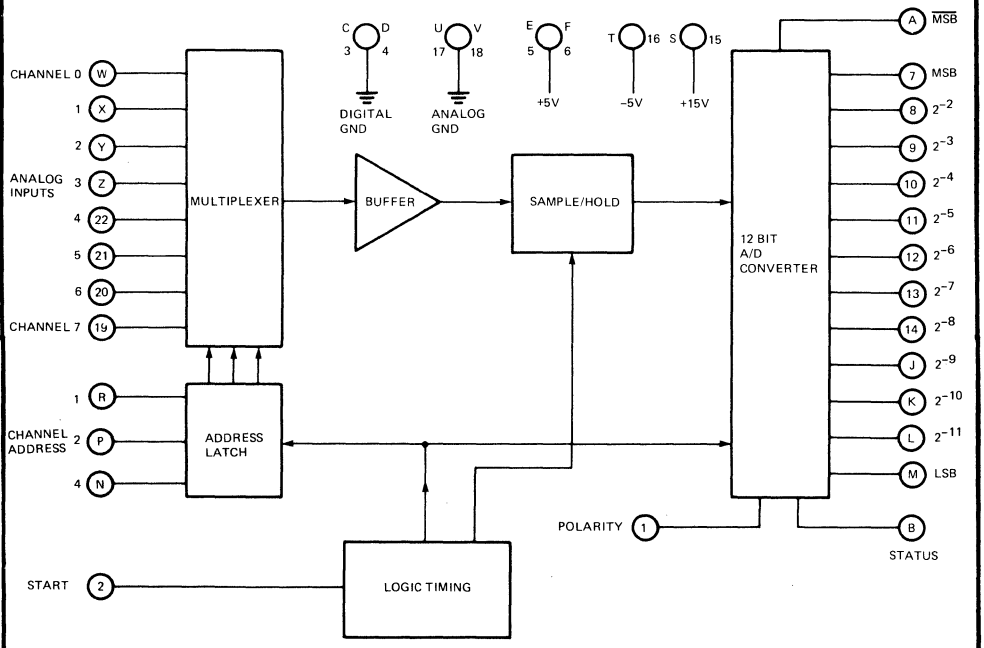
K39-16



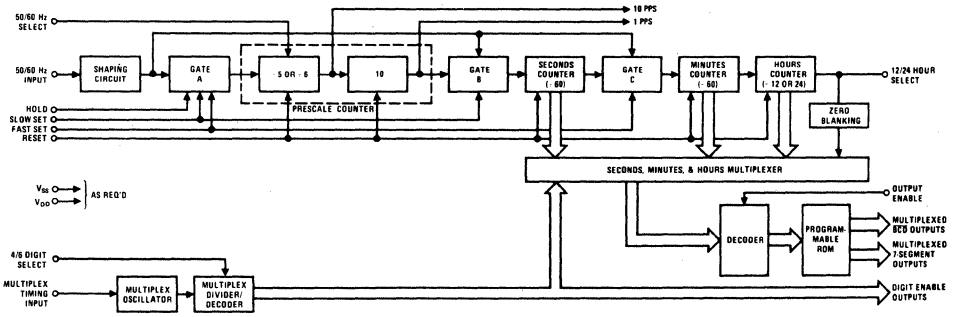
K39-17

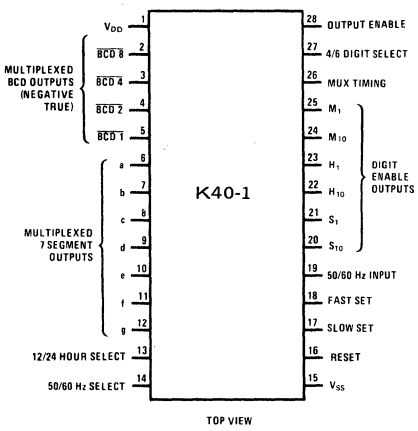


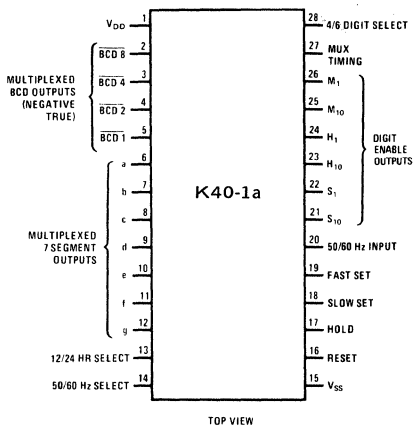
K39-18



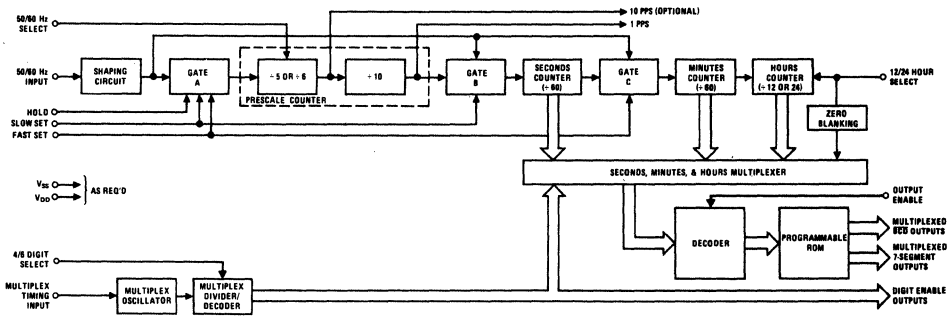
K40-1

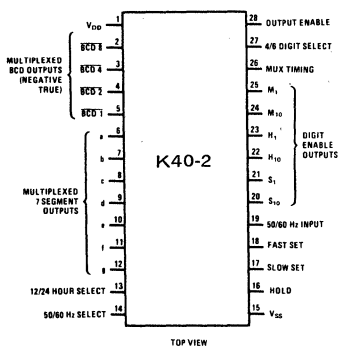

50/60 Hz SELECT
50/60 Hz INPUT
HOLD
SLOW SET
FAST SET
RESET
SHAPING CIRCUIT
GATE A
÷5 OR ÷6
÷10
PRESCALE COUNTER
GATE B
SECONDS COUNTER (÷60)
GATE C
MINUTES COUNTER (÷60)
HOURS COUNTER (÷12 OR 24)
10 PPS
1 PPS
12/24 HOUR SELECT
ZERO BLANKING
SECONDS, MINUTES, & HOURS MULTIPLEXER
V_{SS}
V_{DD}
AS REQ'D
OUTPUT ENABLE
DECODER
PROGRAM-MABLE ROM
MULTIPLEXED BCD OUTPUTS
MULTIPLEXED 7-SEGMENT OUTPUTS
4/6 DIGIT SELECT
MULTIPLEX TIMING INPUT
MULTIPLEX OSCILLATOR
MULTIPLEX DIVIDER/ DECODER
DIGIT ENABLE OUTPUTS

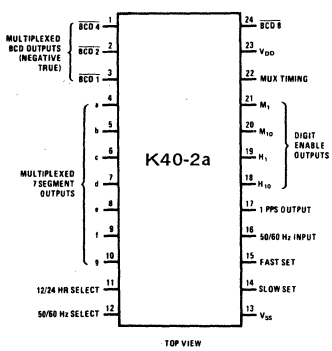

K40-1
MULTIPLEXED BCD OUTPUTS (NEGATIVE TRUE)
MULTIPLEXED 7 SEGMENT OUTPUTS
DIGIT ENABLE OUTPUTS
12/24 HOUR SELECT
50/60 Hz SELECT
OUTPUT ENABLE
4/6 DIGIT SELECT
MUX TIMING
50/60 Hz INPUT
FAST SET
SLOW SET
RESET
TOP VIEW

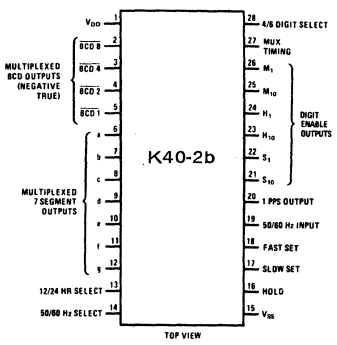

K40-1a
MULTIPLEXED BCD OUTPUTS (NEGATIVE TRUE)
MULTIPLEXED 7 SEGMENT OUTPUTS
DIGIT ENABLE OUTPUTS
12/24 HR SELECT
50/60 Hz SELECT
4/6 DIGIT SELECT
MUX TIMING
50/60 Hz INPUT
FAST SET
SLOW SET
HOLD
RESET
TOP VIEW

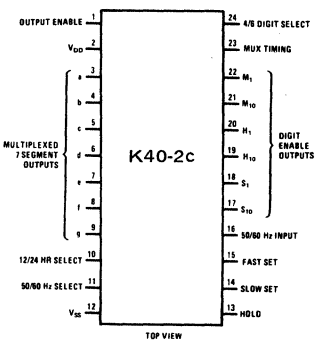
K40-2


50/60 Hz SELECT
50/60 Hz INPUT
HOLD
SLOW SET
FAST SET
SHAPING CIRCUIT
GATE A
÷5 OR ÷6
PRESCALE COUNTER
÷10
GATE B
SECONDS COUNTER (÷60)
GATE C
MINUTES COUNTER (÷60)
HOURS COUNTER (÷12 OR 24)
10 PPS (OPTIONAL)
1 PPS
12/24 HOUR SELECT
ZERO BLANKING
SECONDS, MINUTES, & HOURS MULTIPLEXER
V_{SS}
V_{DD}
AS REQ'D
OUTPUT ENABLE
DECODER
PROGRAMMABLE ROM
MULTIPLEXED BCD OUTPUTS
MULTIPLEXED 7-SEGMENT OUTPUTS
4/6 DIGIT SELECT
MULTIPLEX TIMING INPUT
MULTIPLEX OSCILLATOR
MULTIPLEX DIVIDER/ DECODER
DIGIT ENABLE OUTPUTS

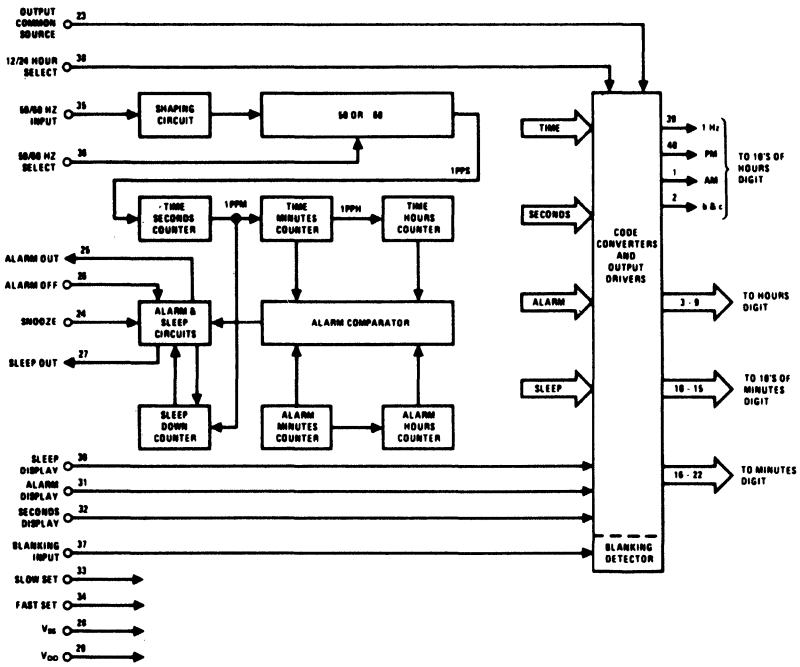

K40-2
MULTIPLEXED BCD OUTPUTS (NEGATIVE TRUE)
MULTIPLEXED 7 SEGMENT OUTPUTS
DIGIT ENABLE OUTPUTS
12/24 HOUR SELECT
50/60 Hz SELECT
OUTPUT ENABLE
4/6 DIGIT SELECT
MUX TIMING
50/60 Hz INPUT
FAST SET
SLOW SET
HOLD
TOP VIEW


K40-2a
MULTIPLEXED BCD OUTPUTS (NEGATIVE TRUE)
MULTIPLEXED 7 SEGMENT OUTPUTS
DIGIT ENABLE OUTPUTS
12/24 HR SELECT
50/60 Hz SELECT
MUX TIMING
1 PPS OUTPUT
50/60 Hz INPUT
FAST SET
SLOW SET
TOP VIEW

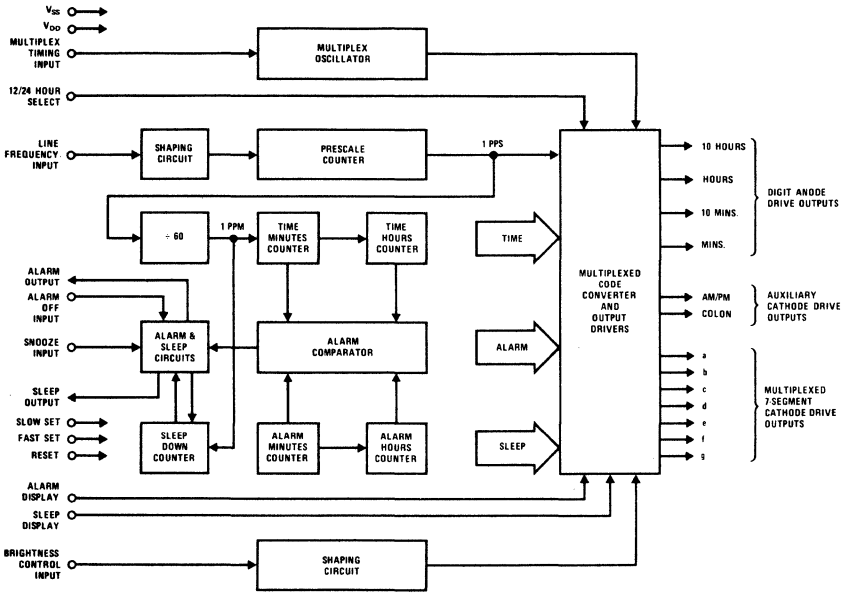

K40-2b
MULTIPLEXED BCD OUTPUTS (NEGATIVE TRUE)
MULTIPLEXED 7 SEGMENT OUTPUTS
DIGIT ENABLE OUTPUTS
12/24 HR SELECT
50/60 Hz SELECT
4/6 DIGIT SELECT
MUX TIMING
1 PPS OUTPUT
50/60 Hz INPUT
FAST SET
SLOW SET
TOP VIEW

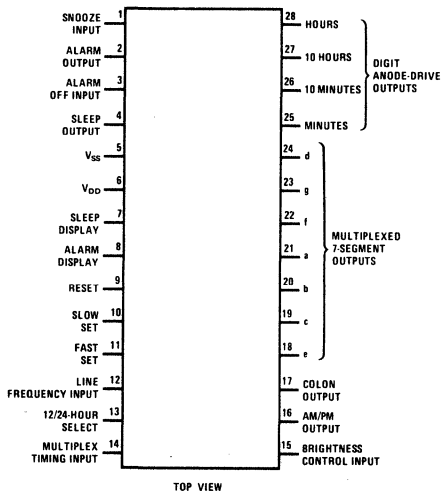

K40-2c
OUTPUT ENABLE
MULTIPLEXED 7 SEGMENT OUTPUTS
DIGIT ENABLE OUTPUTS
12/24 HR SELECT
50/60 Hz SELECT
4/6 DIGIT SELECT
MUX TIMING
50/60 Hz INPUT
FAST SET
SLOW SET
HOLD
TOP VIEW

K40-3

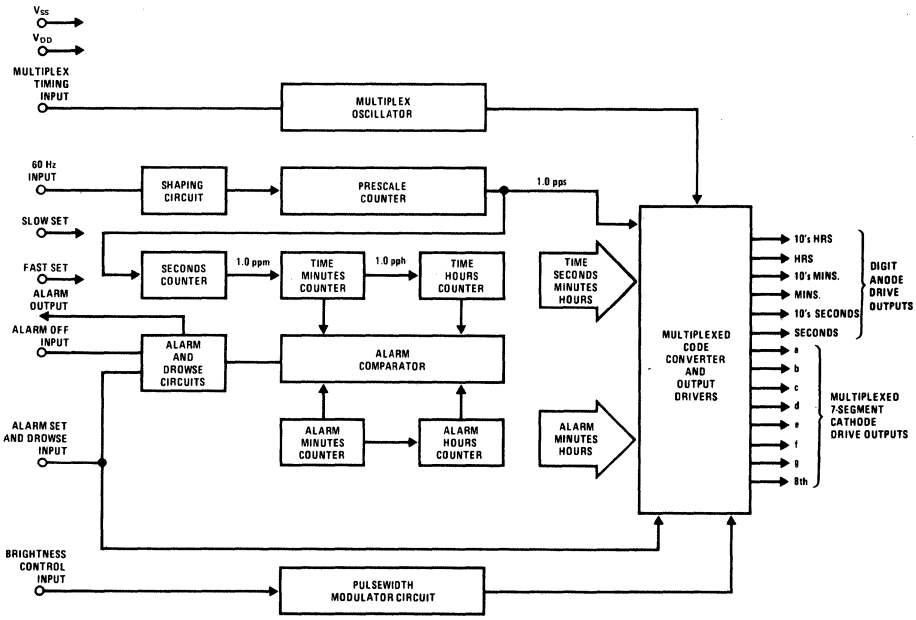

OUTPUT COMMON SOURCE
23
12/24 HOUR SELECT
38
50/60 HZ INPUT
35
50/60 HZ SELECT
36
SHAPING CIRCUIT
50 OR 60
1PPS
TIME SECONDS COUNTER
1PPH
TIME MINUTES COUNTER
1PPH
TIME HOURS COUNTER
ALARM OUT
25
ALARM OFF
28
SNOOZE
24
SLEEP OUT
27
ALARM & SLEEP CIRCUITS
ALARM COMPARATOR
SLEEP DOWN COUNTER
ALARM MINUTES COUNTER
ALARM HOURS COUNTER
SLEEP DISPLAY
30
ALARM DISPLAY
31
SECONDS DISPLAY
32
BLANKING INPUT
37
SLOW SET
33
FAST SET
34
VSS
29
VDD
20
TIME
SECONDS
ALARM
SLEEP
CODE CONVERTERS AND OUTPUT DRIVERS
BLANKING DETECTOR
39
1 Hz
40
PM
1
AM
2
a & c
TO 10'S OF HOURS DIGIT
3 - 9
TO HOURS DIGIT
10 - 15
TO 10'S OF MINUTES DIGIT
16 - 22
TO MINUTES DIGIT

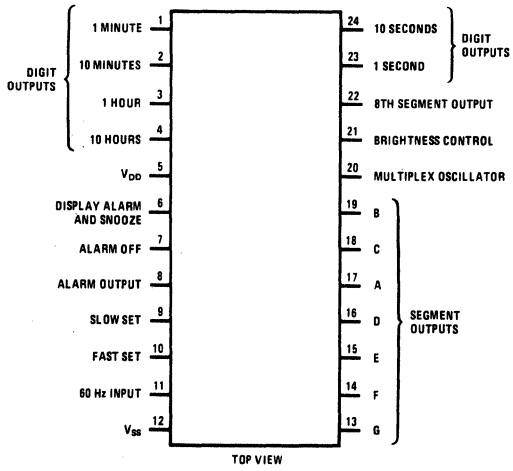
K40-4


VSS
VDD
MULTIPLEX TIMING INPUT
MULTIPLEX OSCILLATOR
12/24 HOUR SELECT
LINE FREQUENCY INPUT
SHAPING CIRCUIT
PRESCALE COUNTER
1 PPS
÷ 60
1 PPM
TIME MINUTES COUNTER
TIME HOURS COUNTER
ALARM OUTPUT
ALARM OFF INPUT
SNOOZE INPUT
ALARM & SLEEP CIRCUITS
ALARM COMPARATOR
SLEEP OUTPUT
SLOW SET
FAST SET
RESET
SLEEP DOWN COUNTER
ALARM MINUTES COUNTER
ALARM HOURS COUNTER
ALARM DISPLAY
SLEEP DISPLAY
BRIGHTNESS CONTROL INPUT
SHAPING CIRCUIT
TIME
ALARM
SLEEP
MULTIPLEXED CODE CONVERTER AND OUTPUT DRIVERS
10 HOURS
HOURS
10 MINS.
MINS.
DIGIT ANODE DRIVE OUTPUTS
AM/PM
COLON
AUXILIARY CATHODE DRIVE OUTPUTS
a
b
c
d
e
f
g
MULTIPLEXED 7-SEGMENT CATHODE DRIVE OUTPUTS

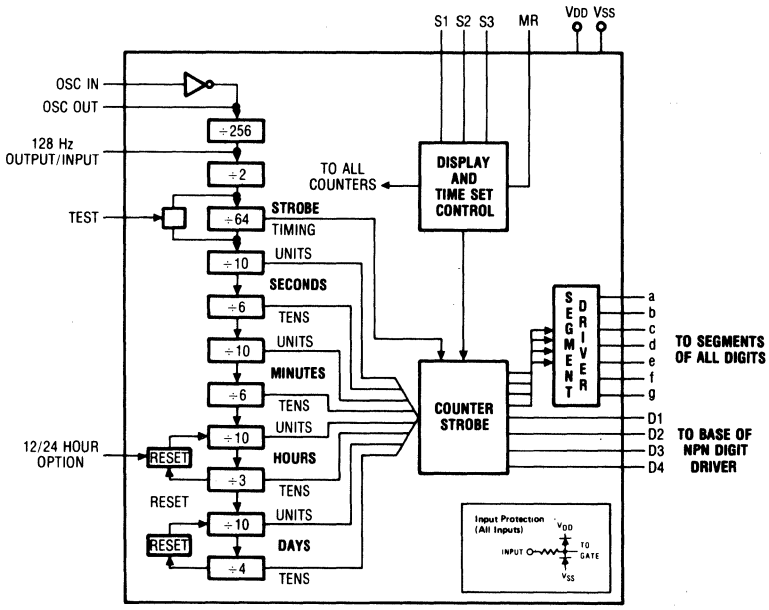

SNOOZE INPUT 1
ALARM OUTPUT 2
ALARM OFF INPUT 3
SLEEP OUTPUT 4
VSS 5
VDD 6
SLEEP DISPLAY 7
ALARM DISPLAY 8
RESET 9
SLOW SET 10
FAST SET 11
LINE FREQUENCY INPUT 12
12/24-HOUR SELECT 13
MULTIPLEX TIMING INPUT 14
28 HOURS
27 10 HOURS
26 10 MINUTES
25 MINUTES
DIGIT ANODE-DRIVE OUTPUTS
24 d
23 g
22 f
21 a
20 b
19 c
18 e
MULTIPLEXED 7-SEGMENT OUTPUTS
17 COLON OUTPUT
16 AM/PM OUTPUT
15 BRIGHTNESS CONTROL INPUT
TOP VIEW

K40-5

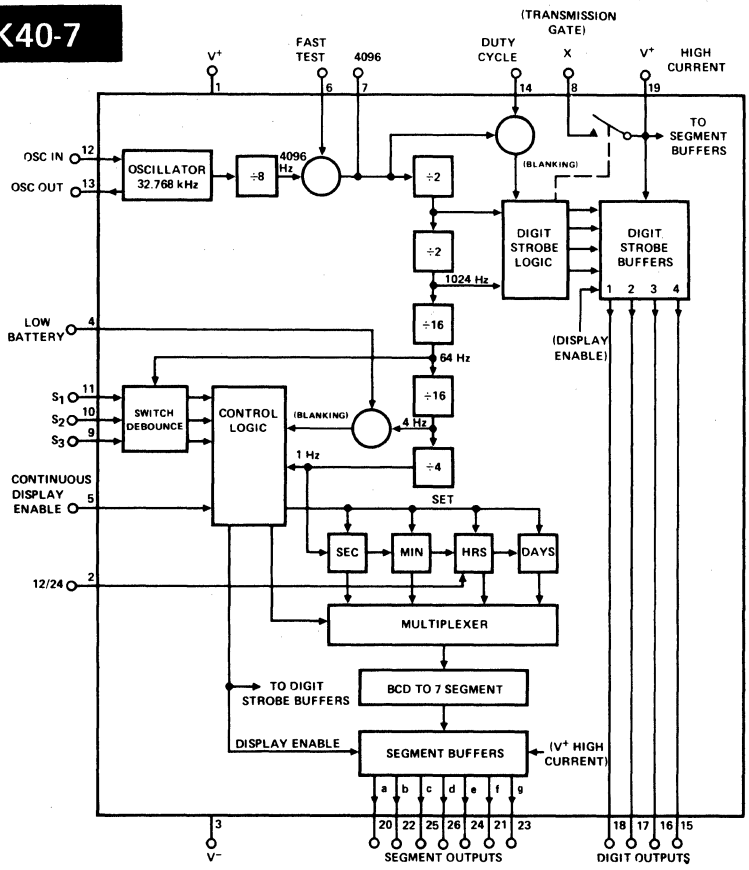

VSS
VDD
MULTIPLEX TIMING INPUT
MULTIPLEX OSCILLATOR
60 Hz INPUT
SHAPING CIRCUIT
PRESCALE COUNTER
1.0 pps
SLOW SET
FAST SET
ALARM OUTPUT
SECONDS COUNTER
1.0 ppm
TIME MINUTES COUNTER
1.0 pph
TIME HOURS COUNTER
TIME SECONDS MINUTES HOURS
ALARM OFF INPUT
ALARM AND DROWSE CIRCUITS
ALARM COMPARATOR
ALARM SET AND DROWSE INPUT
ALARM MINUTES COUNTER
ALARM HOURS COUNTER
ALARM MINUTES HOURS
MULTIPLEXED CODE CONVERTER AND OUTPUT DRIVERS
10's HRS
HRS
10's MINS.
MINS.
10's SECONDS
SECONDS
DIGIT ANODE DRIVE OUTPUTS
a
b
c
d
e
f
g
8th
MULTIPLEXED 7-SEGMENT CATHODE DRIVE OUTPUTS
BRIGHTNESS CONTROL INPUT
PULSEWIDTH MODULATOR CIRCUIT


DIGIT OUTPUTS
1 MINUTE 1
10 MINUTES 2
1 HOUR 3
10 HOURS 4
VDD 5
DISPLAY ALARM AND SNOOZE 6
ALARM OFF 7
ALARM OUTPUT 8
SLOW SET 9
FAST SET 10
60 Hz INPUT 11
VSS 12
24 10 SECONDS
23 1 SECOND
DIGIT OUTPUTS
22 8TH SEGMENT OUTPUT
21 BRIGHTNESS CONTROL
20 MULTIPLEX OSCILLATOR
19 B
18 C
17 A
16 D
15 E
14 F
13 G
SEGMENT OUTPUTS
TOP VIEW

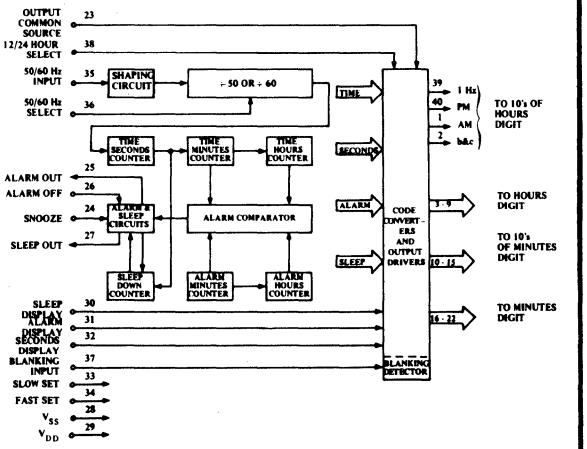
K40-6


S1 S2 S3 MR VDD VSS
OSC IN
OSC OUT
÷256
128 Hz OUTPUT/INPUT
÷2
TO ALL COUNTERS
DISPLAY AND TIME SET CONTROL
TEST
÷64
STROBE TIMING
÷10
UNITS
SECONDS
÷6
TENS
÷10
UNITS
MINUTES
÷6
TENS
÷10
UNITS
HOURS
12/24 HOUR OPTION
RESET
÷3
TENS
RESET
÷10
UNITS
DAYS
RESET
÷4
TENS
COUNTER STROBE
SEGMENT DRIVER
a
b
c
d
e
f
g
TO SEGMENTS OF ALL DIGITS
D1
D2
D3
D4
TO BASE OF NPN DIGIT DRIVER
Input Protection (All Inputs)
VDD
INPUT
TO GATE
VSS

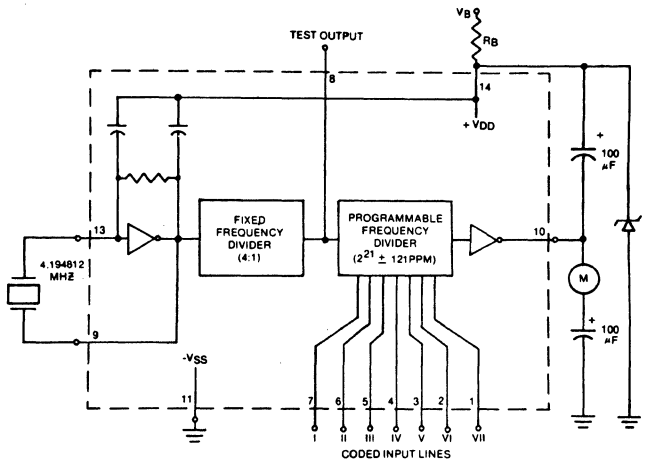
K40-7



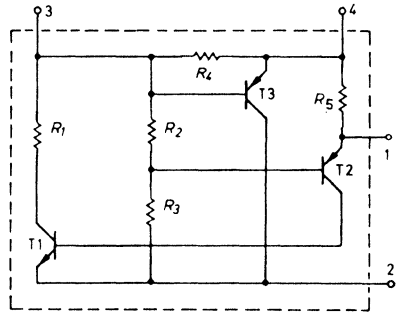
K40-9



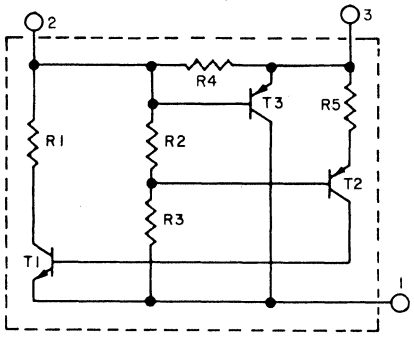
K40-10



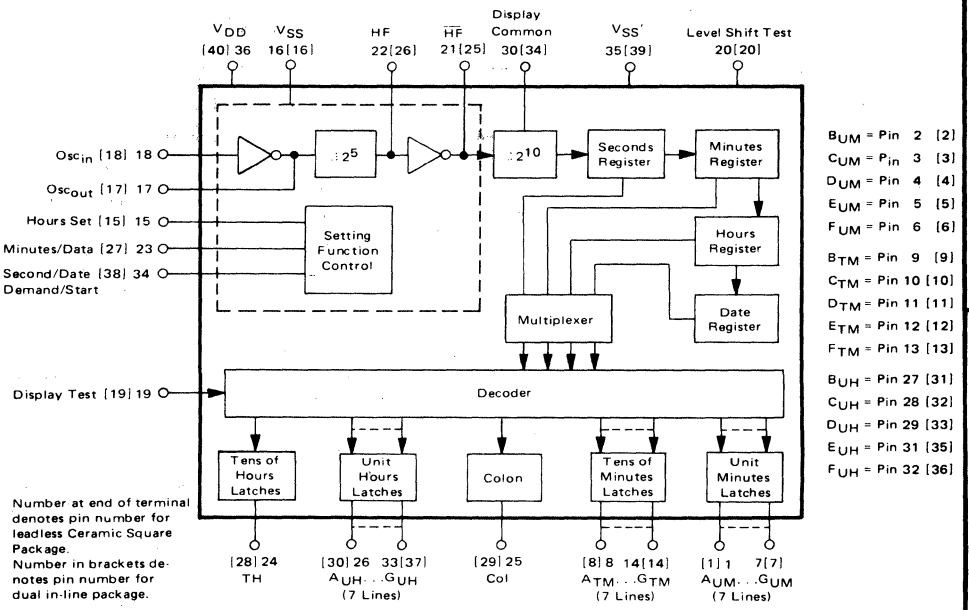
K40-11



K40-12



K40-13

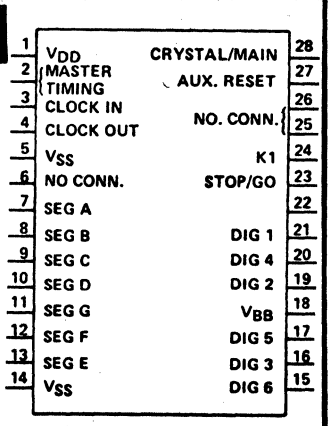


BUM = Pin 2 [2]
CUM = Pin 3 [3]
DUM = Pin 4 [4]
EUM = Pin 5 [5]
FUM = Pin 6 [6]

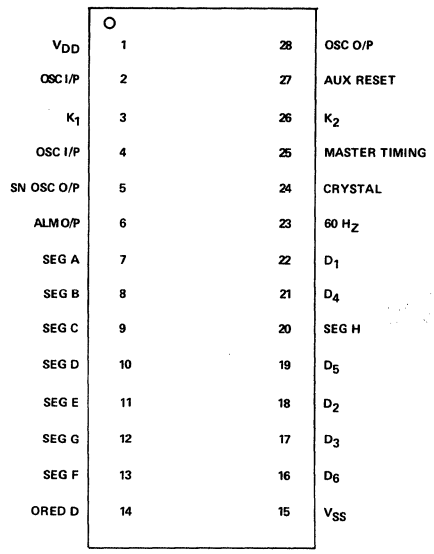
BTM = Pin 9 [9]
CTM = Pin 10 [10]
DTM = Pin 11 [11]
ETM = Pin 12 [12]
FTM = Pin 13 [13]

BUH = Pin 27 [31]
CUH = Pin 28 [32]
DUH = Pin 29 [33]
EUH = Pin 31 [35]
FUH = Pin 32 [36]

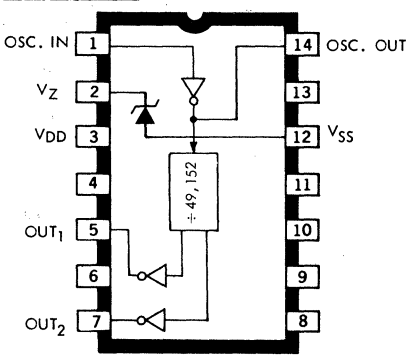
K40-14



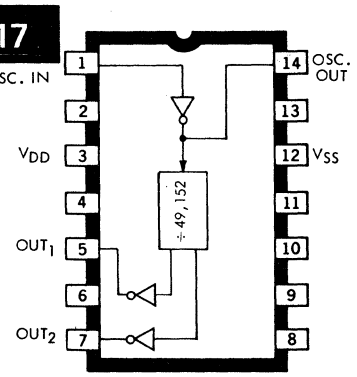
K40-15



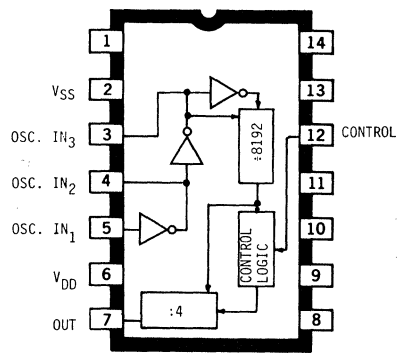
K40-16



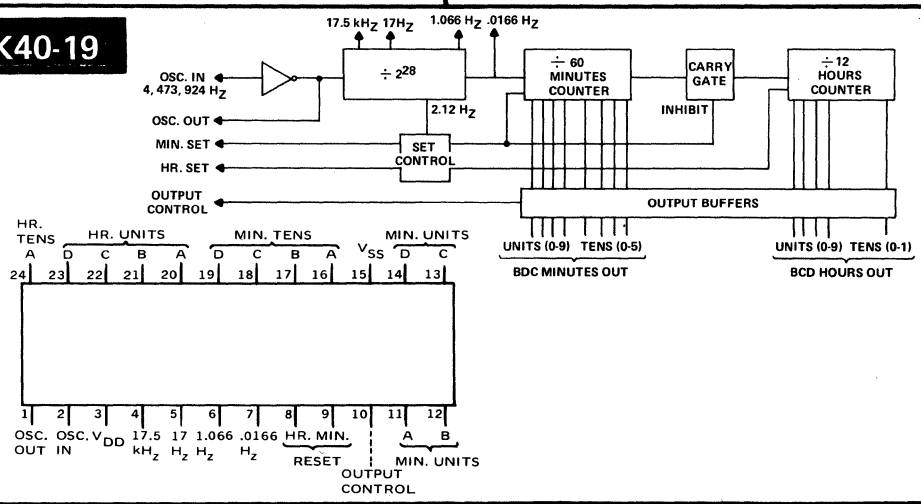
K40-17



K40-18



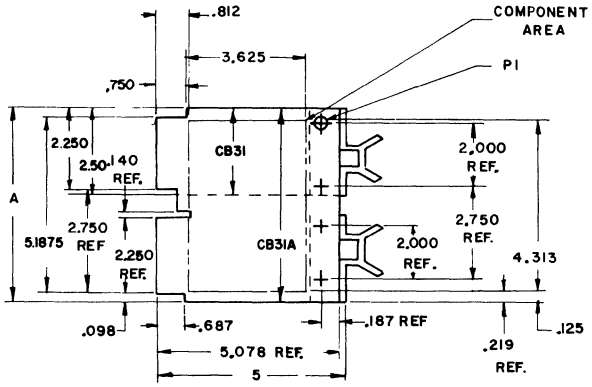
K40-19



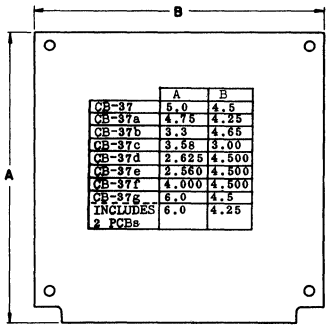
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

CB-31

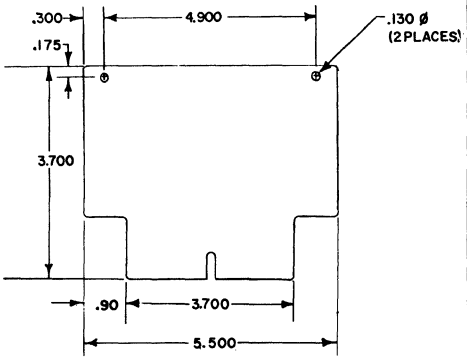


CB-37

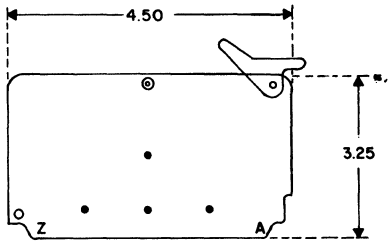


	A	B
CB-37	5.0	4.5
CB-37a	4.75	4.25
CB-37b	3.3	4.65
CB-37c	3.58	3.00
CB-37d	2.625	4.500
CB-37e	2.560	4.500
CB-37f	4.000	4.500
CB-37g INCLUDES 2 PCBs	6.0	4.5
	6.0	4.25

CB-50

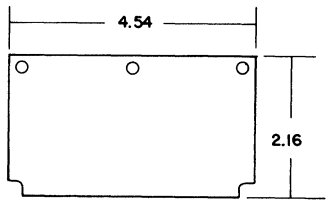


CB-53

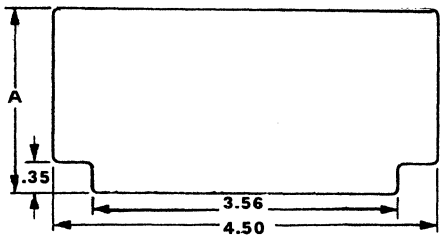


.0625" THICK

CB-55

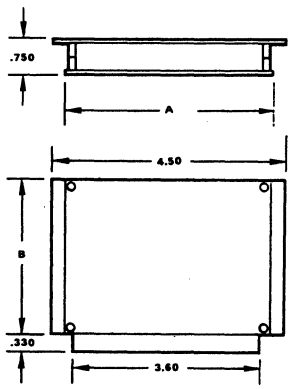


CB-62



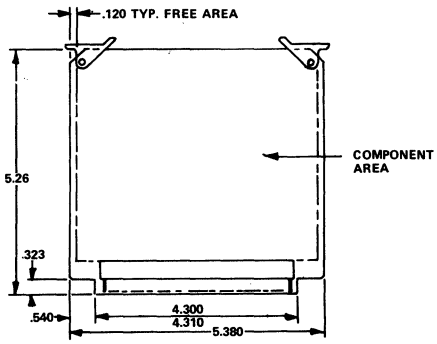
	A
CB62	2.16
CB62a	2.33 MAX

CB-63

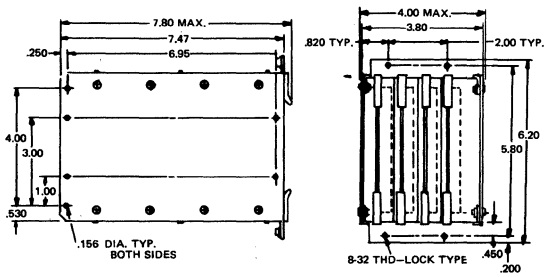


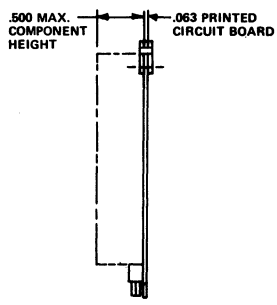
	A	B
CB63	4.00	3.00
CB63a	4.40	1.80

CB64



CB65

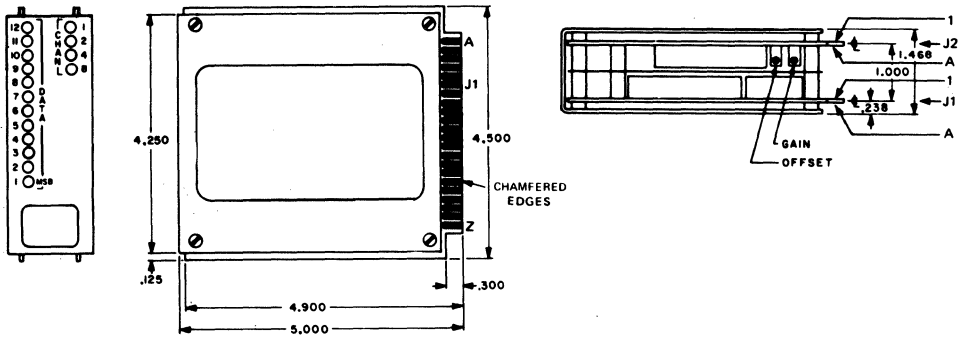




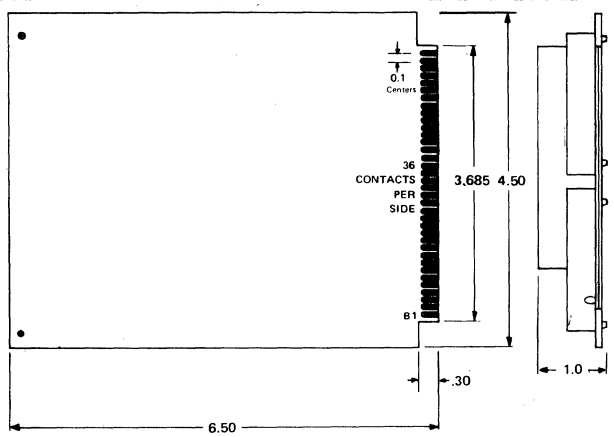
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

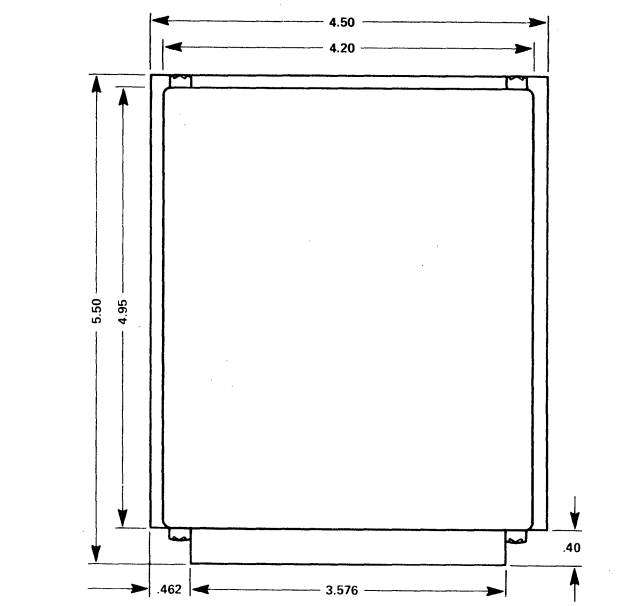
CB66

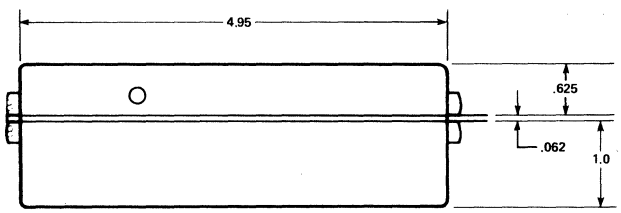


CB67



CB68

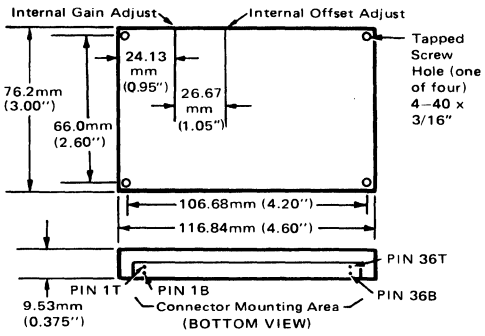




SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

CB69



* INTERNALLY JUMPERED TO 17T (ORDER CB69a OR CB69c WITH JUMPER REMOVED.)

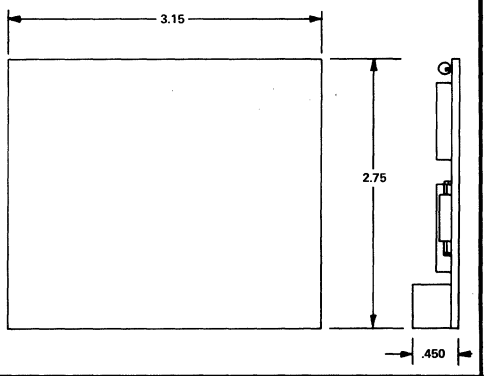
+15V	1T	1B	-15V
ANA. GND.	2T	2B	ANA. GND.
CH 0 IN	3T	3B	CH 8 IN
CH 1 IN	4T	4B	CH 9 IN
CH 2 IN	5T	5B	CH 10 IN
CH 3 IN	6T	6B	CH 11 IN
CH 4 IN	7T	7B	CH 12 IN
CH 5 IN	8T	8B	CH 13 IN
CH 6 IN	9T	9B	CH 14 IN
CH 7 IN	10T	10B	CH 15 IN
MUX OUT	11T	11B	N/C
RANGE SEL	12T	12B	AMP IN LO
S & H OUT	13T	13B	AMP OUT
ADC IN 1	14T	14B	ADC IN 2
+10V REF OUT	15T	15B	CLK OUT
EXT OFFSET ADJ.	16T	16B	GAIN ADJ.
* AMP IN HI	17T	17B	MUX ENB.
SERIAL OUT	18T	18B	COUNT ENB.
MUX ADDRESS LINES: 8 OUT	19T	19B	8 IN (MUX ADDRESS LINES)
MUX ADDRESS LINES: 4 OUT	20T	20B	4 IN (MUX ADDRESS LINES)
MUX ADDRESS LINES: 2 OUT	21T	21B	2 IN (MUX ADDRESS LINES)
MUX ADDRESS LINES: 1 OUT	22T	22B	1 IN (MUX ADDRESS LINES)
DLY OUT	23T	23B	DLY. ADJ.
STROBE 1	24T	24B	LOAD ENB.
STROBE 2	25T	25B	CLR. ENB.
A/D TRIG	26T	26B	CLK. ADJ.
A/D TRIG	27T	27B	EOC
SHT. CYC.	28T	28B	B1 OUT (MSB)
(MSB) B1 OUT	29T	29B	B2 OUT
B3 OUT	30T	30B	B4 OUT
B5 OUT	31T	31B	B6 OUT
B7 OUT	32T	32B	B8 OUT
B9 OUT	33T	33B	B10 OUT
B11 OUT	34T	34B	B12 OUT (LSB)
DIG. GND.	35T	35B	DIG. GND.
+5V	36T	36B	+5V

CB69,a

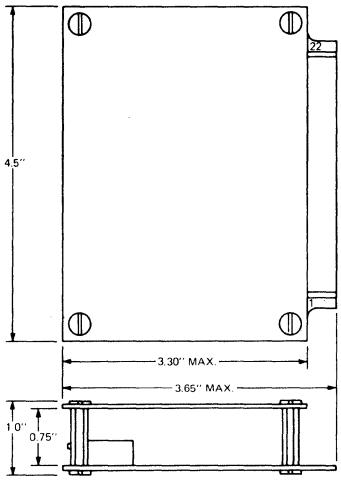
+15V	1T	1B	-15V
ANA. GND.	2T	2B	ANA. GND.
CH 0 IN	3T	3B	CH 0 RTN
CH 1 IN	4T	4B	CH 1 RTN
CH 2 IN	5T	5B	CH 2 RTN
CH 3 IN	6T	6B	CH 3 RTN
CH 4 IN	7T	7B	CH 4 RTN
CH 5 IN	8T	8B	CH 5 RTN
CH 6 IN	9T	9B	CH 6 RTN
CH 7 IN	10T	10B	CH 7 RTN
MUX HI OUT	11T	11B	MUX LO OUT
RANGE SEL	12T	12B	AMP IN LO
S & H OUT	13T	13B	AMP OUT
ADC IN 1	14T	14B	ADC IN 2
+10V REF. OUT	15T	15B	CLK. OUT
EXT. OFFSET ADJ.	16T	16B	GAIN ADJ.
* AMP IN HI	17T	17B	MUX ENB.
SERIAL OUT	18T	18B	COUNT ENB.
MUX ADDRESS LINES: 8 OUT	19T	19B	8 IN (MUX ADDRESS LINES)
MUX ADDRESS LINES: 4 OUT	20T	20B	4 IN (MUX ADDRESS LINES)
MUX ADDRESS LINES: 2 OUT	21T	21B	2 IN (MUX ADDRESS LINES)
MUX ADDRESS LINES: 1 OUT	22T	22B	1 IN (MUX ADDRESS LINES)
DLY OUT	23T	23B	DLY ADJ.
STROBE 1	24T	24B	LOAD ENB.
STROBE 2	25T	25B	CLR. ENB.
A/D TRIG	26T	26B	CLK. ADJ.
A/D TRIG	27T	27B	EOC
SHT. CYC.	28T	28B	B1 OUT (MSB)
(MSB)B1 OUT	29T	29B	B2 OUT
B3 OUT	30T	30B	B4 OUT
B5 OUT	31T	31B	B6 OUT
B7 OUT	32T	32B	B8 OUT
B9 OUT	33T	33B	B10 OUT
B11 OUT	34T	34B	B12 OUT (LSB)
DIG. GND.	35T	35B	DIG. GND.
+5V	36T	36B	+5V

CB60b,c

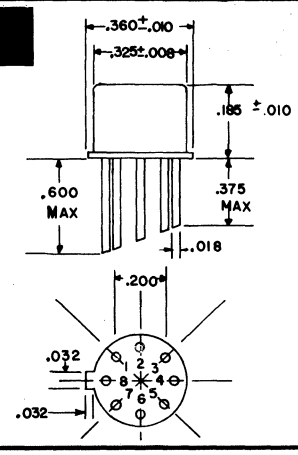
CB70



CB71



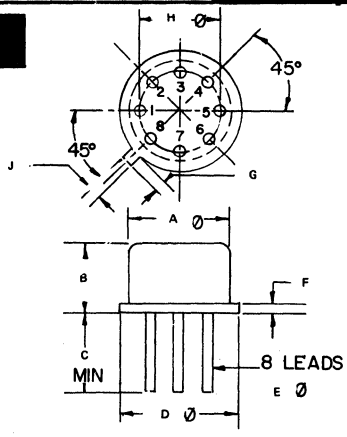
CN-2



SECTION 13. OUTLINE DRAWING

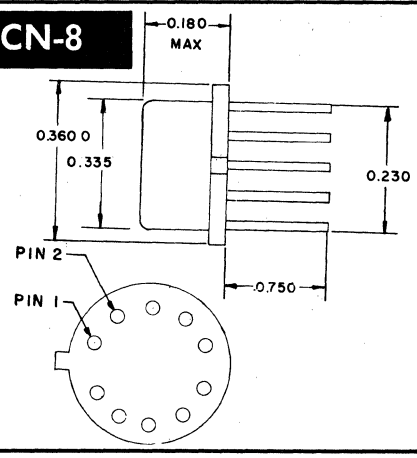
IN DRAWING NUMBER SEQUENCE

CN-6



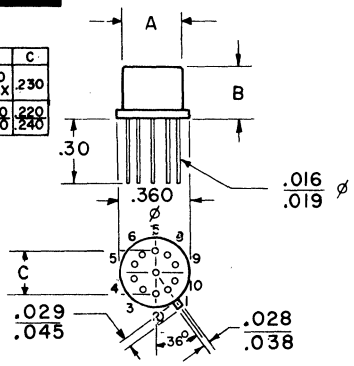
	A	B	C	D	E	F	G	H	J
CN6	.305 .335	.290 .310	1.500 MIN	.335 .370	.016 .019	.013 .016	.029 .045	.228 .232	.028 .034
CN6a	.305 .335	.165 .185	.500 MIN	.340 .370	.016 .019	.010 .080	.029 .042		.028 .034
CN6b	.290 .335	.190 MAX	.500	.290 .370	.016 .019	.009 .125	.029 MIN	.200	.028 .034
CN6c	.305 .335	.165 .185	.500 MIN	.335 .370	.016 .019	.009 .125	.029 .045	.190 .210	.028 .034
CN6d	.305 .335	.240 .259	.500	.335 .370	.016 .018	.009 .125	.029 .044	.200	.027 .033
CN6e	.305 .335	.165 .185	.500 MIN	.335 .370	.016 .019	.009 .025	.029 .045	.220 .240	.028 .034
CN6f	.318 .328	.165 .185	.500 .560	.340 .370	.016 .021	.010 .040	.029 .033	.190 .210	.028 .034

CN-8

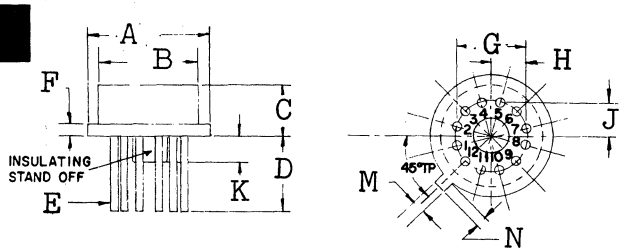


CN-9

	A	B	C
CN9	.335 MAX	.180 MAX	.230
CN9a	.315 .335	.170 .190	.220 .240

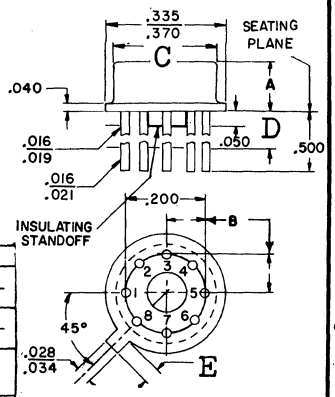


CN-12



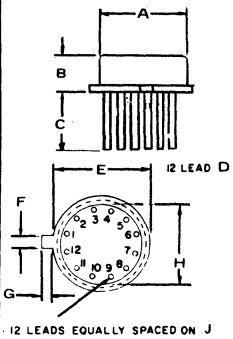
	A	B	C	D	E	F	G	H	J	K	M	N
CN-12	.335 .370	.305 .335	.165 .185	.500 MIN.	.016 .019	.025 TYP	.200 TYP	.100 TYP	.100 TYP	.030 TYP	.028 .034	.029 .034
CN-12a	.335 .370	.305 .335	.165 .185	.470 .530	.016 .019	.040 MAX.	.230 TYP			.050 MAX.	.028 .034	.029 .045

CN-13



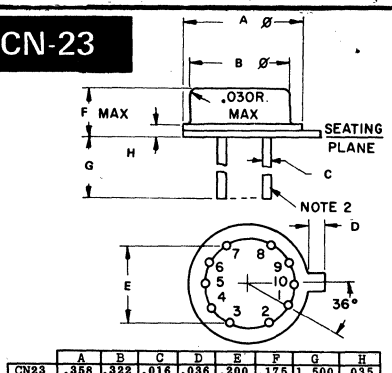
	A	B	C	D	E
CN-13	.165 .185	.100	.305 .335	.250	.029 .045
CN-13a	.140 .160	.100	.305 .335	.250	.029 .045
CN-13b	.185 MAX	.105	.302 MAX		.034 MAX

CN-18



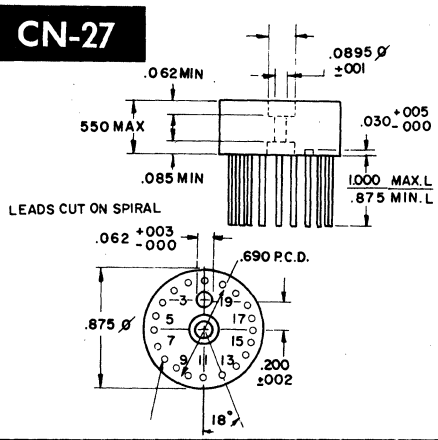
	A	B	C	D	E	F	G	H	J
CN18	.315 .325	.170 .180	.500 MIN	.016 .019	.355 .365	.028 .034	.029 .032	.268 MIN	.190 .210
CN18a	.545 .555	.150 .175	.500 .560	.016 .019	.597 .603	.026 .036	.026 .036		.400
CN18b	.335 MAX	.260 MAX	.492 MIN	.020 MAX	.413 MAX	.035 MAX			.201 MAX

CN-23

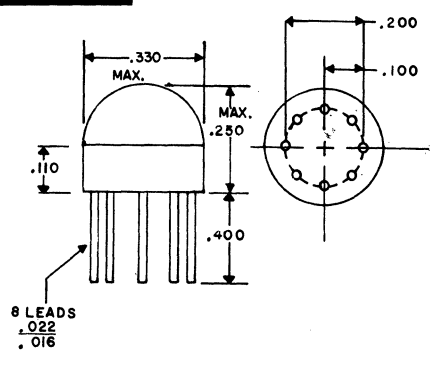


	A	B	C	D	E	F	G	H
CN23	.358 .370	.322 .335	.016 .019	.036 .046	.200	.175 MAX	1.500 1.625	.035
CN23a	.340 .370	.305 .335		.029 .042		.165 .185	.500 1.500	.010 .080
CN23b	.335 .370	.319 .329		.030 .040	.225 .235	.260 .290	.500 MIN	.022 .029

CN-27



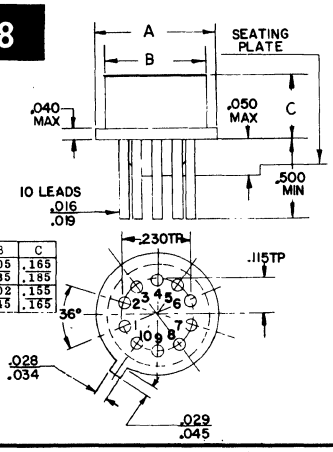
CN-34



SECTION 13. OUTLINE DRAWING

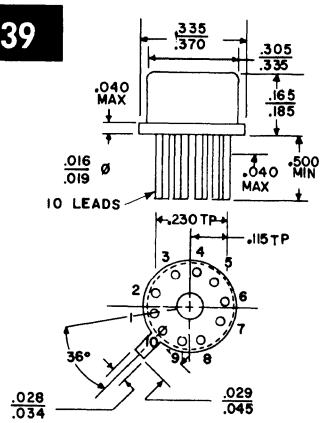
IN DRAWING NUMBER SEQUENCE

CN-38

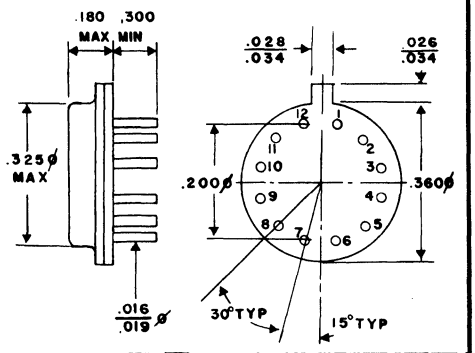


	A	B	C
CN-38	.335 .370	.305 .335	.165 .185
CN-38a	.305 .355	.302 .345	.155 .165

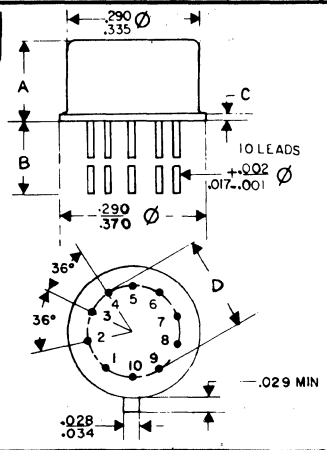
CN-39



CN-42

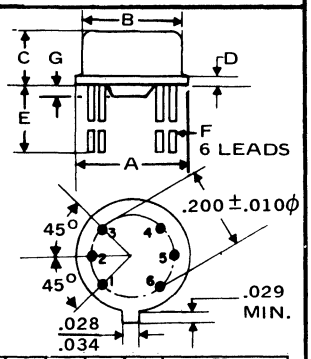


CN-43



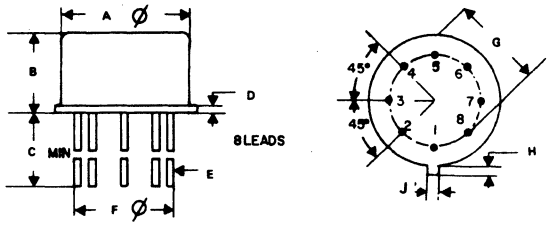
	A	B	C	D
CN-43	.240 .260	1.500 MIN	.009 .125	.190 .210
CN-43a	.160 .180	1.500 MIN	.009 .125	.190 .210
CN-43b	.260 MAX	.500 MIN	.040 MAX	.230

CN-44



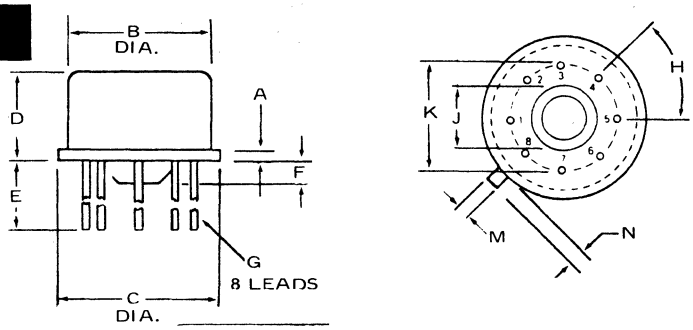
	A	B	C	D	E	F	G	NOTES
CN44	.290 .370	.290 .335	.160 .180	.002 .125	1.50 MIN	.016 .019	NA	
CN44a	.335 .370	.305 .335	.165 .185		.500 MIN	.016 .021	NA	
CN44b	.360	.326 MAX	.255 MAX		.500 MIN	.017 DIA	.018 .040	GLASS STAND OFF

CN-45



	A	B	C	D	E	F	G	H	J
CN45	.290 .370	.160 .180	1.500	.009 .125	.017	.290 .370	.200	.029	.028 .034
CN45a	.305 .335	.165 .185	.500	.009 .125	.016 .019	.335 .370	.190 .210	.029 .045	.028 .034

CN-46

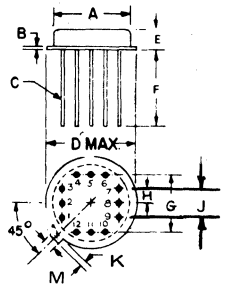


	A	B	C	D	E	F	G	H	J	K	M	N
CN46	.040	.305 .335	.335 .370	.165 .185	.500 MIN	.050 MAX	.016 .019	45°		.200	.028 .034	.029 .045
CN46a	.004 .125	.305 .335	.335 .370	.165 .185	.500 MIN	.050 MAX	.016 .019	45°		.200	.028 .034	.029 .045
CN46b	.020 .030	.315 .325	.355 .370	.165 .185	.500 .562	.015 .045	.016 .019	45°	.120 .160	.190 .210	.028 .034	.029 .040

SECTION 13. OUTLINE DRAWING

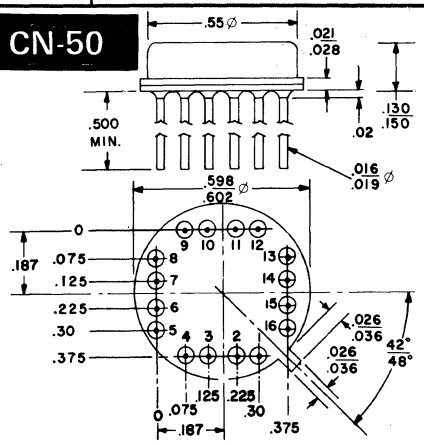
IN DRAWING NUMBER SEQUENCE

CN-48

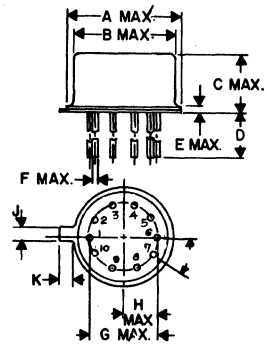


	A	B	C	D	E	F	G	H	J	K	M
CN48	.500	.023	.020	.602	.140	.500 TYP	.400	.100		.026 .036	.026 .036
CN48a	.550	.030 MAX	.019	.602	.140	.500 TYP	.400	.100		.026 .036	.026 .036
CN48b	.425	.030	.019	.502	.140	.500 TYP	.400	.100		.026 .036	.026 .036
CN48c	.444 .524	.115 MAX	.027 .033	.650	.270 .330	.360 .440	.400	.100		.026 .036	.026 .036
CN48d	.550		.017	.600	.170	.500	.400	.100		.026 .036	.026 .036
CN48e	.450		.016 .019	.495 .505	.125 .150	.360 .440	.300 TYP	.075		.026 .036	.026 .036
CN48f	.550		.017	.597 .603	.190 MAX	.500 MIN	.400 TYP	.100 TYP		.026 .036	.026 .036
CN48g	.470 MAX	.030 MAX	.016 .019	.498 .502	.130 .150	.500 MIN		.075	.150	.026 .036	.026 .036
CN48h	.423 .427	.030 MAX	.016 .019	.498 .502	.130 .150	.500 MIN		.075	.150	.026 .036	.026 .036
CN48j	.444 .460	.030 MAX	.016 .021	.497 .507	.130 .150	.500 MIN	.300	.075		.026 .036	.026 .036
CN48k	.540 .570	.030 MAX	.016 .021	.597 .603	.130 .150	.500 MIN	.400	.100		.026 .036	.026 .036
CN48m	.550		.017	.598 .602	.125 .150	.500 MIN	.400	.100	.200	.026 .036	.026 .036
CN48n	.460 MAX		.017	.495 .505	.175 .185	.500 MIN	.300	.100	.200	.026 .036	.026 .036
CN48p	.535 .565	.026 MAX	.017 .019	.585 .615	.175 MAX	.500 MIN	.400	.100	.200	.020 .040	.020 .040
CN48q	.550		.017	.597 .607	.170 MAX	.500 MIN	.400	.100		.031	.031
CN48r	.450	.015	.018	.500	.255	.935	.300	.075	.150	.031	.031
CN48s	.500 .560	.040 MAX	.016 .019	.565 .635	.240 .260	.500 MIN	.400 T.P.	.200 T.P.	.200	.026 .036	.026 .036
CN48t	.545 .555	.022 .030	.016 .019	.597 .603	.150 .175	.500 .560	.400	.100	.200	.026 .036	.026 .036
CN48u	.444 .460	.022 .030	.016 .019	.497 .503	.130 .150	.500 .560		.075	.150	.026 .036	.026 .036

CN-50

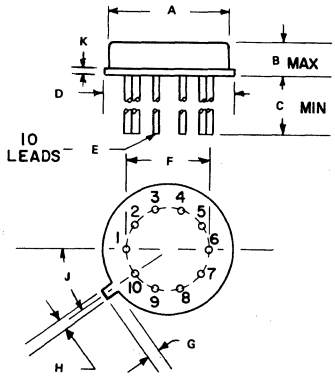


CN-54



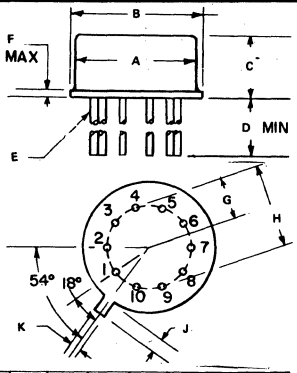
	A	B	C	D	E	F	G	H	J	K
CN 54 A	.370	.335	.180	.75		.019	.230		.034	.034

CN-57



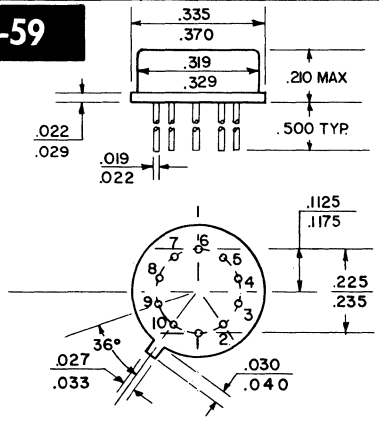
	A	B	C	D	E	F	G	H	J	K
CN57	.305 .335	.180	.500	.335 .370	.016 .019	.215 .245	.024 .045	.028 .034	36°	
CN57a	.305 .335	.165 .259	.500 MIN	.335 .370	.016 .018	.220	.029 .045	.028 .034	45°	.009 .125
CN57b	.305 .335	.240 .259	.500 MIN	.335 .370	.016 .018	.230	.029 .044	.027 .033	36°	.009 .125

CN-58

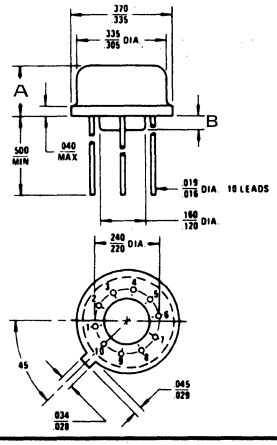


	A	B	C	D	E	F	G	H	J	K
CN58	.305 .333	.335 .370	.160 .180	.500 MIN	.016 .019	.040 MAX	.100	.200	.029 .045	.028 .034
CN58a	.305 .335	.340 .370	.165 .185	.500 MIN	.016 .019	.010 .080			.029 .042	.028 .034

CN-59



CN-63

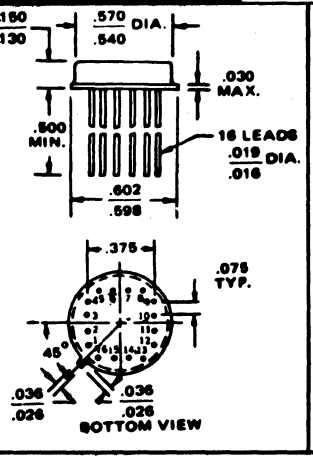


	A	B
CN63	.165 .185	.010 .040
CN63a	.240 .260	.050 MAX

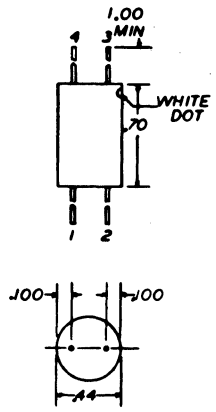
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

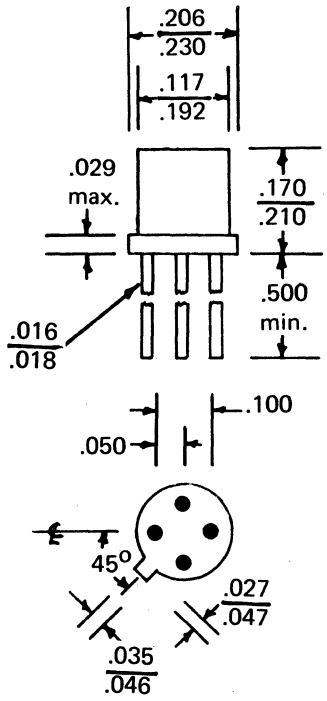
CN-66



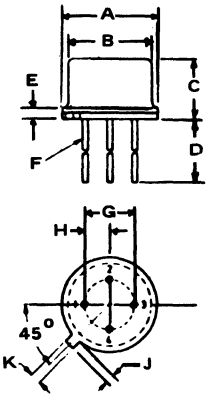
CN-67



CN-70

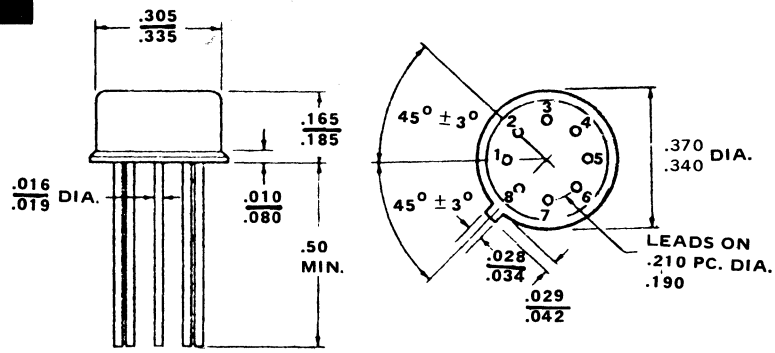


CN-71

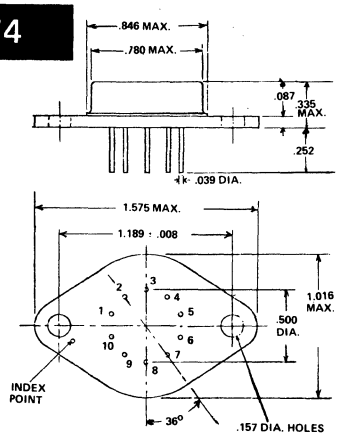


	A	B	C	D	E	F	G	H	J	K
CN71	.335 .370	.303 .334	.240 .259	.500 MIN	.009 .125	.016 .018	.200	.100	.029 .044	.027 .033
CN71a	.340 .370	.318 .328	.165 .185	.500 .560	.010 .040	.016 .021	.190 .210		.029 .033	.028 .034
CN71b	.209 .230	.178 .195	.170 .210	.500 MIN	.030	.016 .019	.100	.050	.028 .048	.036 .046
CN71c	.228 MAX	.188 MAX	.208 MAX	.500 MIN		.018 MAX	.100		.046 MAX	.045 MAX

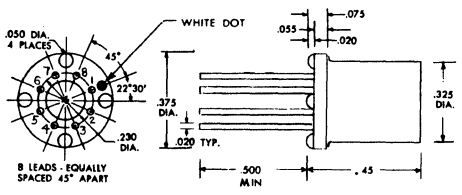
CN-73



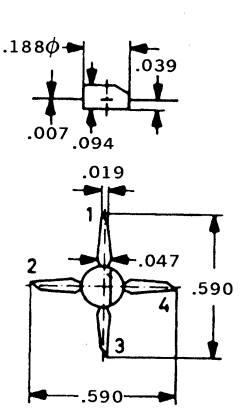
CN-74



CN76



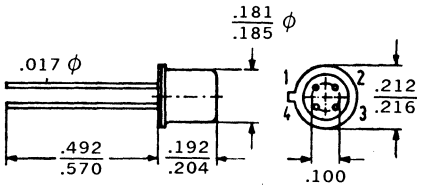
CN79



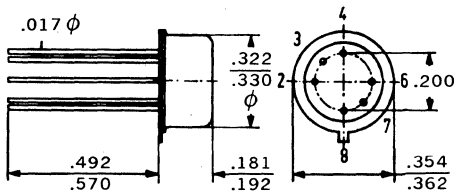
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

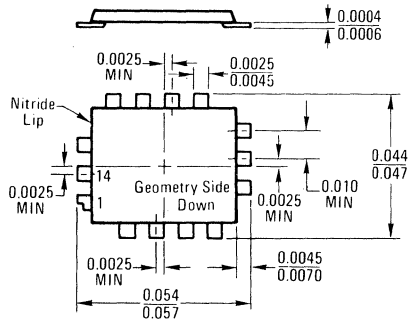
CN80



CN81

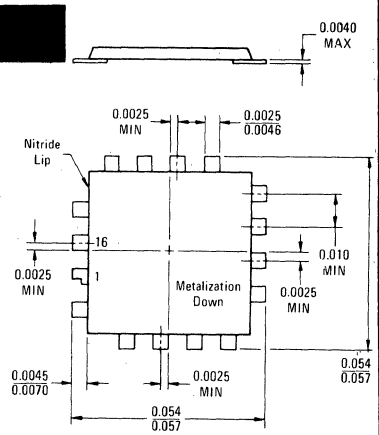


FC-1

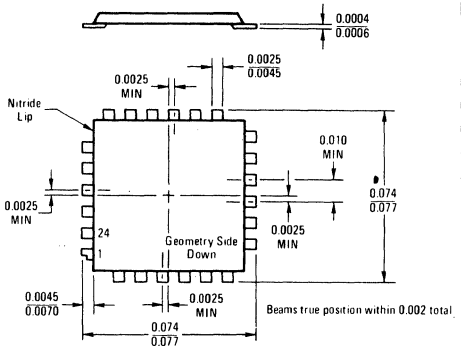


Beams true position within 0.002 total

FC-2

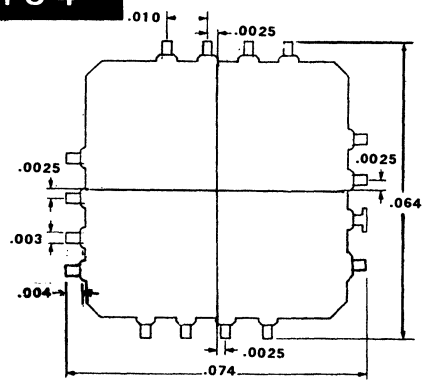


FC-3



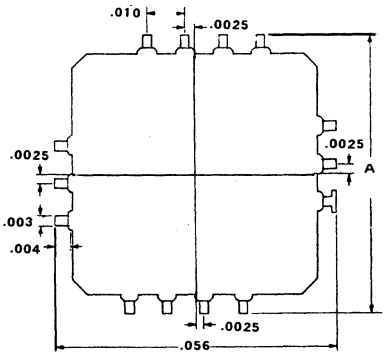
Beams true position within 0.002 total

FC-4

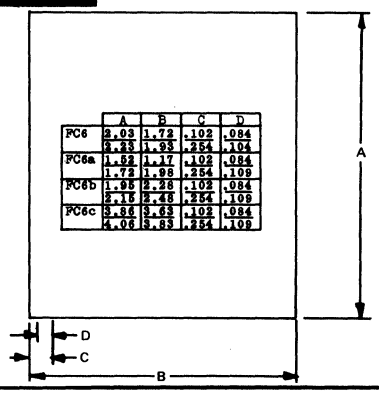


FC-5

	A
FC5	.056
FC5a	.048



FC6

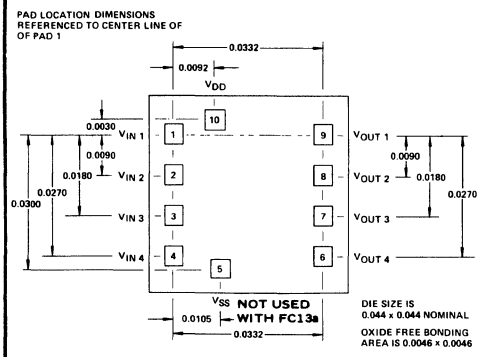


	A	B	C	D
FC6	2.03	1.72	.102	.084
	2.33	1.93	.254	.104
FC6a	1.52	1.17	.102	.084
	1.72	1.98	.254	.109
FC6b	1.95	2.28	.102	.084
	2.15	2.48	.254	.109
FC6c	3.86	3.63	.102	.084
	4.06	3.83	.254	.109

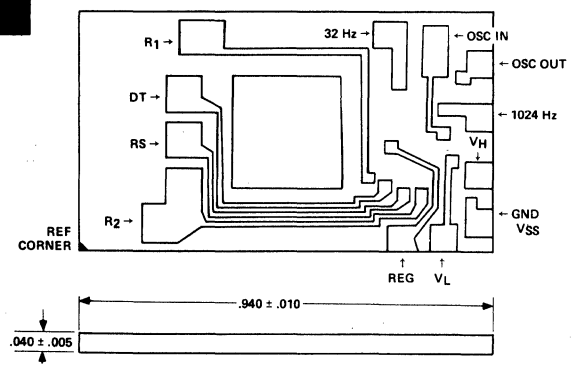
SECTION 13. OUTLINE DRAWING

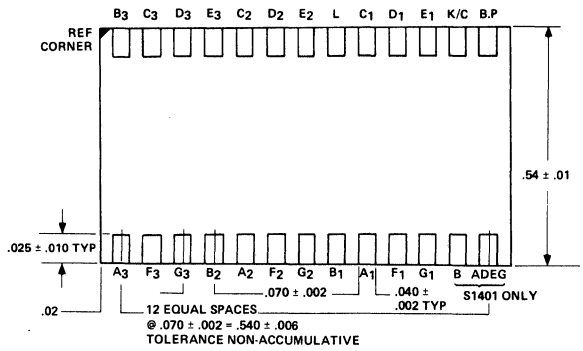
IN DRAWING NUMBER SEQUENCE

FC13

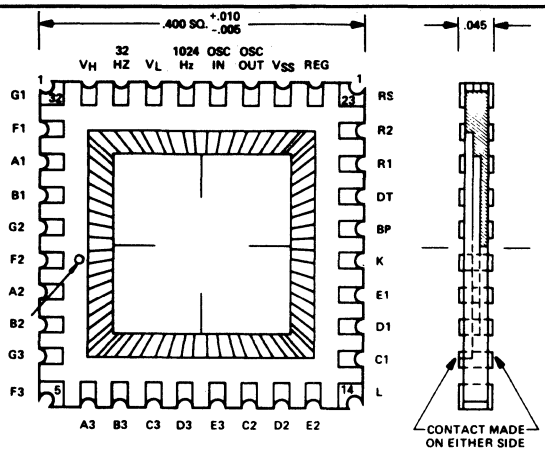


FC15

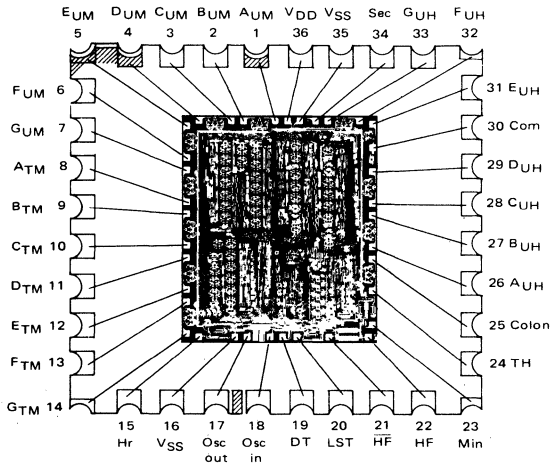


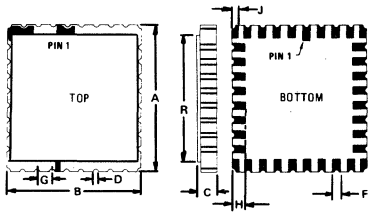


FC16



FC17





DIM	MILLIMETERS MIN	MILLIMETERS MAX	INCHES MIN	INCHES MAX
A	10.29	10.67	0.405	0.420
B	9.27	9.65	0.365	0.380
C	1.02	1.65	0.040	0.065
D	0.10	0.61	0.004	0.024
F	0.38	0.63	0.015	0.025
G	1.02 BSC		0.040 BSC	
H	0.76	1.14	0.030	0.045
J	0.25	0.51	0.010	0.020
R	8.76	9.02	0.345	0.355

NOTE:
1. SLOTS, TRUE POSITIONED WITHIN 0.25 mm (0.010) TOTAL TO DIM. A and B AT MAXIMUM MATERIAL CONDITION.

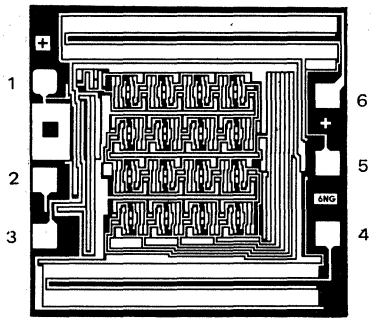
Die Size: 151 x 174 mils

Due to die cleavage angles, the actual size of the chip could be up to 7.0 mils (0.17 mm) larger than indicated in both dimensions.

SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

FC18

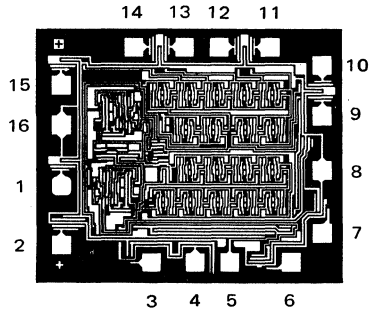


Chip geometry subject to change without notice as modifications are made.

Due to die cleavage angles, the actual size of the chip could be up to 7.0 mils (0.17 mm) larger than indicated in both dimensions.

Die Size: 64 x 68 mils

FC19

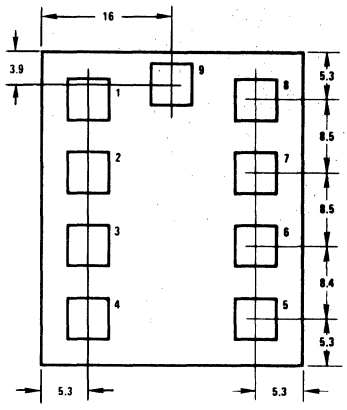


Chip geometry subject to change without notice as modifications are made.

Due to die cleavage angles, the actual size of the chip could be up to 7.0 mils (0.17 mm) larger than indicated in both dimensions.

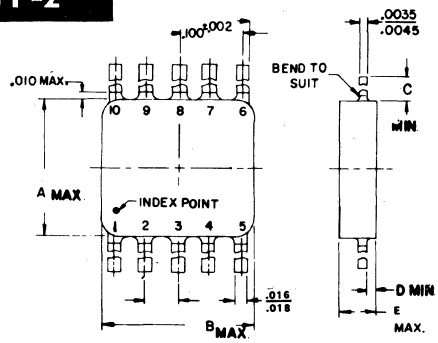
Die Size: 67 x 69 mils

FC20



Note 1: All dimensions in millinches.
Note 2: Die size 33 mils x 36 mils.
Note 3: Pads 4.0 mils square clear area.

FP-2

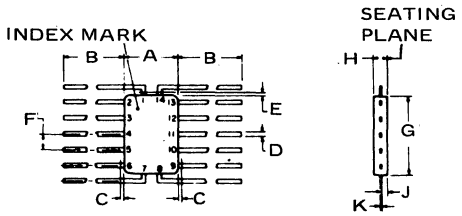


	A	B	C	D	E
FP2	.250	.250	.210	.010	
FP2a	.260		.210	.010	
FP2b	.260	.260	.250	.024	
FP2c	.250	.250			.070
FP2d	.250	.250		.015	.050
FP2e	.275	.260	.237	.020 .040	.080

SECTION 13. OUTLINE DRAWING

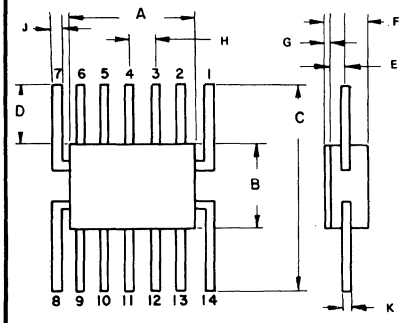
IN DRAWING NUMBER SEQUENCE

FP-18



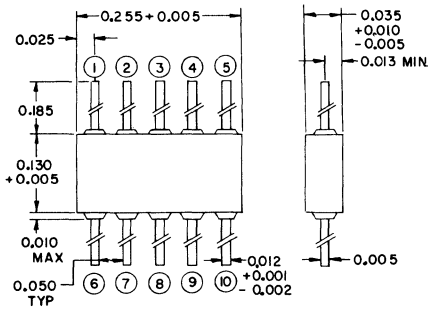
	A	B	C	D	E	F	G	H	J	K
FP18	.160 .195	.300 MIN	.015	.010 .019	.015	.050	.240 .275	.040 .070	.015 .030	.003 .006
FP18a	.200 .300	.150 .350		.015 .019		.050		.008 .100	.005 .050	.002 .006

FP-21

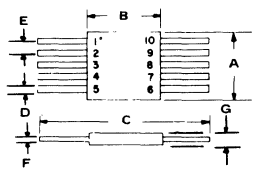


	A	B	C	D	E	F	G	H	J	K
FP-21	.250	.250	.774 MAX	.262	.025	.060	.010	.050	.013 .019	.004
FP-21b	.240 .270	.165 .195	.865 .895			.065 MAX			.014 .017	.003 .006
FP-21c	.250	.175			.020	.060	.010			.004
FP-21d	.255	.255	.795	.270	.023	.047		.050		.006
FP-21e	.257 REF	.165 MAX	.500 TYP			.055 MAX		.050 TYP		.005 .003
FP-21f	.260 MAX	.260 MAX	1.00	.250 MIN		.070 MAX		.050	.015 .019	.004 .006
FP-21g	.240 .270	.165 .195	.865 .895			.065 MAX		.045 .055	.014 .017	.0035 .0055
FP-21h	.240 .270	.240 .270		.250 .370	.020 .030	.050 .070		.045 .055	.015 .019	.004 .006
FP-21j	.260	.260 MAX		.187		.050		.050		

FP-22

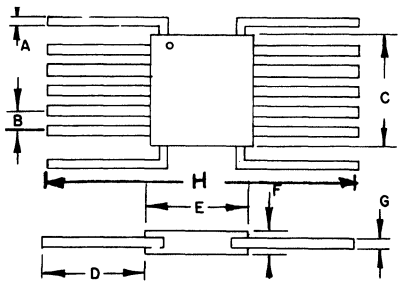


FP-26



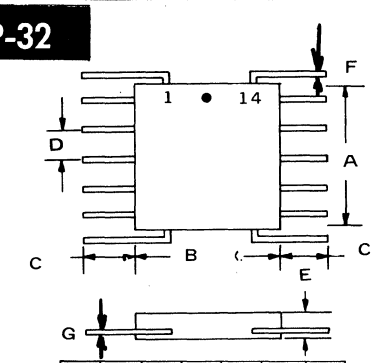
	A	B	C	D	E	F	G
FP26	.245 .255	.240 .265	.740 .760				
FP26a	.230 MAX	.240 .265	.740 .760				
FP26b	.260 MAX	.260 MAX	.780 MAX				
FP26c	.255 .275	.365 .385	.552 .634				
FP26d	.245 .255	.240 .260	.760 .780	.014 .019	.045 .055	.0035 .0055	.065 MAX
FP26e	.275 MAX	.250 REF	.750 TYP				.060 MAX
FP26f	.240 .270	.240 .270		.015 .019	.045 .055		.040 .070
FP26g	.265	.265		.005 .016	.030	.001 .005	.070 MAX
FP26h	.240 .270	.120 .260	.490 1.000	.010 .015	.050 T.P.	.003 .006	.030 .090

FP-28



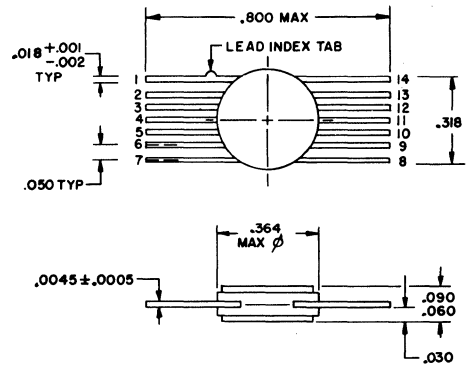
	A	B	C	D	E	F	G	H
FP28		.050	.260	.188	.260	.050		
FP28b	.019	.050	.260	.370	.260	.080	.006	
FP28c	.015 .020	.050	.240 .260	.280 .370	.240 .260	.050 .065	.003 .006	
FP28e	.472		.250 REF		.125 REF	.055 MAX	.157	.500 TYP
FP28f	.014 .019	.045 .055	.240 .260		.240 .260	.065 MAX	.003 .005	.950 MAX
FP28g	.015 .019	.047 .055	.240 .259	.248 MIN	.240 .259	.051 .059	.003 .005	

FP-32

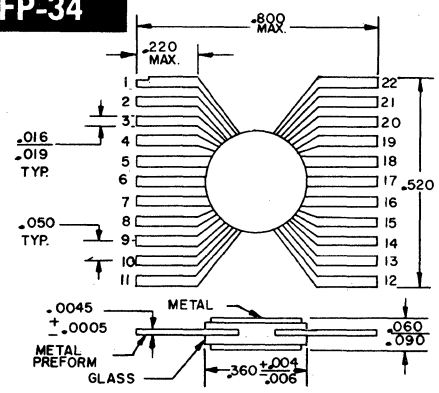


	A	B	C	D	E	F	G
FP32	.265	.265 MAX	.187	.050	.050		
FP32a	.240 .260	.240 .260	.005 .045	.005 .045	.067 .090	.015 .019	.003 .006

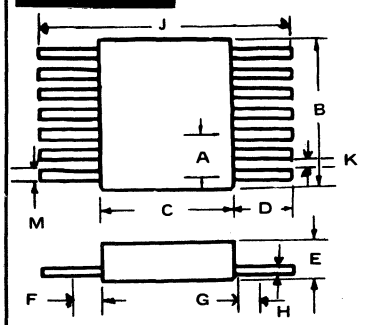
FP-33



FP-34



FP-39

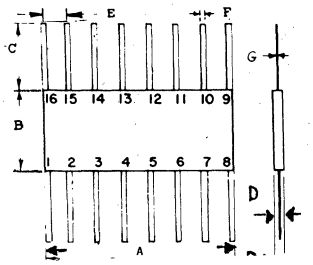


	A	B	C	D	E	F	G	H	J	K	M
FP39	.100	.500 MAX	.500 MAX	.250 MIN	.150 MAX						
FP39a	.100	.205 MAX	.375 MAX	.250 MIN							
FP39b		.330 .350	.240 .260	.230 .250	.051 .065	.030	.020	.004 .006	.730 .750	.045 .055	.012 .038
FP39c		.360 .410	.240 .275	.200	.030 .070			.003 .006			.016 .019
FP39d		.360 .410	.240 .275	.070 MIN	.030 .070	.015 MAX	.015 MAX	.003 .006			.010 .019
FP39e		.330 .350	.240 .260	.295 .315	.050 .080	.030	.030	.004 .006	.840 .860		.010 .028
FP39f		.375	.375	.500	.120 MAX			.010	1.375		.016
FP39g		.480 .520	.480 .520	.500	.125 MAX			.008 .012	1.480 MAX		.013 .018
FP39h		.330 .350	.240 .260	.250 .370	.049 .070	.030 TYP	.020 TYP	.003 .006	.735 MIN	.045 .055	.010 .019

SECTION 13. OUTLINE DRAWING

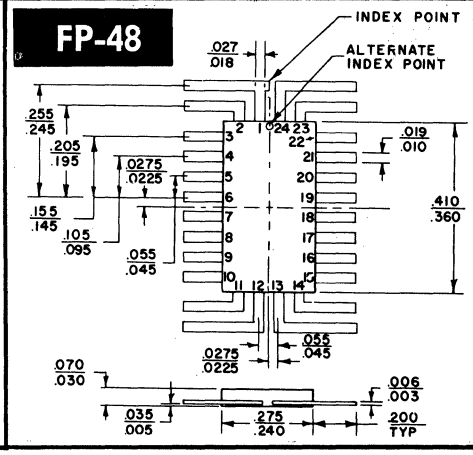
IN DRAWING NUMBER SEQUENCE

FP-47

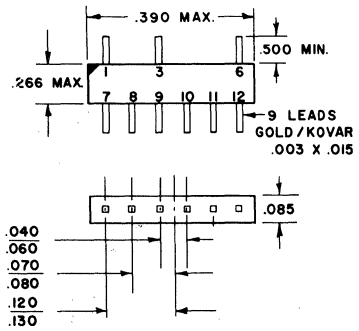


	A	B	C	D	E	F	G
FP47	.360	.275	.070 MIN	.070	.050		
FP47a	.400	.270	.370	.065	.050	.019	.006
FP47b	.371	.247	.250	.065	.050	.015	.004
	.409	.283	.350	.090		.019	.006
FP47c	.940	.245	.330	.040	.040	.015	.003
	.960	.275	.370	.070	.060	.019	.004
FP47d	.413 MAX	.275 MAX	.066 MAX	.070	.050		
FP47e	.370	.285	.290	.049	.045	.015	.003
	.410	MAX	MIN	.080	.055	.020	.006
FP47f	.370	.245	.330	.040	.040	.015	.003
	.395	.275	.370	.070	.060	.019	.004
FP47g	.370	.245	.330	.050	.045	.015	.004
	.395	.275	.370	.080	.055	.019	.006

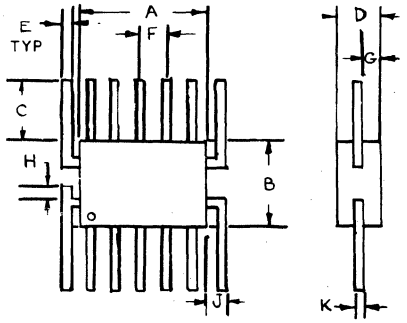
FP-48



FP-49

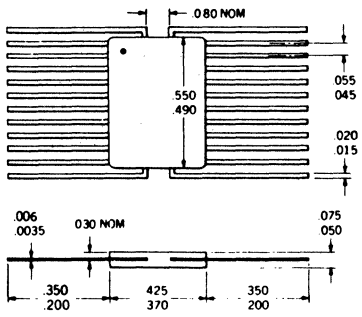


FP-52

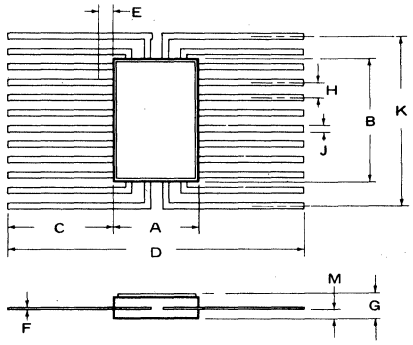


	A	B	C	D	E	F	G	H	J	K
FP52	.240 .260	.240 .260	.370 MAX	.050 .065	.016 .022	.045 .055	.022 .032	.010 .014	.028 .038	.004 .006
FP52a	.255 MAX	.255 MAX	.270	.047 MAX	.015 .019	.045 .055	.023 MAX			.006 MAX
FP52b	.265 MAX	.265 MAX		.060 MAX	.016 .019					.004 .006
FP52c	.240 .270	.240 .275	.225 MIN	.040 .070	.010 .019	.050	.018 .030	.015 MAX		.003 .006
FP52d	.240 .260	.240 .260	.250 .370	.030 .070	.010 .019	.050	.010 .035	.010 .015		.003 .006
FP52e	.250 .260	.140 .150	.280 .300 REF	.035 .050	.015 .019	.050 TP	.008 .018			.003 .005
FP52f	.250 .260	.140 .150	.165 .175 REF	.035 .050	.010 .013	.050 TP	.008 .018			.003 .005
FP52g	.241 .260	.241 .260	.240 .260	.070 MAX	.010 .015	.050	.001 .003			.004 .006
FP52h	.240 .275	.240 .275	.250 MIN	.030 .080	.010 .019	.050 BSC	.005 .035	.015 MAX	.010 MIN	.003 .006

FP-56

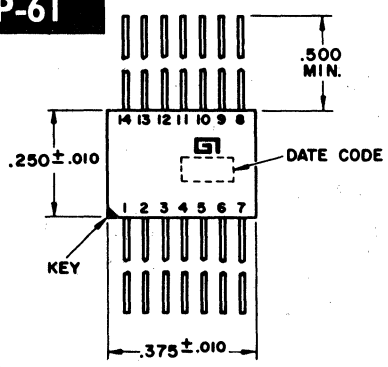


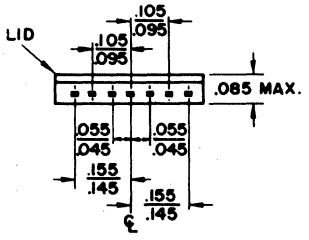
FP-59



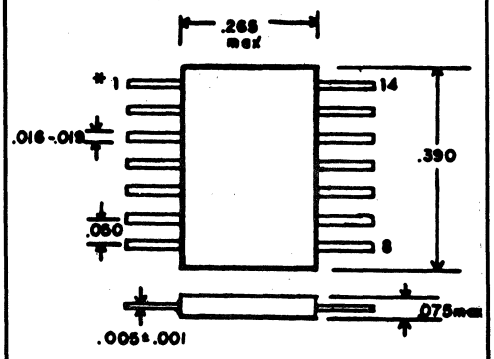
	A	B	C	D	E	F	G	H	J	K	M
FP59	.250	.375	.495			.0035 .0045	.054 .064	.050	.017		
FP59a	.270 MAX	.390 MAX		.900 .980		.0035 .0045	.054 .064	.050	.017		
FP59b	.245 .275	.370 .395	.330 .370	.940 .960	.020	.004 .006	.050 .060	.040 .060	.015 .019	.540 .560	.020 .031

FP-61





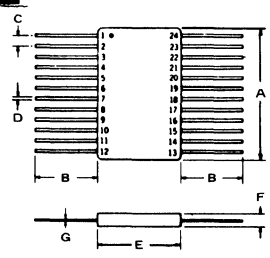
FP-62



SECTION 13. OUTLINE DRAWING

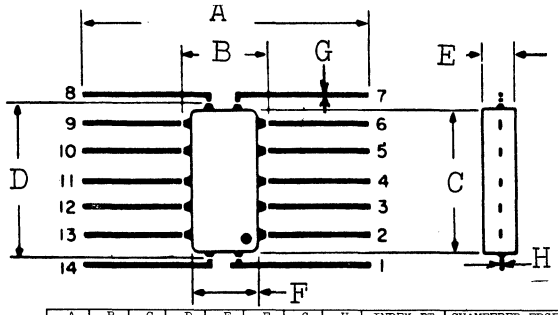
IN DRAWING NUMBER SEQUENCE

FP-66



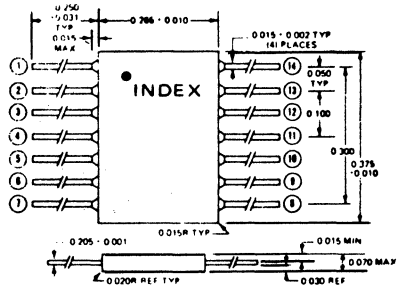
	A	B	C	D	E	F	G
FP66	.590 .640	.250 .350	.050	.015 .019	.370 .420	.050 .075	.004 .006
FP66a	.620 MAX	.250 .350	.050	.015 .019	.365 .395	.065 .090	.004 .006

FP-69

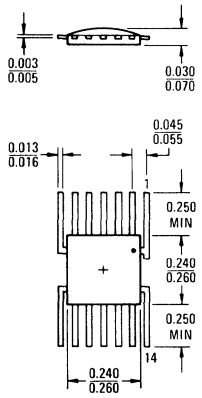


	A	B	C	D	E	F	G	H	INDEX PT.	CHAMFERED EDGES
FP69	.500	.155 MAX	.250	.290 MAX	.055 MAX	.125			YES	YES
FP69a	.720 MIN		.250		.050	.250	.010 .019	.004	NO	YES
FP69b	.740 MIN		.240 .275	.280 .300	.030 .070	.240 .260	.010 .019	.003 .006	YES	NO
FP69c	.750 MIN		.240 .270		.030 .070	.240 .280	.010 .019	.003 .006	YES	

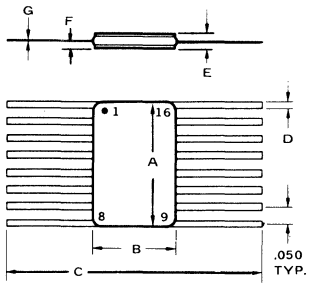
FP-70



FP-77

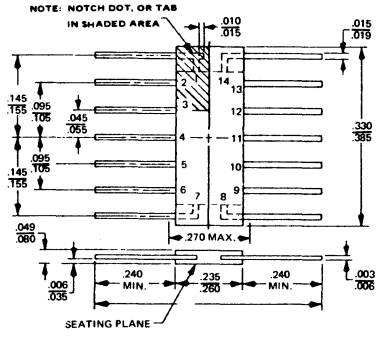


FP79

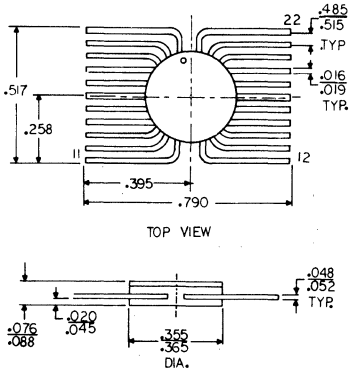


	A	B	C	D	E	F	G
FP79	.365 .368	.248 .275	.930 .980	.018 .021	.047 .067		.003 .005
FP79a	.370 .395	.245 .275	.940 .960	.015 .019	.040 .070	.011 .039	.003 .005
FP79b	.380 .410	.250 .280	.900 .980	.014 .019	.030 .070	.010 .035	.003 .006

FP-80



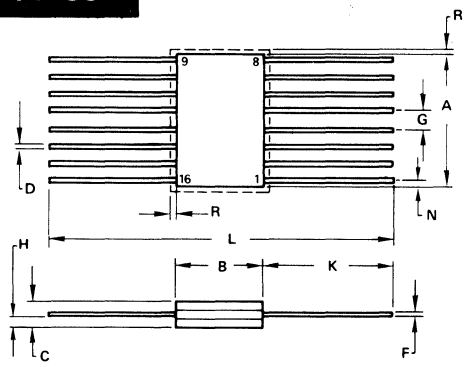
FP-81



SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

FP-85

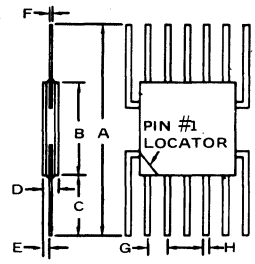


DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	9.40	10.16	0.370	0.400
B	6.22	6.60	0.245	0.260
C	1.52	2.03	0.060	0.080
D	0.38	0.48	0.015	0.019
F	0.08	0.15	0.003	0.006
G	1.27 BSC		0.050 BSC	
H	0.64	0.89	0.025	0.035
K	6.35	9.40	0.250	0.370
L	18.92	–	0.745	–
N	–	0.51	–	0.020
R	–	0.38	–	0.015

NOTES.
1. LEAD NO. 1 IDENTIFIED BY TAB ON LEAD OR DOT ON COVER.
2. LEADS WITHIN 0.13 mm (0.005) TOTAL OF TRUE POSITION AT MAXIMUM MATERIAL CONDITION.

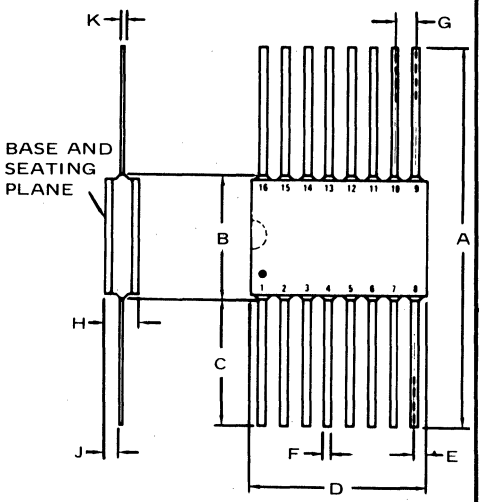
FP-87

DOTTED SECTION FOR FP87a ONLY.



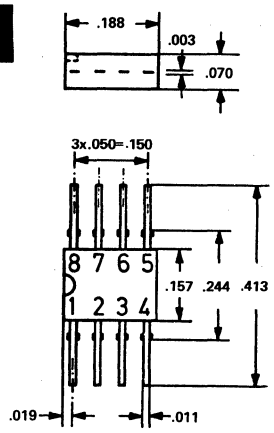
	A	B	C	D	E	F	G	H
FP87	.750	.260 MAX	.250 MIN	.070 MAX	.025	.004 .006	.050	.015 .019
FP87a	.750 .770	.275 MAX		.080 MAX	.020 .040	.004 .006	.045 .055	.015 .019

FP-88

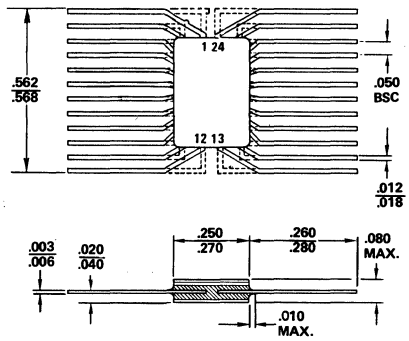


	A	B	C	D	E	F	G	H	J	K	REMARKS
FP88	.940 .960	.247 .275	.350 .370	.371 .400	.010 .025	.015 .019	.050	.050 .080	.020 .040	.003 .006	NO NOTCH
FP88a	.940 .960	.300 MAX		.371 .400	.010 .025	.015 .019	.045 .055	.050 .080	.020 .040	.004 .006	NOTCH
FP88b	.880 .900	.275 MAX		.375 .400	.007 .018	.015 .019	.045 .055	.080 MAX	.020 .040	.004 .006	NO NOTCH

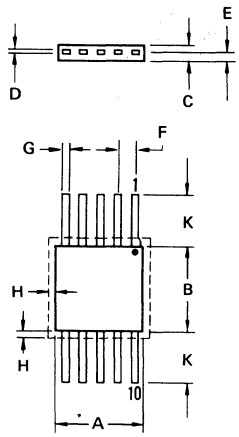
FP89



FP91

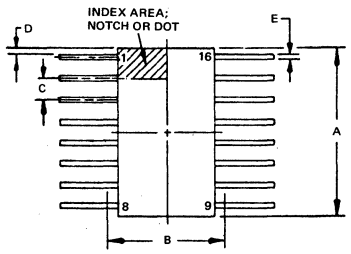


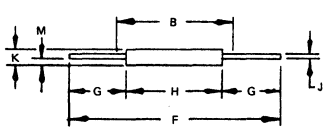
FP92



DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.240	0.290	6.100	7.360
B	0.240	0.260	6.100	6.600
C	0.030	0.070	0.762	1.770
D	0.003	0.006	0.077	0.152
E	0.005	0.035	0.127	0.889
F	0.045	0.055	1.150	1.390
G	0.010	0.019	0.254	0.482
H	–	0.015	–	0.381
K	0.070	–	1.780	–

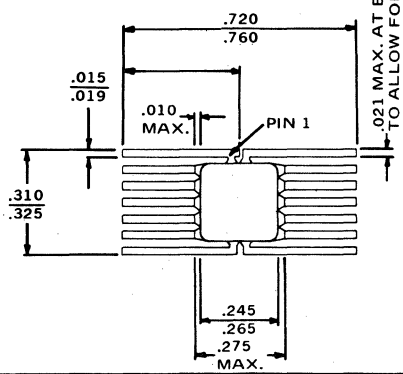
FP93





	A	B	C	D	E	F	G	H	J	K	M
FP93	.380 .434	.300 MAX	.050	.010 .030	.015 .019	.750 MIN	.250 .370	.250 .280	.003 .006	.049 .080	.010 .035
FP93a	.360 .490	.305 MAX	.045 .055		.015 .019	.750 MIN	.250 MIN	.250 .285	.003 .006	.049 .080	.010 .038
FP93b	.440 MAX	.305 MAX	.050		.015 .020	.745 MIN	.250 .370	.245 .285	.003 .006	.045 .085	.009 .040
FP93c	.370 .410		.050		.015 .019		.250 .350	.245 .250	.004 .006	.060 .075	.024

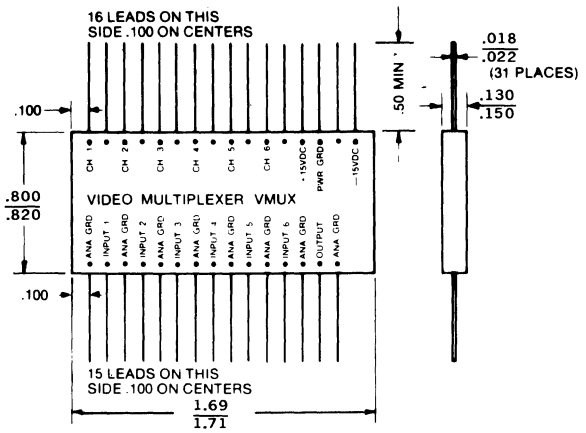
FP94



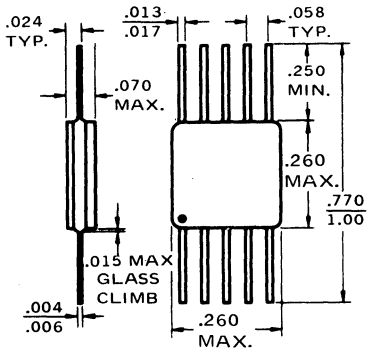
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

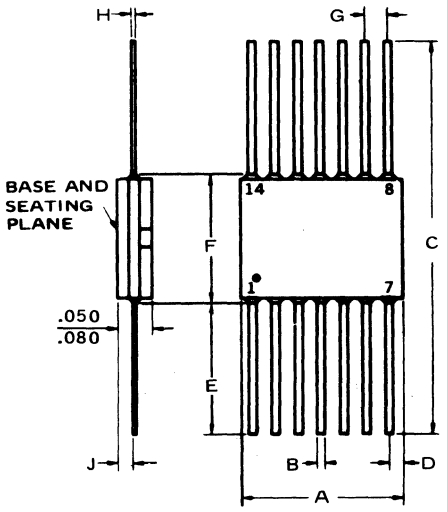
FP95



FP96

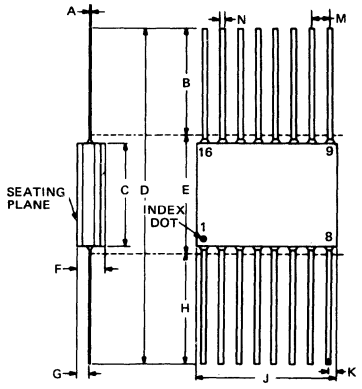


FP97



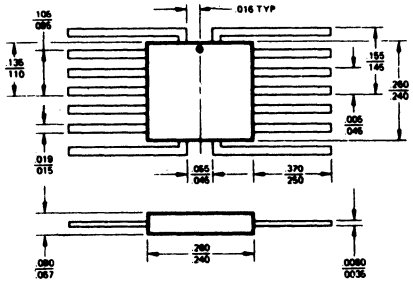
	A	B	C	D	E	F	G	H	J
FP97	.390 MAX	.013 .019	.840 .860	.010 .025	.270 .325	.275 MAX	.050 TYP	.003 .006	.020 .040
FP97a	.337 .350	.015 .019	.840 .860	.010 .025	.270 .325	.275 MAX	.050 TYP	.003 .006	.020 .040
FP97b	.385 MAX	.015 .019	.750 .770	.030 .045	.247 MAX	.275 MAX	.045 .055	.004 .006	.020 .040
FP97c	.337 .350	.015 .019	.840 .860	.010 .025	.292 TYP	.275 MAX	.045 .055	.004 .006	.020 .040

FP98

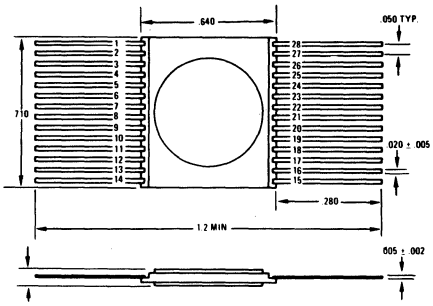


	A	B	C	D	E	F	G	H	J	K	M	N
FP98	.003 .006	.310 .350		.940 .960	.275 MAX	.050 .080	.020 .040	.210 .350	.371 .400	.025 MAX	.050 TYP	.003 .015
FP98a	.003 .006	.275 .325	.245 .275	.850 .950	.300	.050 .080	.015 .035	.275 .325	.375 .395	.026 MAX	.050 T.P.	.015 .019
FP98b	.003 .006	.310 .350	.247 .285	.940 .960	.300	.050 .080	.020 .040	.310 .350	.371 .400	.010 .025	.050 TYP	.015 .019

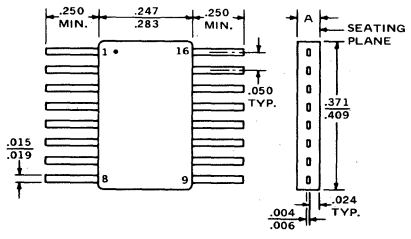
FP99



FP100

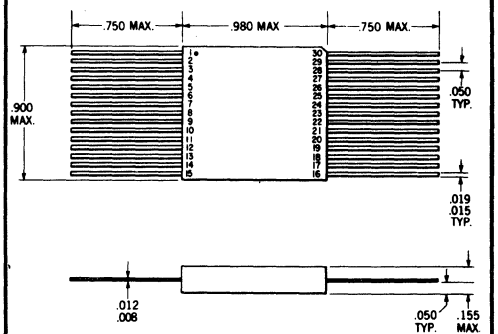


FP101

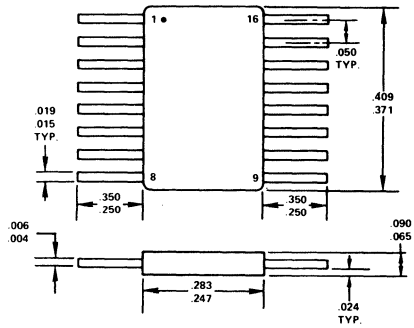


	A
FP101	.060 .075
FP101a	.049 .090

FP102



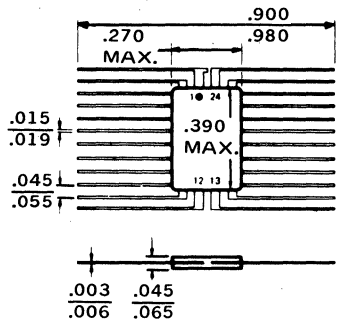
FP103



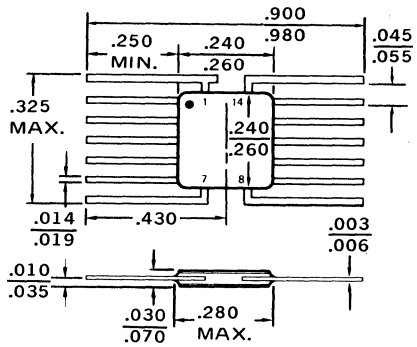
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

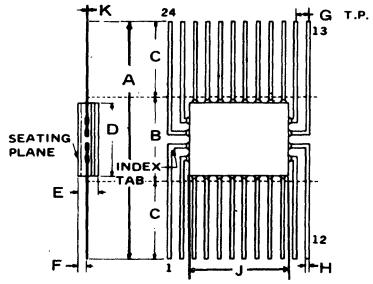
FP105



FP106

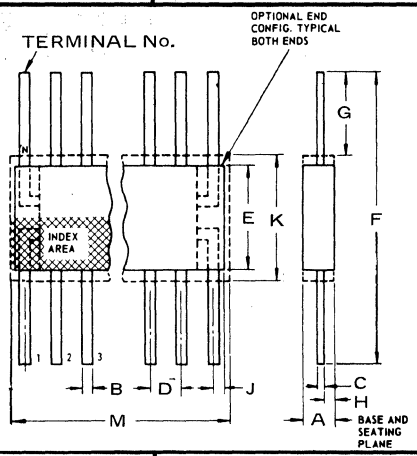


FP107



	A	B	C	D	E	F	G	H	J	K
FP107	.850 .950	.300	.275 .325	.240 .275	.050 .080	.015 .035	.050	.015 .019		.003 .006
FP107a	.880 .900	.275 MAX			.080 MAX	.020 .040	.045 .055	.015 .019	.390 MAX	.004 .006

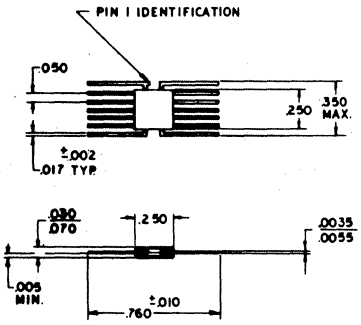
FP109



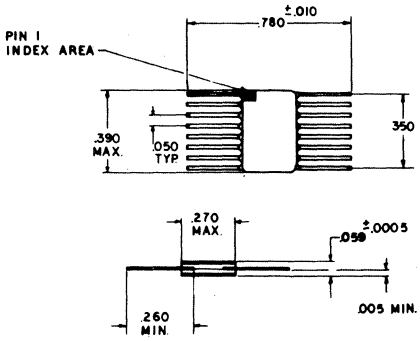
NOTES:
1. Refer to JEDEC Publication No. 13 for Rules for Dimensioning Peripheral Lead Outlines.
2. Leads within 0.005" (0.12 mm) radius of True Position (TP) at maximum material condition.
3. N is the maximum quantity of lead positions.
4. Z and Z_1 determine a zone within which all body and lead irregularities lie.

	A	B	C	D	E	F	G	H	J	K	M	TERM No.
FP109	.075 .120	.018 .022	.004 .007	.050	.600 .700	1.15 1.35	.225 .325	.035 .070	.060 .110	.700	.750	24
FP109a	.075 .120	.018 .022	.004 .007	.050	.600 .700	1.15 1.35	.225 .325	.035 .070	.060 .110	.700	.750	28

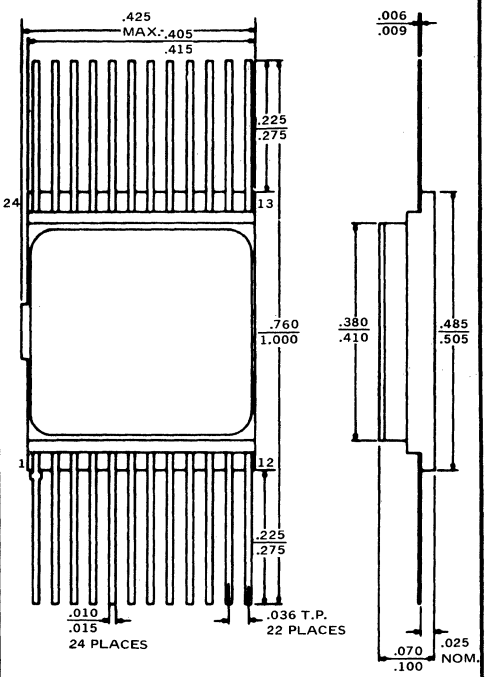
FP110



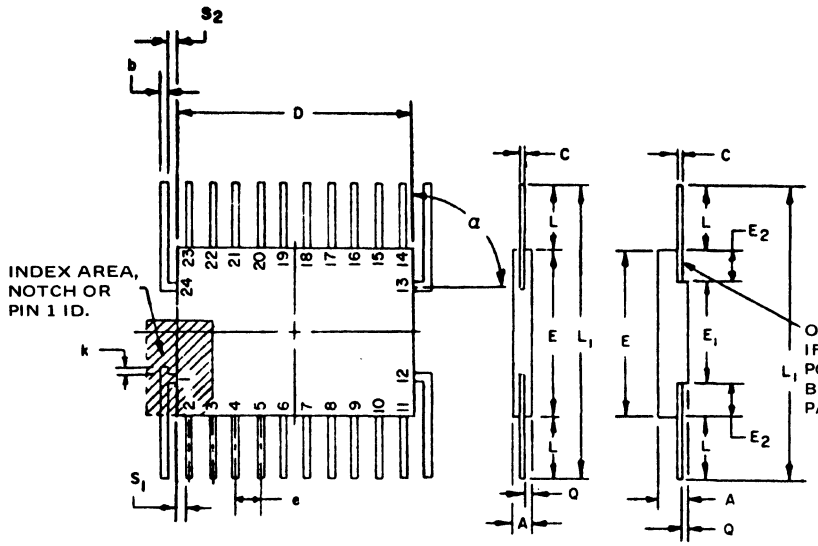
FP111



FP112

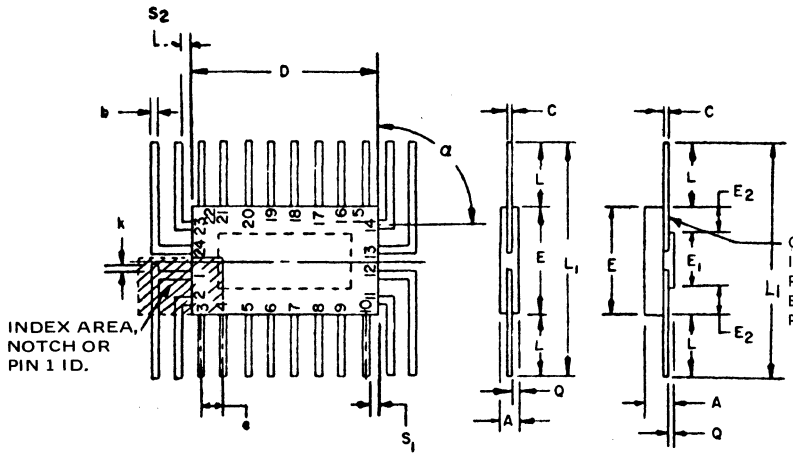


FP113



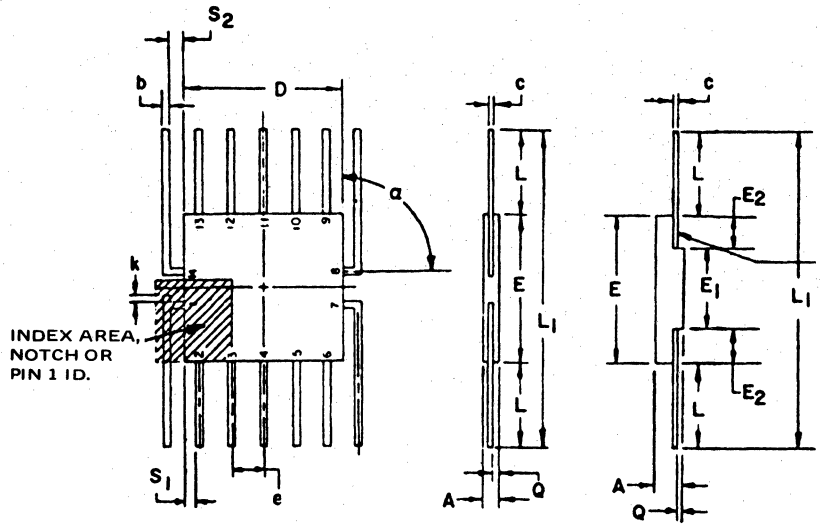
SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	.045	.090	1.14	2.29
b	.015	.019	.38	.48
c	.003	.006	.08	.15
D		.530		13.46
E	.340	.395	8.64	10.03
E_1	.180		4.57	
E_2	.030		76	
e	.050 BSC		1.27 BSC	
k	.008	.015	.20	.38
L	.250	.370	6.35	9.40
L_1	.845		21.46	
Q	.010	.040	.23	1.02
S_1	.005		.13	
S_2	.004		.10	
α	30°	90°	30°	90°

FP114



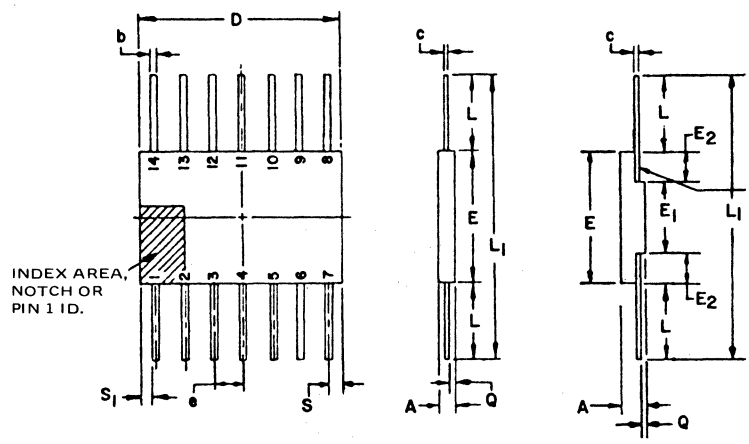
SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	.045	.090	1.14	2.29
b	.015	.019	.38	.48
c	.003	.006	.08	.15
D		.430		10.92
E	.245	.305	6.22	7.75
E_1	.125		3.18	
E_2	.030		.76	
e	.050 BSC		1.27 BSC	
k	.008	.015	.20	.38
L	.250	.370	6.35	9.40
L_1	.740		18.80	
Q	.010	.040	.23	1.02
S_1	.005		.13	
S_2	.004		.10	
α	30°	90°	30°	90°

FP115



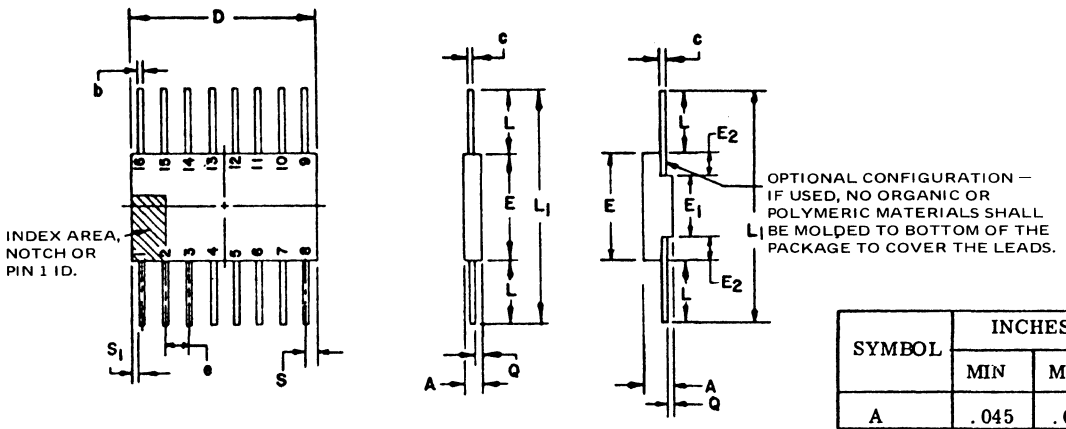
SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	.030	.085	.76	2.16
b	.010	.019	.25	.48
c	.003	.006	.08	.15
D		.280		7.11
E	.240	.280	6.10	7.11
E_1	.125		3.18	
E_2	.030		.76	
e	.050 BSC		1.27 BSC	
k	.008	.015	.20	.38
L	.250	.370	6.35	9.40
L_1	.740		18.80	
Q	.010	.040	.23	1.02
S_1	.005		.13	
S_2	.004		.10	
α	30°	90°	30°	90°

FP116



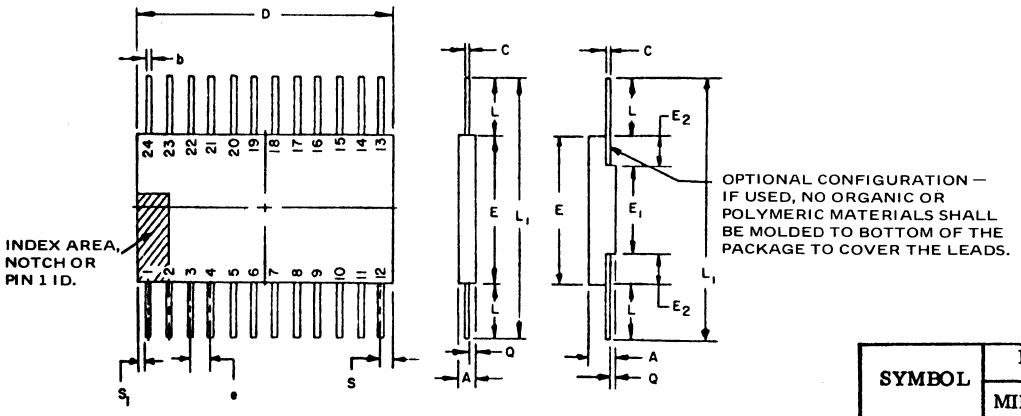
SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	.045	.085	1.14	2.16
b	.010	.019	.25	.48
c	.003	.006	.08	.15
D		.390		9.91
E	.235	.280	5.97	7.11
E_1	.125		3.18	
E_2	.030		.76	
e	.050 BSC		1.27 BSC	
L	.250	.370	6.35	9.40
L_1	.735		18.67	
Q	.010	.040	.15	1.02
S		.045		1.14
S_1	.005		.13	

FP117



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	.045	.085	1.14	2.16
b	.015	.019	.38	.48
c	.003	.006	.08	.15
D		.440		11.18
E	.245	.305	6.22	7.75
E_1	.130		3.30	
E_2	.030		.76	
e	.050 BSC		1.27 BSC	
L	.250	.370	6.35	9.40
L_1	.745		18.92	
Q	.010	.040	.23	1.02
S		.045		1.14
S_1	.005		.13	

FP118

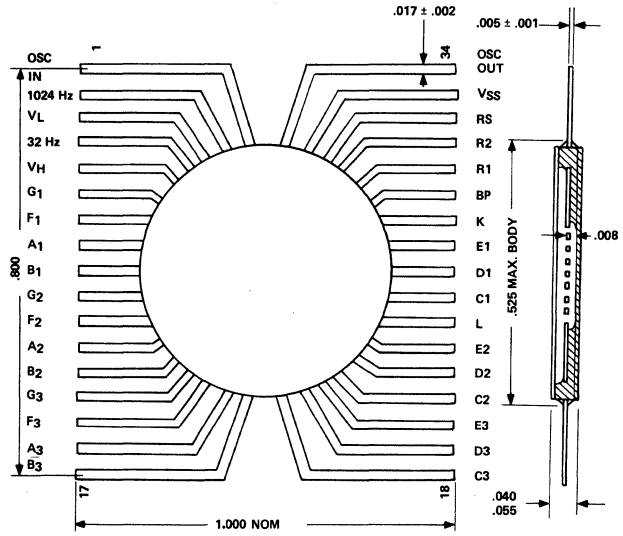


SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	.045	.090	1.14	2.29
b	.015	.019	.38	.48
c	.003	.006	.08	.15
D		.640		16.26
E	.360	.440	9.14	11.18
E_1	.195		4.95	
E_2	.030		.76	
e	.050 BSC		1.27 BSC	
L	.250	.370	6.35	9.40
L_1	.860		21.84	
Q	.010	.040	.23	1.02
S		.045		1.14
S_1	.005		.13	

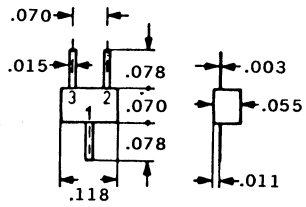
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

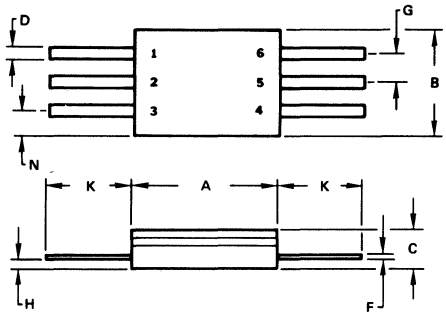
FP119



FP120



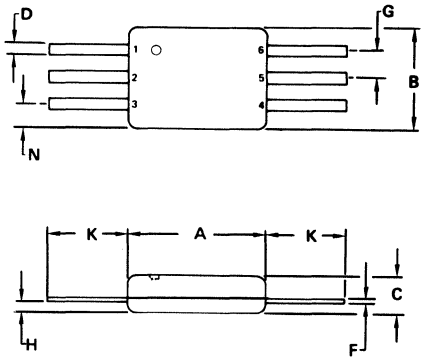
FP121



DIM	MILLIMETERS MIN	MILLIMETERS MAX	INCHES MIN	INCHES MAX
A	5.97	7.11	0.235	0.280
B	4.32	5.72	0.170	0.225
C	1.17	1.91	0.046	0.075
D	0.25	0.51	0.010	0.020
F	0.08	0.15	0.003	0.006
G	1.27 BSC		0.050 BSC	
H	0 13	0.89	0.005	0.035
K	1.90	3.05	0.075	0.120
N	0.89	1.52	0.035	0.060

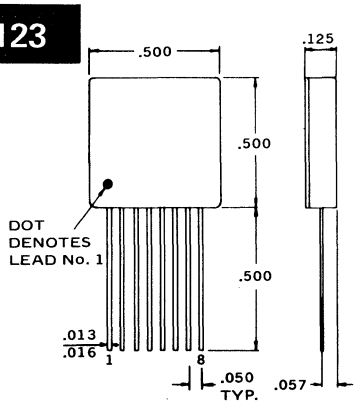
NOTES:
1. LEADS, TRUE POSITIONED WITHIN 0.13 mm (0.005) RADIUS TO DIM "A" & "B" AT MAXIMUM MATERIAL CONDITION.

FP122

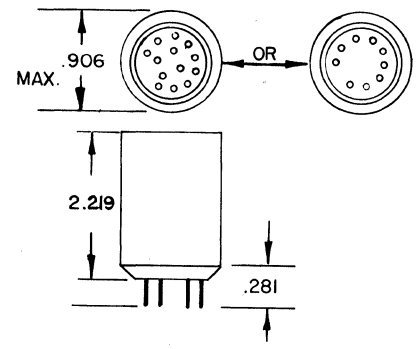


DIM	MILLIMETERS MIN	MILLIMETERS MAX	INCHES MIN	INCHES MAX
A	5.69	6.35	0.224	0.250
B	4.06	5.08	0.160	0.200
C	1.17	1.90	0.046	0.075
D	0.38	0.51	0.015	0.020
F	0.20	0.30	0.008	0.012
G	1.22	1.32	0.048	0.052
H	0.13	0.89	0.005	0.035
K	2.34	2.84	0.092	0.112
N	0.89	1.14	0.035	0.045

FP123

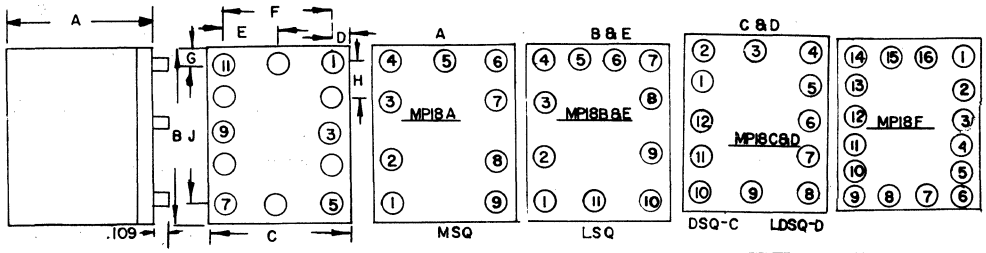


M-17



M-18

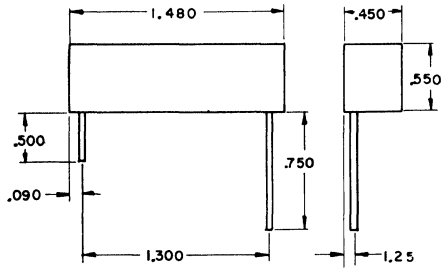
PKG.	A	B	C	D	E	F	G	H	J	K
M 18	.350	.625	.375							
M 18 A	.563	.781	.578	.090	.200	.400	.090	.200	.600	.041
M 18 B	.350	.781	.781	.090	.200	.600	.090	.200	.600	.041
M 18 C	.563	1.563	.781	.090	.300	.600	.181	.300	1.200	.041
M 18 D	.350	1.563	.781	.090	.300	.600	.181	.300	1.200	.041
M 18 E	.536	.781	.781	.090	.200	.600	.090	.200	.600	.041
M 18 F	.350	.781	.563	.078	.250	.406	.078	.125	.625	.032



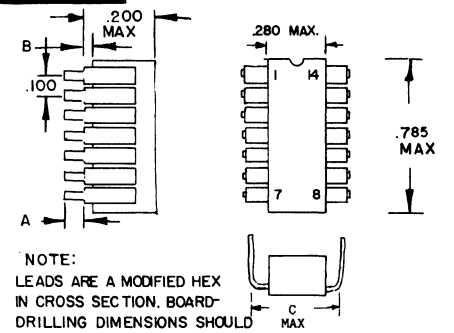
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

M-45



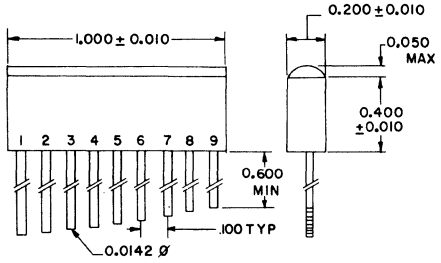
M-54



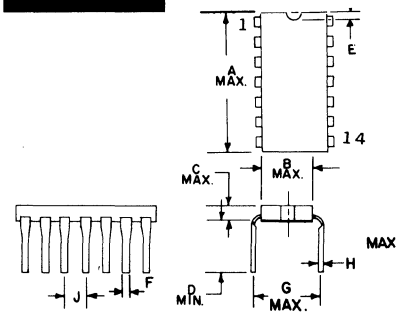
NOTE:
LEADS ARE A MODIFIED HEX IN CROSS SECTION. BOARD-DRILLING DIMENSIONS SHOULD EQUAL YOUR PRACTICE FOR A CONVENTIONAL .020 Ø LEAD

	A	B	C
M54	.125	.020 MIN	.300
M54a	.155 MAX	.040	.300
M54b	.150 MAX	.020 MAX	.300
M54c	.135 MIN	.020 MIN	.325
M54d	.100 MIN	.020 MIN	.290 .310

M-55

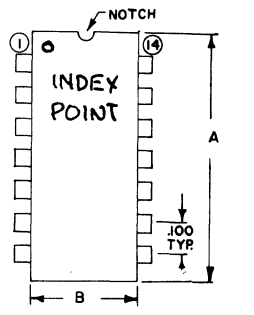


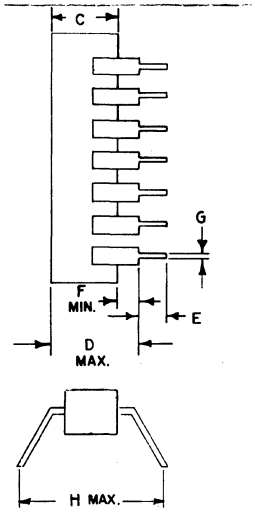
M-75



	A	B	C	D	E	F	G	H	J
M-75	.715	.265	.090	.170	.031		.310	.023	.100
M-75a	.770	.260	.200	.125	.160		.310	.023	.100
M-75b	.715	.265	.130	.170		.025	.310	.023	.100
M-75c	.775	.275	.155	.195	.024	.020	.310	.012	.100
M-75d	.715	.270	.120	.180		.024	.305	.024	.105
M-75e	.715	.265	.100	.200		.021	.300 TYP		.100
M-75f	.725	.265	.160	.125		.019	.350	.010	.100
M-75g	.770		.200	.150		.020	.300	.020	.100
M-75h	.715	.265	.125	.170	NA	.018 .024	.300	.016 .024	.100
M-75j	.787	.275	.175 MIN	.170		.019	.354		.110 .090
M-75k	.700 TYP	.250 TYP	.080 TYP	.190 TYP	NA	.016 .020	.300 TYP	.008 .012	.100 TYP

M-105



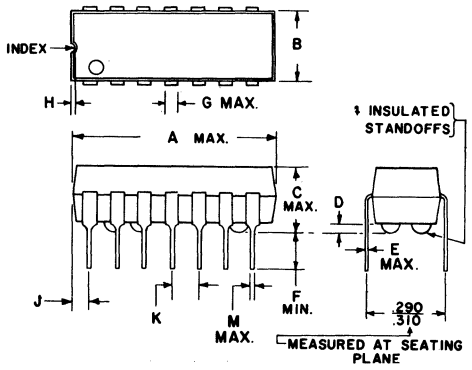


	A	B	C	D	E	F	G	H	MARKING
M105	.775	.234	.125	.200	.150	.020	.020	.350	NOTCH
M105a	.775	.250	.160	.180	.100	.020	.020	.350	NOTCH
M105b	.770	.260		.125	.120	.020	.020	.350	NOTCH
M105c	.775	.275	.160	.200	.140	.020	.020	.350	NOTCH
M105d	.660	.322	.165			.020	.020	.350	NOTCH
M105e	.785	.280	.180	.200	.125	.020	.020	.350	NOTCH
M105f	.700	.250	.125	.150		.040	.021	.300	NOTCH
M105g	.700	.250	.120	.170	.130	.005	.017		NOTCH
M105h	.700	.250	.150	.185	.130	.035	.020	.350	NOTCH
M105j	.695	.256	.177	.197	.118	.019	.020	.393	NOTCH
M105k	.740	.250	.200	.220	.125	.020	.017		NOTCH
M105m	.685 .715	.235 .265	.120 MAX	.305 MAX	.180		.009 .010		INDEX
M105n	.765	.245	.140	.170	.140	.020	.016	.375	NOTCH
M105p	.685 .715	.244 .256	.104 MAX	.109	.125 MIN	.05 MIN	.020	.350	NOTCH NOTCH
M105q	.745 .755	.245 .250	.115 .125	.130 .160	.120 .130	.015 .035	.015 .021	.325 .375	INDEX PT
M105r	.685 .715	.235 .265	.110 MAX	.160	.125	.050	.015 .020	.325 .375	NONE
M105s	.785 .815	.235 .265	.110 MAX	.170	.110	.060	.020	.325 .375	INDEX
M105t	.680 .680	.2545	.149	.185	.102 .133	.035	.039	.322 .375	NOTCH
M105u	.685 .715		.125 MAX	.150	.135	.035	.018 .024	.300	INDEX
M105v	.685 .785	.240 .280	.180 MAX	.200	.120 .150	.020	.015 .023		NOTCH
M105w	.685 .715	.230 .270	.100 MAX						INDEX
M105x	.685 .715	.235 .265	.120 MAX						INDEX
M105y	.755 .765	.236 MAX	.145 .159				.018 TYP	.350 MAX	INDEX
M105z	.769 MAX		.180	.200	.100 .165	.020	.015 .023		NOTCH
M105aa	.785 MAX	.280 MAX	.180	.200 MAX	.100	.020		.400	NOTCH
M105ab	.710 MAX	.280 MAX	.180	.200 MAX	.100	.020		.400	NOTCH
M105ac	.696 MAX	.251 MAX	.111	.140 MAX	.141 MIN	.029	.016 .021		
M105ad	.755 .785	.265 .291	.150 .200	.170 .219	.100 .160	.020 MIN	.016 .020	.375 TYP	
M105ae	.745 .755	.245 .250	.115 .125	.130 .160	.125	.015 .035	.015 .023	.290 .316	
M105af	.740 .770	.240 .280	.145	.160	.120 MIN	.015 MIN	.015 .033	.325 .375	NOTCH and INDEX
M105ag	.730	.240 .265		.180	.115	.060	.020	.310	INDEX
M105ah	.760 .760		.200 MAX		.150 MIN		.018 .023	.350 MAX	NOTCH
M105aj	.745 .755	.245 .255	.125 .135		.125 MIN		.020	.325 .375	NOTCH
M105ak	.745 .755	.245 .252	.115 .125		.135 .165	.015 .035	.015 .021	.325 .375	
M105am	.712 MAX	.244 .255	.102 MAX	.152 MAX	.125 MIN	.050 MIN	.020	.350 TYP	NOTCH
M105an	.708	.251	.125	.156	.169	.031	.023	.299	INDEX
M105ap	.660 .785	.220 .280	.200 MAX		.100 MIN	.015 .055	.014 .023		NOTCH or DOT
M105aq	.725 MAX	.265 MAX	.180 MAX	.200	.105 .145	.020	.015 .019	.310 .350	
M105ar	.685 .715	.235 .265	.120 MAX	.305 MAX	.130 MAX	.025	.015 .019		
M105as	.660 .785	.220 .280	.087 .093	.200 MAX	.100 MIN	.007 .013	.015 .023	.325 MAX	NOTCH or DOT
M105at	.660 .785	.220 .280	.100 .200	.120 .280	.125 .200	.020 .080	.015 .023	.290 .326	NOTCH or DOT
M105au	.725 .825	.220 .325		.220 MAX	.100 .165	.015 MIN	.014 .023	.300	
M105av	.745 .770	.240 .260		.120 .200	.125 .150	.020 .065	.014 .020	.300	
M105aw	.750 .755	.244 .271	.130 .170		.100 .130	.030 .050	.015 .023	.350 .400	NOTCH
M105ax	.760 .765	.250	.130	.180 MAX	.130	.040 TYP	.020 TYP	.300 NOM	NOTCH
M105ay	.750 .785	.244 .271	.120 .185	.200 MAX	.125 MIN	.015 .080	.015 .023	.380 NOM	NOTCH

SECTION 13. OUTLINE DRAWING

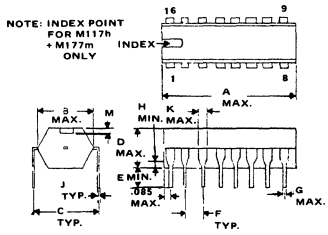
IN DRAWING NUMBER SEQUENCE

M114



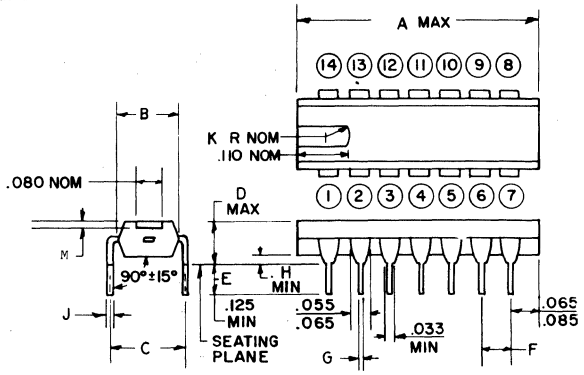
	A	B	C	D	E	F	G	H	J	K	M
M114	.750	.240 .280	.200	.030	.015	.15	.07	.025	.062	.10	.023
M114a	.880	.235 .275	.180	.020 MAX	.012	.10	.05			.10	
M114b	.750	.235 .275	.180	.020	.012	.10	.05			.10	
M114c	.755	.245 .250	.125	.035	.015	.125	.052			.110	.023
M114d	.767	.252	.144		.019	.200				.110	.019
M114e	.660 .785	.220 .280	.200	.020 MIN	.008 .015	.100 MIN	.030 .070			.090 .110	.015 .023
M114f	.710 .740	.240 .260	.200 MAX	.030	.008 .015	.100 MIN	.030 .070	.025	.062	.100	.015 .023

M117



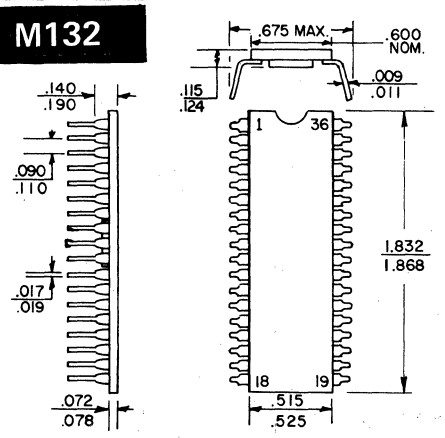
	A	B	C	D	E	F	G	H	J	K	M
M117	.870	.260	.300	.200	.125	.100	.021	.015	.011	.065	.030
M117a	.755	.250	.300	.160	.125	.100	.023	.020	.019	.065	.030
M117b	.785	.280	.375	.185	.115	.100	.023	.015	.010	.065	.030
M117c	.785		.350 MAX	.180	.160 TYP	.100	.020	.020		.065	.030
M117d	.767	.250	.300	.130	.135	.100	.018			.065	.030
M117e	.850	.260	.350	.140	.125	.100	.021	.020	.010	.065	.030
M117f	.780	.255	.350	.185	.105	.100	.022		.010	.065	.030
M117g	.770	.280	.350	.165	.120	.100	.023	.015	.015 MAX	.065	.030
M117h	.745 .755	.245 .250	.290 .310	.130 .160	.125	.090 .110	.015 .023	.015 .035	.010 .015	.065	.030
M117j	.750 TYP	.265	.330 .370	.082 .100	.135 TYP	.100	.017 TYP		.009 .011	.050 TYP	.030
M117k	.787	.251		.181	.122	.100	.017	.019			.030
M117m	.870	.260	.325	.200	.140 .145	.100	.021	.010 .020	.011	.080	.010
M117n	.750 TYP		.300 TYP	.130 TYP	.150 TYP	.100 TYP	.016 .020	.015 TYP	.009 .011	.045 .065	.030 TYP
M117p	.760 .780	.245 .255	.219 .310	.115 .125	.135 .165	.090 .110	.015 .021	.015 .035	.015 .020	.050 .054	
M117q	.744 .860	.240 .251	.290 .375	.185		.100	.014 .022	.043 MIN	.009 .014	.043 .055	
M117r	.708 .866	.244 .259	.299 .322	.181 MAX	.122 MAX	.100	.017	.019 MIN	.009		
M117s	.795 MAX	.256	.299 .394	.197 MAX	.118 MIN	.100	.020	.019 MIN	.008 .014		
M117t	.890 MAX	.260 MAX	.310 .350	.175 MAX	.125 MIN	.090 .110	.065 .085	.020 MIN	.008 .012		.030
M117u	.881 MAX	.240 .255	.300	.200 MAX	.100 .150	.100	.014 .020	.020	.009	.043 .062	
M117v	.881 MAX	.240 .255	.290 .375	.200 MAX	.104 .150	.100	.014 .022	.020	.007 .014	.043 .062	
M117w	.870 MAX	.240 .263	.307 .322	.162	.125 MIN	.100	.018	.019			
M117x	.870 MAX	.240 .260	.290 .310	.200 MAX	.125 MIN	.100 TP	.015 .021	.020 MIN	.008 .014	.070 MAX	.010 NOM
M117y	.815 .840	.240 .260	.290 .310	.160 .180	.115 .135	.100	.015 .020	.020 .040	.008 .012	.040 .060	
M117z	.840 .860	.235 .255	.350 .400	.170 MAX	.140 MAX	.090 .110	.015 .018	.020 .030	.009 .012		
M117aa	.779 .787	.244 .259	.299 .322	.181 MAX	.122 .141	.100	.017	.019	.009	.059	
M117ab	.748	.251	.300	.200 MAX	.110 MIN		.020	.020 MIN	.010		

M126

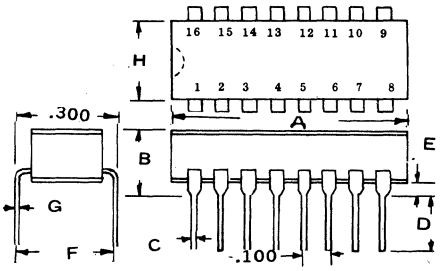


	A	B	C	D	E	F	G	H	J	K	M
M126	.770	.240 .310	.290 MAX	.200	.125 .110	.090 .021	.015 MIN	.020 .014	.008	.093	.030
M126a	.770	.240 .260	.350	.175	.125	.090 .110	.015 .021	.020	.008 .014	.040	.030
M126b	.750	.250	.350	.185	.130	.100	.019	.035	.012		.030
M126c	.670	.258	.350	.185	.135		.019	.035	.010		.030
M126d	.760	.260	.350	.175	.125	.100	.018	.020	.010	.040	.030
M126e	.770	.240 .260	.300 .350	.200	.125 MIN	.090 .110	.015 .021	.020	.008 .014	.055 .095	.010
M126f	.755	.240 .255	.290 .375	.200	.102 .150	.100	.014 .022	.020	.009 .015		
M126g	.744 .755	.244 .259	.299 .322	.181 MAX	.122 .141	.100	.017	.019 MIN	.009		
M126h	.787	.255 MAX	.330		.129	.090 .110	.015				
M126j	.750	.250			.135	.100	.018				
M126k	.740 .770	.240 .280	.325 .375	.160 MAX	.120 MIN		.100 .	.015 .023	.015 MIN	.008 .015	
M126m	.790 MAX	.260 MAX	.310 .350	.175 MAX	.125 MIN	.090 .110	.015 .021	.020 MIN	.008 .012		.030
M126n	.783 MAX	.240 .255	.290 .375	.200 MAX	.102 .150	.100	.014 .021	.020 MIN	.008 .014		
M126p	.771 MAX	.240 .263	.307 .322	.162	.125 MIN	.100	.018	.019	.011		
M126q	.760 .760	.245 .255	.290 .310	.130 .160	.120 .130	.090 .110	.015 .021	.015 .035	.015 .020		
M126r	.750 MAX	.240 .260	.300 .350	.200 MAX	.125 MIN	.100 TYP	.015 .023		.008 .015		
M126s	.787 MAX	.279 MAX	.329	.200 MAX	.129	.100	.017	.020	.009		
M126t	.740 .810	.290	.300				.016 .020	.020 .050	.008 .012		
M126u	.787 MAX	.255 MAX	.329	.149	.137	.100	.017	.019	.007		
M126v	.765	.248	.300	.175	.125	.100		.025	.010		
M126w	.740 .760	.240 .260	.375	.200 MAX	.100 .150	.090 .110	.016 .020	.015	.009 .011	.035 .045	.010 .020
M126x	.748	.251	.300	.200 MAX	.110 MIN		.020	.020 MIN	.010		

M132



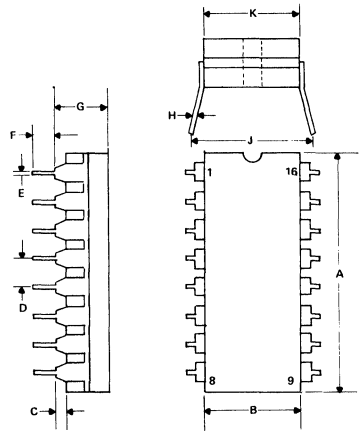
M146



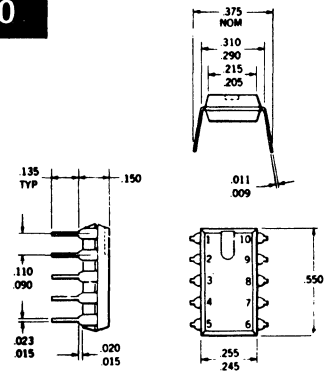
	A	B	C	D	E	F	G	H
M146	.800 MAX	.180 MAX	.019	.125	.020	.350 MAX	.010	.265 MAX
M146a	.785 .815	.170	.020	.110	.060	.325 .375	.008 .010	.265 MAX
M146b	.745 .785	.165 .228	.016 .020	.095 .115	.020 .040	.300	.010	.265 MAX
M146c	.870 MAX		.014 .023	.100 MIN	.015 .055		.008	.220 .280
M146d	.820 .850	.200 MAX	.015 .023	.100 MIN	.020 MIN	.290 .410	.008 .012	.245 .255
M146e	.866 MAX	.185 MAX	.013 .021	.104 .150	.035 MIN	.300	.009	
M146f	.735 .830	.220	.015 .023	.100 .150	.020 .060	.290 .410	.008 .012	
M146g	.745 .855	.200	.015 .023	.100 MIN	.020 MIN	.290 .410	.008 .012	

M-148

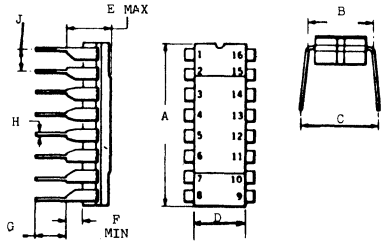
	A	B	C	D	E	F	G	H	J	K
M148	.875	.285	.015	.105	.021	.100	.171	.011	.375	.310
M148a	.785	.280	.015	.110	.023	.100	.200	.011	.375	.310
M148b	.785	.244	.05	.100	.020	.125	.105	.008	.300	.350
	.815	.256	MIN			MIN		.010		
M148c	.660	.220	.020	.090	.015	.100	.200	.008		.290
	.700	.280	MIN	.110	.022	MIN	MAX	.015		.310
M148d	.800		.020	.100	.015	.100	.200	.007		.300
	MAX		MIN		.023	.165	MAX	.014		
M148e	.780		.020		.016	.125	.140	.008	.300	.290
	.810		.050		.020	.175		.012		
M148f	.800	.280	.040	.100	.018	.185	.081		.310	.280
M148g	.740	.275	.020	.090	.015	.125	.100	.008	.290	
	.830	.310	.050	.110	.023	.160	.200	.012	.320	



M-150

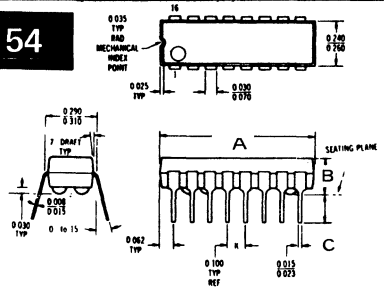


M-153



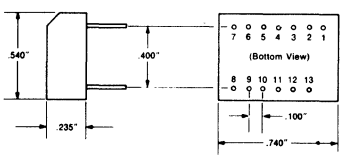
	A	B	C	D	E	F	G	H	J
M153	.785	.290	.350		.200	.020	.150	.020	.090
	MAX	.310	MAX						.110
M153a	.750	.290	.375	.240	.200	.015	.100	.023	.090
	.785	.310		.250			MIN	MAX	.110
M153b	.780	.288	.300	.256	.197	.019	.118	.016	.090
		.312	.393	MAX			MIN	.024	.110
M153c	.785			.230	.200	.020	.100	.016	.090
	MAX			.265	MAX	MIN	MIN	.023	.110
M153d	.755	.290	.300	.245	.200	.020	.130	.015	.100
	.785	.310	.350	.285	MAX	MIN	MIN	.023	TP
M153e	.755	.290	.325	.280	.200	.020	.130	.015	.090
	.785	.310	.375	MAX	MAX	MIN	MIN	.023	.110
M153f	.744		.300	.252	.200	.019	.110	.019	.100
					MAX	MIN	MIN		
M153g	.787	.300	.375	.280	.200	.020	.125		
	MAX			MAX	MAX	MIN			

M-154

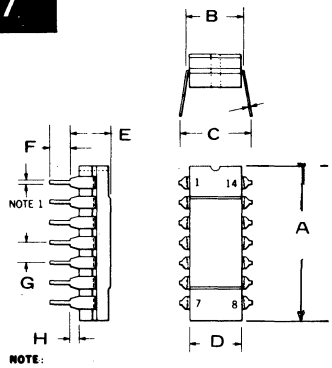


	A	B	C
M154	.860 MAX	.200 MAX	.100 MIN
M154a	.810	.165	.115
	.840	.185	.135

M-156



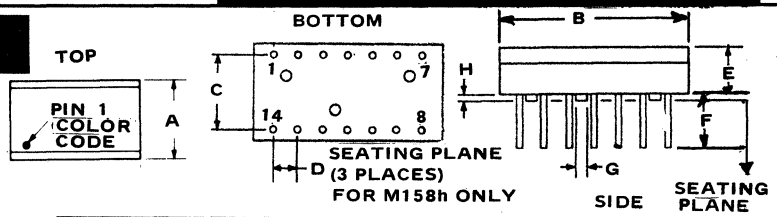
M-157



NOTE:
1 Board-drilling dimensions should equal your practice for a conventional .020 inch diameter lead

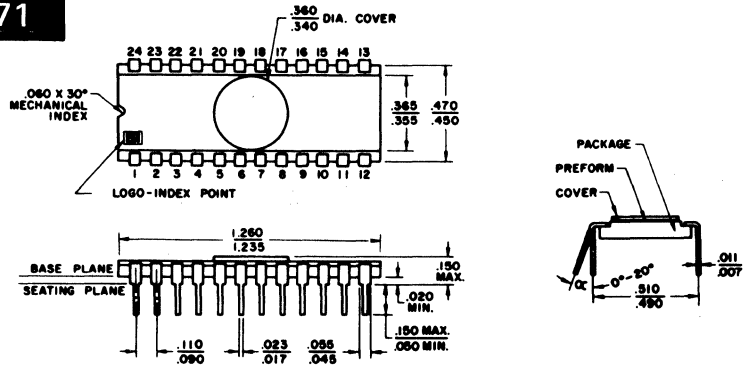
	A	B	C	D	E	F	G	H
M157	.750	.290	.375	.240	.200	.125	.090	.015
	.785	.310		.260			.110	MIN
M157a	.660	.325		.220	.200	.100	.090	
	.780	MAX		.280		MIN	.110	
M157b	.755	.290	.300	.280	.200	.130	.090	.020
	.785	.310	.350	MAX	MAX	MIN	.110	MIN
M157c	.785			.230	.200	.100	.090	.020
	MAX			.265	MAX	MIN	.110	MIN
M157d	.715	.290		.240	.160	.115	.100	.020
	.740	.310		.260	.180	.135		.040
M157e	.730	.290		.240	.200	.115	.100	.020
	.760	.310		.260	MAX	.135		
M157f	.660	.325	.400	.220	.200	.100	.090	.020
	.785	MAX	MAX	.280	MAX	MIN	.110	MIN
M157g	.750	.290	.375	.245	.200	.100	.090	.015
	.785	.310	NOM	.271	MAX	.165	.110	MIN

M-158

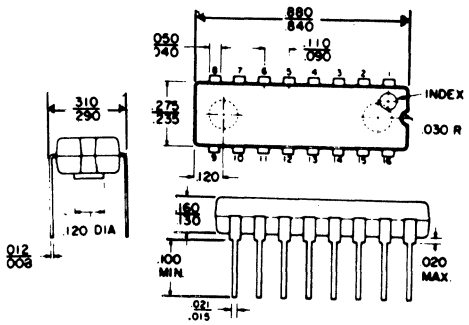


	A	B	C	D	E	F	G	H	REMARKS
M158	.475	.810	.300	.100	.215	.250	NA	NA	
M158a	.475	.810	.300	.100	.215	.250	NA	NA	OMIT PINS 2,3,4,5,6, 9,10,11,12,13
M158b	.475	.810	.300	.100	.215	.250	NA	NA	OMIT PINS 9,10,12,13
M158c	.475	.810	.300	.100	.215	.250	NA	NA	OMIT PINS 2,6,8,9,10, 12,13
M158d	.475	.810	.300	.100	.215	.250	NA	NA	OMIT PINS 5,6,11,12
M158e	.440	.784	.300	.100	.235	.230	NA	NA	OMIT PINS 3,4,5
M158f	.440	.784	.300	.100	.235	.230	NA	NA	OMIT PINS 2,4,6,9,11, 13
M158g	.440	.784	.300	.100	.235	.230	NA	NA	OMIT PINS 3,4,6,13
M158h	.390 MAX	.770 MAX	.300 TP	.100 TP	.190 MAX	.194 .222	.045 TYP	.020 MIN	STANDOFFS

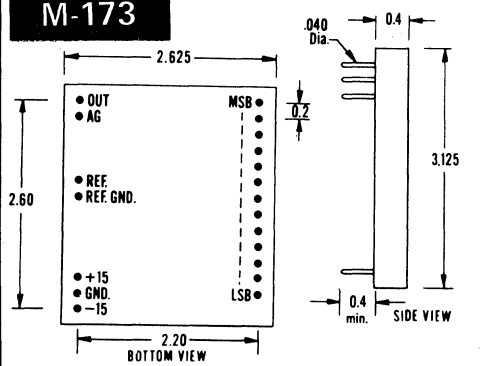
M-171



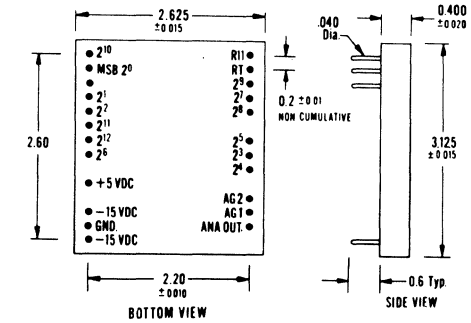
M-172



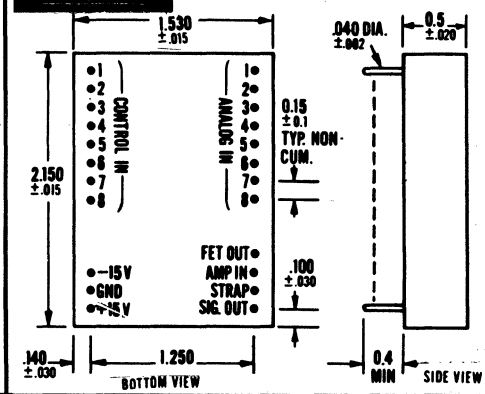
M-173



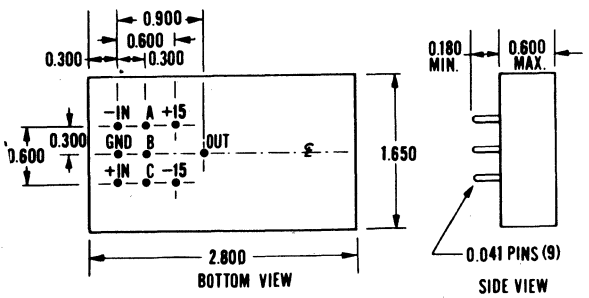
M-174



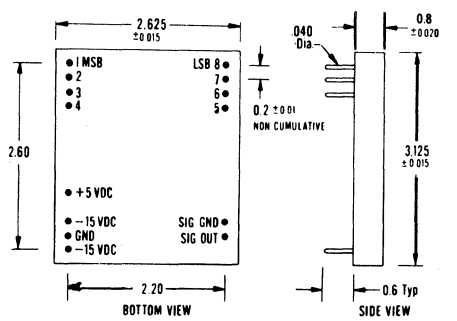
M-175



M-176



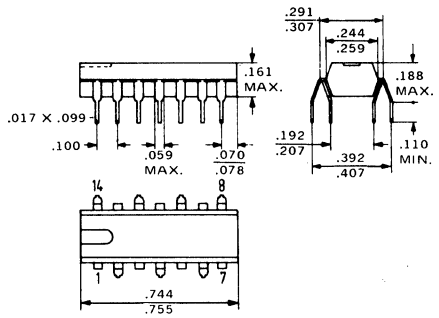
M-177



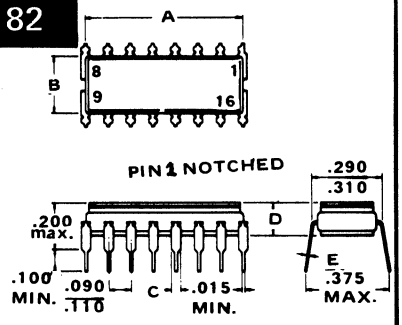
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

M-181

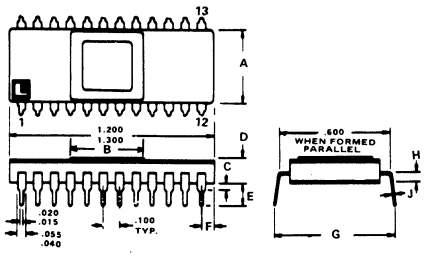


M-182



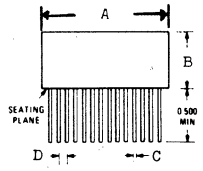
	A	B	C	D	E
M-182	.700	.245 .275	.040 MIN	.145 MAX	.009 .011
M-182a	.720 MAX	.250 .270	.035 MIN	.095 MAX	.008 MIN

M-183



	A	B	C	D	E	F	G	H	J
M183	.515 .545		.055	.120 .140	.140 .160	.060 .070	.600 .650	.055 .065	.008 .010
M183a	.495 .595	.397 .495	.020 MIN	.137 MAX	.110 MIN				.010

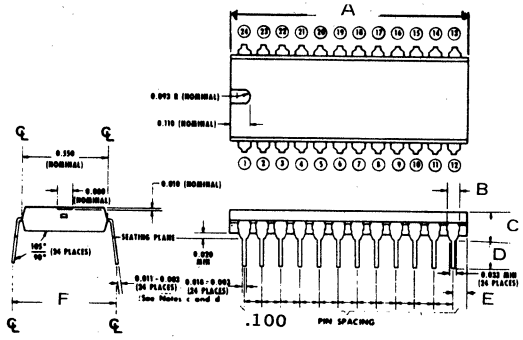
M-185



	A	B	C	D	E	F	G	H	J	PIN NO.	REMARKS
M185	1.58 1.60	.580 .600	.015 .023	.095 .105	.130 .170	.008 .015	.240 .260			14	HAS SEATING PLANE
M185a	1.08 1.12	.298 .302	.025	.150			.248 .252	.200	.100	6	

M-186

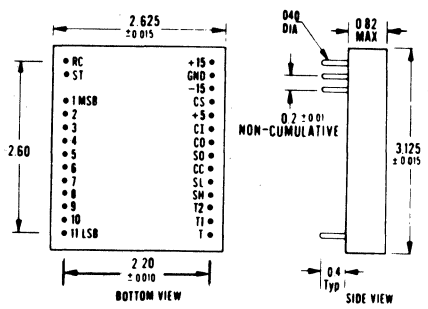
	A	B	C	D	E	F
M186	1.31 MAX	.070 MAX	.200 MAX	.125 MIN	.095 MAX	.600 .650
M186a	1.26 MAX		.230 MAX	.118 MAX		.591 .728
M186b	1.22 1.27	.051 .066	.161 .248	.137 .150	.066 .086	.600
M186c	1.24 1.25	.040 .050	.175 MAX	.130		.600



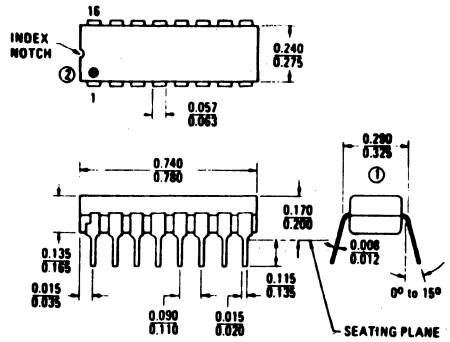
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

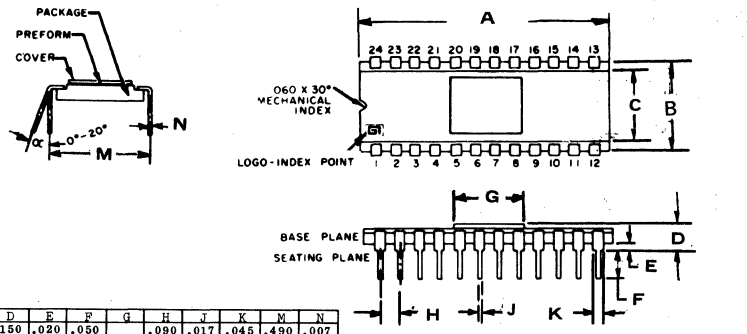
M-187



M-191

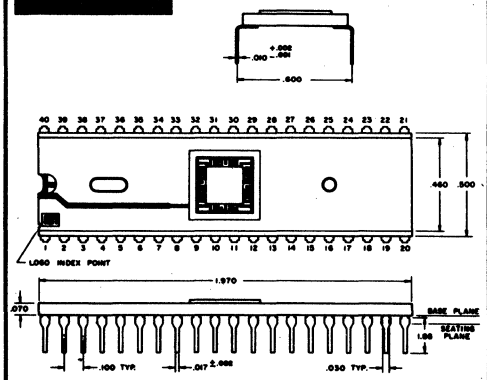


M-192

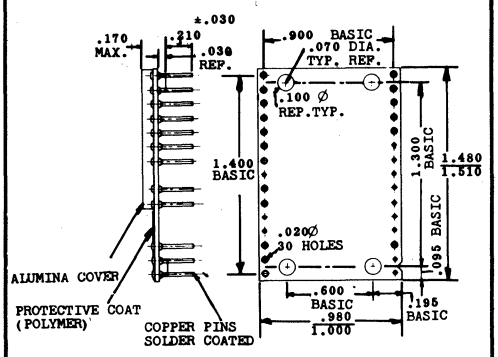


	A	B	C	D	E	F	G	H	J	K	M	N
M192		.450	.355	.150	.020	.050		.090	.017	.045	.490	.007
		.470	.365	MAX	MIN	.150		.110	.023	.055	.510	.011
M192a	1.20	.515		.150	.020	.050		.090	.017	.045	.490	.007
	1.30	.545		MAX	MIN	.150		.110	.023	.055	.510	.011
M192b	1.25	.472	.362		.031	.118	.571	.096	.016	.043	.488	.008
	MAX	MAX	MAX		MIN	MIN	MAX	.104	.024	.051	.512	.012
M192c	1.17	.490		.150	.020	.170		.090	.016	.045	.590	.008
	1.22	.510		MAX	MIN	MAX		.110	.020	.055	.610	.012

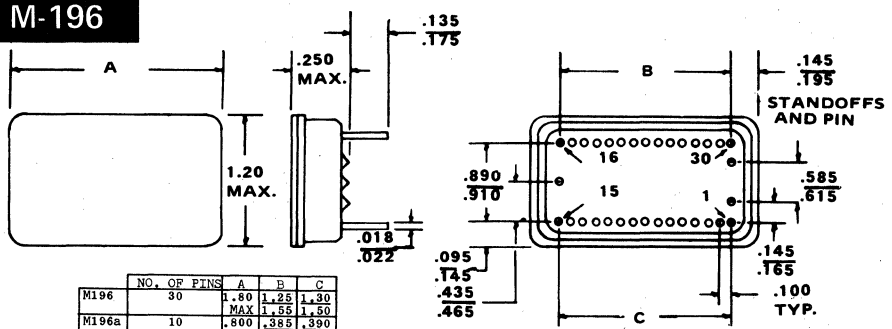
M-193



M-195

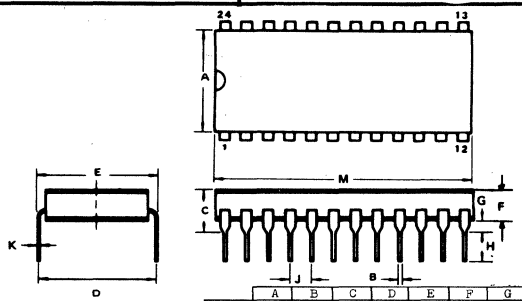


M-196



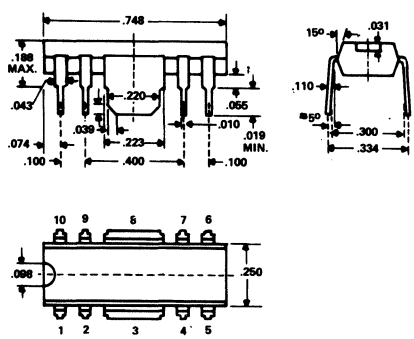
	NO. OF PINS	A	B	C
M196	30	1.80	1.25	1.30
		MAX	1.55	1.50
M196a	10	.800	.385	.390
		MAX	.415	.410
M196b	20	1.30	.885	.890
		MAX	.915	.910
M196c	30	1.80	1.39	1.38
		MAX	1.41	1.41

M-197



	A	B	C	D	E	F	G	H	J	K	M
M197	.520	.019	.180	.650	.600	.160	.020	.125	.100	.010	1.25
			MAX	MAX		MAX					
M197a	.525	.018	.170	.625	.585	.150	.020	.125	.100	.010	1.25
	.535	.022	MIN	.675	.595	MIN					
M197b	.511			.622		.196	.020	.125	.100	.010	1.25
M197c	.520	.015	.220		.625		.030	.100	.090		1.23
	.550	.023	MAX		MAX		MIN	MIN	.110		1.28
M197d		.015	.220		.600		.050	.125	.100	.011	1.24
		.021	MAX				TYP				1.28
M197e	.514	.016	.165	.600			.020	.115	.098	.010	1.238
	.546	.022	.200				.048	.150	.102	.012	1.284

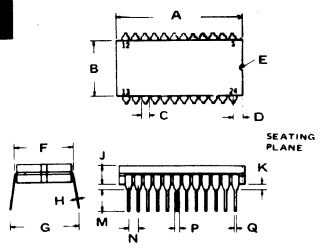
M-198



SECTION 13. OUTLINE DRAWING

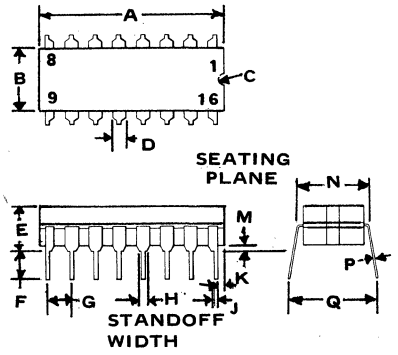
IN DRAWING NUMBER SEQUENCE

M-199



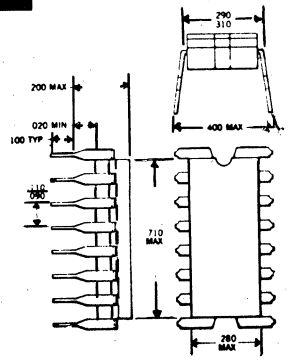
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
M199	1.23 1.31	.515 .575	.045 .065	.025	.020 .030	.600	.750 MAX	.009 .011	.125 .210	.025 .063	.100 .200	.090 .110	.027 .037	.016 .020
M199a	1.23 1.30	.515 .574				.602	.748 MAX	.009 .011	.125 .210	.020	.148 MIN	.100		.014 .020
M199b	1.23 1.28	.514 .546				.600	.600	.010 .012	.145 .152	.020 .048	.125 .150	.098 .102		.016 .022

M-200

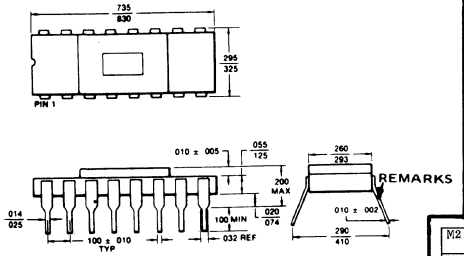


	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
M200	.755 .785	.265 .291	.025	.045 .065	.170 .219	.100 .165	.090 .110	.027 .037	.016 .020	.015 .045	.020 MIN	.290 .310	.009 .011	.375
M200a	.685 .785	.240 .280			.220	.100 MIN	.100	.032	.015 .023		.020 MIN	.230 .290	.008 .015	
M200b	.745 .755	.245 .255				.125 MIN	.090 .110		.020			.290 .300	.009 .011	.325 .375
M200c	.787 MAX	.275 MAX			.196 MAX	.149	.100		.019 MIN		.019 MIN	.290 .310		.354
M200d	.750 .785	.240 .280			.200 MAX	.100 MIN	.090 .110		.023 MAX		.015 MIN	.290 .310	.009 .011	.375
M200e	.785 MAX	.280 MAX			.175	.130 MIN	.090 .110		.015 .023	.080 MAX	.020	.310 MAX	.008 .014	.300 .370
M200f	.800 MAX				.200 MAX	.100 .150	.100	.032	.011 .019		.012	.324	.007 .011	.300
M200g	.745 .785	.243 .263			.145 .188	.115 .135	.098 .102	.030 .034	.016 .020		.020 .040		.010 .012	.300 NOM
M200h	.755 .785	.245 .286	.025	.058 MIN	.145 .169	.115 .135	.100	.034 MAX	.018	.015 .045	.015 .025	.308 .314	.009 .011	
M200j	.750 .785	.245 .271	.025	.045 .065	.200 MAX	.125 MIN	.090 .110	.027 .037	.016 .020	.016 .045	.020	.325 MAX	.009 .011	.400 MAX
M200k	.785 MAX	.280 MAX		.055 .065	.200 MAX	.130 MIN	.090 .120		.016 .020	.050 MAX	.020 .070	.310 MAX	.008 .012	.285 .325
M200m	.787 MAX	.275 MAX			.215	.137	.100		.017	.049 MAX	.019 MIN		.007 MIN	.330
M200n	.755 .785	.280 MAX			.200	.130 MIN	.090 .110		.015 .023		.020 MIN		.008 .014	.325 .395
M200p	.760	.270			.175	.105 .145	.100		.015 .021		.020 MIN		.007 .013	.300
M200q	.765	.248		.060	.175	.105 .145	.100		.015 .021		.025		.008 .012	.290 .310
M200r	.785 MAX	.280 MAX	.025	.055 .065	.200 MAX	.125 MIN	.090 .110		.016 .020	.050 MAX	.020 .070	.290 .320	.008 .012	.360 .400
M200s	.785 MAX	.280 MAX	.025 RAD	.055 .065	.200 MAX	.125 MIN	.090 .110		.016 .020	.050 MAX	.020 .070	.290 .320	.008 .012	.360 .410
M200t	.760 .785	.250		.060 TYP	.180 MAX	.130	.092 .108		.020 TYP	.020	.040 TYP	.300 NOM	.010 TYP	
M200u	.740 .780	.240 .270		.057 .063	.170 .200	.115 .135	.090 .110		.015 .020	.015 .035	.035	.290 .325	.008 .012	
M200v	.755 .785	.280 MAX		.070 MAX	.165 .215	.125 .165	.090 .110		.015 .023	.015 .050	.020 .040	.290 .315	.008 .014	.325 .395
M200w	.750 .780	.245 .275			.160 .200	.125 .165	.100		.015 .020	.020 .045	.020 .040	.290 .310	.008 .012	
M200x	.755 .785	.280 MAX		.070 MAX	.165 .215	.125 .165	.090 .110		.015 .023	.070 .100	.020 .040	.290 .315	.008 .014	.325 .395
M200y	.787 MAX	.291 MAX			.220 MAX	.129 MAX	.100		.017		.020		.009	.409
M200z	.740 .785	.240 .280		.035 .065	.150 .200	.125 .165	.090 .110		.015 .023		.020 .040	.290 .310	.008 .012	
M200aa	.750 .780	.245 .275		.055 .065	.160 .200	.125 .160	.100 BSC		.015 .020	.020 .045	.020 .040	.290 .310	.008 .012	

M-204

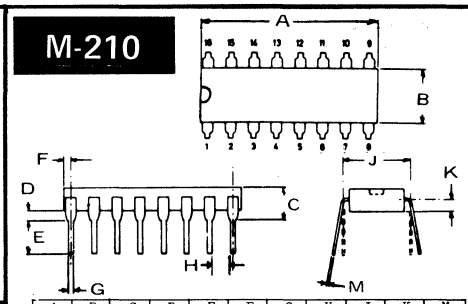


M-207



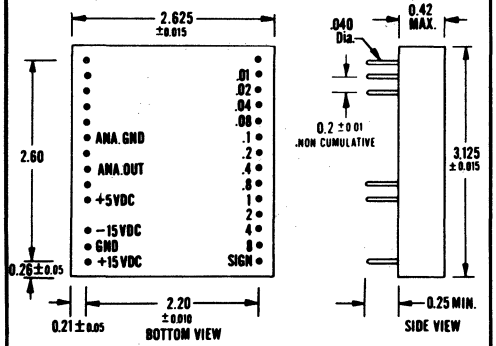
	REMARKS
M 207	LEAD FRAME MAY BE ATTACHED AS SHOWN OR ON BOTTOM
M 207a	AS SHOWN ONLY

M-210

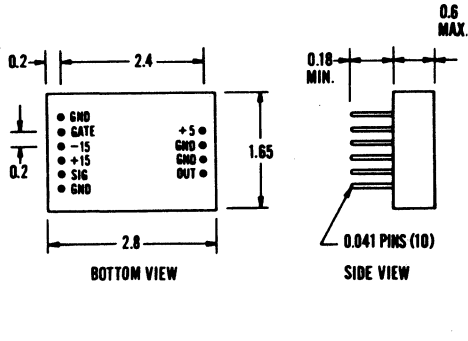


	A	B	C	D	E	F	G	H	J	K	M
M210	.795 MAX	.244 .251	.140	.039	.141	.043	.016 .021	.100	.299	.055	.009
M210a	.866 MAX		.185 MAX	.035 MIN	.104 .150	.086 MAX			.324 MAX		
M210b	.745 .785	.240 .260	.120 .200	.020 .065	.125 .150		.014 .020	.100	.300 .325		.008 .012
M210c	.745 .785	.220 .310	.175 .250	.020 .050	.125 .150		.014 .023	.100	.300 .310		.008 .012
M210d	.725 .825	.220 .325	.220 MAX	.015 MIN	.100		.014 .023	.100 T.P.	.290 .325		.008 .015

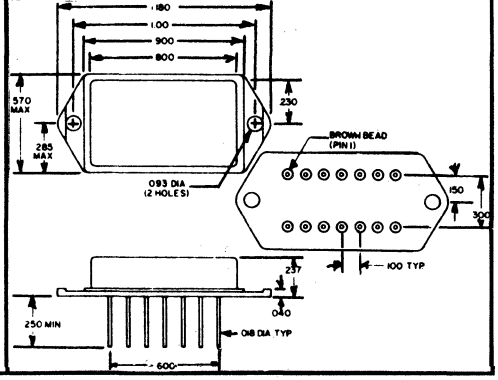
M-211



M-212



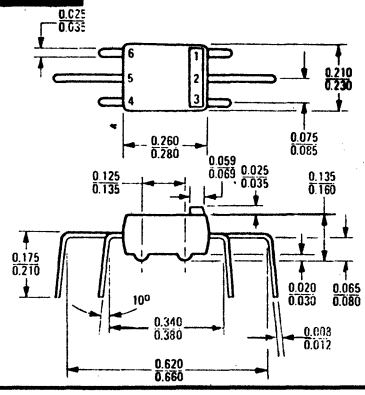
M-219



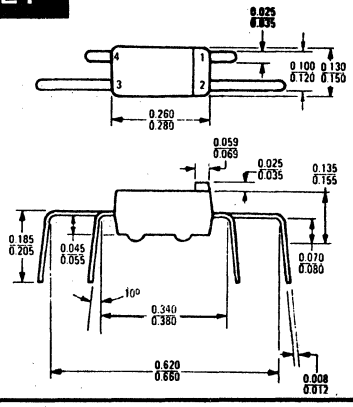
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

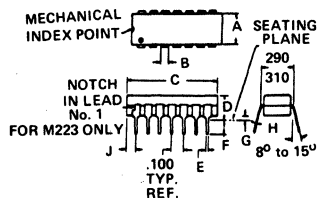
M-220



M-221

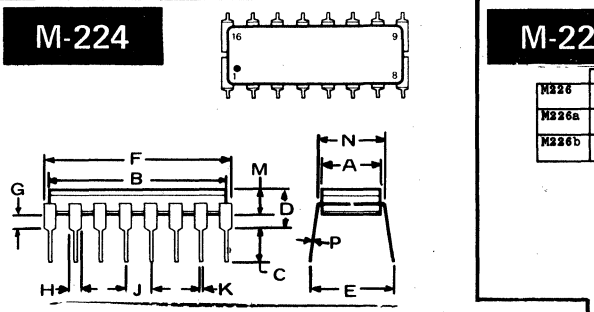


M-223



	A	B	C	D	E	F	G	H	J
M223	.240 .260	.030 .070	.660	.200 MAX	.015 .023	.100 MIN	.020 .030	.008 .015	.065 .085
M223a	.250	.060	.760 .765	.180 MAX	.020	.130	.040	.010	.020
M223b	.250	.060	.760 .765	.180 MAX	.020	.130	.040	.010	.050

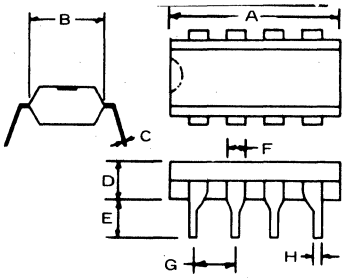
M-224



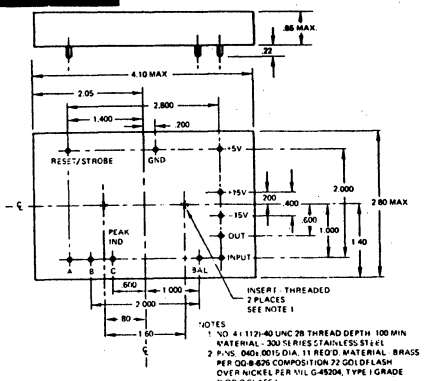
	A	B	C	D	E	F	G	H	J	K	M	N	P
M224	.180 MAX	.700	.125	.265	.350 MAX		.020		.100	.019		.300	.010
M224a	.220 .280	.660 .785	.100 MIN	.200 MAX			.020		.100	.019		.300	.010
M224b	.265 MAX	.725 MAX	.105 .145	.180 MAX	.310 .350		.020		.100	.019		.300	.010
M224c	.235 .265		.100 MIN	.200 MAX	.325 .375	.740 .760	.020 .080	.030 .070	.090 .110	.015 .023	.090 .110	.290 .310	.008 .015

M-226

	A	B	C	D	E	F	G	H
M226	.400	.240 .260	.008 .013	.200 MAX	.125 MIN	.070 MAX	.010	.016 .020
M226a	.374 MAX	.248	.009	.137 MAX	.118 .129		.010	.017
M226b	.413 MAX	.256 MAX	.008 .015	.177	.098 MIN	.034 .067	.099 .101	.016 .024

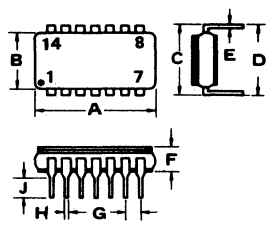


M-234



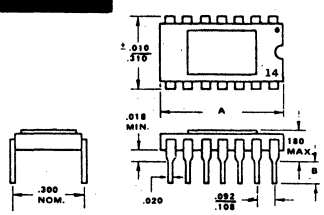
NOTES
1. NO. 4-(.112)-40 UNC 2B THREAD DEPTH .100 MIN MATERIAL - 300 SERIES STAINLESS STEEL
2. P/NS. 040±.0015 DIA. 11 REQ'D. MATERIAL - BRASS PER QQ-B-626 COMPOSITION 72 GOLD FLASH OVER NICKEL PER MIL-G-45204, TYPE I GRADE D OR C CLASS I

M-235



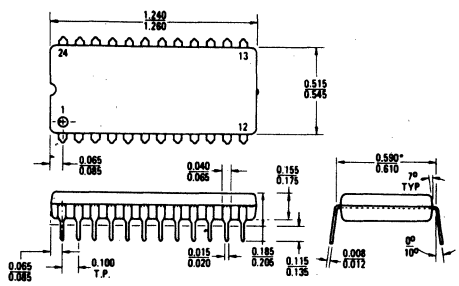
	A	B	C	D	E	F	G	H	J
M235	.730 MAX	.265 MAX	.290 .310	.350 MAX	.008	.095 MAX	.090 .110	.018	.150 MIN
M235a	.785 MAX	.280 MAX	.290 .310	.375		.185	.090 .110	.015	.125
M235b	.715	.270 MAX		.300 .350	.008 .015		.100 TYP	.015 .023	.125 MIN
M235c	.690 .830	.275 .310	.290 .320		.008 .012	.080 .150	.090 .110	.015 .023	.125 .160

M-236



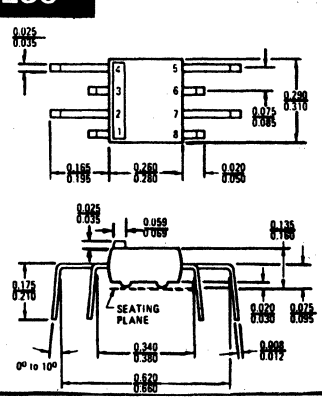
	A	B
M236	.750 MAX	.110 TYP
M236a	.800 MAX	.130 TYP
M236b	.680	.125 MIN

M-237



*Dimension to lead centerline when formed parallel.

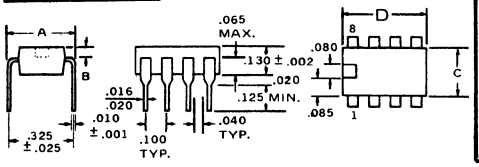
M-238



SECTION 13. OUTLINE DRAWING

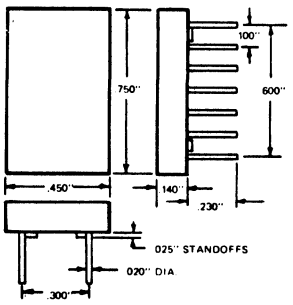
IN DRAWING NUMBER SEQUENCE

M-239

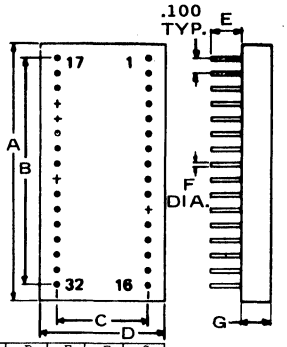


	A	B	C	D	E	F	G	H	J	K	M	N	P
M239	.305 .315	.030	.248 .252	.400 MAX	.300 .350	.128 .132	.145 MIN	.065 MAX	.016 .020	.100 TYP	.040 TYP	.009 .011	.020
M239a	.300 .320	.075 MAX	.245 .255	.400 MAX	.300 .350	.128 .132	.145 MIN	.065 MAX	.016 .020	.100 TYP	.040 TYP	.009 .011	.020
M239b	.300 .320	.030 MAX	.245 .255	.400 MAX	.300 .350	.128 .132	.145 MIN	.065 MAX	.016 .020	.100 TYP	.040 TYP	.009 .011	.020
M239c	.305 .315	.030	.248 .252	.370 .390	.300 .350	.128 .132	.145 MIN	.065 MAX	.016 .020	.100 TYP	.040 TYP	.009 .011	.020
M239d	.290 .310	.060	.245 .252	.365 .375	.300 .350	.128 .132	.145 MIN	.065 MAX	.016 .020	.100 TYP	.040 TYP	.009 .011	.020
M239e	.299 TP		.239 .260	.390 .409	.300 .350	.128 .132	.145 MIN	.065 MAX	.016 .020	.100 TYP	.040 TYP	.009 .011	.020
M239f	.285 .295	.056 .079	.244 .260	.393 .416	.315 .415	.130 .160	.170 .210	.074 .081	.015 .020	.090 .110			

M-244

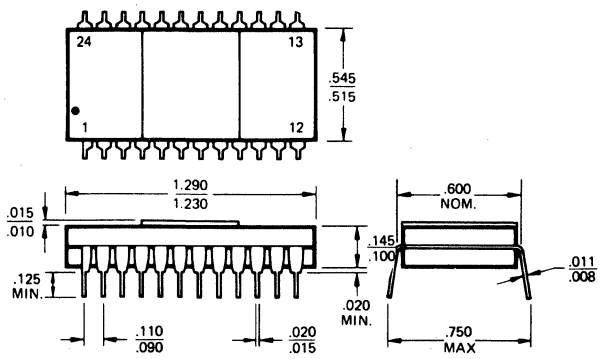


M-245

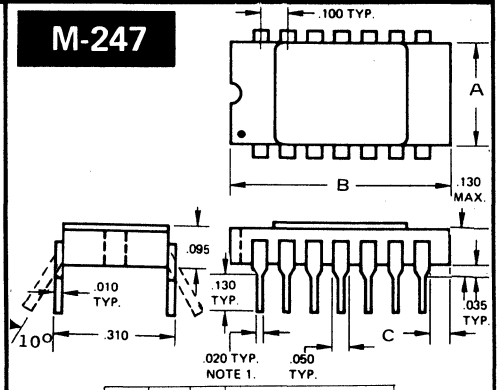


	A	B	C	D	E	F	G
M245	1.690	1.500	.675	.815	.225	.024	.255
	1.710	REF		.835	.275	.027	.265
M245a	1.690	1.500	.600	.815	.225	.024	.255
	1.710	REF		.835	.275	.027	.265
M245b	1.700	1.600		.900	.230	.020 MAX	.200 MAX

M-246

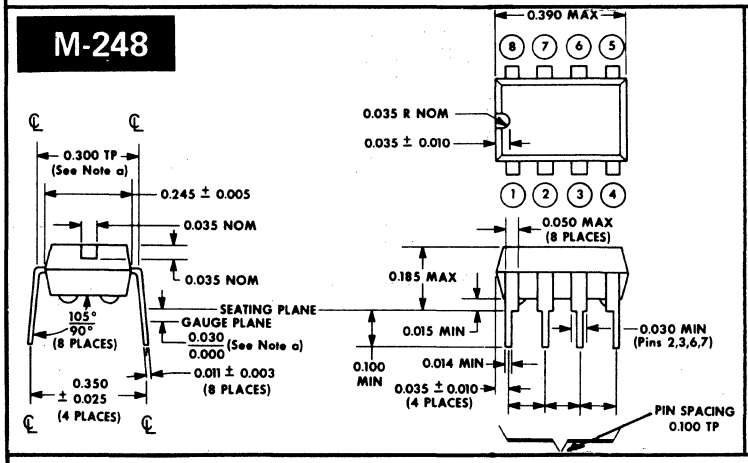


M-247

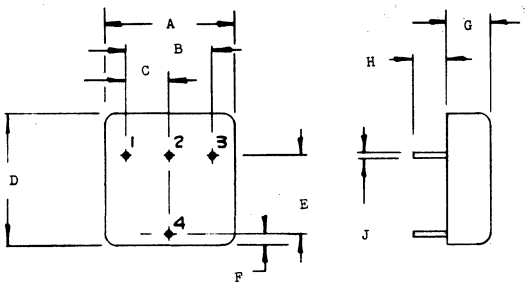


	A	B	C	REMARKS
M247	.283	.748	.049	STANDARD LEADS ONLY
M247a	.290 MAX	.800 MAX	.049 .073	LEADS OPTIONAL AS SHOWN

M-248

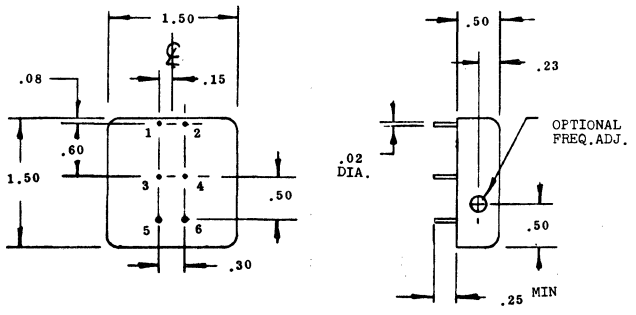


M-250

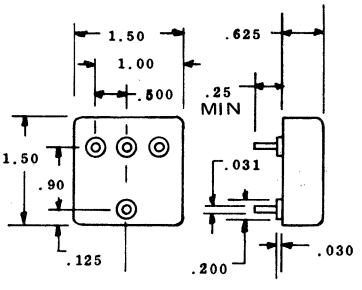


	A	B	C	D	E	F	G	H	J
M-250	1 1/2	1.00	.500	1 1/2	.900	1/8	1/2	.400 MIN	.040
M-250a	1.50	1.00	.500	1.50	1.00		.300	.380 MIN	.040
M-250b	.970	.800	.400	.970	.500		.500	.250 MIN	.030

M-251



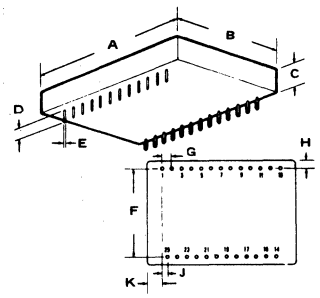
M-253



SECTION 13. OUTLINE DRAWING

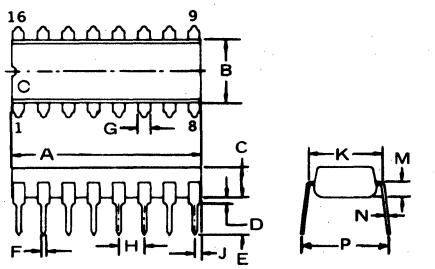
IN DRAWING NUMBER SEQUENCE

M-254



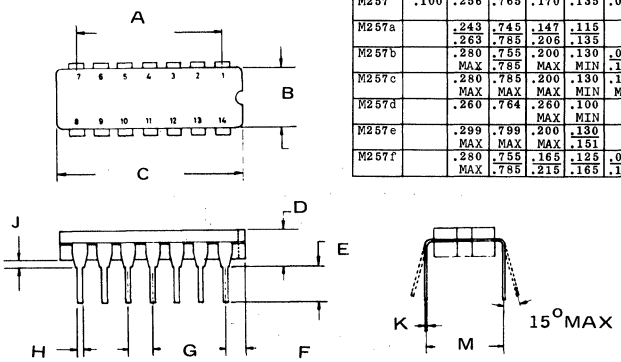
	A	B	C	D	E	F	G	H	J	K
M254	3.00 MAX	2.10 MAX	.400 MAX	.200 MIN	.040	1.80	.200	.150	.100	.300
M254a	3.12	2.62	.600 .625	.250 MIN		2.2	.200	.212		.262

M-256



	A	B	C	D	E	F	G	H	J	K	M	N	P
M256	.745 .755	.245 .252	.115 .125	.015 .035	.135 .165	.015 .021	.044 .052	.090 .110	.065 .085	.290 .310	.067 .068	.010 .015	.325 .375
M256a	.748	.251	.144	.031	.110	.019	.031	.100		.299		.009	.299

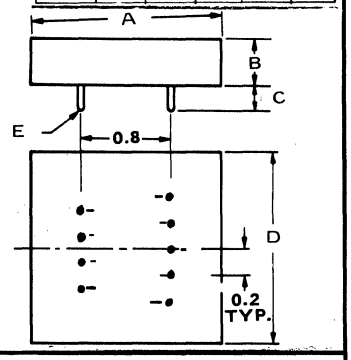
M-257



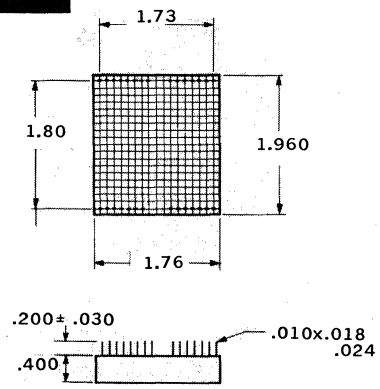
	A	B	C	D	E	F	G	H	J	K	M	REMARKS
M257	.100	.256	.765	.170	.135	.085	.100	.019	.021 .036	.009 .012	.300	NOTCH
M257a		.243 .263	.745 .785	.147 .206	.115 .135		.099 .101	.016 .020	.020 .040	.010 .012	.300	NOTCH
M257b		.250 MAX	.755 .785	.200 MAX	.130 MIN	.070 .100	.090 .110	.015 .023	.020 MIN	.008 .014	.325 .395	NO NOTCH
M257c		.280 MAX	.785 MAX	.200 MAX	.130 MIN	.100 MAX	.090 .110	.016 .020	.020 .070	.008 .012	.285 .325	NOTCH
M257d		.260	.764	.260 MAX	.100 MIN		.100	.019	.032 MIN	.008 .014	.300	NOTCH
M257e		.299 MAX	.799 MAX	.200 MAX	.130 .151		.100	.016 .020	.019			NOTCH
M257f		.280 MAX	.755 .785	.165 .215	.125 .165	.070 .100	.090 .110	.015 .023	.020 .040	.008 .014	.290 .315	NO NOTCH

M-258

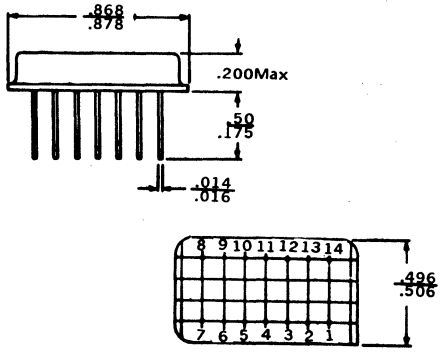
	A	B	C	D	E
M258	1.75	.400	.220 MAX	1.75	.040
M258a	1.12	.375	.250 MIN	1.12	



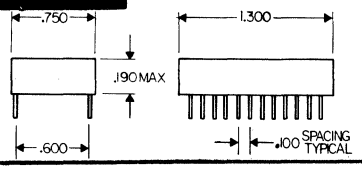
M-259



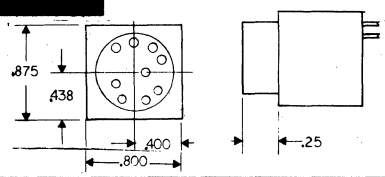
M-260



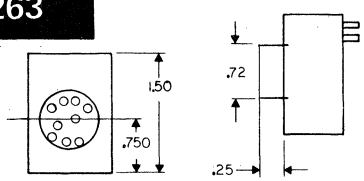
M-261



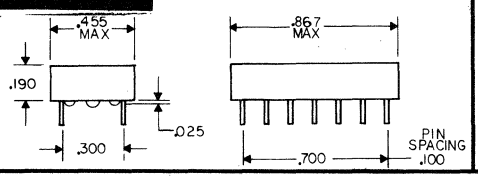
M-262



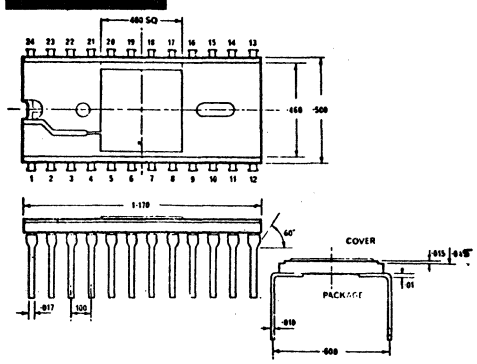
M-263



M-264



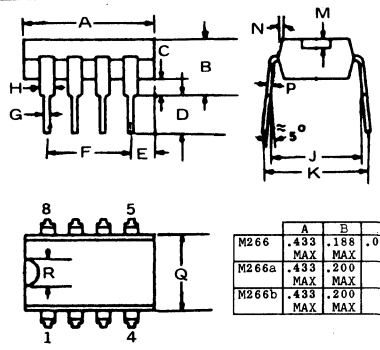
M-265



SECTION 13. OUTLINE DRAWING

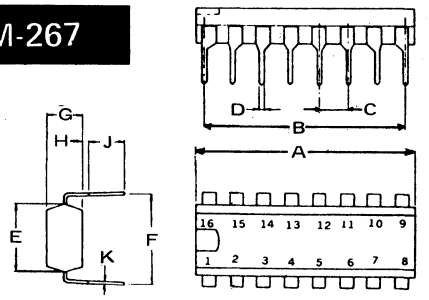
IN DRAWING NUMBER SEQUENCE

M-266



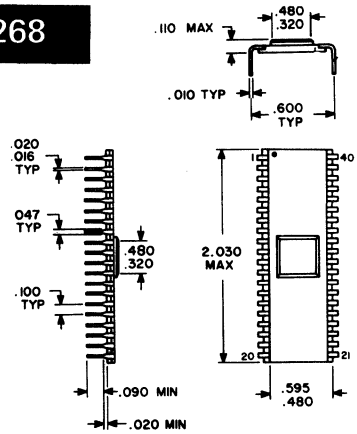
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R
M266	.433 MAX	.188 MAX	.055	.110	.065	.300 MAX	.019	.043	.300	.334	.031	15°	.010	.250	.098
M266a	.433 MAX	.200 MAX		.125 MIN	.067 MAX		.020		.300			15°	.010	.252	
M266b	.433 MAX	.200 MAX		.110 MAX	.067 MAX		.020		.300			15°	.010	.252	

M-267

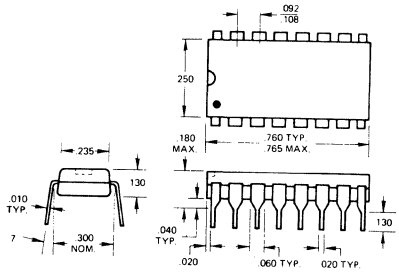


	A	B	C	D	E	F	G	H	J	K
M267	.787 MAX		.100	.017	.255 MAX	.330	.129	.019 MIN	.137	.007 MIN
M267a	.740		.100	.018	.252 MAX	.330 .370	.126 MAX	.025	.125 MAX	.009 .011
M267b	.740 .760		.090 .110	.016 .020	.240 .260	.375 NOM	.185 NOM	.015 NOM	.100 .150	.009 .011
M267c	.787 MAX	.699	.100	.017	.279 MAX	.329	.180	.020	.129	.009

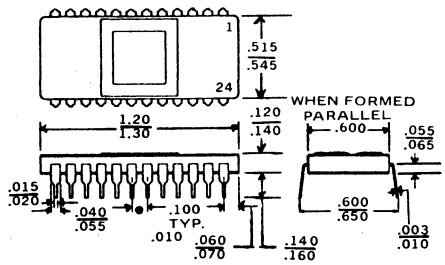
M-268



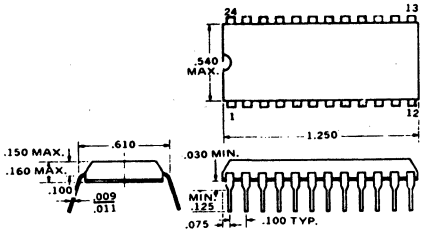
M-269



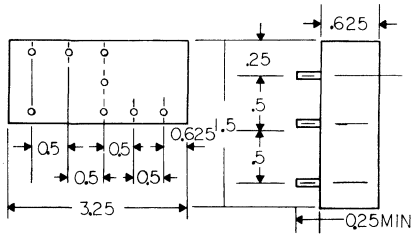
M-270



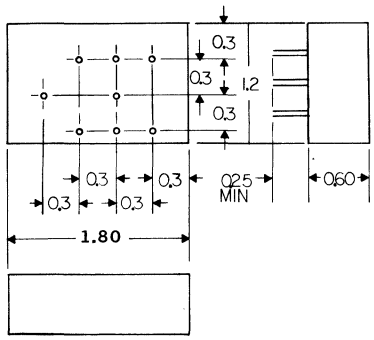
M-274



M-275



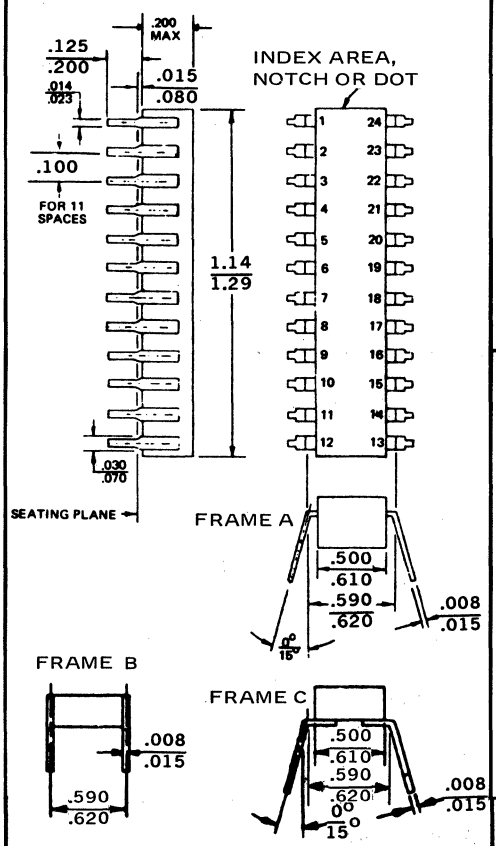
M-276



SECTION 13. OUTLINE DRAWING

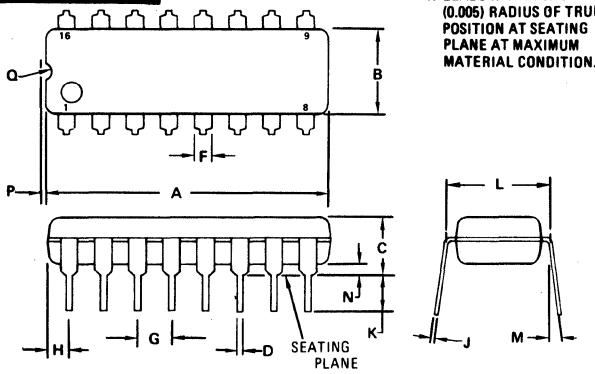
IN DRAWING NUMBER SEQUENCE

M-277



	REMARKS
M277	AS SHOWN, LEAD FRAME IS OPTIONAL
M277a	NOTCH, FRAME A ONLY

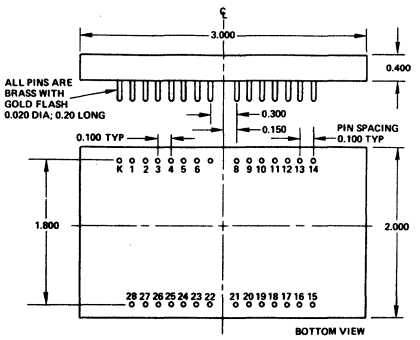
M-278



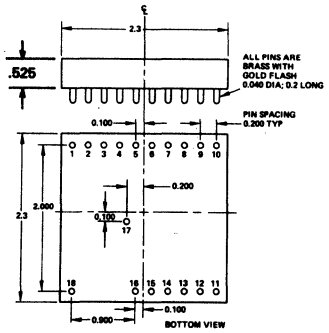
NOTES:
1. LEADS WITHIN 0.13 mm (0.005) RADIUS OF TRUE POSITION AT SEATING PLANE AT MAXIMUM MATERIAL CONDITION.
2. DIMENSION "L" TO CENTER OF LEADS WHEN FORMED PARALLEL

DIM	MILLIMETERS MIN	MILLIMETERS MAX	INCHES MIN	INCHES MAX
A	20.70	21.34	0.815	0.840
B	6.10	6.60	0.240	0.260
C	4.06	4.57	0.160	0.180
D	0.38	0.51	0.015	0.020
F	1.02	1.52	0.040	0.060
G	2.54 BSC		0.100 BSC	
H	1.32	1.83	0.052	0.072
J	0.20	0.30	0.008	0.012
K	2.92	3.43	0.115	0.135
L	7.37	7.87	0.290	0.310
M	–	10°	–	10°
N	0.51	1.02	0.020	0.040
P	0.13	0.38	0.005	0.015
Q	0.51	0.76	0.020	0.030

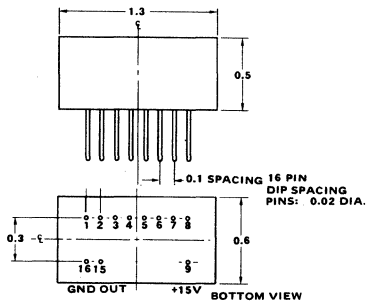
M-283



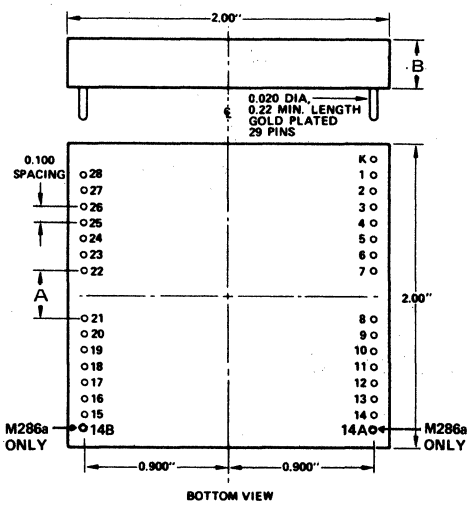
M-284



M-285

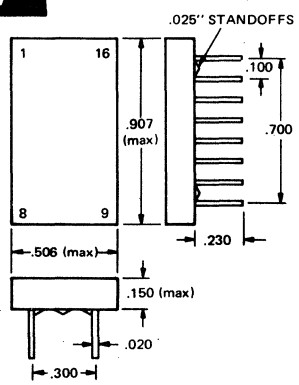


M-286

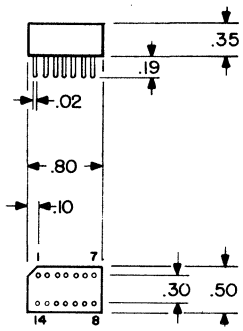


	A	B
M286a	.300	.400
M286b	.200	.375

M-287



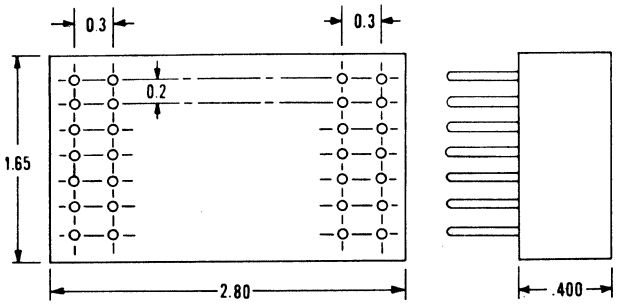
M-288



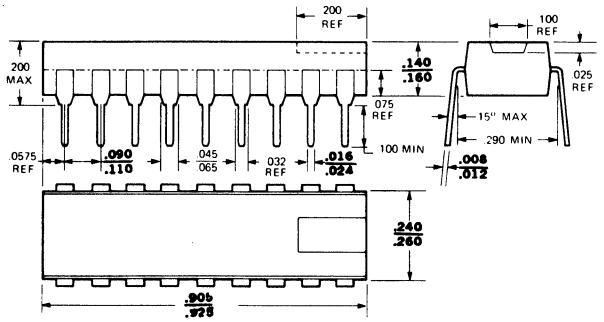
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

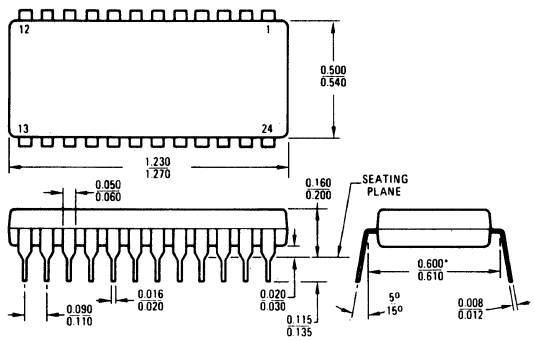
M-289



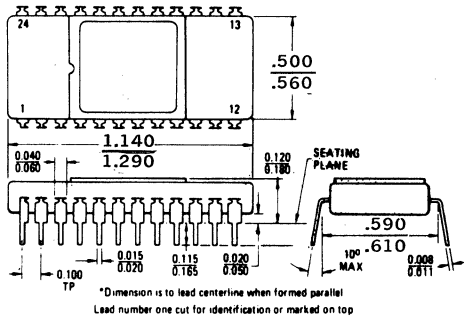
M-290



M-291



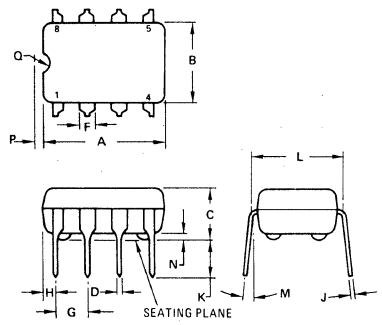
M-292



*Dimension is to lead centerline when formed parallel

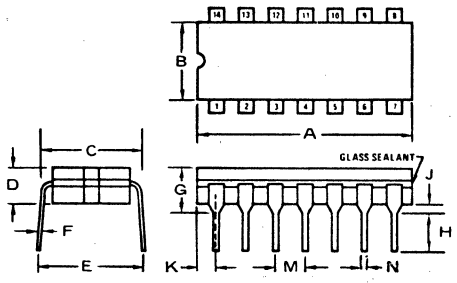
Lead number one cut for identification or marked on top

M-293



	A	B	C	D	F	G	H	J	K	L	M	N	P	Q
M293	.370	.240	.135	.015	.030	.100	.045	.008	.115	.290	0°	.020		.030
	.390	.250	.155	.019	.060	T.P.	MAX	.011	.135	.310	10°	NOM		.040
M293a	.370	.240	.155	.015	.040	.100	.030	.008	.115	.290	10°	.020	.005	.030
	.400	.260	.175	.020	.060	BSC	.050	.012	.135	.310		NOM	.015	.040

M-294

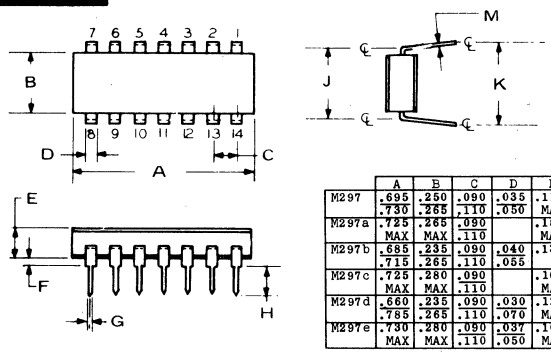


	A	B	C	D	E	F	G	H	J	K	M	N
M294	.590 MIN	.275 MAX		.196	.330	.007 MIN		.137	.019 MIN		.100	.017
M294a	.785 MAX	.280 MAX	.310 MAX	.160 MAX	.300 .370	.008 .014	.175	.130 MIN	.020	.100 MAX	.090 .110	.015 .023
M294b	.785 MAX	.280 MAX	.300		.370 MAX	.009 .012	.200 MAX	.115	.020 MIN		.100	.015 .021
M294c	.740 .800		.324 MAX		.299	.001 .011	.199 MAX	.100 .149	.014 MIN	.049 .100	.100	.014 .020
M294d	.787 MAX	.291 MAX			.409	.009	.220 MAX	.129	.020 MIN		.100	.017
M294e	.740 .780	.240 .270	.290 .325	.135 .165		.008 .012	.170 .200	.115 .135	.030 .055	.070 .090	.090 .110	.015 .020
M294f	.785 MAX	.280 MAX	.290 .320	.160 MAX	.360 .410	.008 .012	.200 MAX	.125 MIN	.020 .070	.100 MAX	.090 .110	.016 .020
M294g	.700	.250	.300			.008 .012	.140	.130	.060		.100	.016 .020
M294h	.640 .786	.220 .310			.290 .320	.008 .015	.200 MAX	.125 .200	.015 .080		.090 .110	.014 .023

SECTION 13. OUTLINE DRAWING

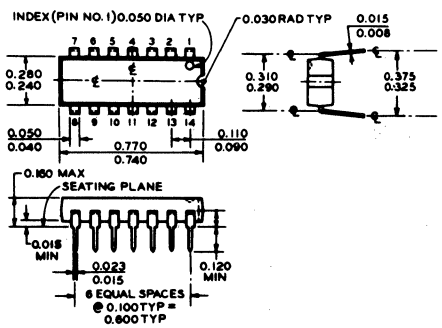
IN DRAWING NUMBER SEQUENCE

M-297

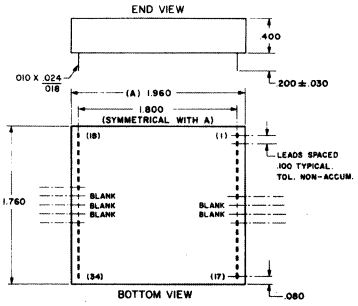


	A	B	C	D	E	F	G	H	J	K	M
M297	.695 .730	.250 .265	.090 .110	.035 .050	.110 MAX	.050 MIN	.014 .020	.120 MIN	.300	.325 .375	.008 .010
M297a	.725 MAX	.265 MAX	.090 .110		.180 MAX	.020	.015 .019	.105 .145	.320 MAX	.310 .350	.010
M297b	.685 .715	.235 .265	.090 .110	.040 .055	.130	.020 MIN	.017 .023	.150	.290 .310	.290 .310	
M297c	.725 MAX	.280 MAX	.090 .110		.105 MAX	.040 .075	.015 .019	.105 .145	.320 MAX	.310 .350	.008 .011
M297d	.660 .785	.235 .265	.090 .110	.030 .070	.120 MAX	.020 .080	.015 .023	.100 MIN	.290 .310	.325 .375	.008 .011
M297e	.730 MAX	.280 MAX	.090 .110	.037 .050	.105 MAX	.030 .060	.015 .019	.125 MIN	.310 MAX	.310 .350	.008 .012

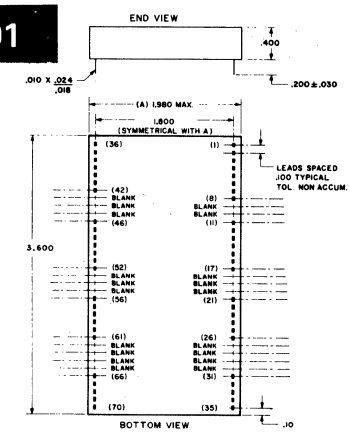
M-298



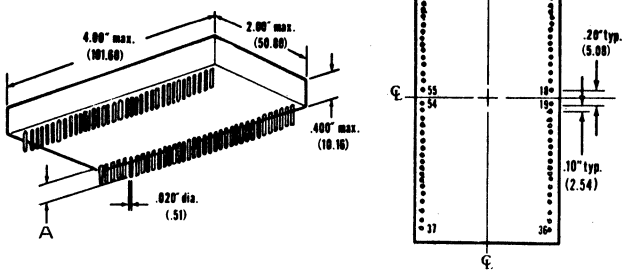
M-300



M-301

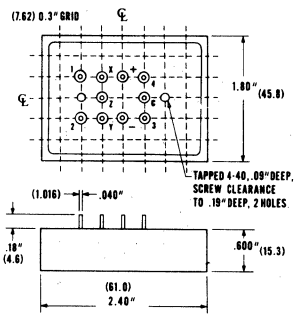


M-302



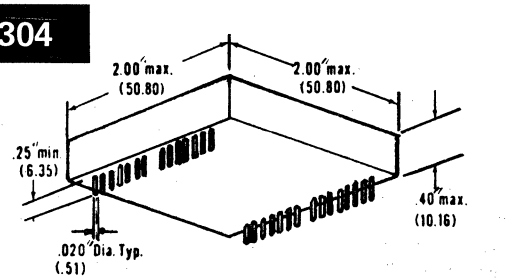
	A	PINS USED (ALL OTHER PINS MISSING)
M302	.200 MIN	7-18,21,24,26,28,31,38-42,44-47,49,51,53,57,59,60,62,64,66,68-9
M302a	.250 MIN	1-4,9-12,22,28,30,32,34,36,42-3,45-9,53,71
M302b	.200 MIN	1,18-9,36-7,54-5,72
M302c	.220 MIN	1-3,19-23,25,27,29-30,32-6,38,43,48,50,52-6,58,61,63,65,67,70-2
M302d	.250	1-4,9-12,16-19,23-26,28,30,32,34,43-49,52-66,68-72
M302e	.200	1-6,19-20,22-3,25,7,9-30,32-6,37,43,48,50,2,4,6,8,61,3,5,7,70-2
M302f	.220 MIN	1,3-5,9,11,13,15,17,18,20,2,4,6,8,30,24,6,7,50-1,3,5-6,8,62-8,70,2
M302g	.220 MIN	1-5,18-25,29-37,47-8,51-4,63-4,66-7,69-70
M302h	.220 MIN	6,8,11,18-9,22,4,6,8,30,2,4,6,8,9,42,6,7,8,72
M302j	.220 MIN	1,4,7,10,3,6,8,20,2,4,6,8,30;4,6-9,41,3,5-7,51,69,70-2
M302k	.220 MIN	1,3,5-12,17-8,20-2,30,35,37,40,42,3,49-61,63,5,6,68,70,72
M302m	.220 MIN	1,6,15,9,22,32,8,40,2,4,7,9,51,3,6,8,60,2-5,7-8,70
M302n	.200 MIN	1,4,8-9,12-3,17,19-20,23,6,8-9,34-5,38-40,5,61-3,8-71
M302p	.200 MIN	1-4,9-12,16-19,22,28,30,2,4,6,42-3,45-9,53,71
M302q	.200	1-6,19-20,22,3,25,27,29,30,32-4,36,43,48,50,2,4,6,8,61,3,5,7,70-2
M302r	.200	1,3,6,19,22,25,27,29,32,36,43,46,48,50,52,54,56,58,61,63,65,67,70,72

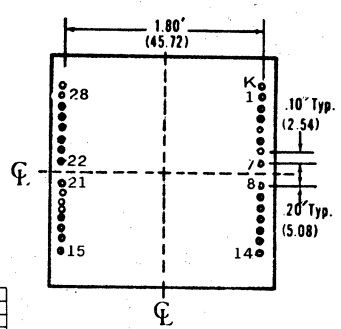
M-303



	PINS									
	1	2	3	4	5	6	7	8	9	10
M303	1	X	+	4	Z	C	2	Y	-	3
M303a	1	X	+	NA	Z	4	2	Y	-	NA

M-304





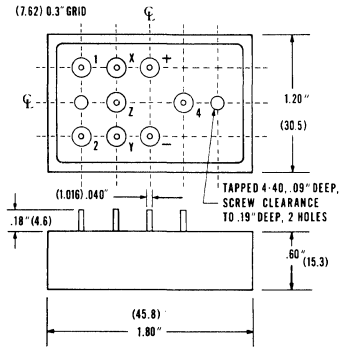
BOTTOM VIEW

	PINS USED (ALL OTHER PINS MISSING)
M304	K,1-3,5,7-18,21-8
M304a	1-14,24,27-29
M304b	K,1,4,10,12,14-5,17,24,26,28
M304c	1,4-7,8-11,12,15-20 (CONSULT MFR. FOR EXACT PLACEMENT)
M304d	4-7,8-11,16-21,22-27 (CONSULT MFR. FOR EXACT PLACEMENT)
M304e	5-7,8-14,15-16,24-28 (CONSULT MFR. FOR EXACT PLACEMENT)
M304f	K,1-12,15-18,21-24,27
M304g	K,1,2,3,5,7,8-14,15-18,20-28 (CONSULT MFR. FOR EXACT PLACEMENT)
M304h	K,1,3,8,10,12,15,17,19,21,24,28 (CONSULT MFR. FOR EXACT PLACEMENT)

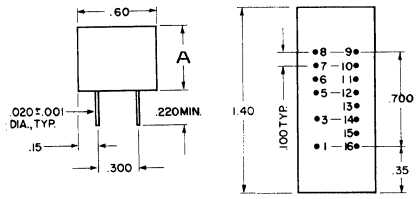
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

M-305

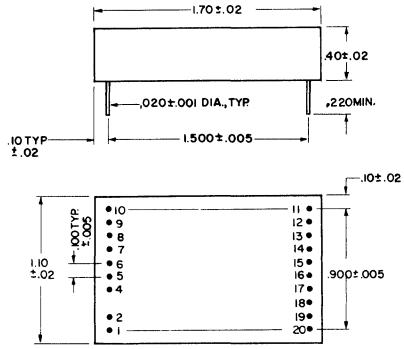


M309

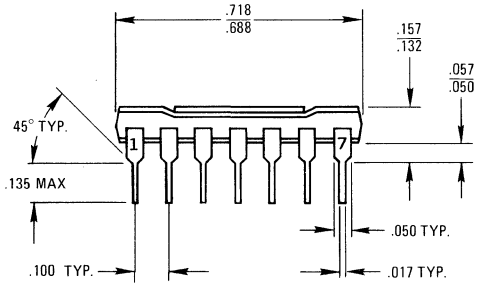


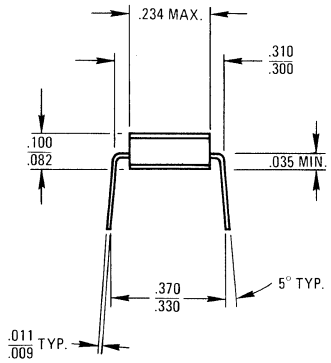
	A	PINS USED (ALL OTHERS MISSING)
M309	.400	1-16
M309a	.490	1,3,5-16
M309b	.400	1-2,4,9,13,15-16
M309c	.500	1-9,15-6

M310

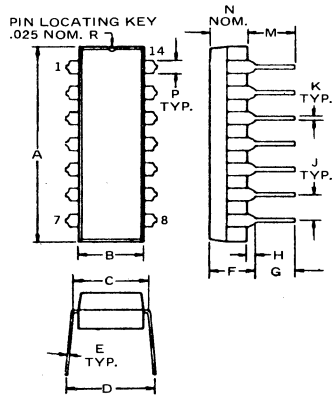


M312



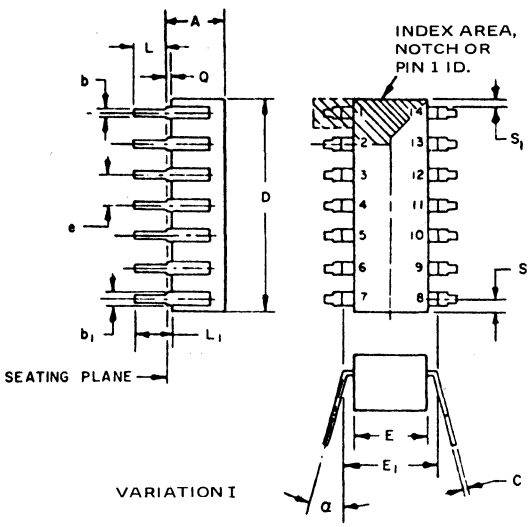


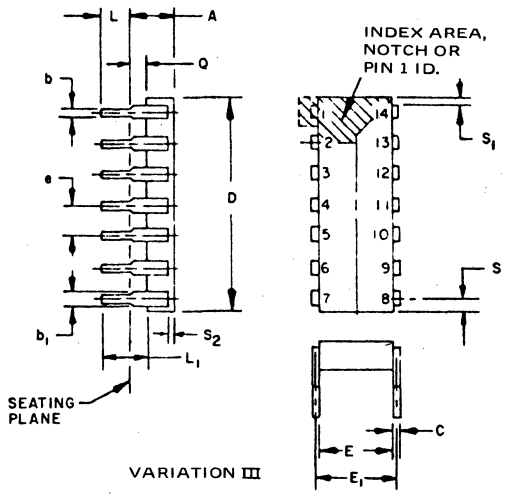
M313



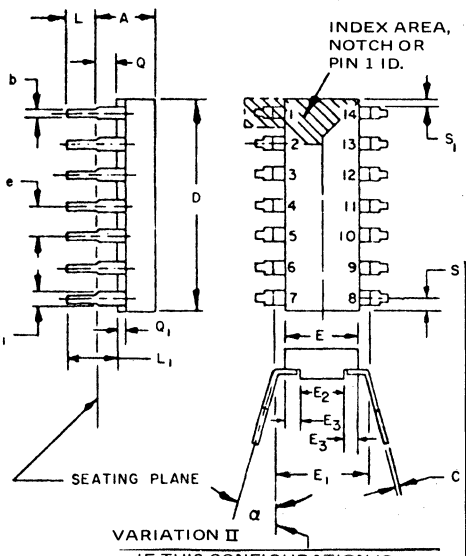
	A	B	C	D	E	F	G	H	J	K	M	N	P
M313	.740	.252 MAX	.300 .310	.330 .370	.009 .011	.156 MAX	.125 MAX	.025	.100	.018			.060
M313a	.755 .775	.235 .255	.290 .310	.350 .400	.009 .012	.170 MAX	.140 MAX	.020 .030	.090 .110	.015 .018	.180 MAX	.140	.045 .060
M313b	.775 MAX	.275 MAX	.300	.350 MAX	.0098 .0102	.200 MAX	.100 MIN	.020 MIN	.100	.015 .021			.060

M314



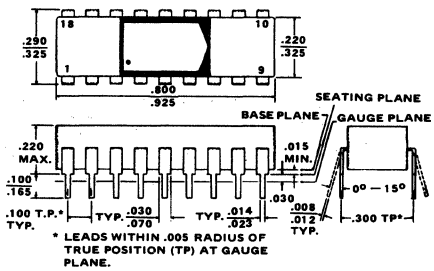


SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A		.200		5.08
b	.014	.023	.36	.58
b_1	.030	.070	.76	1.78
c	.008	.015	.20	.38
D		.796		20.22
E	.220	.310	5.59	7.87
E_1	.290	.320	7.37	8.13
E_2	.100		2.54	
E_3	.050		1.27	
e	.100 BSC		2.54 BSC	
L	.125	.200	3.18	5.08
L_1	.150		3.81	
Q	.015	.060	.38	1.52
Q_1	.020		.51	
S		.098		2.49
S_1	.005		.13	
S_2	.005		.13	
α	0°	15°	0°	15°

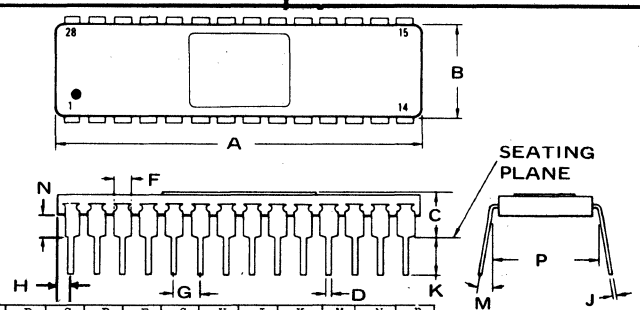


IF THIS CONFIGURATION IS USED — NO ORGANIC OR POLYMERIC MATERIALS SHALL BE MOLDED TO BOTTOM OF THE PACKAGE TO COVER THE LEADS.

M315



M316

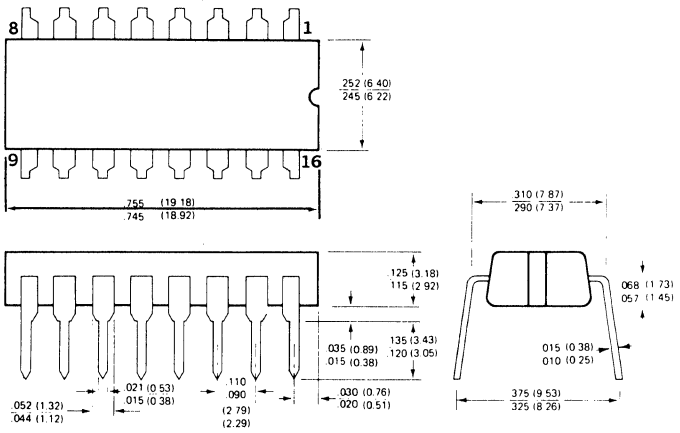


	A	B	C	D	F	G	H	J	K	M	N	P
M316	1.480 MAX	.500 .545	.120 .150	.015 .020	.040 .060	.100 T.P.		.009 .012	.115 .165	10° MAX	.015 .050	.600 T.P.
M316a	1.345 1.355	.500 .545	.120 .155	.015 .020	.035 .055	.100 BSC	.035 .055	.008 .011	.115 .145	15° MAX	.020 .040	
M316b	1.370	.500		.014 .020		.090 .110		.008 .012	.100 MIN			.600
M316c	1.380 1.420	.568 .600	.100 .200	.015 .023		.090 .110		.008 .012	.125 .200		.020 .060	.590 .620
M316d	1.40		.150	.018		.100		.010	.135	8°		.600

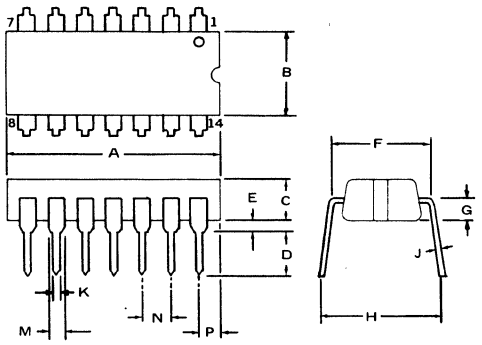
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

M317

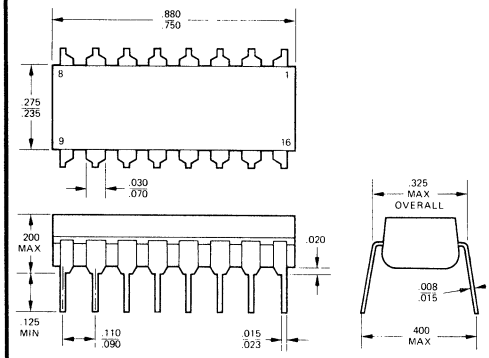


M318

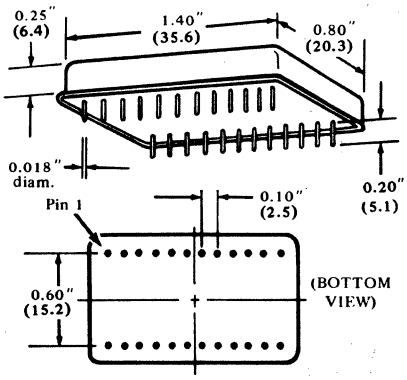


	A	B	C	D	E	F	G	H	J	K	M	N	P	REMARKS
M318	.745 .755	.245 .252	.115 .125	.120 .135	.015 .035	.290 .310	.057 .068	.325 .375	.025 .038	.015 .021	.044 .052	.090 .110	.065 .085	NOTCH ONLY
M318a	.748	.251	.143	.110	.031	.299		.299	.009	.019	.031	.100		NOTCH AND PIN DESIG.

M319

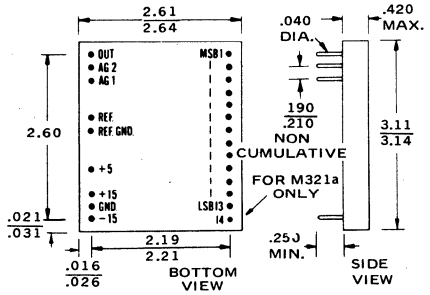


M320

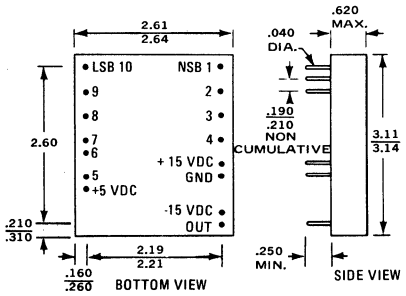


	A	B	C	D	E	F	G
M320	.250	1.400	.800	.018	.200	.100	.600
M320a	.220	1.400	.800	.018	.200	.100	.600
M320b	.150	1.300	.800	.020	.230	.100	.600

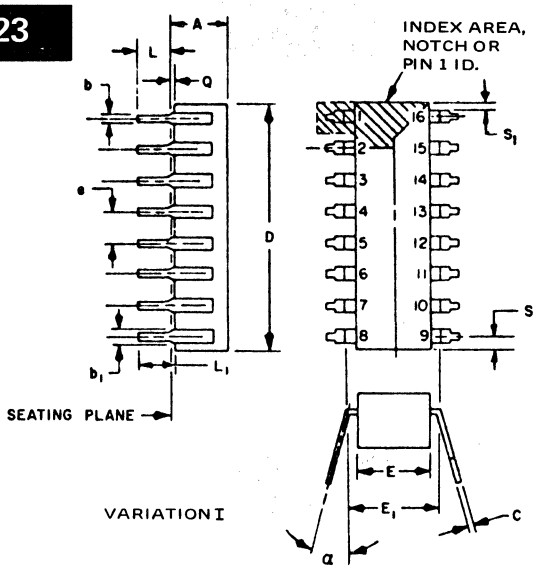
M321

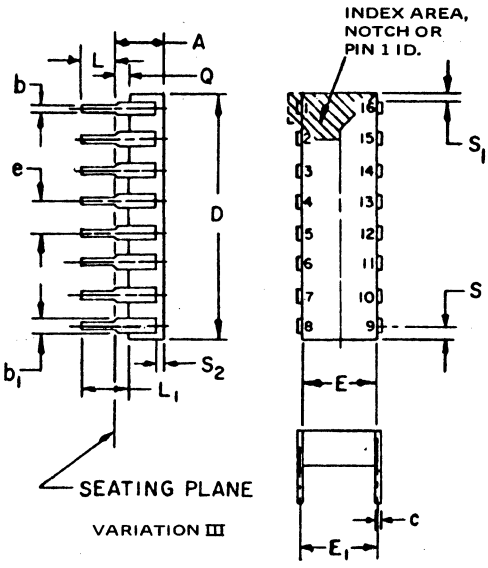


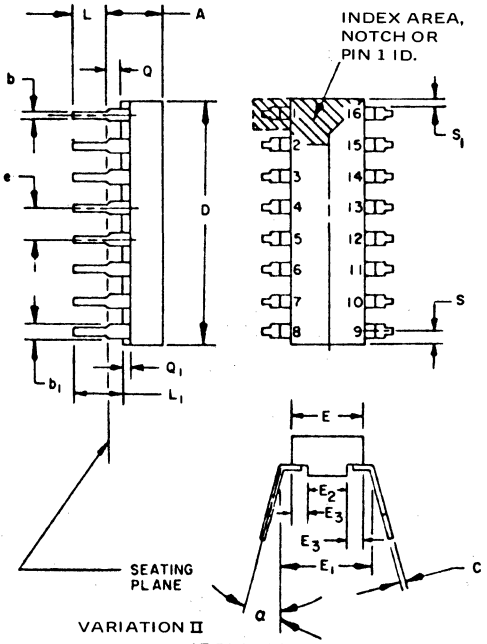
M322



M323



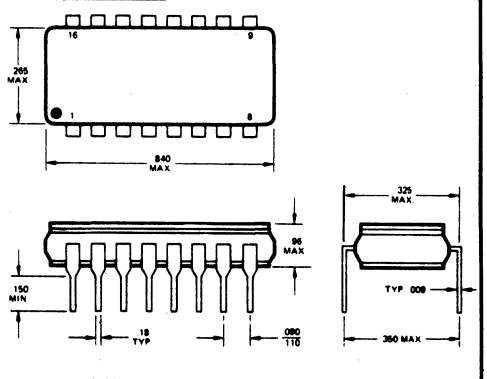




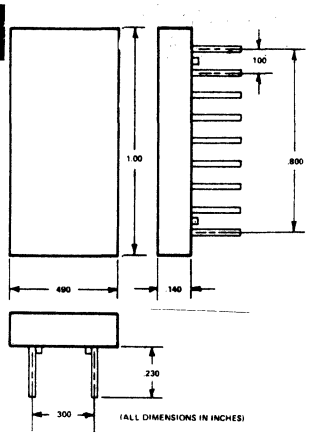
IF THIS CONFIGURATION IS USED — NO ORGANIC OR POLYMERIC MATERIALS SHALL BE MOLDED TO BOTTOM OF THE PACKAGE TO COVER THE LEADS.

SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A		.200		5.08
b	.014	.023	.36	.58
b_1	.030	.070	.76	1.78
c	.008	.015	.20	.38
D		.896		22.76
E	.220	.310	5.59	7.87
E_1	.290	.320	7.37	8.13
E_2	.100		2.54	
E_3	.050		1.27	
e	.100 BSC		2.54 BSC	
L	.125	.200	3.18	5.08
L_1	.150		3.81	
Q	.015	.060	.38	1.52
Q_1	.020		.51	
S		.098		2.49
S_1	.005		.13	
S_2	.005		.13	
α	0°	15°	0°	15°

M324



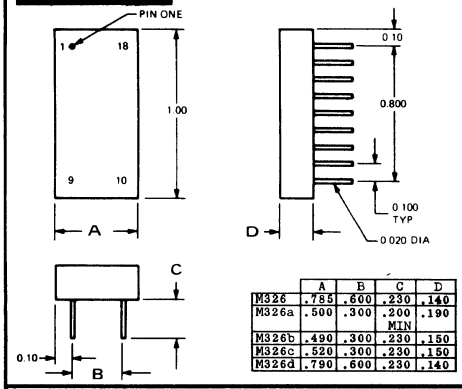
M325



SECTION 13. OUTLINE DRAWING

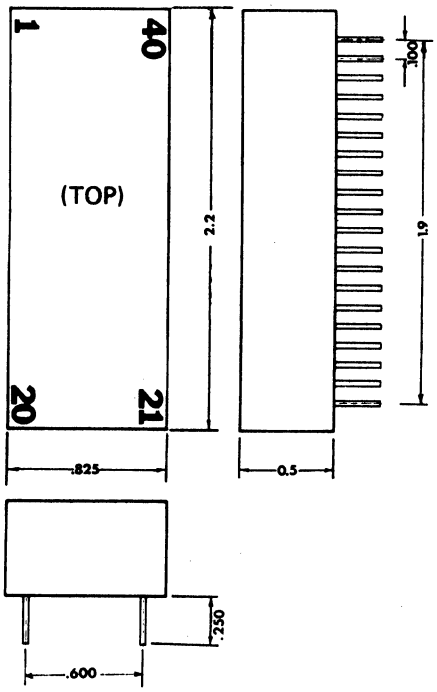
IN DRAWING NUMBER SEQUENCE

M326

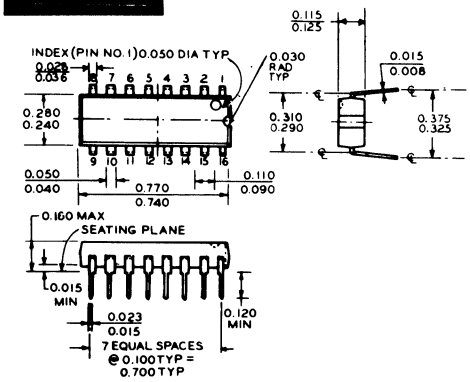


	A	B	C	D
M326	.785	.600	.230	.140
M326a	.500	.300	.200 MIN	.190
M326b	.490	.300	.230	.150
M326c	.520	.300	.230	.150
M326d	.790	.600	.230	.140

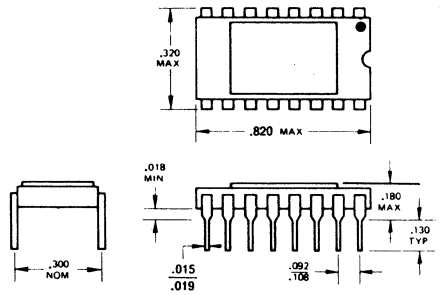
M327



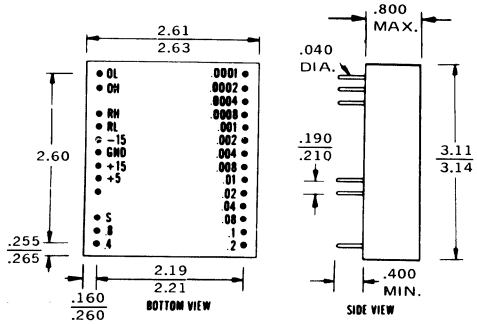
M328



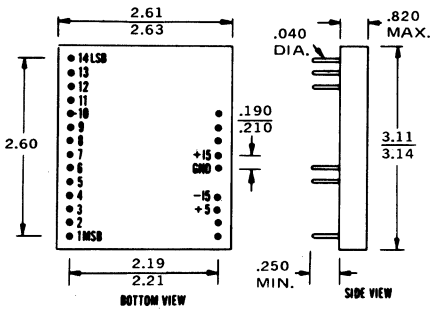
M330



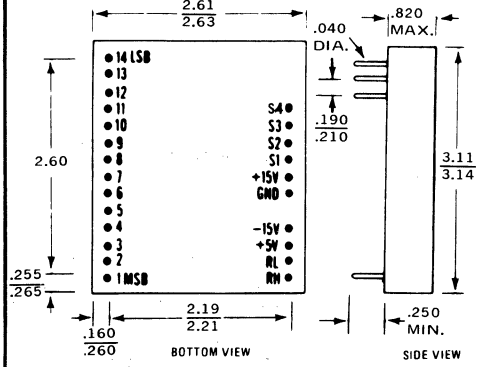
M331



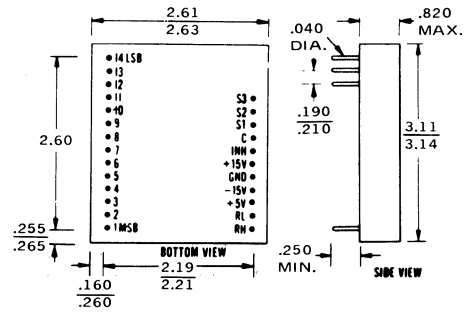
M332



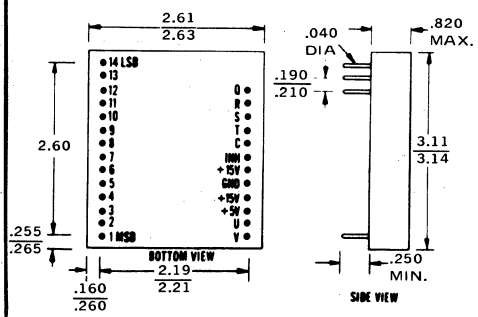
M333



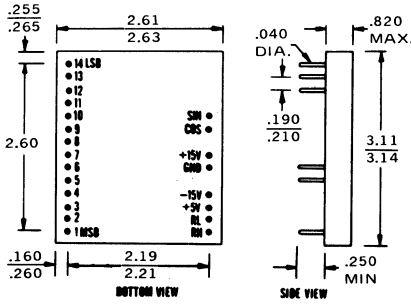
M334



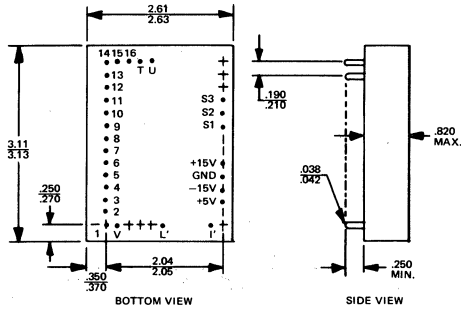
M335



M336



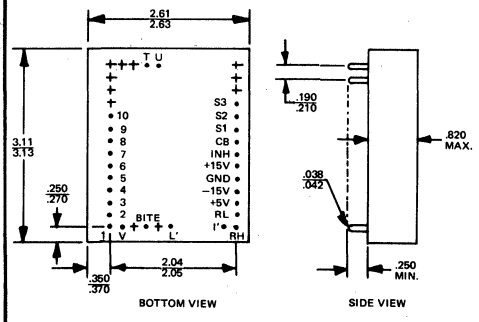
M337



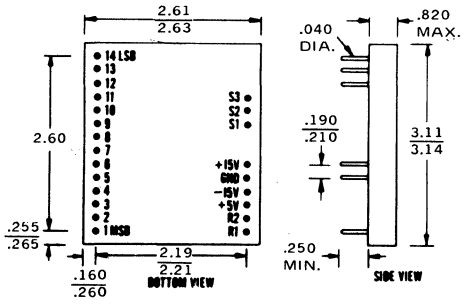
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

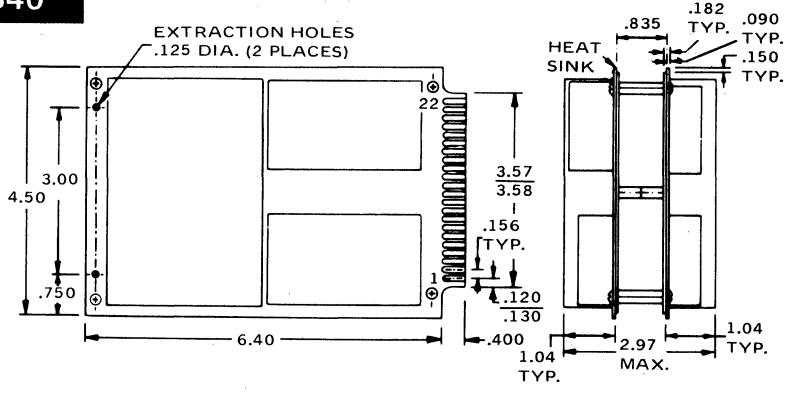
M338



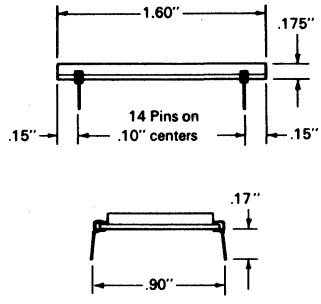
M339



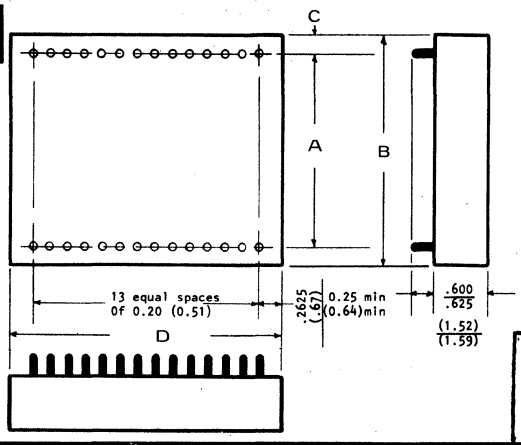
M340



M342

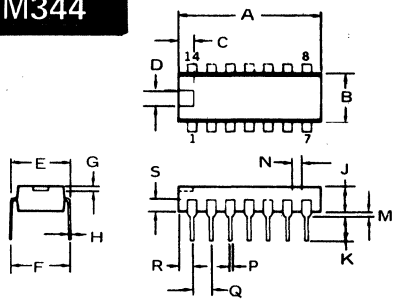


M343



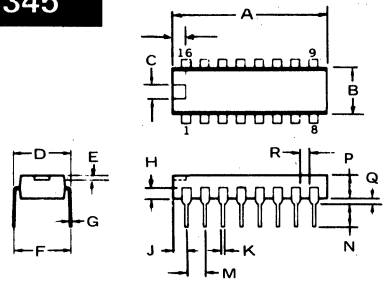
	A	B	C	D
M343	2.200	2.625	.2125	3.125
M343a	1.000	1.500	.250	3.250

M344



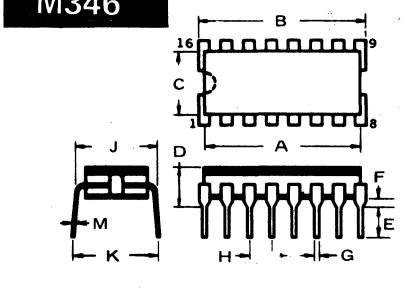
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	REMARKS
M344	.770	.245	.080	.080	.300	.310	.030	.009	.125	.125	.020	.040	.015	.100	.060	.065	
	MAX	.255			.320	.350	MAX	.015	.135	MIN	MIN		.021		.090		
M344a	.745	.245			.290	.325		.009	.125	.125	.020		.016	.090			
	.755	.255			.300	.375		.011	.135	MIN			.022	.110			
M344b	.700	.230			.290			.008	.090	.125	.020		.015	.090			NO NOTCH
	.785	.270			.310			.012	.150	.150	.050		.023	.110			

M345



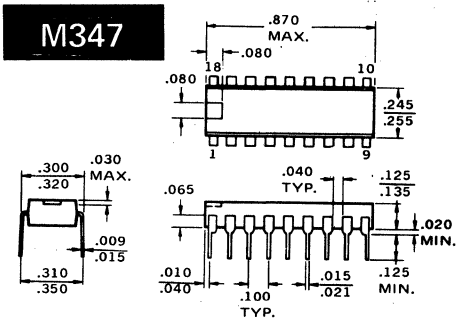
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R
M345	.870	.245	.080	.300	.030	.310	.009	.065	.060	.015	.100	.125	.125	.020	.040
	MAX	.255		.320	MAX	.350	.015		.090	.021		MIN	.135	MIN	
M345a	.890	.260	.040		.030	.310	.008		.030	.065	.090	.125	.140	.035	
	MAX	MAX				.350	.012			.085	.110	MIN			
M345b	.750	.250				.300					.100		.100		

M346



	A	B	C	D	E	F	G	H	J	K	M	REMARKS
M346	.675	.750	.265	.180	.105	.020	.015	.100	.320	.310	.008	AS SHOWN
	.725	.770	MAX	MAX	.145	MIN	.019		MAX	.350	.011	
M346a	.730		.280	.165	.125		.015	.090	.310	.310	.008	PIN NO. 1 IDENT.
	MAX		MAX	MAX	MIN		.019	.110	MAX	.350	.012	NO NOTCH

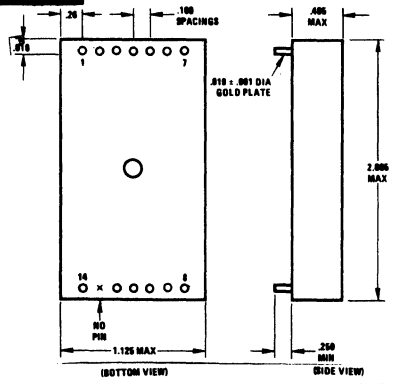
M347



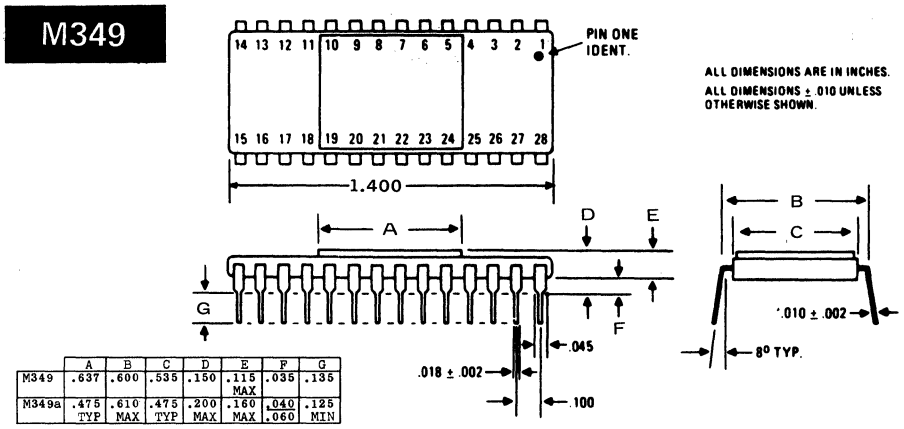
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

M348

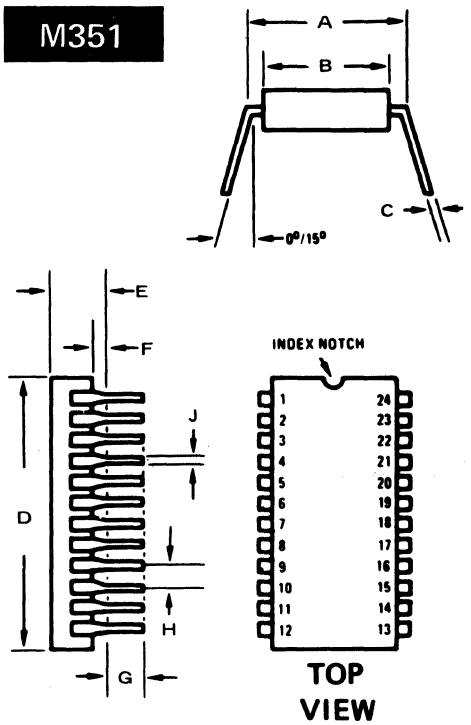


M349



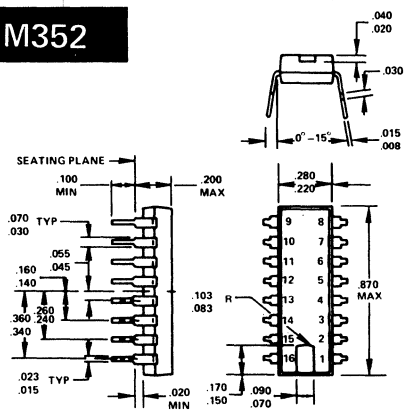
	A	B	C	D	E	F	G
M349	.637	.600	.535	.150	.115 MAX	.035	.135
M349a	.475 TYP	.610 MAX	.475 TYP	.200 MAX	.160 MAX	.040 .060	.125 MIN

M351

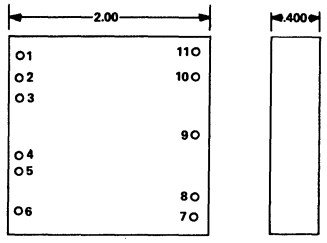


	A	B	C	D	E	F	G	H	J
M351	.590 .610	.520 .540	.007 .015	1.24 1.28	.220 MAX	.050	.105 .145	.090 .110	.015 .021
M351a	.600	.480 .520	.008 .012	1.15 1.22	.090 .150	.020 .065	.100 .180	.100	.015 .020
M351b			.008 .012	1.180 1.205	.120 .180	.042 .052	.115 .165	.100	.015 .020
M351c	.590 .610	.560 MAX	.008 .014	1.235 1.290	.170 .255	.020 .055	.120 .140	.090 .110	.015 .023

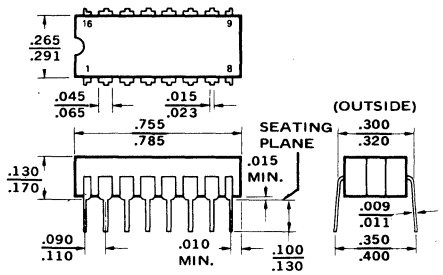
M352



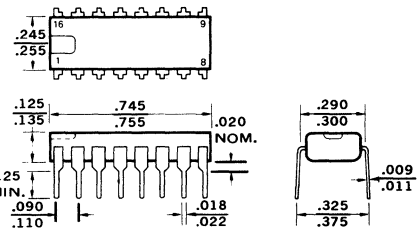
M353



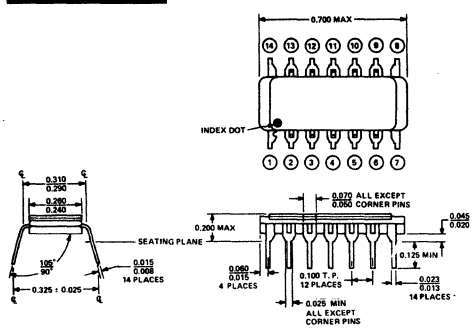
M356



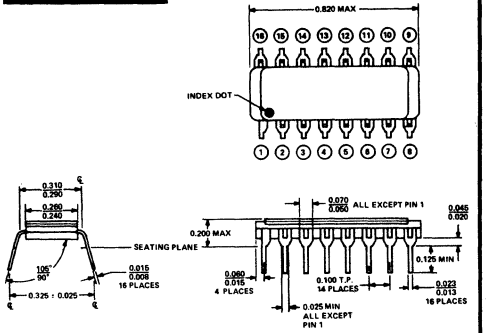
M357



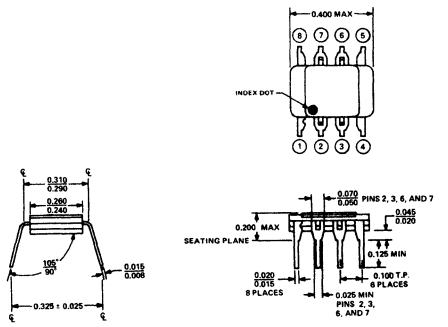
M358



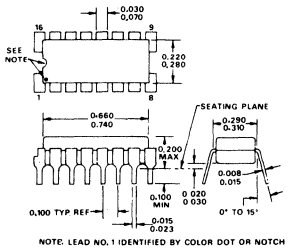
M359



M360

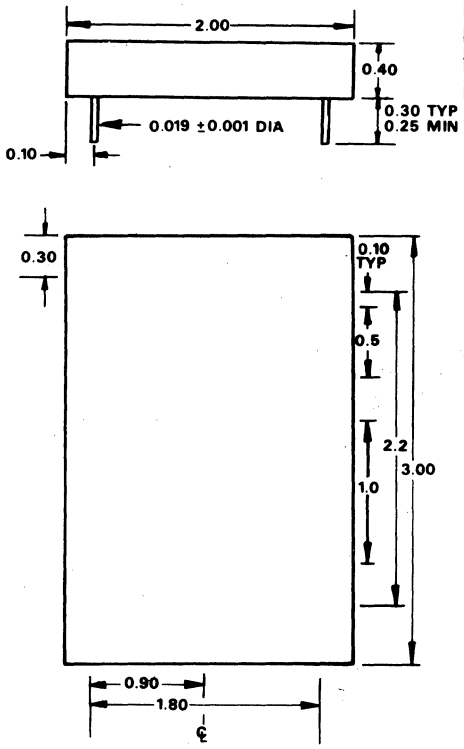


M361

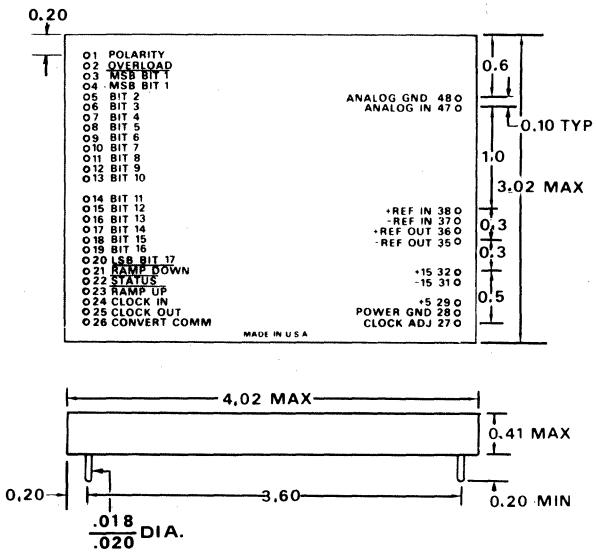


NOTE: LEAD NO. 1 IDENTIFIED BY COLOR DOT OR NOTCH

M362

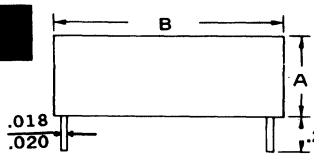


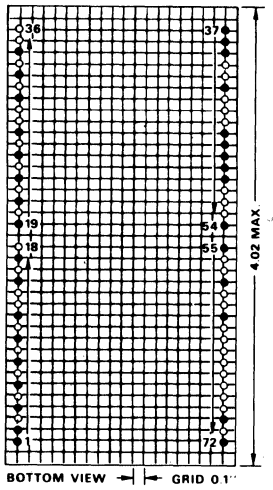
M363



	REMARKS
M363	AS SHOWN
M363a	OMIT PINS 6,7 and 8;BITS 3 THROUGH 14 ARE LOCATED AT PINS 9 THROUGH 20

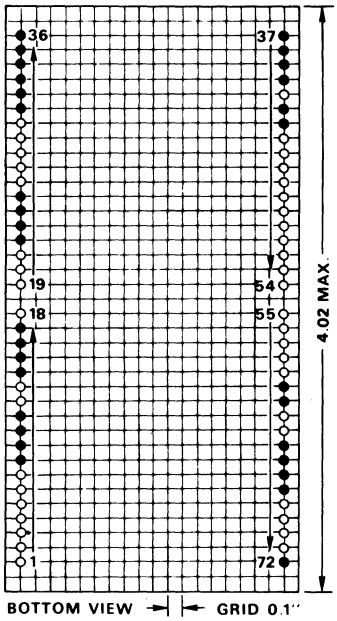
M364



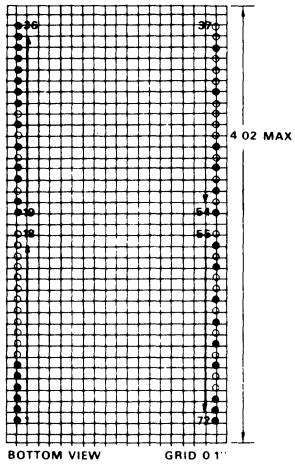


M364,a,b

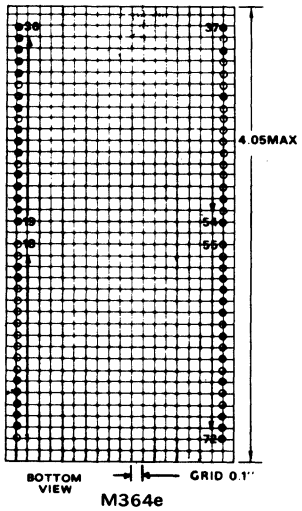
NOTE: TERMINAL PINS INSTALLED ONLY IN SHADED HOLE LOCATIONS.



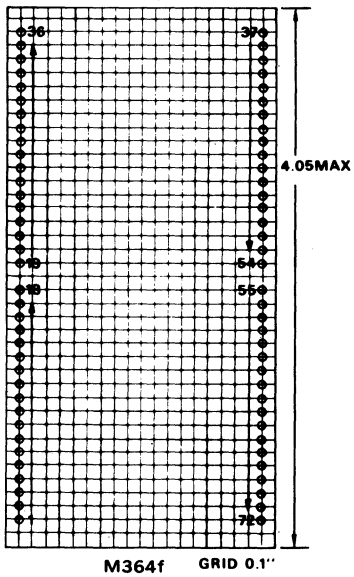
M364c



M364d

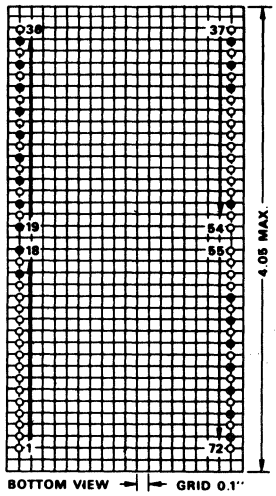


M364e



M364f

ALL PINS USED.



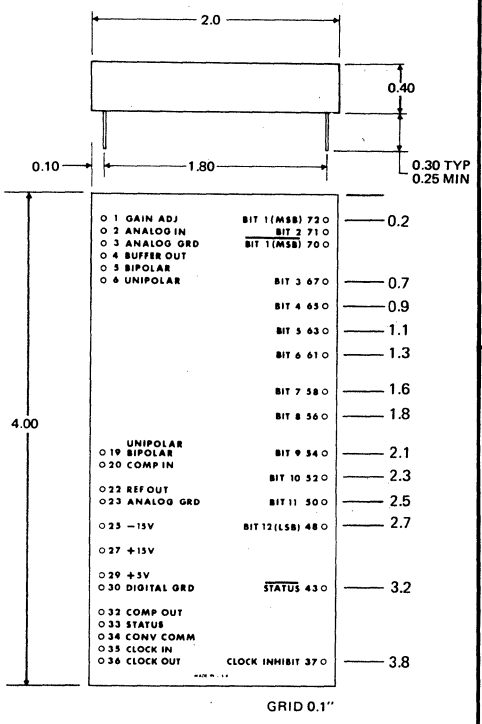
M364g

	A	B	REMARKS
M364	.770 MAX	2.02 MAX	OMIT PINS 58 and 61
M364a	.770 MAX	2.02 MAX	OMIT PINS 32 and 34
M364b	.770 MAX	2.02 MAX	OMIT PINS 27,30,32 and 34
M364c	.420 MAX	2.02 MAX	AS SHOWN
M364d	.410 MAX	2.01 MAX	AS SHOWN
M364e	.410 MAX	2.01 MAX	AS SHOWN
M364f	.400 MAX	2.01 MAX	AS SHOWN
M364g	.410 MAX	2.01 MAX	AS SHOWN

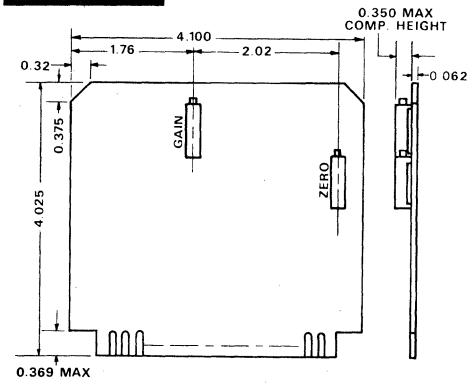
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

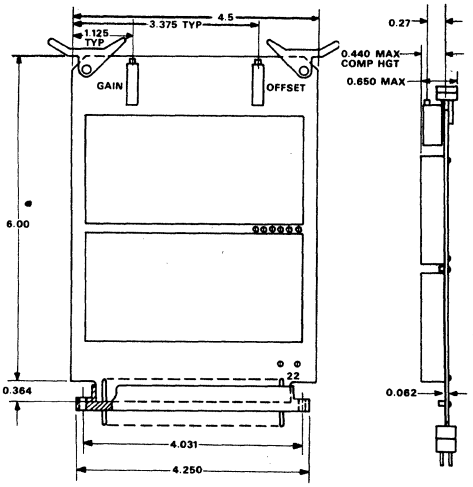
M365



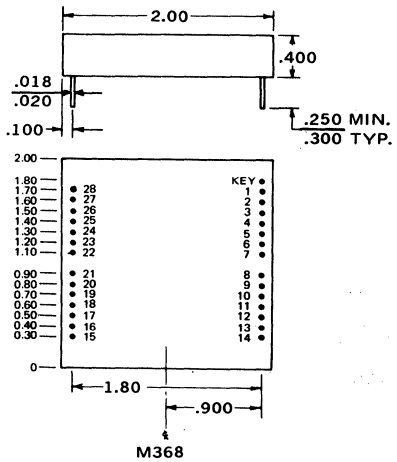
M366

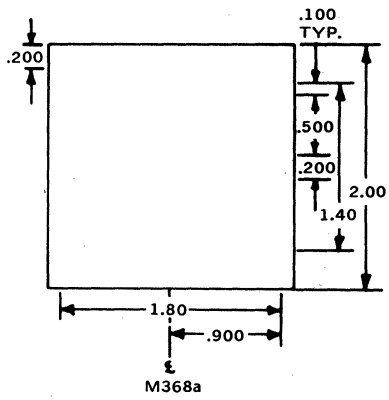


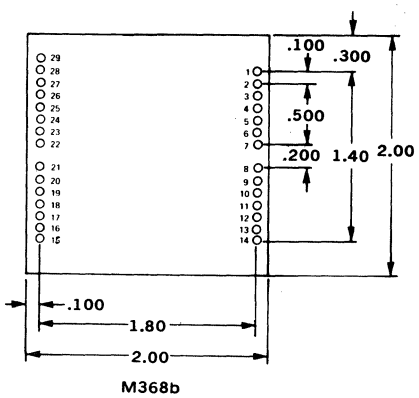
M367



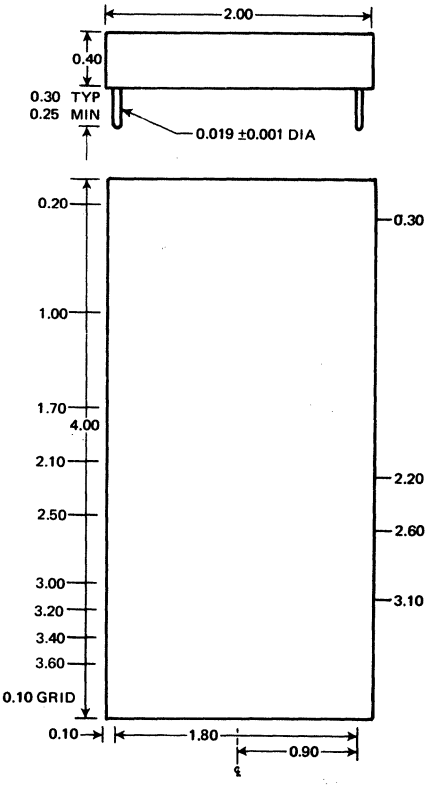
M368







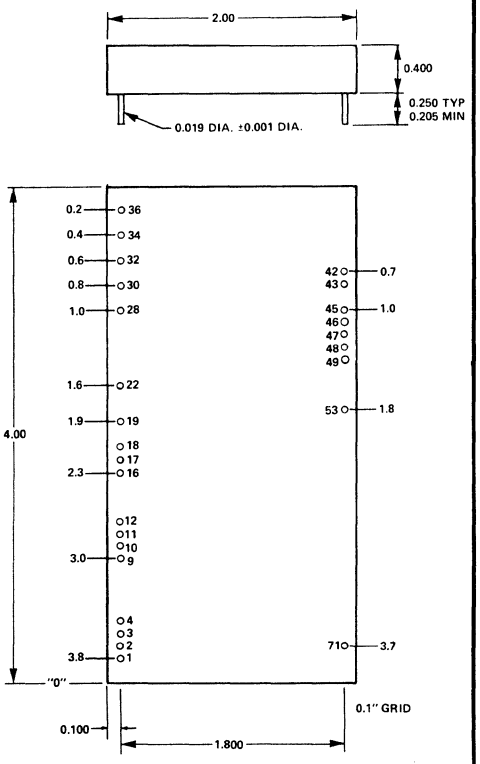
M369



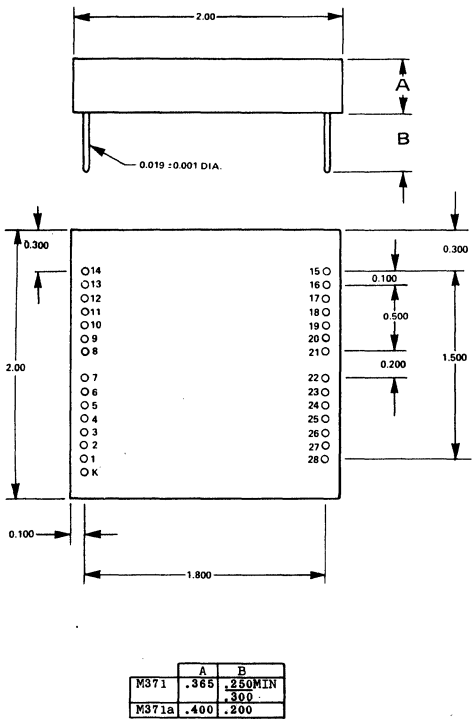
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

M370

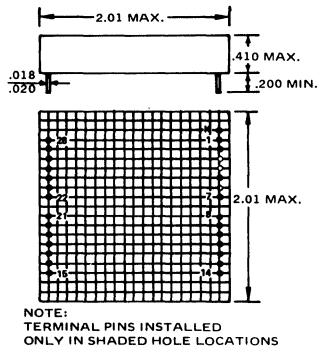


M371



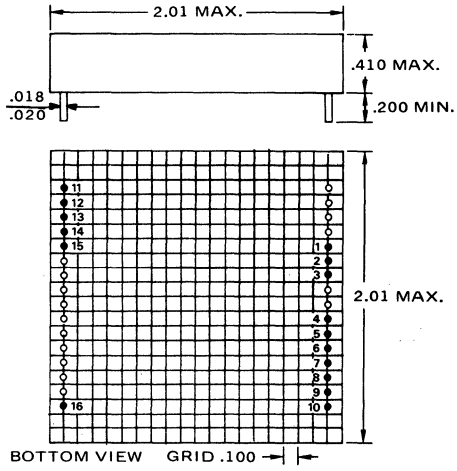
	A	B
M371	.365	.250MIN .300
M371a	.400	.200

M372



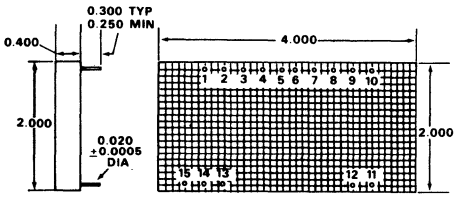
NOTE:
TERMINAL PINS INSTALLED
ONLY IN SHADED HOLE LOCATIONS

M373

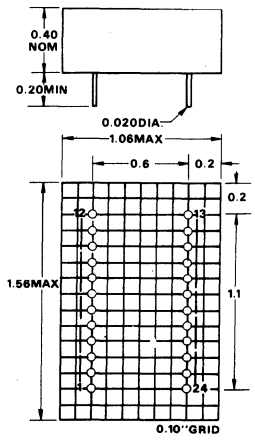


OMIT PINS 9 AND 10 FOR M373a.

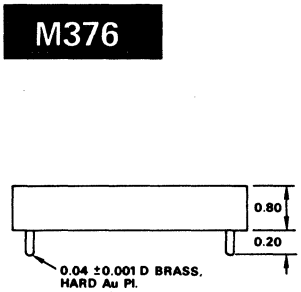
M374

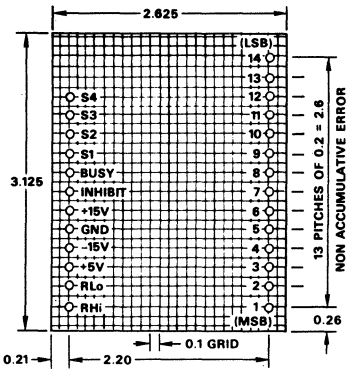


M375

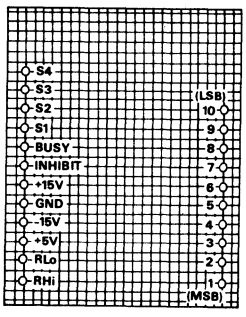


M376

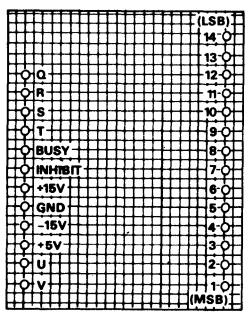




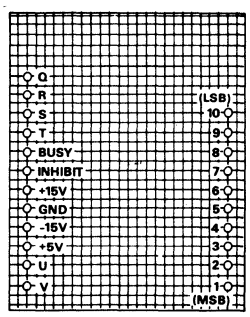
M376



M376a

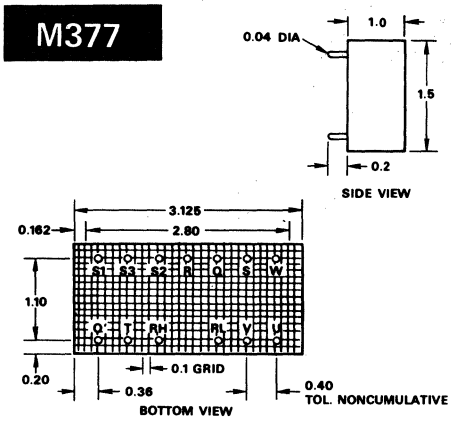


M376b

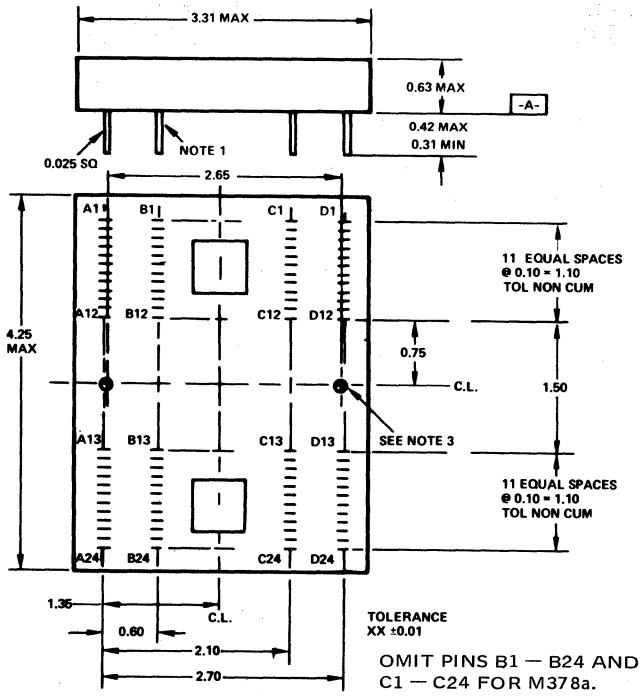


M376c

M377



M378

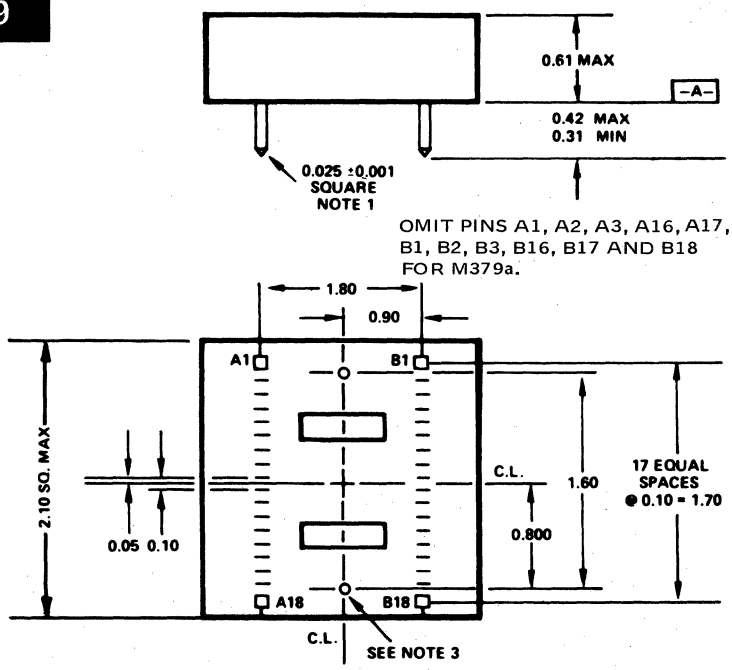


OMIT PINS B1 — B24 AND C1 — C24 FOR M378a.

NOTES:

1. Terminal: 3/4 Hard Phosphor Bronze, 30μ in. Gold over Nickel Plating.
2. Tolerance: XX ±0.01
3. Mounting Holes: Threaded to Accept A #6-32 Thread Depth 0.375 max from Surface -A-.

M379



OMIT PINS A1, A2, A3, A16, A17, A18, B1, B2, B3, B16, B17 AND B18 FOR M379a.

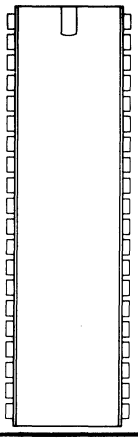
NOTES:

1. Terminal: 3/4 Hard Phosphor Bronze, 30μ in. Gold over Nickel Plating.
2. Tolerance: XX ±0.01
3. Mounting Holes: Threaded to Accept A #6-32 Thread Depth 0.375 max from Surface -A-.

SECTION 13. OUTLINE DRAWING

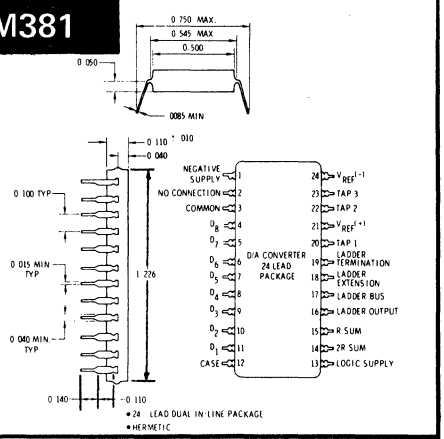
IN DRAWING NUMBER SEQUENCE

M380

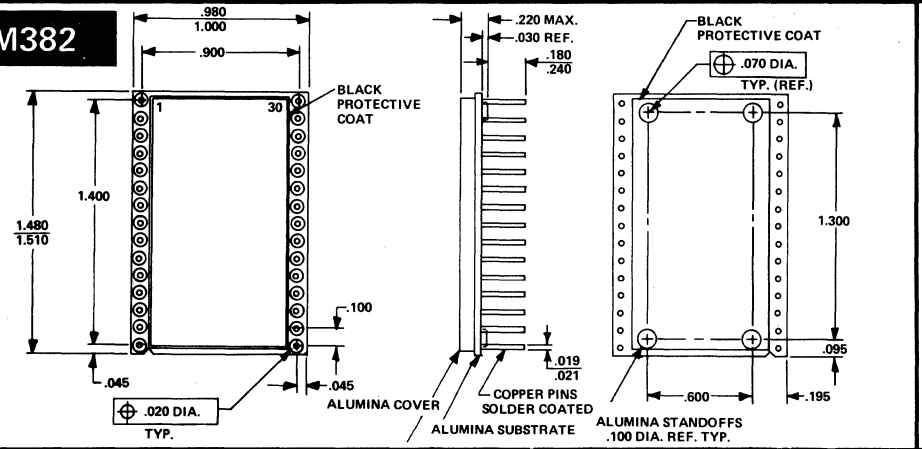


V_{SS}	V_{SS} Power Supply	1	40	Transmitter Register Clock	TRC
V_{GG}	V_{GG} Power Supply	2	39	Parity Select	PS
V_{DD}	V_{DD} Power Supply	3	38	Word Length Select	WLS_1
RRD	Receiver Register Disable	4	37	Word Length Select	WLS_2
RR_8	Receiver Holding Register Data	5	36	Stop Bit(s) Select	SBS
RR_7	Receiver Holding Register Data	6	35	Parity Inhibit	PI
RR_6	Receiver Holding Register Data	7	34	Control Register Load	CRL
RR_5	Receiver Holding Register Data	8	33	Transmitter Register Input	TR_8
RR_4	Receiver Holding Register Data	9	32	Transmitter Register Input	TR_7
RR_3	Receiver Holding Register Data	10	31	Transmitter Register Input	TR_6
RR_2	Receiver Holding Register Data	11	30	Transmitter Register Input	TR_5
RR_1	Receiver Holding Register Data	12	29	Transmitter Register Input	TR_4
PE	Parity Error	13	28	Transmitter Register Input	TR_3
FE	Framing Error	14	27	Transmitter Register Input	TR_2
OE	Overrun Error	15	26	Transmitter Register Input	TR_1
SFD	Status Flags Disable	16	25	Transmitter Register Output	TRO
RRC	Receiver Register Clock	17	24	Transmitter Register Empty	TRE
DRR	Data Received Reset	18	23	Transmitter Buffer Reg. Load	TBRL
DR	Data Ready	19	22	Transmitter Buffer Reg. Empty	TBRE
RI	Receiver Input	20	21	Master Reset	MR

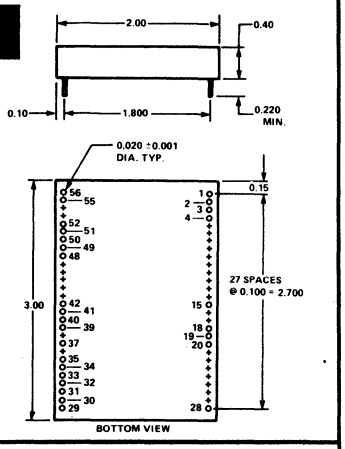
M381



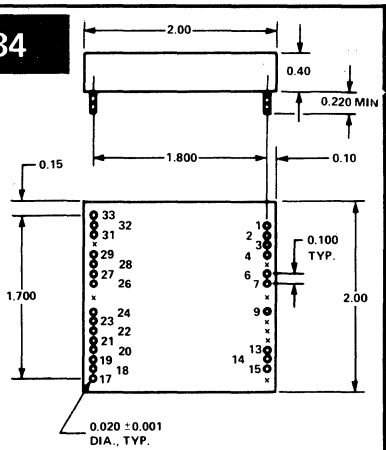
M382



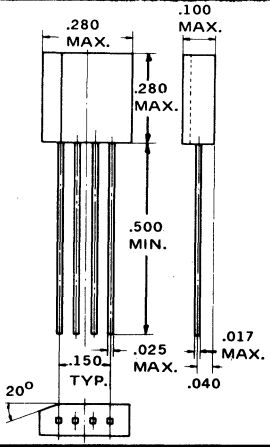
M383



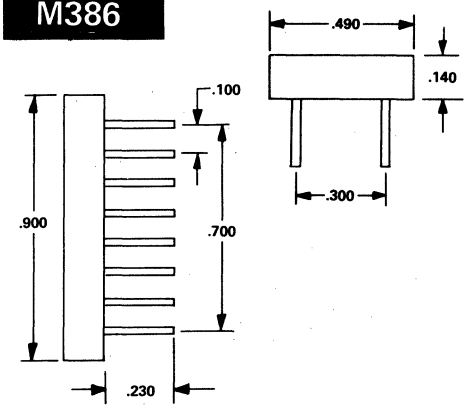
M384



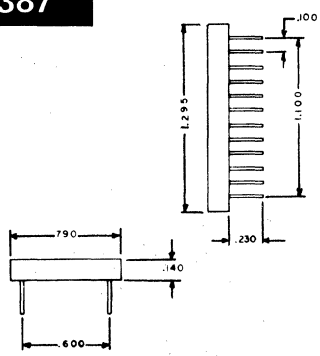
M385



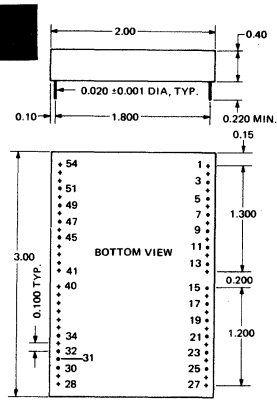
M386



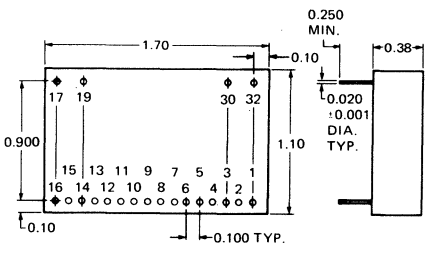
M387



M388



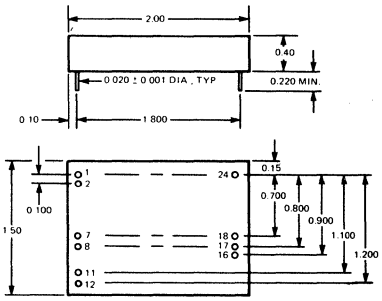
M389



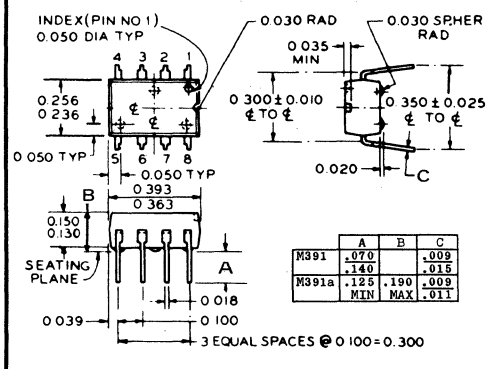
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

M390

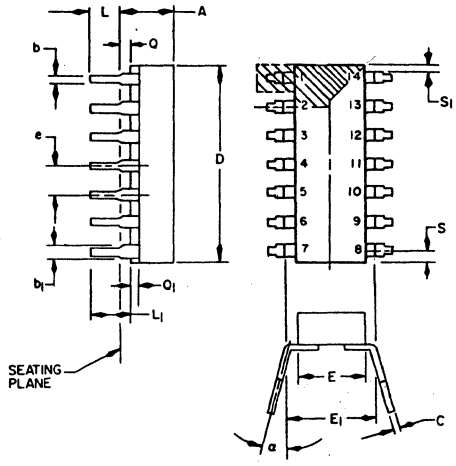


M391



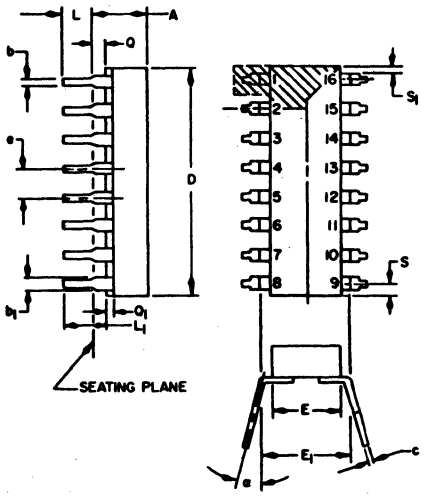
	A	B	C
M391	.070		.009
	.140		.015
M391a	.125	.190	.009
	MIN	MAX	.011

M392



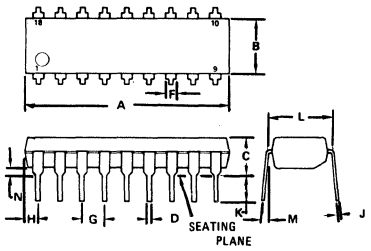
SYMBOL	INCHES MIN	INCHES MAX	MILLIMETERS MIN	MILLIMETERS MAX
A		.200		5.08
b	.014	.023	.36	.58
b_1	.030	.070	1.02	1.78
c	.008	.015	.20	.38
D		.796		20.22
E	.220	.310	5.59	7.87
E_1	.290	.320	7.37	8.13
e	.100 BSC		2.54 BSC	
L	.125	.200	3.18	5.08
L_1	.150		3.81	
Q	.015	.060	.38	1.52
Q_1	.020		.51	
S		.098		2.49
S_1	.005		.13	
α	0°	15°	0°	15°

M393



SYMBOL	INCHES MIN	INCHES MAX	MILLIMETERS MIN	MILLIMETERS MAX
A		.200		5.08
b	.014	.023	.36	.58
b_1	.030	.070	1.02	1.78
c	.008	.015	.20	.38
D		.896		22.76
E	.220	.310	5.59	7.87
E_1	.290	.320	7.37	8.13
e	.100 BSC		2.54 BSC	
L	.125	.200	3.18	5.08
L_1	.150		3.81	
Q	.015	.060	.38	1.52
Q_1	.020		.51	
S		.098		2.49
S_1	.005		.13	
α	0°	15°	0°	15°

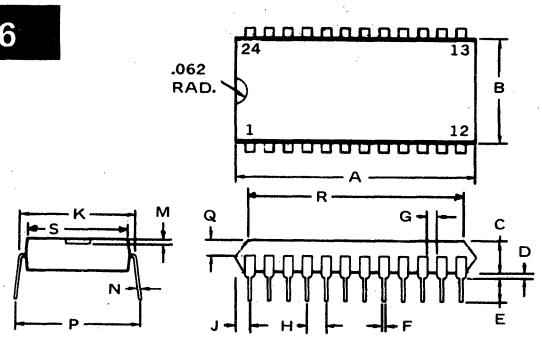
M394



NOTES:
1. LEADS WITHIN 0.13 mm (0.005) RADIUM OF TRUE POSITION AT SEATING PLANE AT MAXIMUM MATERIAL CONDITION (DIM "G").
2. DIMENSION "L" TO CENTER OF LEADS WHEN FORMED PARALLEL.

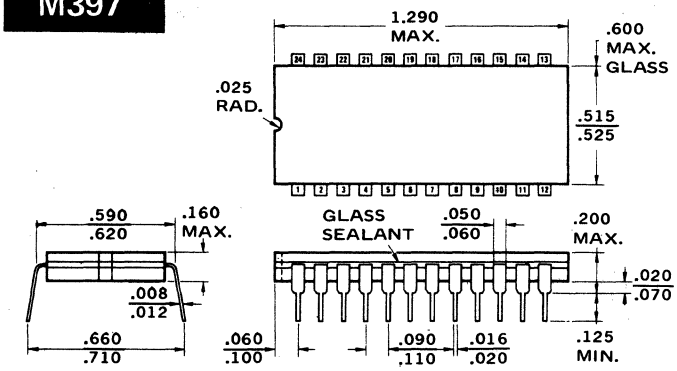
DIM	MILLIMETERS MIN	MILLIMETERS MAX	INCHES MIN	INCHES MAX
A	23.11	23.88	0.910	0.940
B	6.10	6.60	0.240	0.260
C	4.06	4.57	0.160	0.180
D	0.38	0.51	0.015	0.020
F	1.02	1.52	0.040	0.060
G	2.54 BSC		0.100 BSC	
H	1.32	1.83	0.052	0.072
J	0.20	0.30	0.008	0.012
K	2.92	3.43	0.115	0.135
L	7.37	7.87	0.290	0.310
M	0°	10°	0°	10°
N	0.51	1.02	0.020	0.040

M396



	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S
M396	1.270	.535	.155	.015	.125	.015	.040	.100	.060	.600	.030	.009	.610	.075		
	MAX	.545	.165	MIN	MIN	.021			.080	.620	MAX	.015	.650			
M396a	1.259	.499	.157	.031	.110	.017	.031	.100		.599		.009	.599		1.244	.460

M397

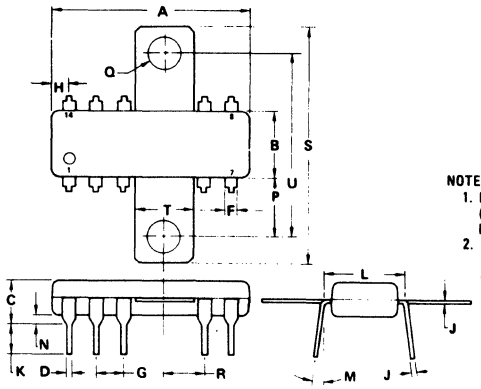


SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

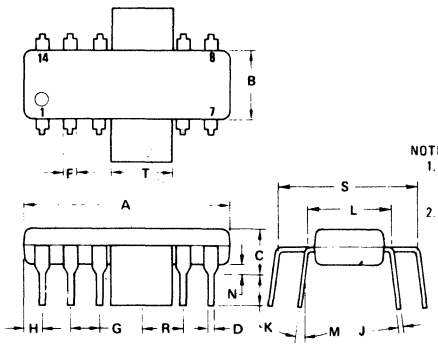
M398

DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	18.42	19.05	0.725	0.750
B	5.97	6.48	0.235	0.255
C	3.56	4.06	0.140	0.160
D	0.38	0.51	0.015	0.020
F	1.02	1.52	0.040	0.060
G	2.54 BSC		0.100 BSC	
H	1.47	1.98	0.058	0.078
J	0.33	0.46	0.013	0.018
K	2.92	3.43	0.115	0.135
L	7.37	7.87	0.290	0.310
M	–	10°	–	10°
N	0.51	1.02	0.020	0.040
P	5.33	5.97	0.210	0.235
Q	3.05	3.30	0.120	0.130
R	3.81 BSC		0.150 BSC	
S	21.82	23.34	0.859	0.919
T	5.21	5.84	0.205	0.230
U	17.15	17.91	0.675	0.705



NOTES:
1. LEADS WITHIN 0.13 mm (0.005) RADIUS OF TRUE POSITION AT GAGE PLANE
2. DIM "L" TO CENTER OF LEADS WHEN FORMED PARALLEL.

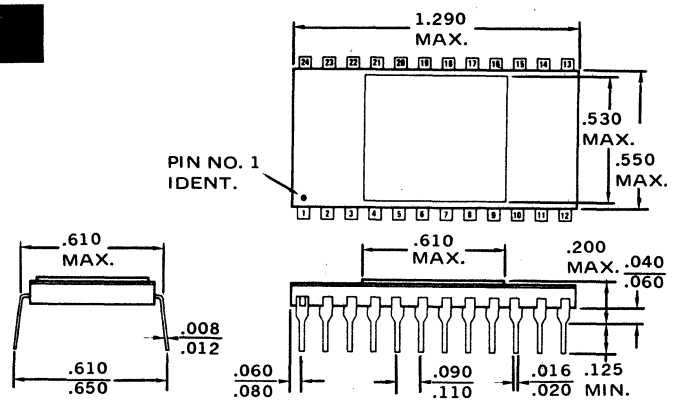
M399



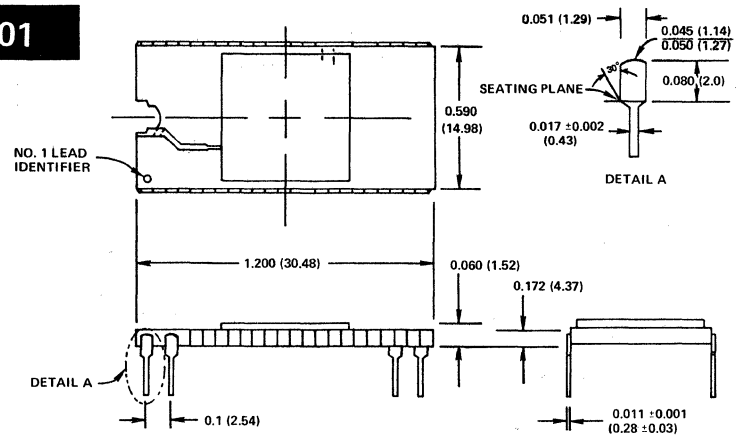
NOTES:
1. LEADS WITHIN 0,13 mm (0.005) RADIUS OF TRUE POSITION AT GAGE PLANE.
2. DIM "L" & "S" TO CENTER OF LEADS WHEN FORMED PARALLEL.

DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	18.42	19.05	0.725	0.750
B	5.97	6.48	0.235	0.255
C	3.56	4.06	0.140	0.160
D	0.38	0.51	0.015	0.020
F	1.02	1.52	0.040	0.060
G	2.54 BSC		0.100 BSC	
H	1.47	1.98	0.058	0.078
J	0.33	0.46	0.013	0.018
K	2.92	3.43	0.115	0.135
L	7.37	7.87	0.290	0.310
M	–	10°	–	10°
N	0.51	1.02	0.020	0.040
R	3.81 BSC		0.150 BSC	
S	12.45	12.95	0.490	0.510
T	5.21	5.84	0.205	0.230

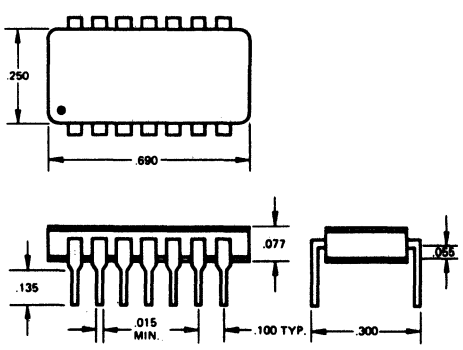
M400



M401



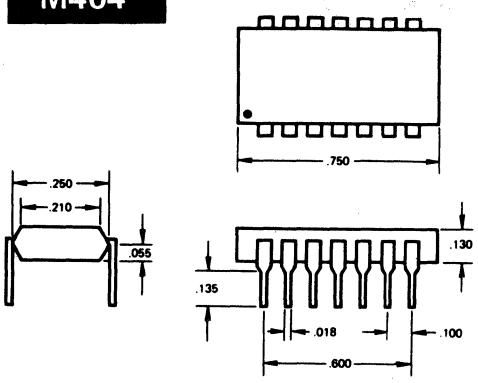
M403



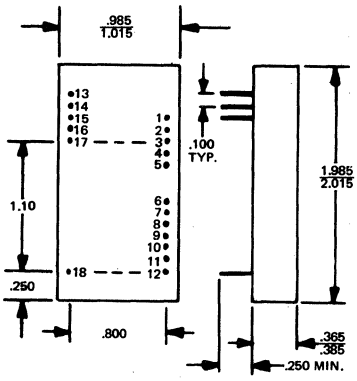
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

M404

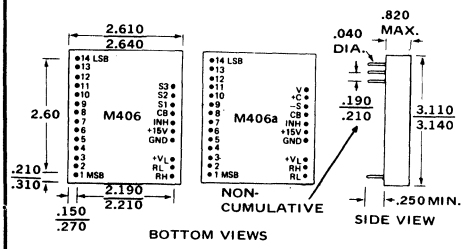


M405

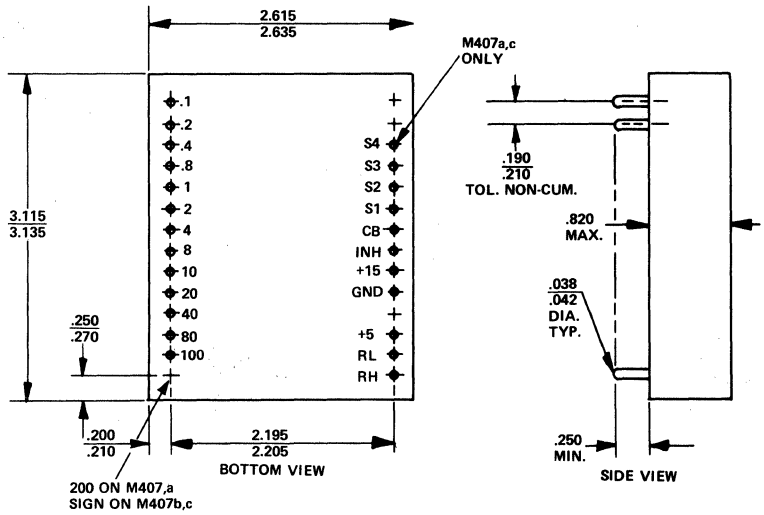


PIN	FUNCTION	PIN	FUNCTION
1	BIT 1(MBS)	10	BIT 10
2	2	11	11
3	3	12	12(LSB)
4	4	13	+15V POWER
5	5	14	-15V POWER
6	6	15	GND
7	7	16	OFFSET
8	8	17	ANALOG OUT
9	9	18	N.C.

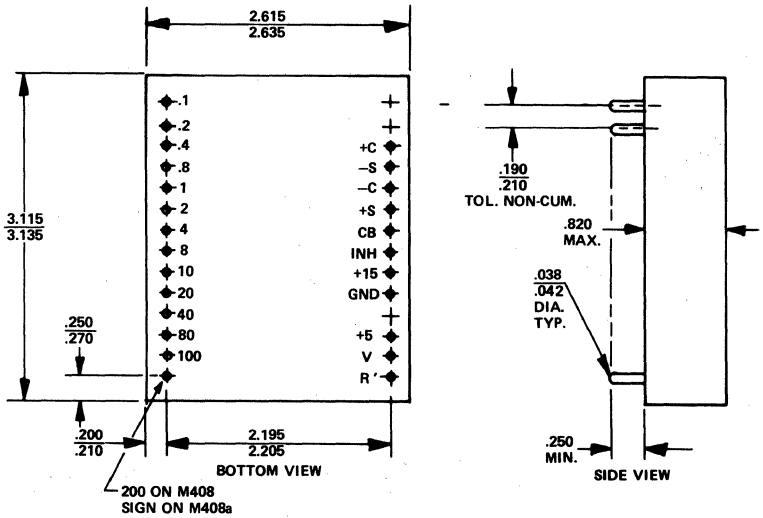
M406



M407



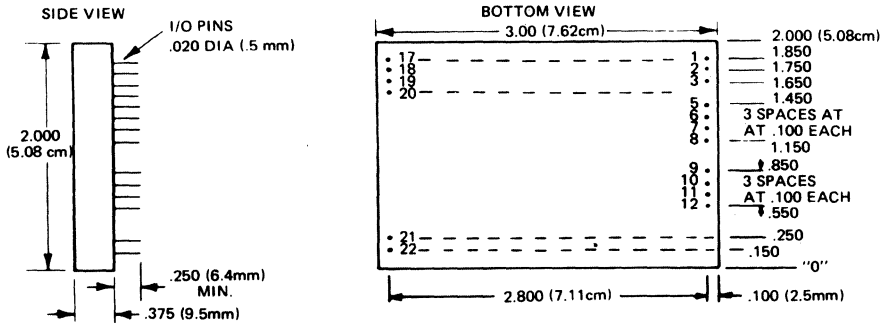
M408



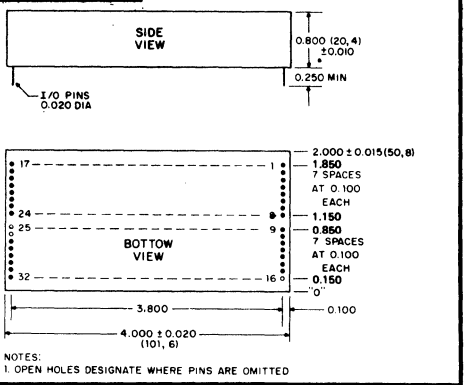
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

M409

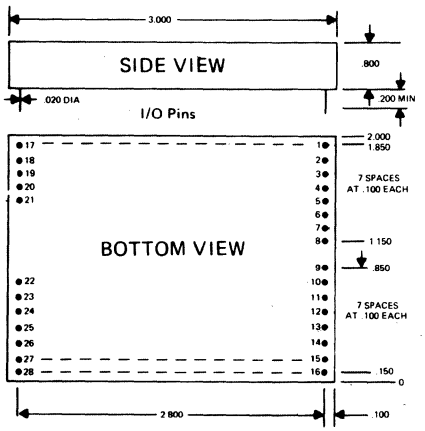


M410

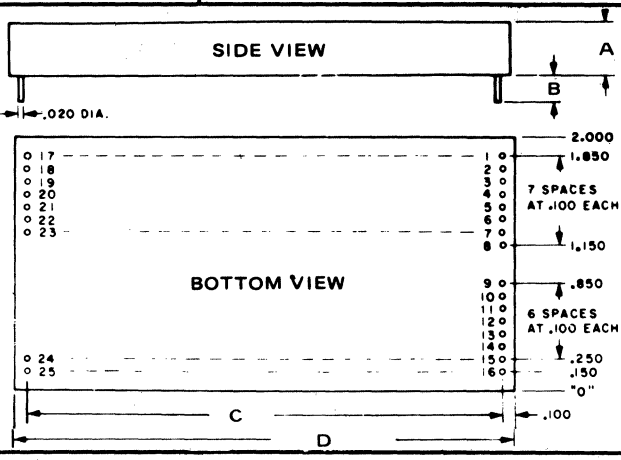


NOTES:
1. OPEN HOLES DESIGNATE WHERE PINS ARE OMITTED

M411

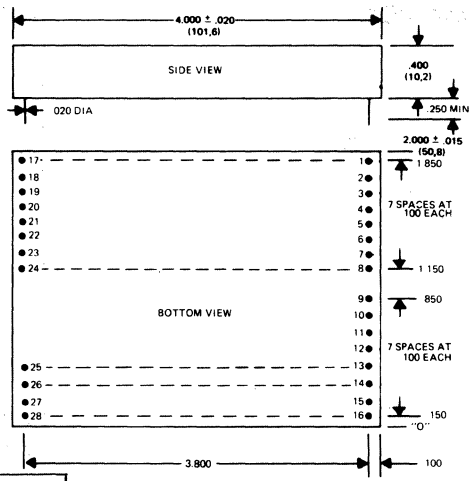


M412



	A	B	C	D
M412	.400	.200 MIN	3.800	4.000
M412a	.390 .410	.200 MIN	3.800	3.980 4.020
M412b	.790 .810	.200 MIN	3.800	3.980 4.020
M412c	.400	.250 MIN	3.800	4.000
M412d	.375	.200 MIN	2.800	3.000

M413



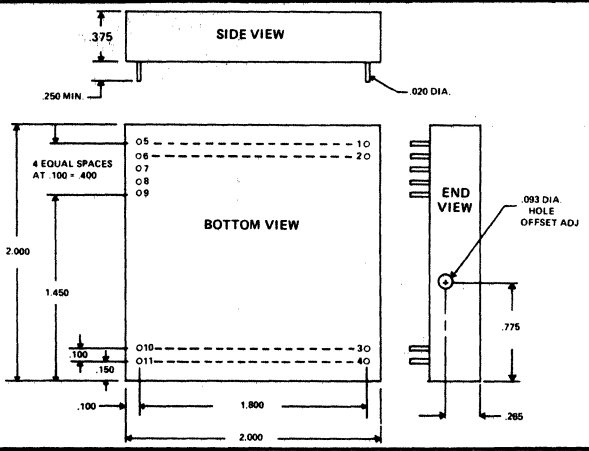
PIN	12D	8D	12B	10B	8B	FUNCTION
1	X	X	X	X	X	END OF CONVERSION
2	X	X	X	X	X	SIGN OUTPUT
3	1000	100	BIT 1	BIT 1	BIT 1	OUTPUT
4	800	N C	N C	BIT 2	N C	OUTPUT
5	400	N C	N C	BIT 3	N C	OUTPUT
6	200	N C	BIT 2	BIT 4	BIT 2	OUTPUT
7	100	N C	BIT 3	BIT 5	BIT 3	OUTPUT
8	80	80	BIT 4	N C	N C	OUTPUT
9	40	40	BIT 5	N C	N C	OUTPUT
10	20	20	BIT 6	N C	N C	OUTPUT
11	10	10	BIT 7	N C	N C	OUTPUT
12	8	8	BIT 8	BIT 6	BIT 4	OUTPUT
13	4	4	BIT 9	BIT 7	BIT 5	OUTPUT
14	2	2	BIT 10	BIT 8	BIT 6	OUTPUT
15	1	1	BIT 11	BIT 9	BIT 7	OUTPUT
16	X	X	X	X	X	DIGITAL GROUND
17	X	X	X	X	X	+5V POWER INPUT
18	X	X	X	X	X	+15V POWER INPUT
19	X	X	X	X	X	-15V POWER INPUT
20	X	X	X	X	X	POWER GROUND
21	X	X	X	X	X	EXTERNAL TRIGGER INPUT
22	X	X	X	X	X	INTERNAL TRIGGER OUTPUT
23	X	X	X	X	X	INTERNAL TRIGGER RATE ADJUST
24	X	X	X	X	X	INTERNAL TRIGGER RATE ADJUST
25	X	X	X	X	X	F.S. ADJUST (OR EXTERN. REFER. INPUT)
26	X	X	X	X	X	ANALOG GROUND
27	X	X	X	X	X	ANALOG INPUT (LOW)
28	X	X	X	X	X	ANALOG INPUT (HIGH)

NOTES X = ALL MODELS
FOR SINGLE ENDED ANALOG INPUT SIGNALS, CONNECT TO PIN 28 (HIGH) AND TO PINS 26 & 27 (LOW).
FOR DIFFERENTIAL ANALOG INPUT SIGNALS, CONNECT ACROSS PINS 27 (LOW) AND 28 (HIGH)

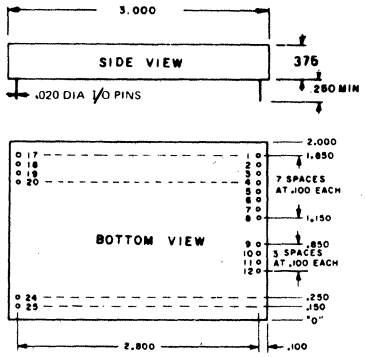
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

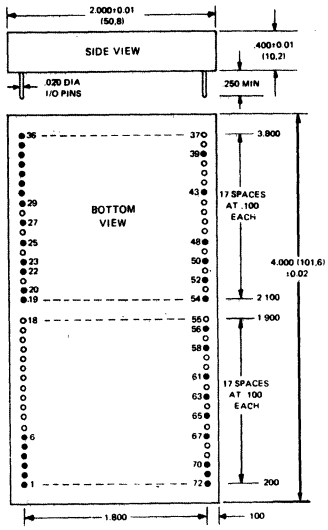
M416



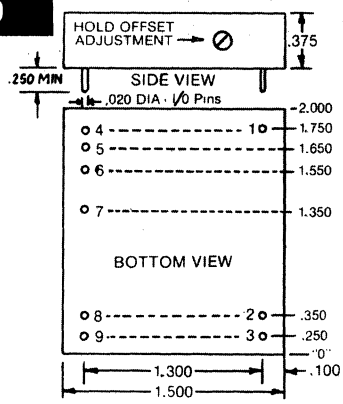
M417



M418



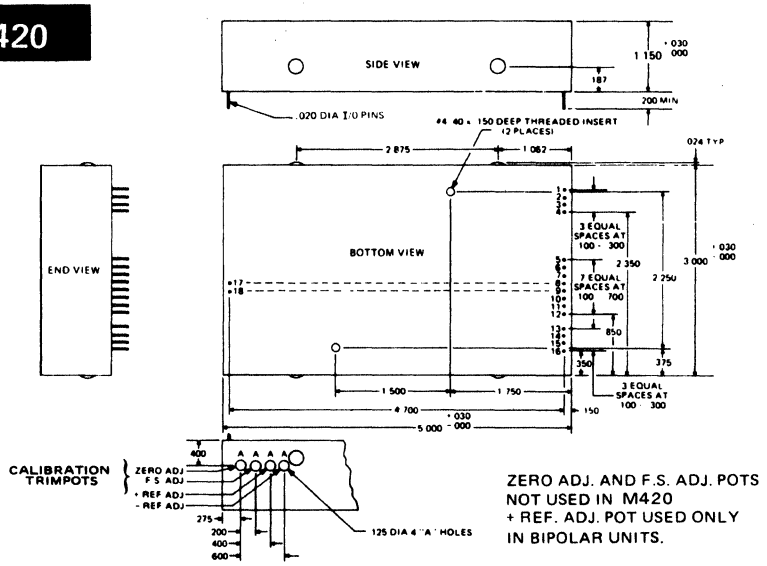
M419



SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

M420

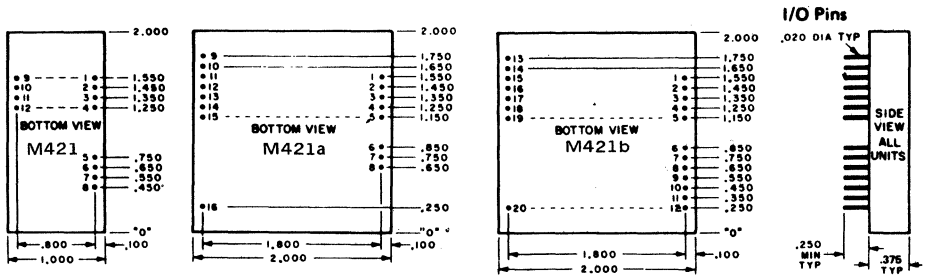


ZERO ADJ. AND F.S. ADJ. POTS NOT USED IN M420
+ REF. ADJ. POT USED ONLY IN BIPOLAR UNITS.

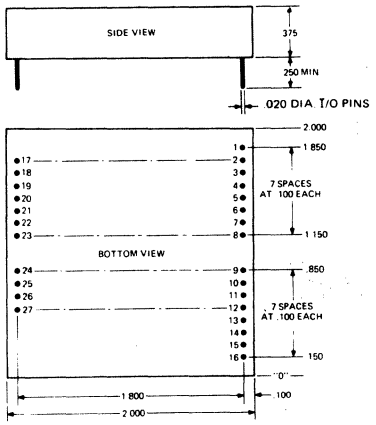
PIN	FUNCTION
1	BIT 4 (LSB) M420
2	BIT 3
3	BIT 2
4	BIT 1 (MSB)
5	START CONVERT
6	E.O.C. (STATUS)
7	±15V RETURN (1)
8	−15VDC
9	+15VDC
10	±5V RETURN (1)
11	−5VDC
12	+5VDC
13	BIT 5
14	BIT 6 (LSB) M420a
15	BIT 7
16	BIT 8 (LSB) M420b
17	ANALOG INPUT
18	ANALOG GROUND (1)

NOTES:
1. PINS #7, 10 AND 18 INTERNALLY CONNECTED
2. CASE ALUMINUM, BLACK ANODIZED

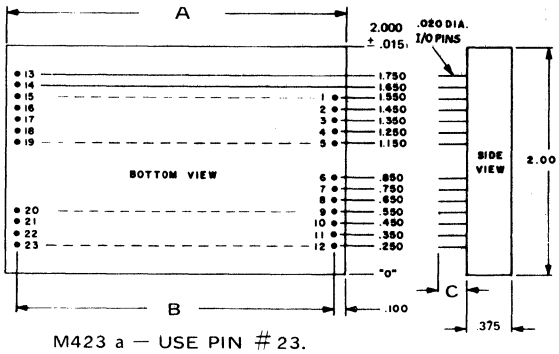
M421



M422



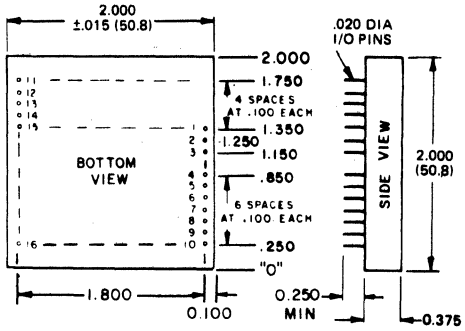
M423



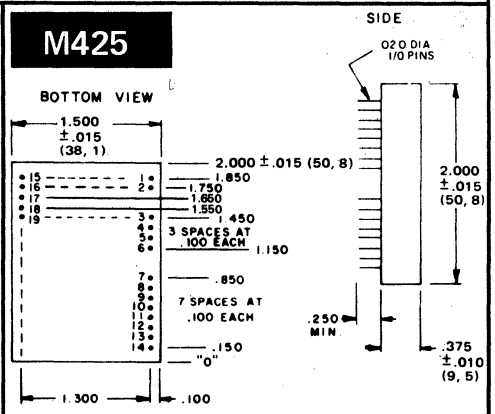
	A	B	C
M423	2.000	1.800	.200 MIN
M423a	2.980 3.020	2.800	.250 MIN

M423 a — USE PIN # 23.

M424



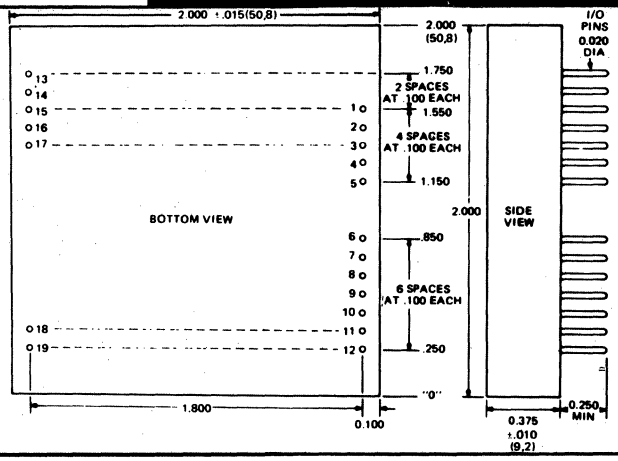
M425



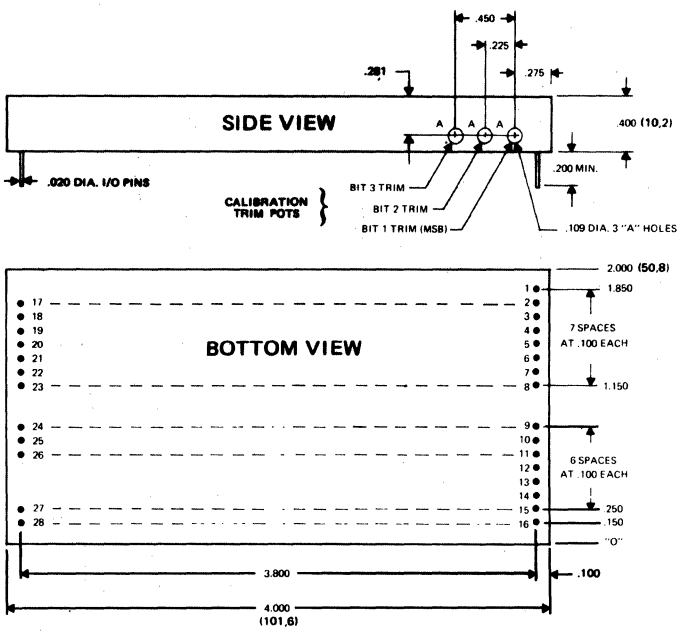
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

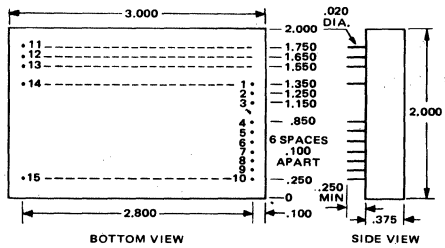
M426



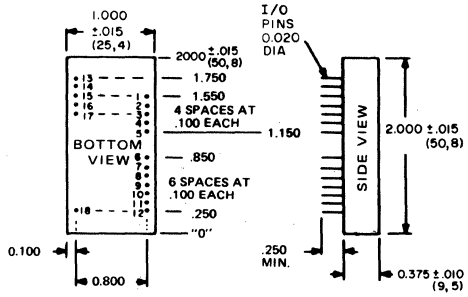
M427



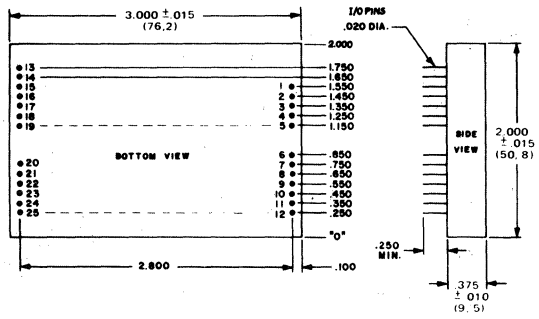
M428



M429



M430



PIN	FUNCTION		PIN	FUNCTION
1	BIT 1 IN (MSB/SIGN)	800	13	+15V POWER INPUT
2	BIT 2 IN	400	14	-15V POWER INPUT
3	BIT 3 IN	200	15	POWER GROUND
4	BIT 4 IN	100	16	ANALOG OUTPUT
5	BIT 5 IN	80	17	ANALOG GROUND
6	BIT 6 IN	40	18	RANGE 1
7	BIT 7 IN	20	19	RANGE 2
8	BIT 8 IN	10	20	-REFERENCE IN 1 *
9	BIT 9 IN	8	21	-REFERENCE OUT 1
10	BIT 10 IN	4	22	INT. REFERENCE OUT
11	BIT 11 IN	2	23	OFFSET
12	BIT 12 IN (LSB)	1	24	+REFERENCE IN 1
			25	+REFERENCE IN 2

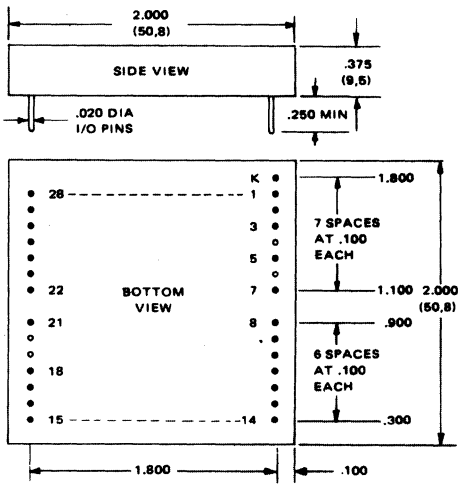
*PIN 20 NOT USED ON BCD MODELS

NOTE:E:
FOR M430 - PIN 8 IS LSB
FOR M430a - PIN 12 IS LSB
FOR M430b - PIN 10 IS LSB.

SECTION 13. OUTLINE DRAWING

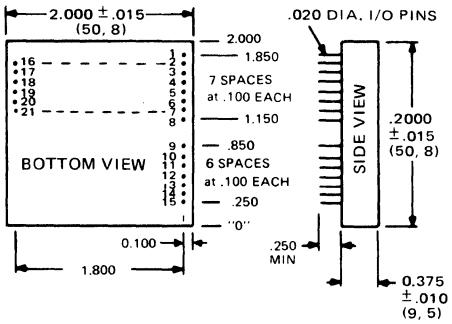
IN DRAWING NUMBER SEQUENCE

M431

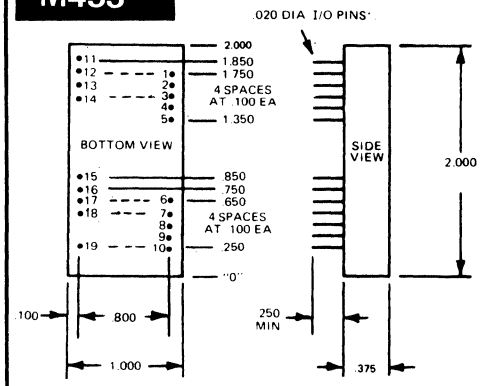


NOTE: Open dots indicate omitted pins. Pins 17 and 18 are omitted on 10 bit models. Pins 15, 16, 17, and 18 are omitted on 8 bit models. Pin position tolerance is ± 0.005" From datum, non-accumulative.

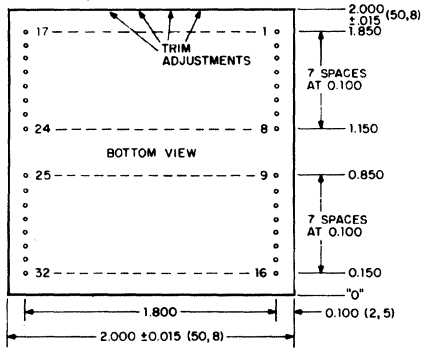
M432



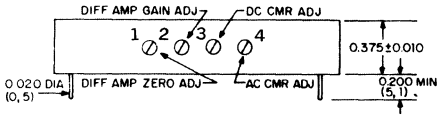
M433



M434

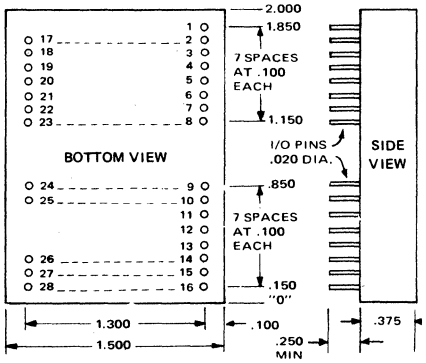


PIN POSITION TOLERANCE:±0.005 NON-ACCUMULATIVE FROM DATUM

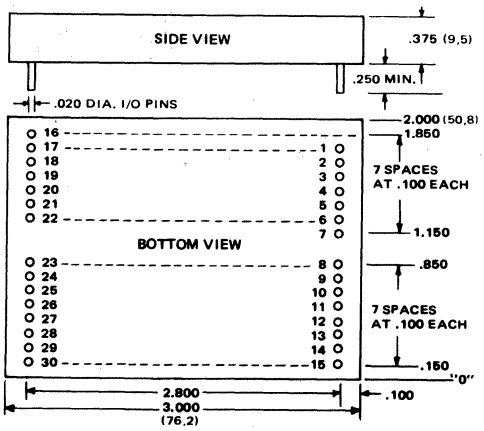


1 AC CMR ADJ
2 DIFF AMP ZERO ADJ
3 DIFF AMP GAIN ADJ
4 DC CMR ADJ

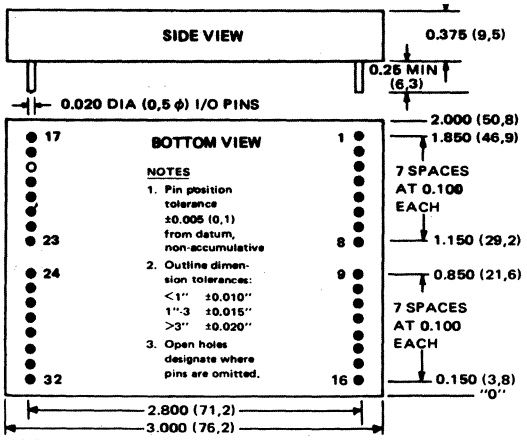
M435



M436

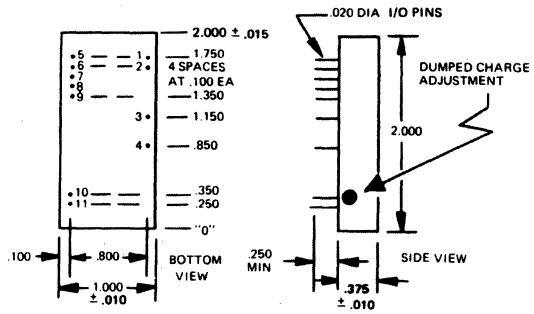


M437



NOTES
1. Pin position tolerance ±0.005 (0,1) from datum, non-accumulative
2. Outline dimension tolerances: <1" ±0.010" 1"-3 ±0.015" >3" ±0.020"
3. Open holes designate where pins are omitted.

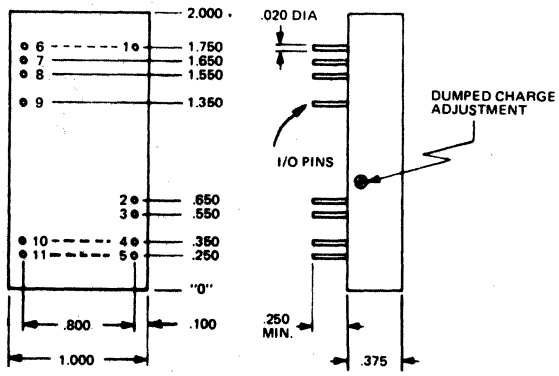
M438



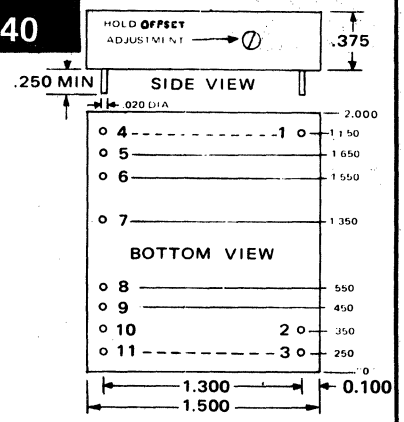
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

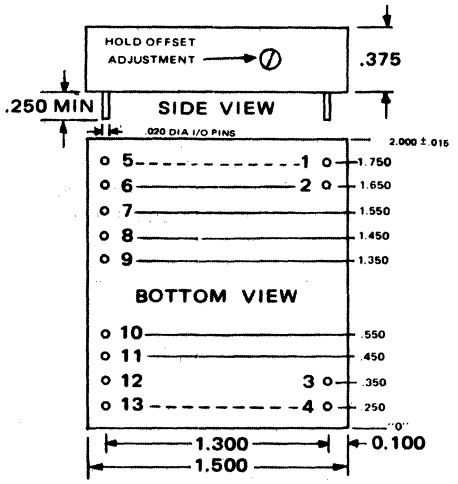
M439



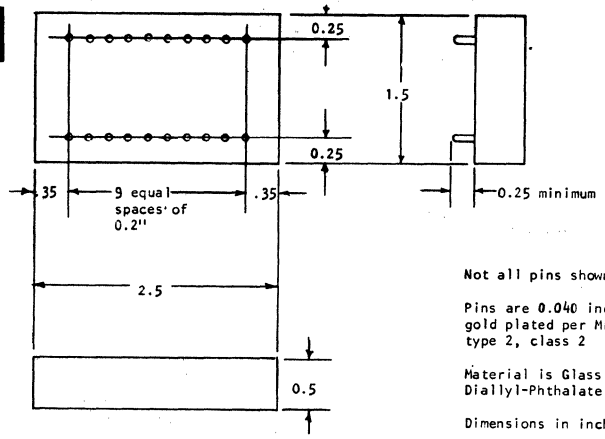
M440



M441



M442



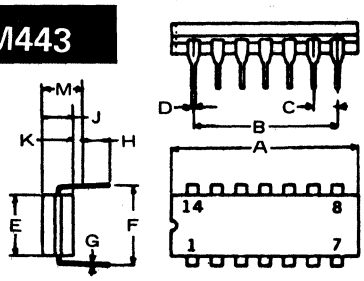
Not all pins shown may be used

Pins are 0.040 inch diameter, gold plated per MIL-G-45204, type 2, class 2

Material is Glass Fiber filled Diallyl-Phthalate

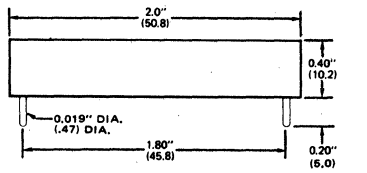
Dimensions in inches

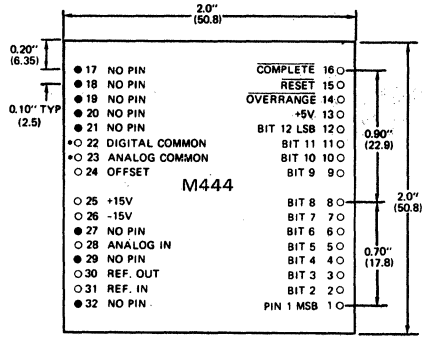
M443



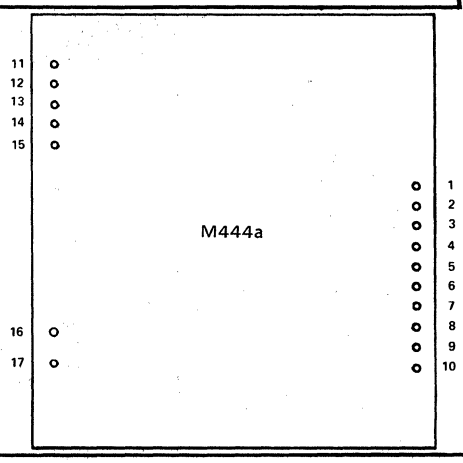
	A	B	C	D	E	F	G	H	J	K	M
M443	.787 MAX	.590 MIN	.100	.017	.275 MAX	.329	.007 MIN	.137	.196	.019 MIN	
M443a	.787 MAX		.090		.275 MAX	.354		.149		.019 MIN	.196 MAX

M444





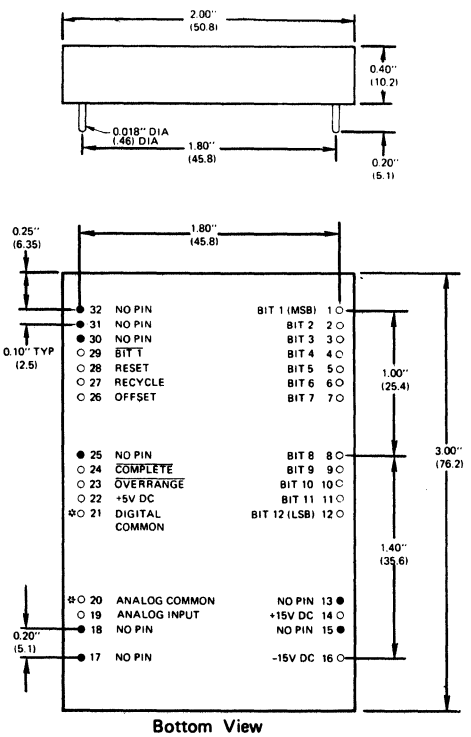
Bottom View



SECTION 13. OUTLINE DRAWING

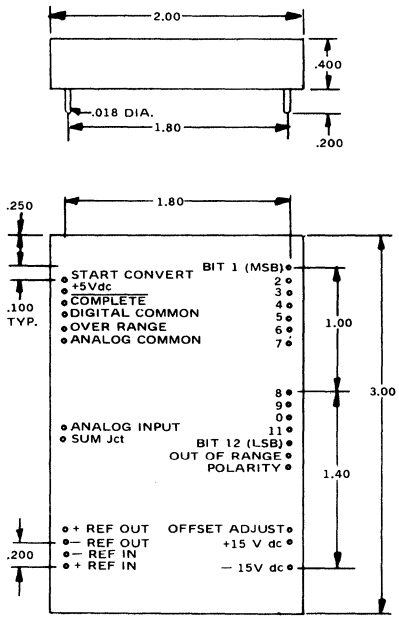
IN DRAWING NUMBER SEQUENCE

M445

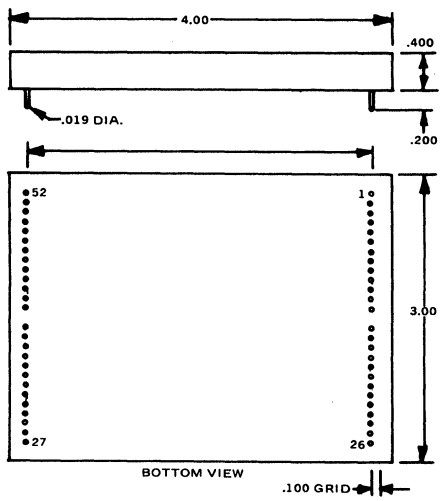


Bottom View

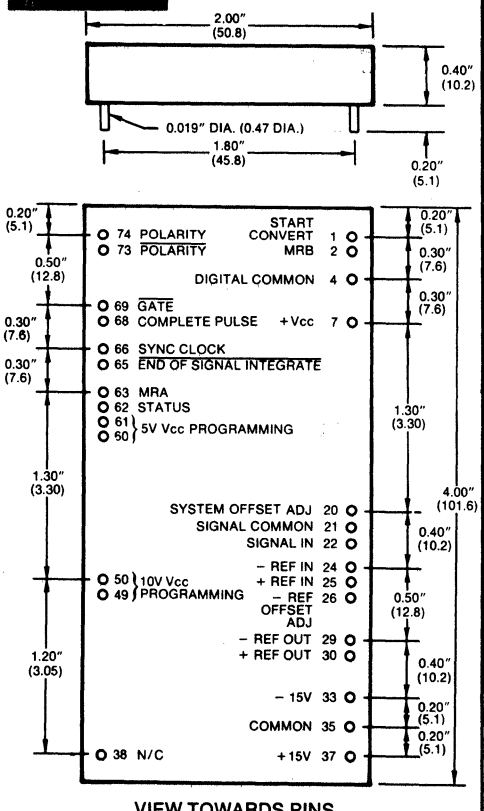
M446



M447

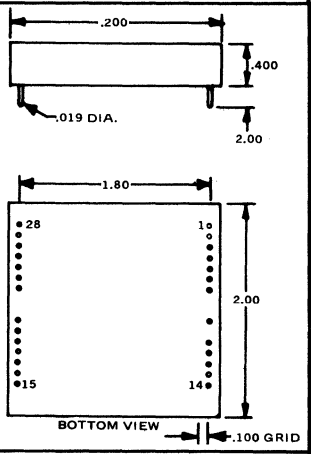


M448

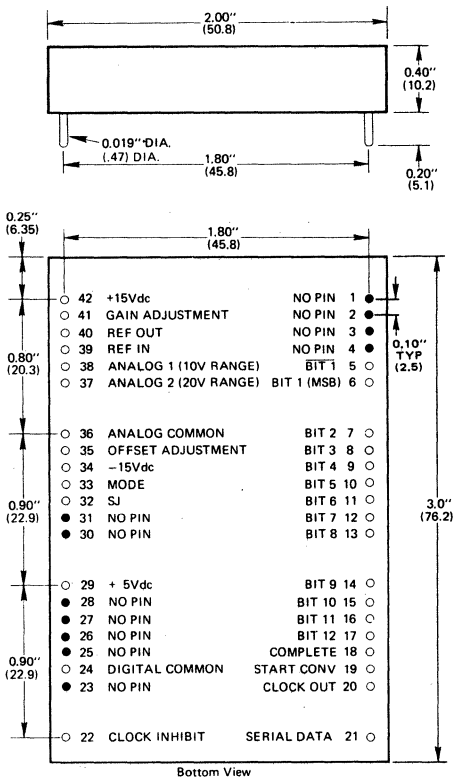


VIEW TOWARDS PINS

M449



M450

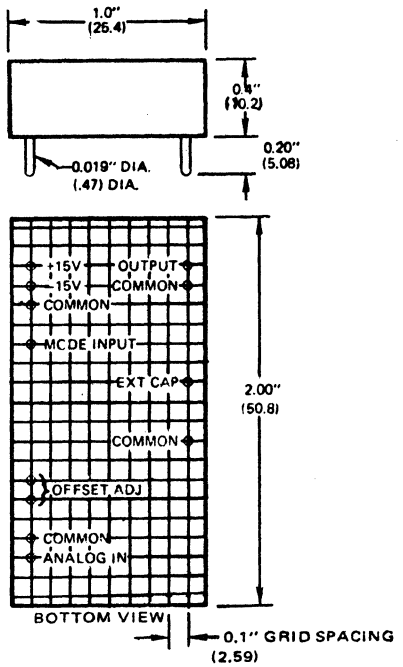


Bottom View

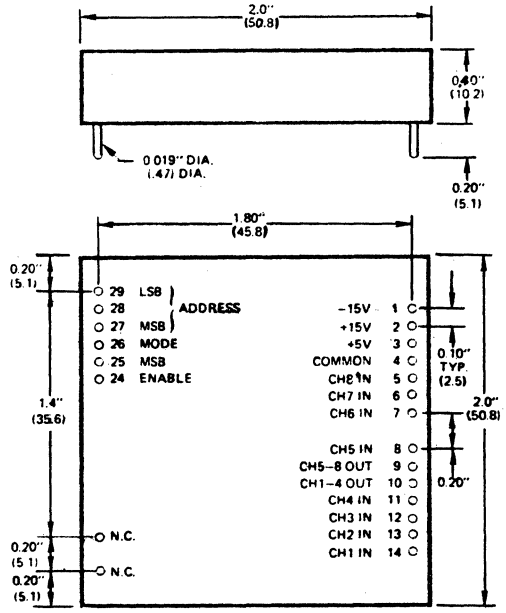
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

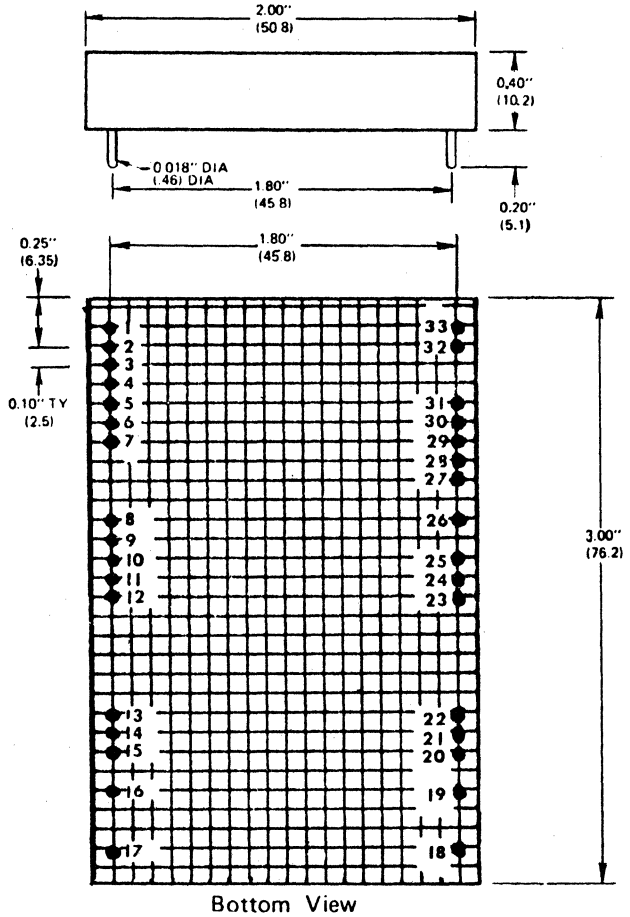
M451



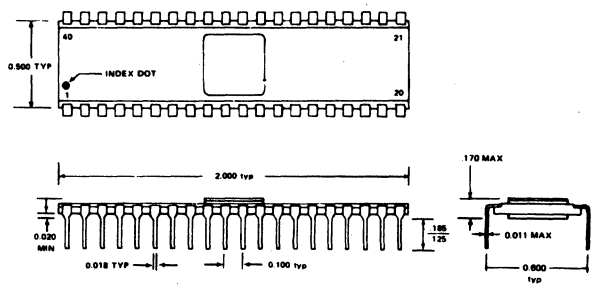
M452



M453



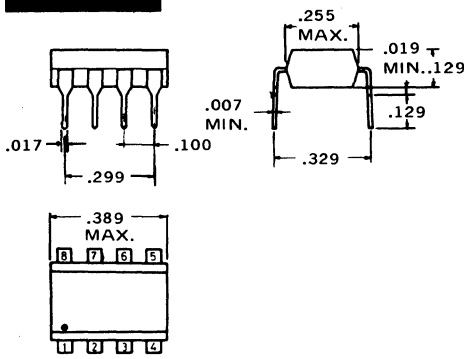
M454



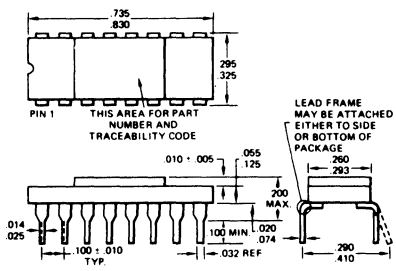
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

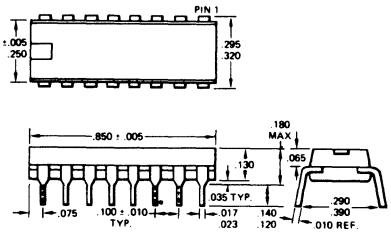
M456



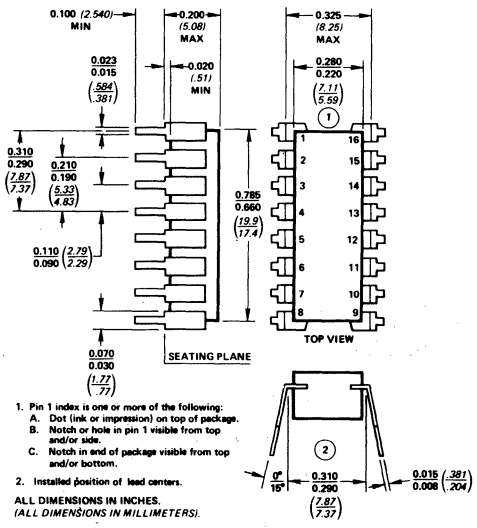
M458



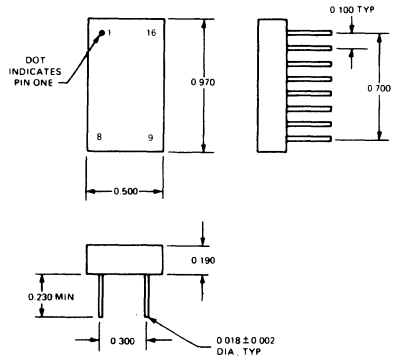
M460



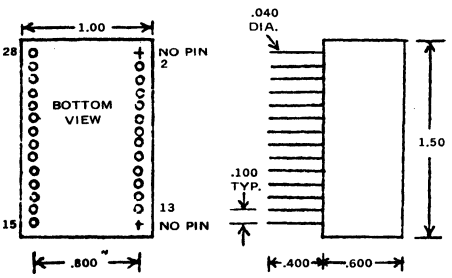
M461



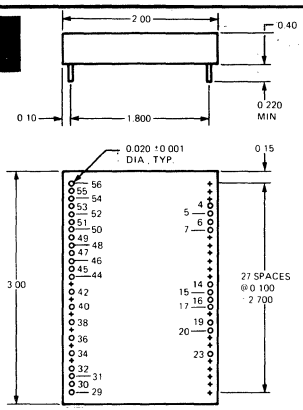
M463



M464



M465

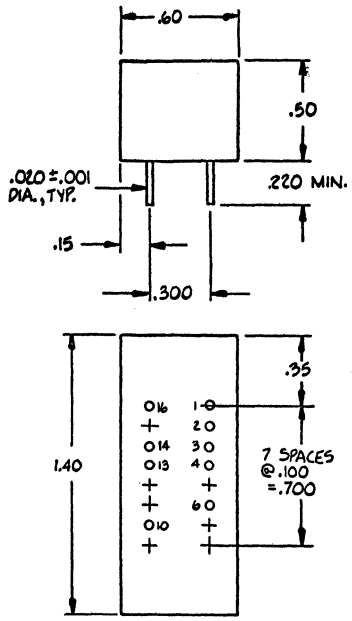


NOTES
1 UNLESS OTHERWISE SPECIFIED DIMENSION TOLERANCES ARE, DECIMALLY, XX ± 02, XXX ± 005
2 (o) DENOTES PIN, (+) DENOTES NO PIN

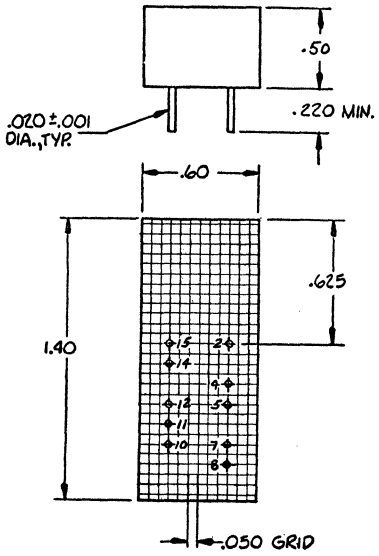
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

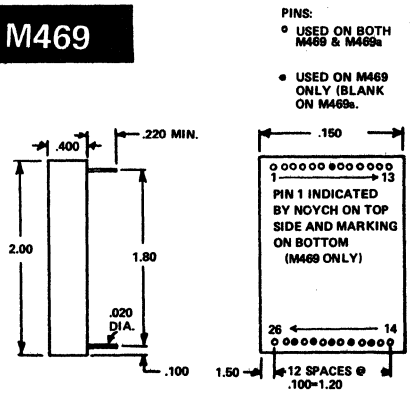
M467



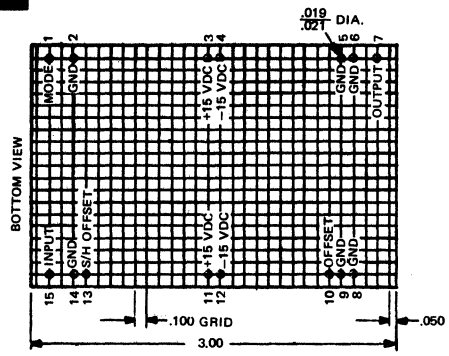
M468

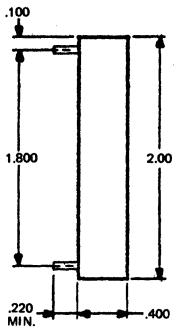


M469



M470

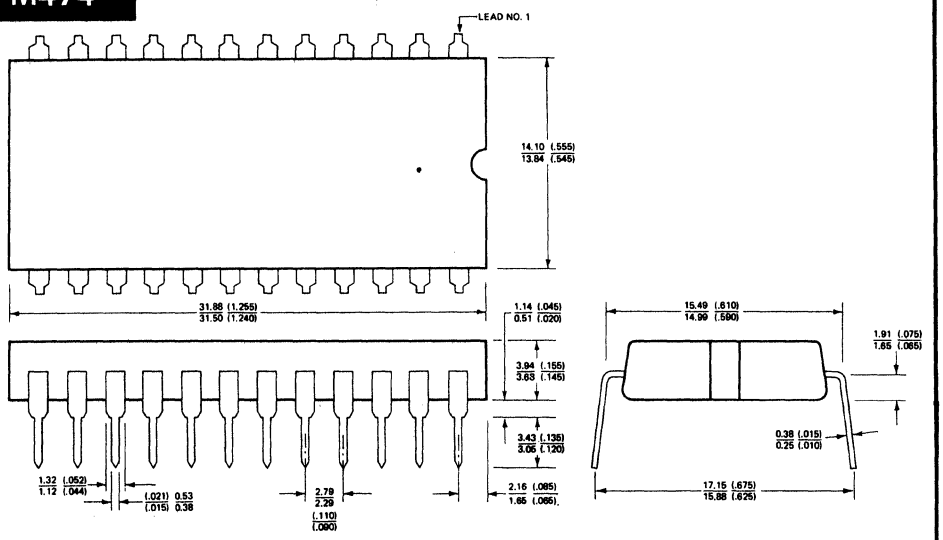




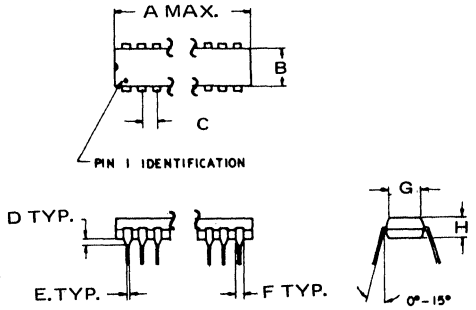
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

M474

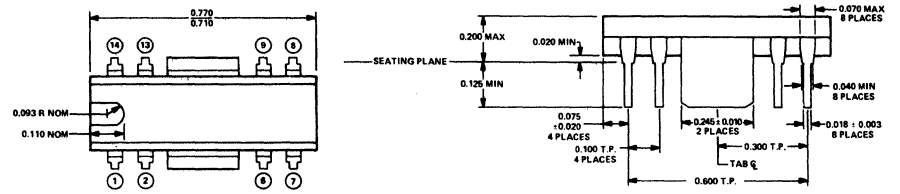


M475



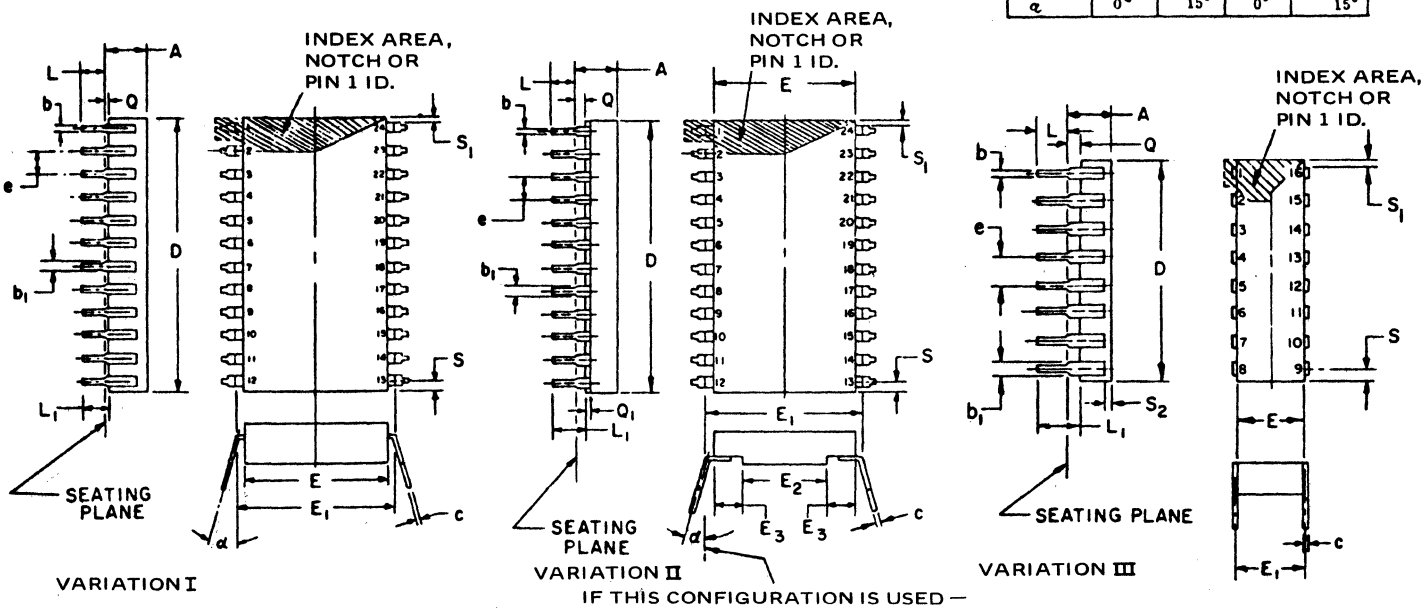
	LEAD POSITIONS	DIMENSIONAL INFORMATION (INCHES)							
		A	B	C	D	E	F	G	H
M475a	14	.745 .770	.240 .260	.100	.020 .050	.014 .020	.050 .065	.240 .260	.155 .200
M475b	14	.690	.240 .310	.090 .110	.020	.015	.040	.245 .275	.200
M475c	14	.765	.250	.092 .106	.040	.020	.060	.235	.130
M475d	16	.745 .785	.240 .260	.100	.020 .050	.014 .020	.050 .065	.240 .260	.135 .155
M475e	16	.700	.290 .310	.090 .110	.055	.015	.040	.245 .275	.145
M475f	16	.765	.250	.092 .106	.040	.020	.060	.235	.130

M476



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A		.200		5.08
b	.014	.023	.36	.58
b_1	.030	.070	.76	1.78
c	.008	.015	.20	.38
D		896		22.76
E	.220	.310	5.59	7.87
E_1	.290	320	7.37	8.13
E_2	.100		2.54	
E_3	.050		1.27	
e	.100 BSC		2.54 BSC	
L	.125	.200	3.18	5.08
L_1	.150		3.81	
Q	.015	.060	.38	1.52
Q_1	.020		.51	
S		.098		2.49
S_1	.005		.13	
S_2	.005		.13	
α	0°	15°	0°	15°

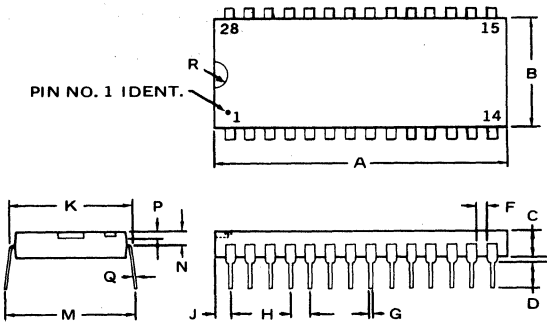
M477



SECTION 13. OUTLINE DRAWING

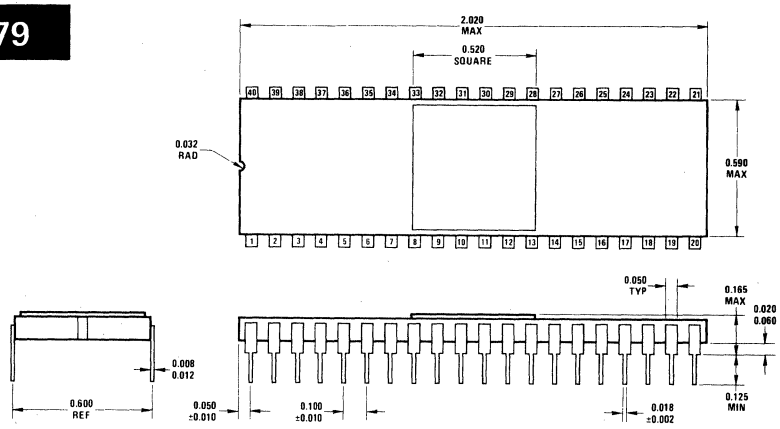
IN DRAWING NUMBER SEQUENCE

M478

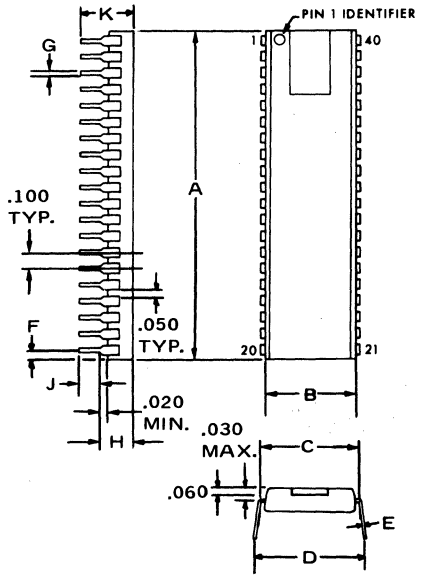


	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	REMARKS
M478	1.470 MAX	.545 .555	.125 .135	.125 MIN	.020 MIN	.050	.015 .021	.100	.060 .090	.600 .620	.610 .650	.060	.030 MAX	.009 .015	.062	
M478a	1.43 1.48	.530 .560	.110 .140	.100 .150	.020 .040		.013 .023	.100		.590 .610				.008 .012		NO NOTCH OR PIN I.D.
M478b	1.425 MAX	.535 .555	.180 MIN	.090 MIN	.020 MIN		.016 .020	.100		.600				.010		

M479

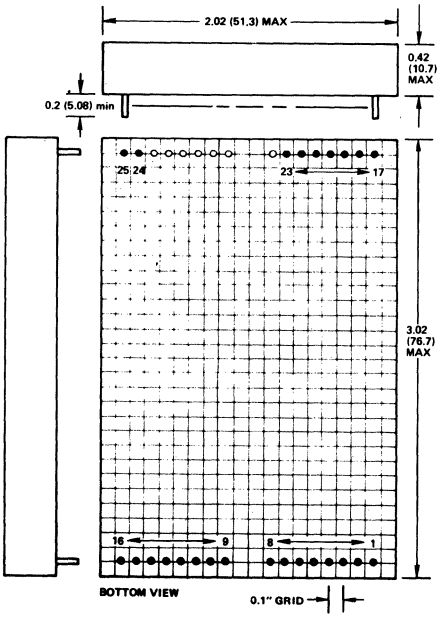


M480

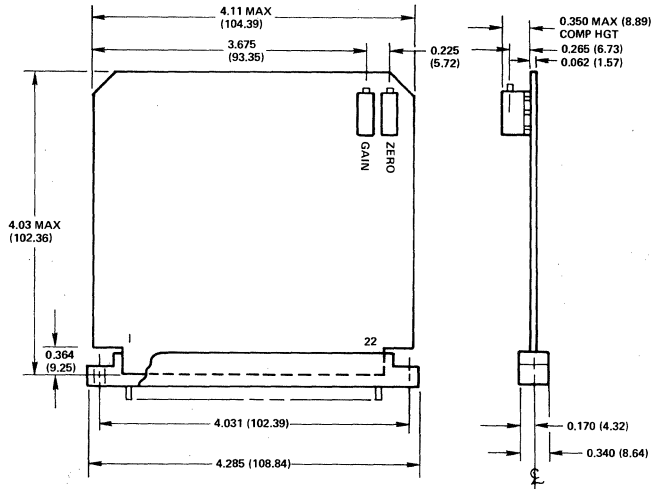


	A	B	C	D	E	F	G	H	J	K
M480	2.070 MAX	.545 .555	.600	.610 .650	.009 .015	.060 .090	.015 .021	.125 .135	.125 MIN	.250 MIN
M480a	2.040 MAX	.540 .560	.600 .620		.010		.016 .020	.220 MAX	.090 MIN	.240 MIN

M481



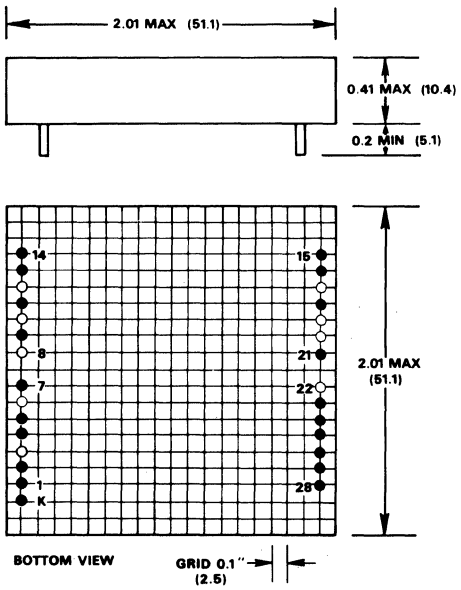
M482



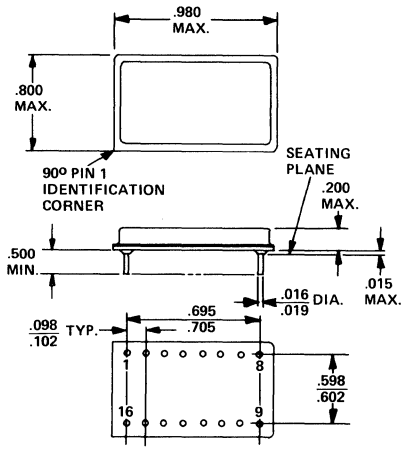
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

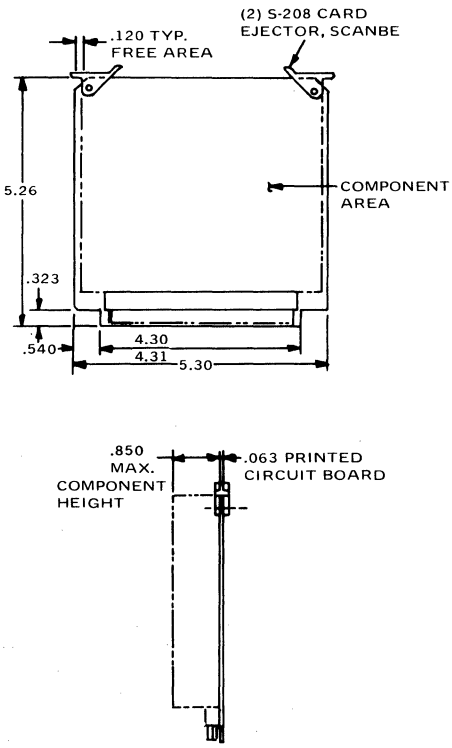
M483



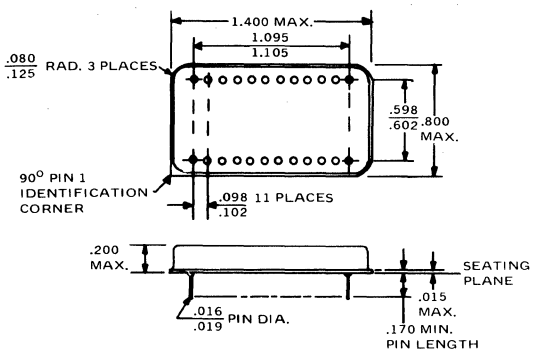
M484



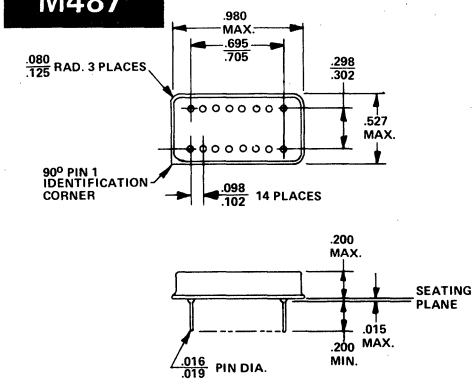
M485



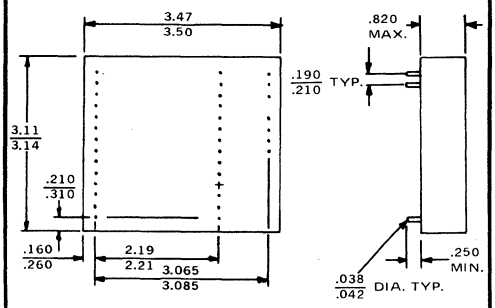
M486



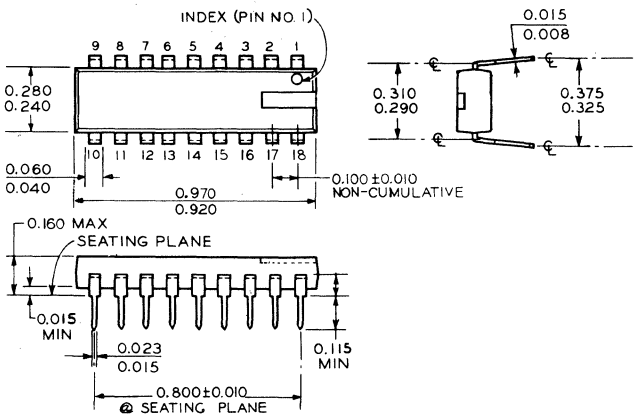
M487



M488



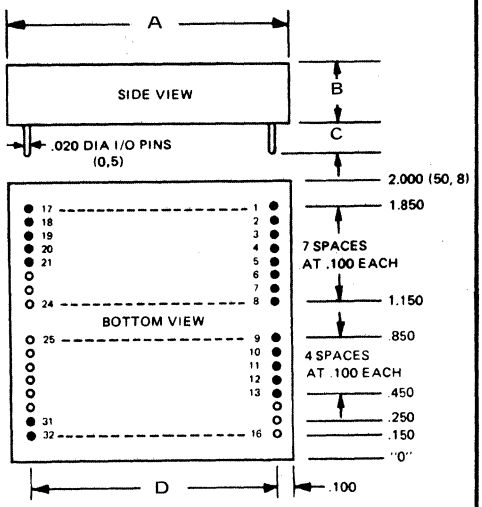
M489



SECTION 13. OUTLINE DRAWING

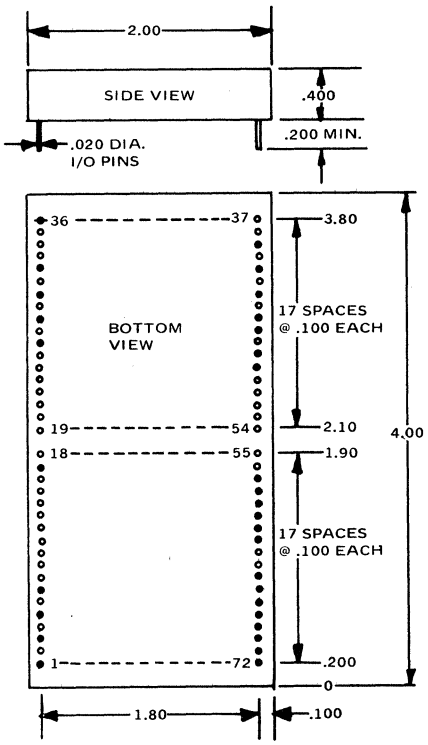
IN DRAWING NUMBER SEQUENCE

M490

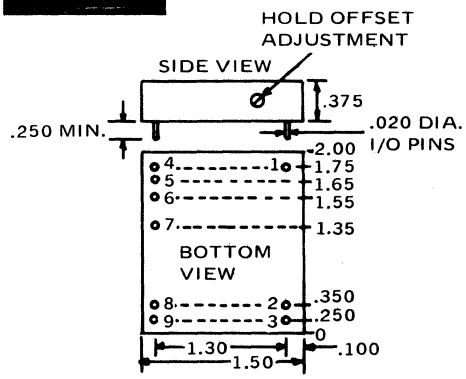


	A	B	C	D
M490	2.000	.375	.250 MIN	1.800
M490a	3.00	.375	.250 MIN	2.800
M490b	4.00	.400	.200 MIN	3.800

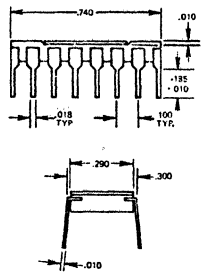
M493



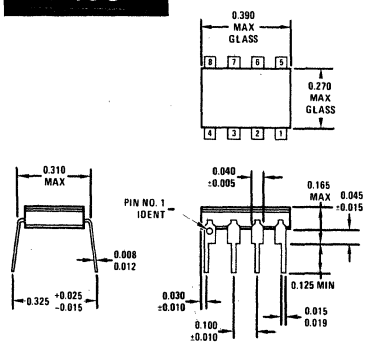
M494



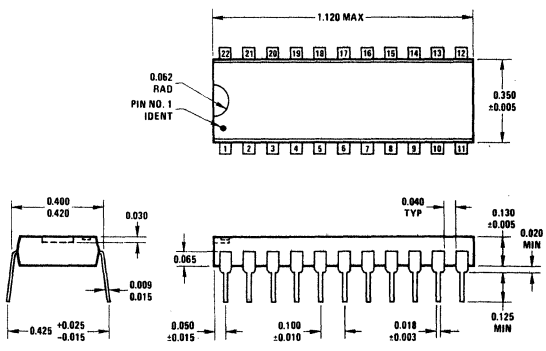
M495



M496



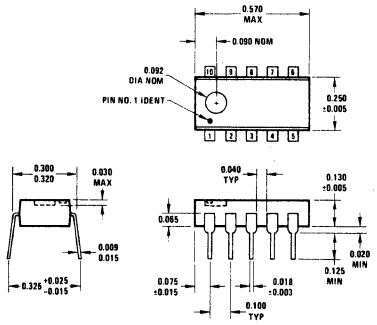
M497



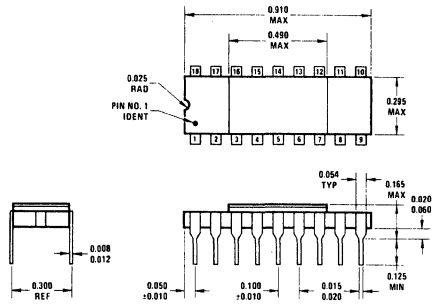
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

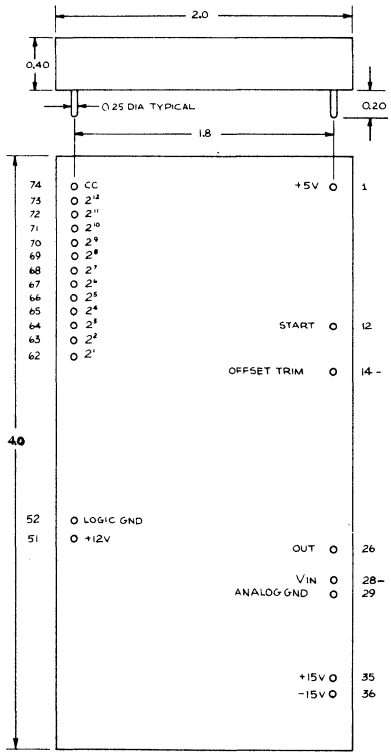
M498



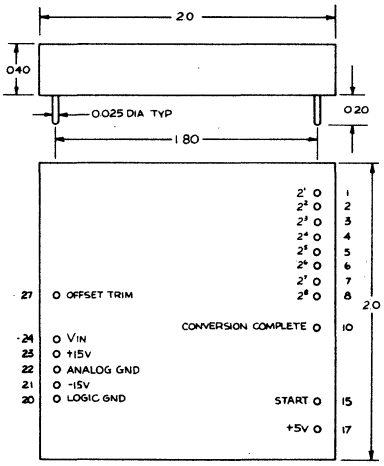
M499



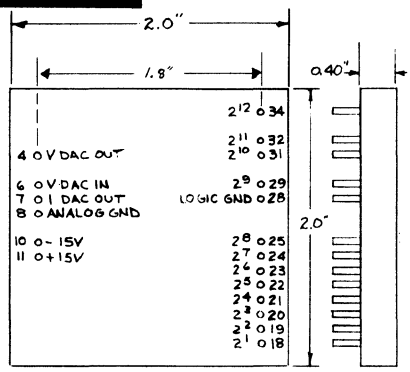
M500



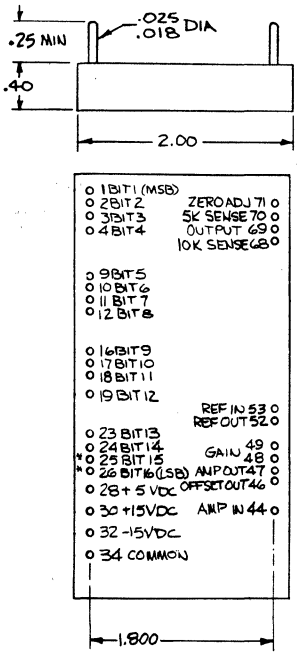
M501



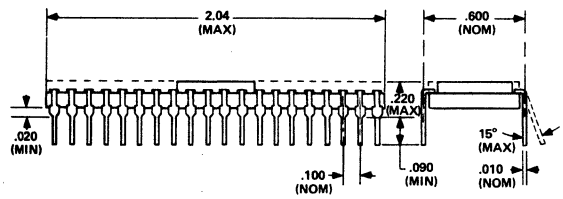
M502



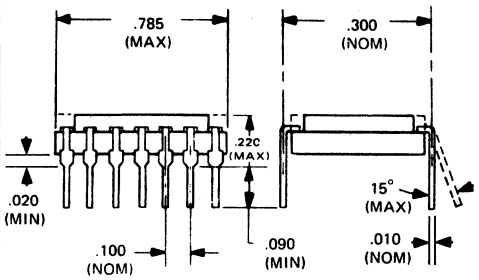
M503



M504



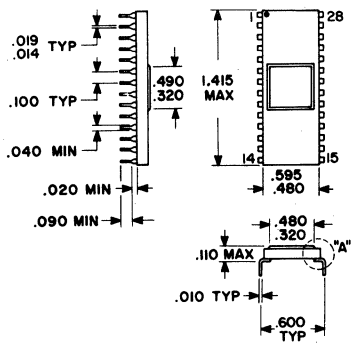
M505



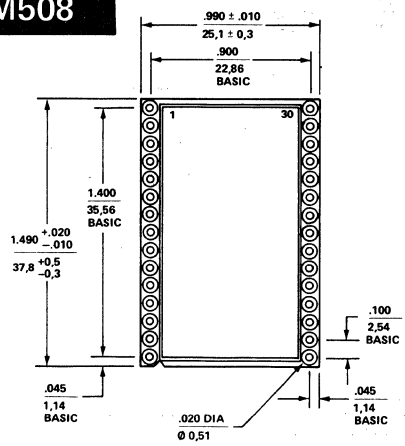
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

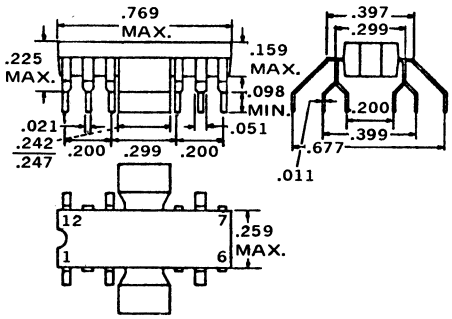
M506

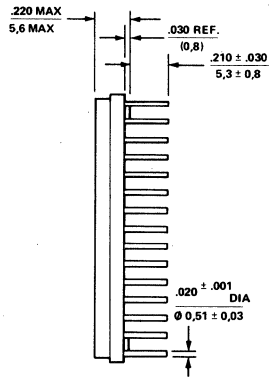


M508

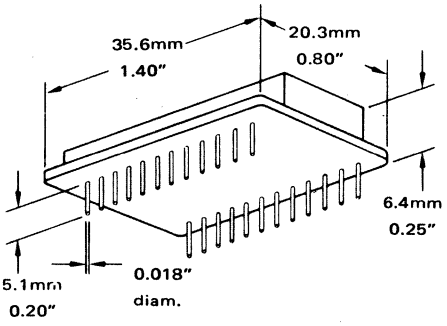


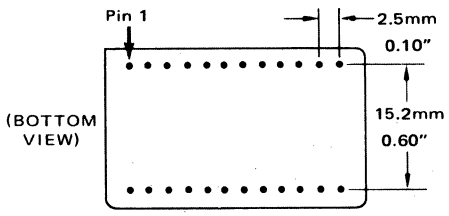
M509



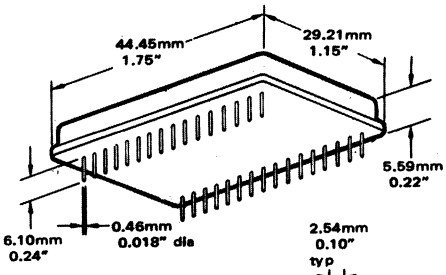


M510

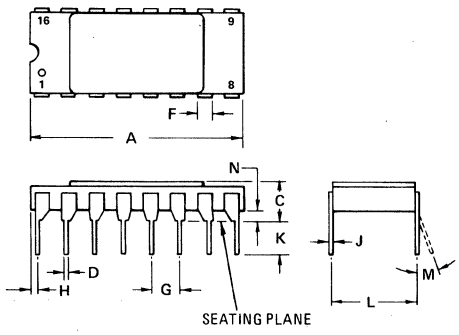




M511



M512



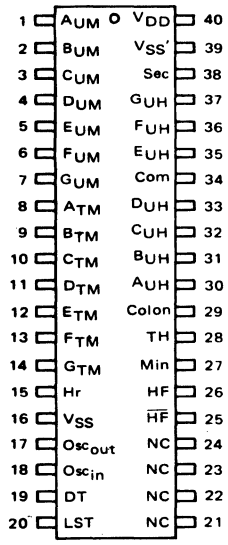
NOTE
1. LEADS WITHIN 0.13 mm (0.005) RADIUS OF TRUE POSITION AT SEATING PLANE AT MAXIMUM MATERIAL CONDITION.

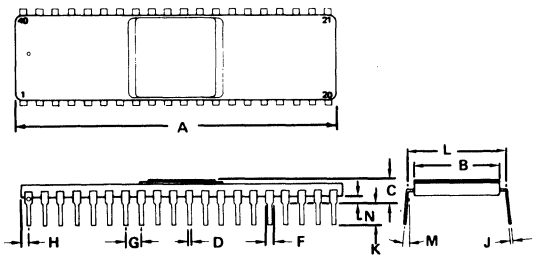
	A	C	D	F	G	H	J	K	L	M	N
M512	.740	.105	.016	.045	.100	.020	.008	.140	.300	10°	.025
	.757	.155	.020	.055	BSC	.028	.012	.190	BSC	MAX	.045
M512a	.763	.200	.015	.049	.100	.053	.007	.100	.299		.019
	MAX	MAX	.023				.013				

SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

M513

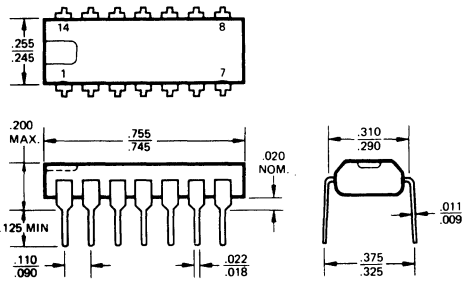




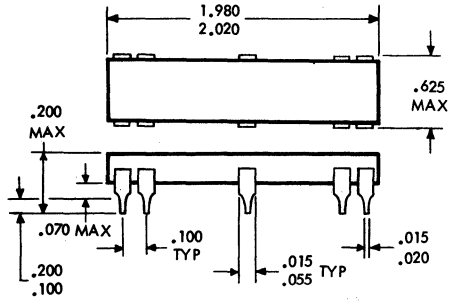
DIM	MILLIMETERS MIN	MAX	INCHES MIN	MAX
A	50.04	51.05	1.970	2.010
B	13.46	14.22	0.530	0.560
C	3.05	3.94	0.120	0.155
D	0.38	0.51	0.015	0.020
F	0.89	1.40	0.035	0.055
G	2.54 BSC		0.100 BSC	
H	0.89	1.40	0.035	0.055
J	0.20	0.28	0.008	0.011
K	3.05	3.68	0.120	0.145
L	14.86	15.87	0.585	0.625
M	–	15°	–	15°
N	0.51	1.14	0.020	0.045

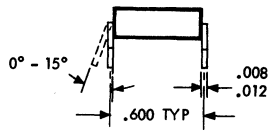
NOTES:
1. LEADS WITHIN 0.13 mm (0.005) RADIUS OF TRUE POSITION AT SEATING PLANE, AT MAXIMUM MATERIAL CONDITION.
2. DIMENSION "L" TO INSIDE OF LEADS (MEASURED 0.51 mm (0.020) BELOW PACKAGE BASE)

M516

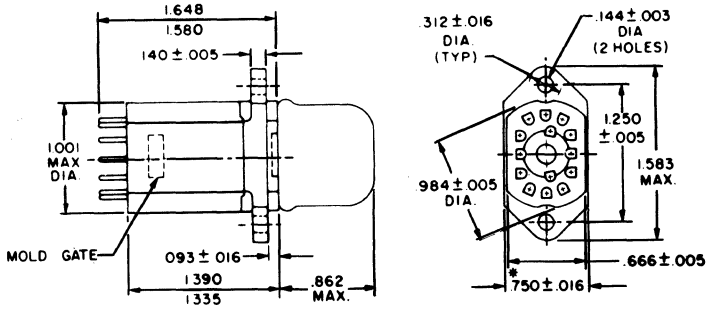


M517

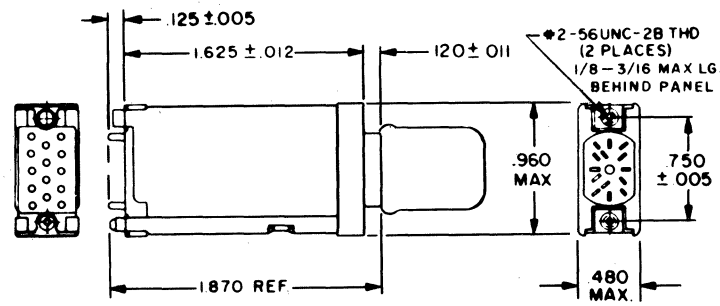




M518



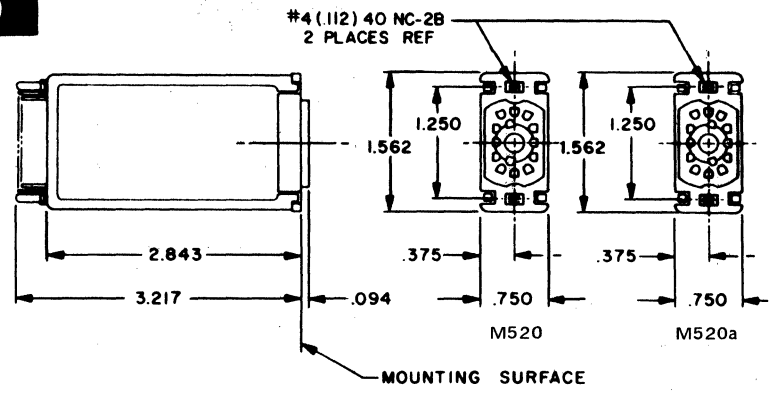
M519



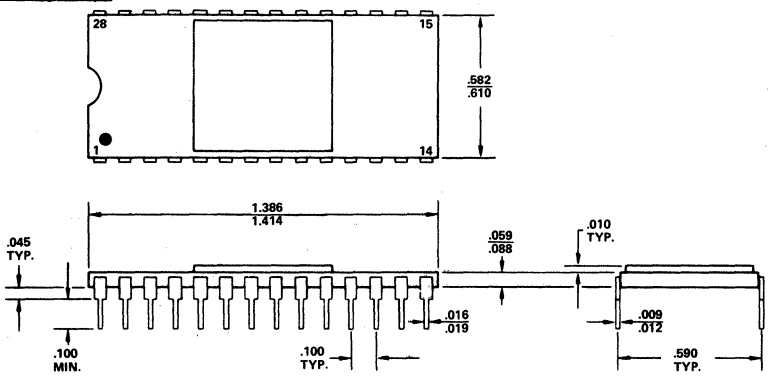
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

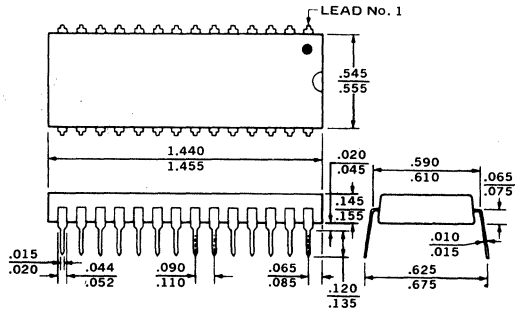
M520



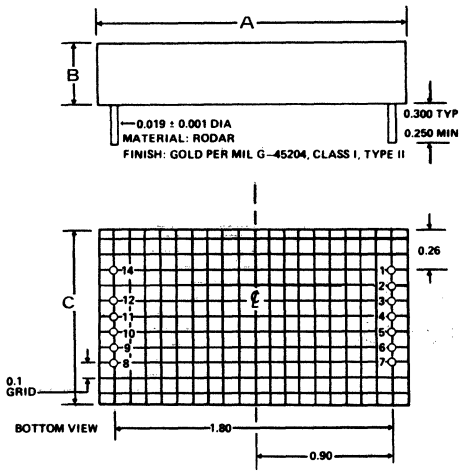
M521



M522

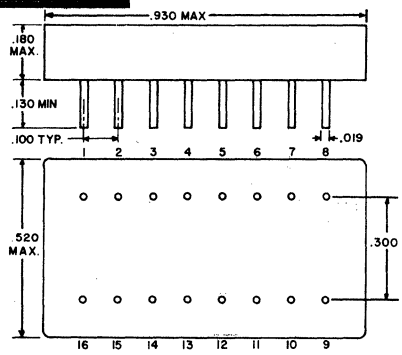


M523

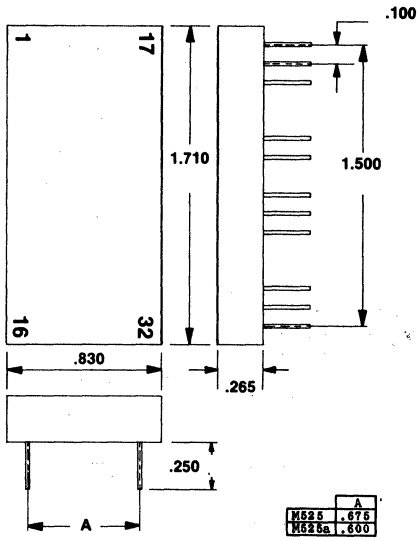


	A	B	C
M523	2.005 MAX	.405 MAX	1.125 1.130
M523a	2.030 MAX	.410 MAX	1.150 MAX

M524

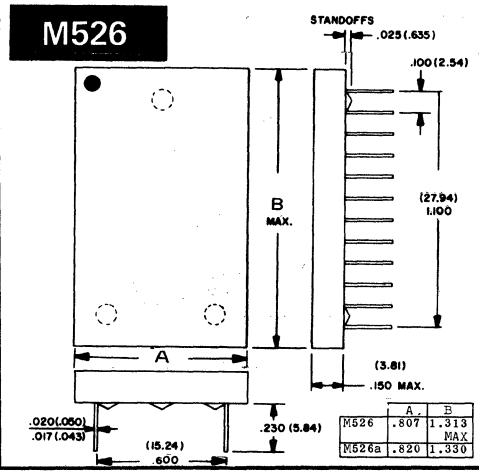


M525



	A
M525	.675
M525a	.600

M526

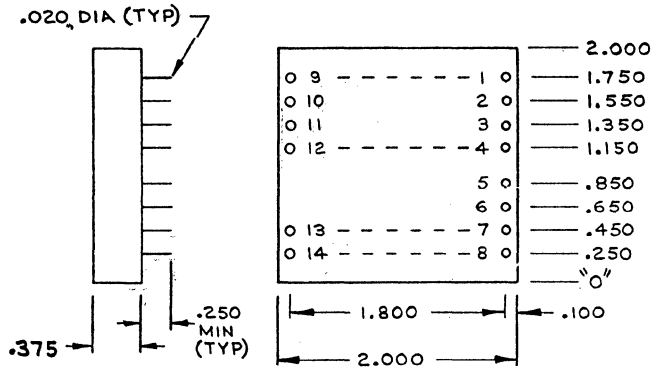


	A	B
M526	.807	1.313 MAX
M526a	.820	1.330

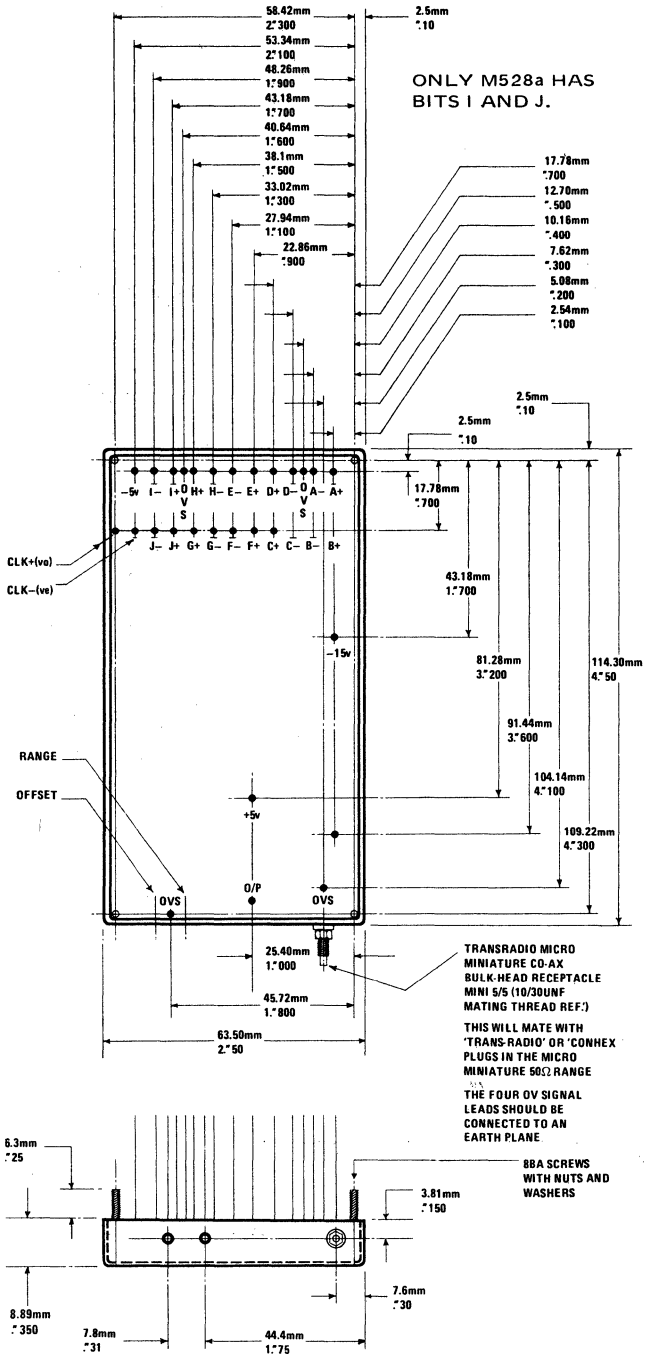
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

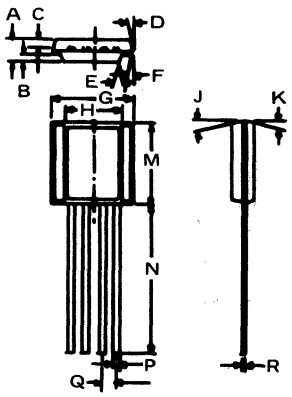
M527



M528

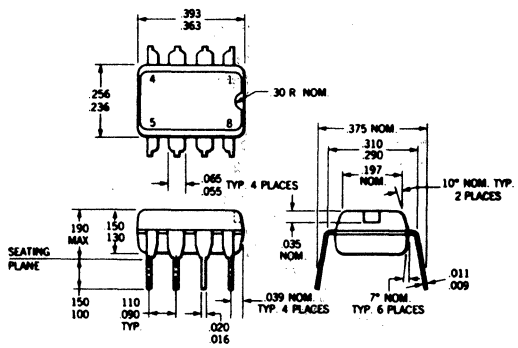


M529



	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R
M529	.087 MAX	.031 TYP	.028 TYP	9° TYP	9° TYP	9° TYP	.283 MAX	.200 MAX	9° TYP	9° TYP	.283 MAX	.472 MAX	.026 MAX	.050 TYP	.018 MAX
M529a	.074 .082	.043 .051	.023 .031	6° 12°	6° 12°	6° 12°	.271 .279	.192 .200	6° 12°	6° 12°	.271 .279	.472 MAX	.026 MAX	.050 TYP	.018 MAX

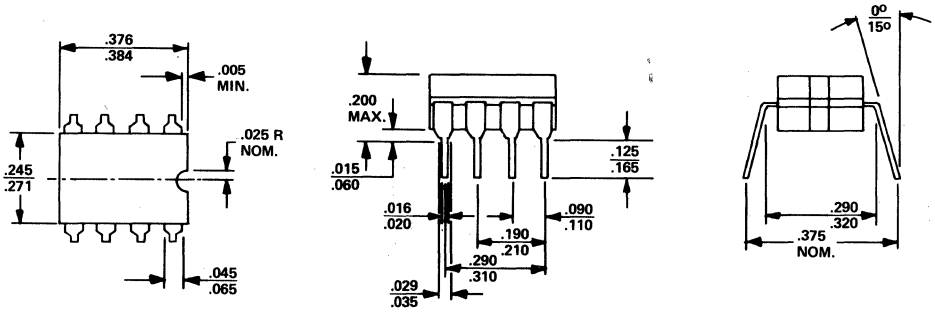
M530



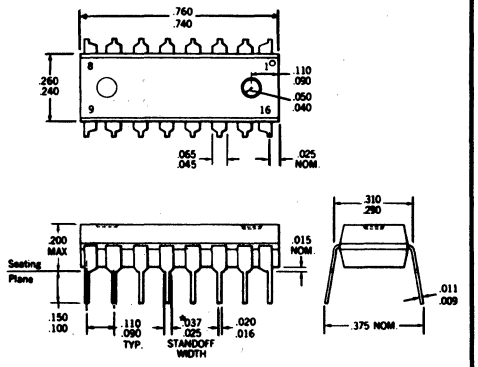
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

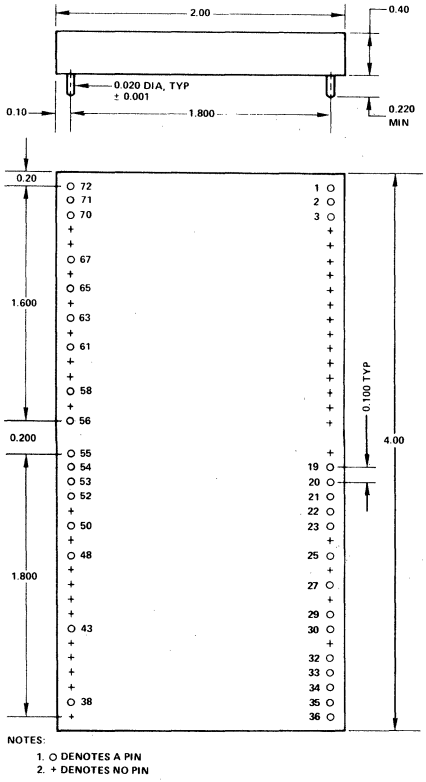
M531



M532



M533

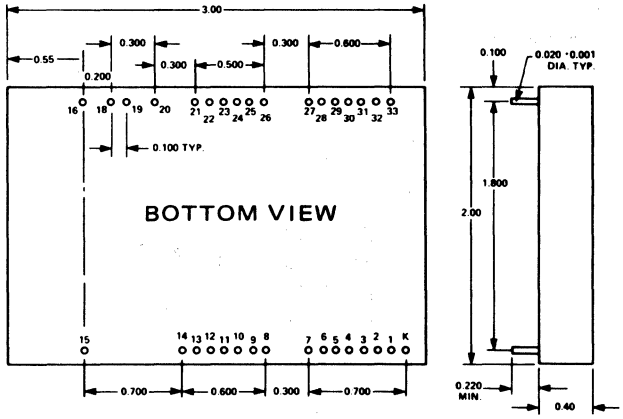


NOTES:
1. ○ DENOTES A PIN
2. + DENOTES NO PIN

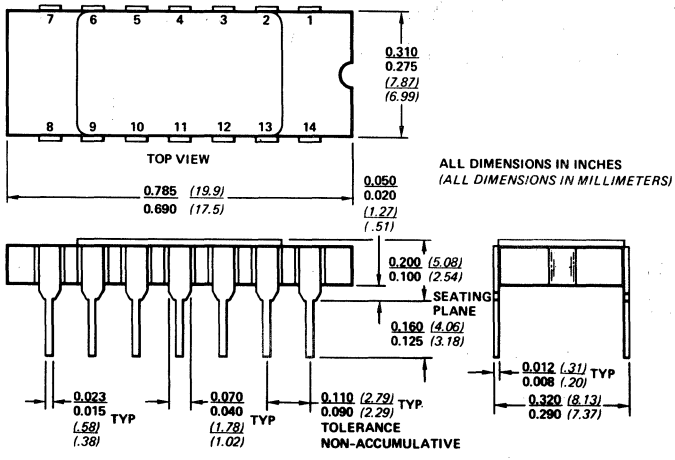
M534

PIN CONNECTIONS

PIN	FUNCTION	PIN	FUNCTION
K	N/C (TP7)		
1	8000	18	FEEDBACK
2	N/C (TP6)	19	OUTPUT
3	4000	20	BALANCE
4	N/C (TP5)	21	-15V
5	2000	22	GROUND
6	N/C (TP4)	23	80
7	1000	24	40
8	N/C (TP3)	25	20
9	800	26	10
10	N/C (TP2)	27	N/C
11	400	28	N/C
12	N/C (TP1)	29	N/C
13	200	30	8
14	100	31	4
15	GAIN	32	2
16	+15V	33	1



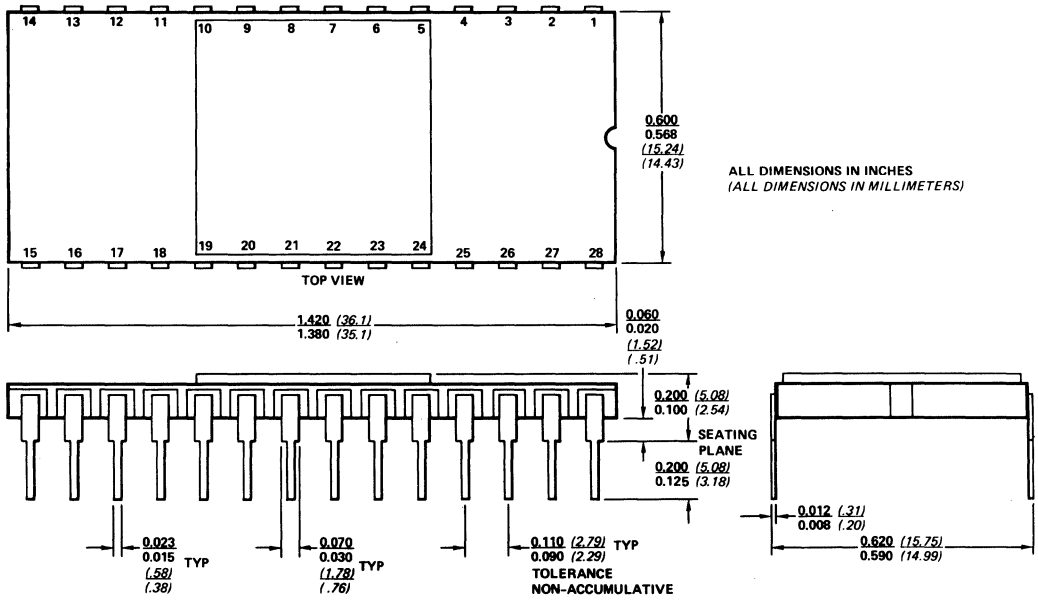
M535



SECTION 13. OUTLINE DRAWING

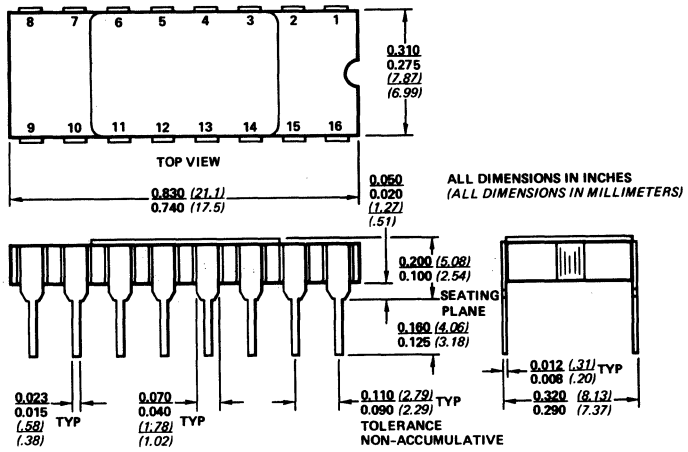
IN DRAWING NUMBER SEQUENCE

M536



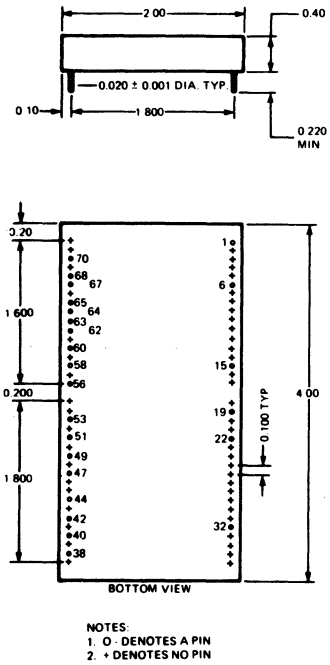
ALL DIMENSIONS IN INCHES
(ALL DIMENSIONS IN MILLIMETERS)

M537



ALL DIMENSIONS IN INCHES
(ALL DIMENSIONS IN MILLIMETERS)

M538

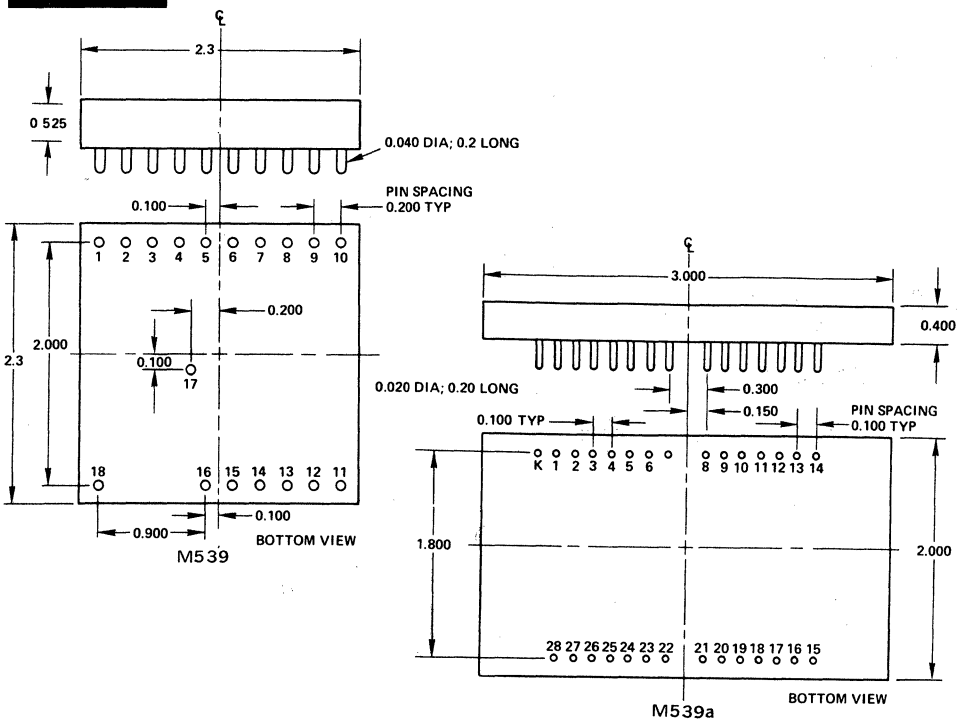


NOTES:
1. O - DENOTES A PIN
2. + DENOTES NO PIN

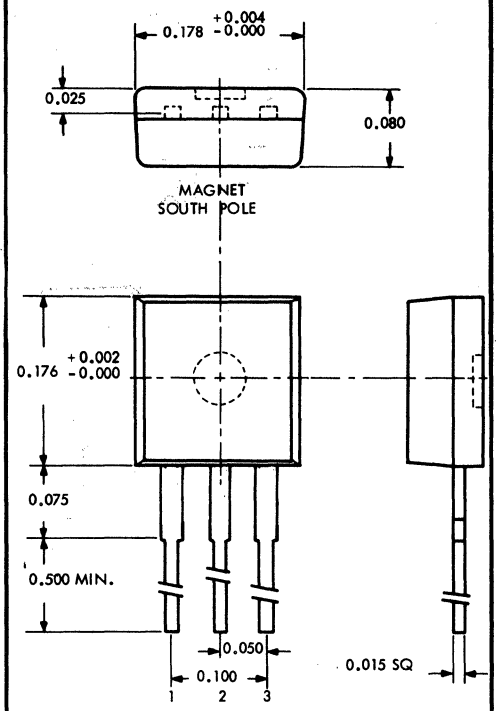
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

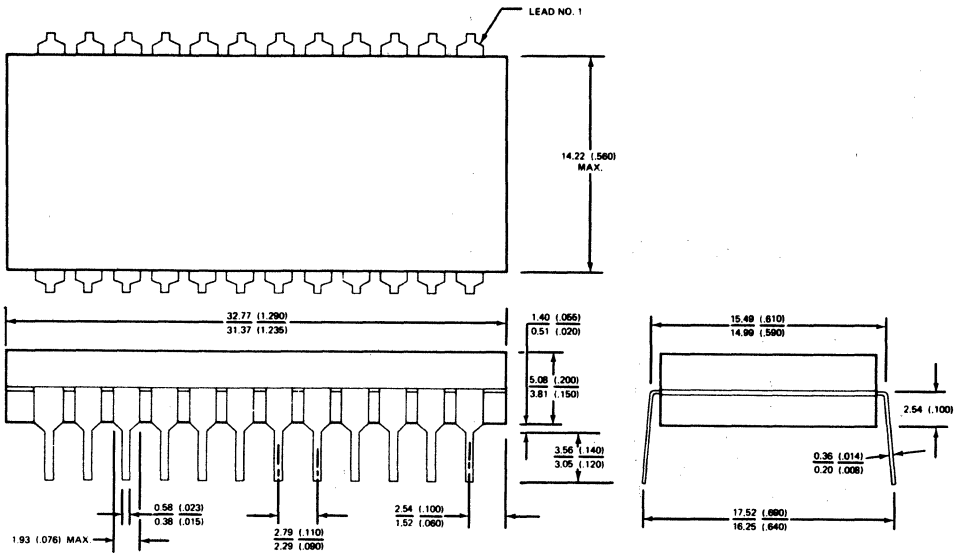
M539



M540



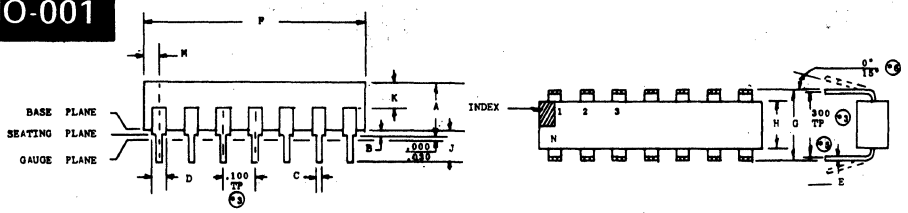
M541



SECTION 13. OUTLINE DRAWING

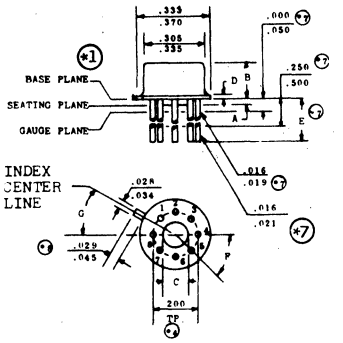
IN DRAWING NUMBER SEQUENCE

MO-001



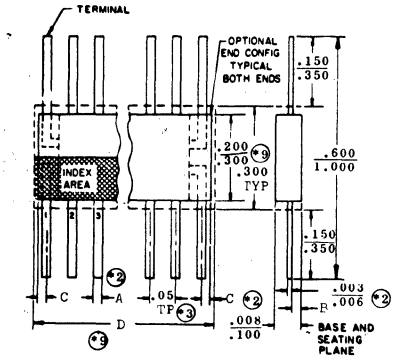
	A	B	C	D	E	F	G	H	J	K	M	NO. OF LEADS
MO001AA	.200 MAX	.020 MIN	.015 .023	.030 .070	.008 .015	.660 .785	.325 MAX	.220 .280	.100 MIN			14
MO001AB	.155 .200	.020 .050	.014 .020	.050 .065	.008 .012	.745 .770	.300 .325	.240 .260	.125 .150	.040 .075	.065 .090	14
MO001AC	.155 .200	.020 .050	.014 .020	.035 .065	.008 .012	.745 .785	.300 .325	.240 .260	.125 .150	.040 .075	.015 .060	16
MO001AD	.120 .160	.020 .065	.014 .020	.050 .065	.008 .012	.745 .770	.300 .325	.240 .260	.125 .150	.050 .085	.065 .090	14
MO001AE	.120 .160	.020 .065	.014 .020	.035 .065	.008 .012	.745 .785	.300 .325	.240 .260	.125 .150	.050 .085	.015 .060	16

MO-002



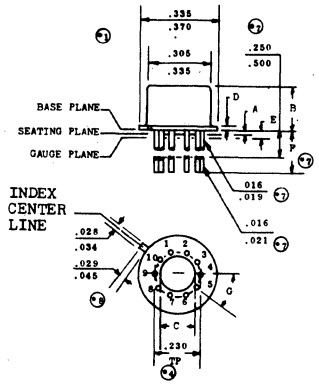
	A	B	C	D	E	F	NO.OF LEADS	NO.OF LEADS MISSING	G
MO002AA	.010 .040	.240 .260	.140 .160	.040 MAX	.500 MIN	45° TP	8	1	22.5° TP
MO002AB	.010 .040	.240 .260	.140 .160	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AC	0 0	.240 .260	0 0	.040 MAX	.500 MIN	30° TP	12	1	15° TP
MO002AD	0 0	.240 .260	0 0	.040 MAX	.500 MIN	36° TP	10	1	18° TP
MO002AE	0 0	.240 .260	0 0	.040 MAX	.500 MIN	60° TP	6	1	0° TP
MO002AF	0 0	.240 .260	0 0	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AG	0 0	.165 .185	0 0	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AH	0 0	.140 .160	0 0	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AJ	0 0	.085 .105	0 0	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AK	.010 .040	.165 .185	.140 .160	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AL	.010 .050	.165 .185	.125 .160	.020 .040	.500 .562	45° TP	8	3	0° TP

MO-004



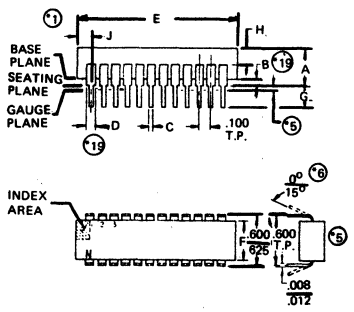
	A	No.OF LEADS	B	C	D
MO004AA	.015 .019	14	.005 .050	.000 .025	.350 TYP
MO004AB	.013 .017	14	.005 .050	.000 .025	.350 TYP
MO004AC	.015 .019	14	.000 .097	.000 .025	.350 TYP
MO004AD	.015 .019	10	.005 .050	.000 .050	.300 TYP
MO004AE	.015 .019	10	.005 .050	.000 .025	.250 TYP
MO004AF	.015 .019	14	.005 .050	.000 .050	.400 TYP
MO004AG	.015 .019	16	.005 .050	.000 .025	.400 TYP
MO004AH	.015 .019	16	.005 .050	.000 .050	.450 TYP

MO-006

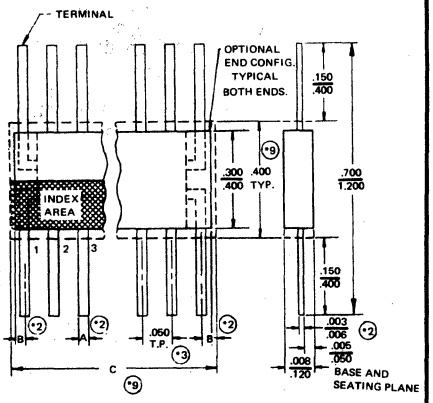


	A	B	C	D	E	F	G	No.OF LEADS
MO006AA	.010 .040	.240 .260	.140 .160	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AB	0 0	.240 .260	0 0	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AC	0 0	.140 .160	0 0	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AD	.010 .140	.165 .185	.140 .160	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AE	.010 .040	.165 .185	.140 .160	.040 MAX	.050 MAX	.500 MIN	30° TP	12
MO006AF	0 0	.165 .185	0 0	.020 .040	.000 .050	.500 .562	36° TP	10
MO006AG	0 0	.165 .185	0 0	.020 .040	.000 .050	.500 .562	30° TP	12

MO-015



MO-019



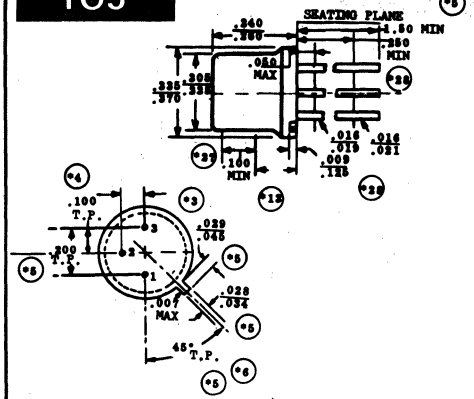
	A	B	C	No.OF LEADS
MO019AA	.015 .019	.000 .050	.650 TYP	24
MO019AB	.018 .022	.000 .075	.800 TYP	28

	A	B	C	D	E	F	G	H	J	NO.OF LEADS	NO.OF PINS MISSING
MO015AA	.120 .250	.020 .070	.016 .020	.028 .070	1.20 1.29	.515 .580	.100 .200	.040 .075	.040 .100	24	0
MO015AB	.120 .250	.020 .070	.016 .020	.028 .070	.700 .840	.515 .580	.100 .200	.040 .075	.040 .100	16	0
MO015AC	.120 .250	.020 .070	.016 .020	.028 .070	1.80 1.89	.515 .580	.100 .200	.065 .105	.040 .100	36	0
MO015AD	.100 .200	.000 .070	.015 .020	.015 .055	1.17 1.21	.515 .580	.100 .200	.020 .080	.025 .050	24	0
MO015AE	.100 .200	.000 .070	.015 .020	.015 .055	.770 .810	.515 .580	.100 .200	.020 .080	.025 .050	16	0
MO015AF	.100 .200	.000 .070	.015 .020	.015 .055	1.77 1.18	.515 .580	.100 .200	.020 .080	.025 .050	36	0
MO015AG	.090 .150	.020 .050	.014 .020	.050 .054	1.220 1.290	.520 .550	.125 .150	.020 .060	.050 .100	24	4
MO015AH	.100 .200	.000 .070	.015 .020	.015 .055	1.380 1.420	.485 .515	.100 .200	.020 .070	.040 .070	28	0
MO015AJ	.100 .200	.000 .070	.015 .020	.015 .055	1.980 2.020	.485 .515	.100 .200	.020 .070	.040 .070	40	0
MO015AK	.145 .175	.030 .050	.015 .020	.040 .050	1.240 1.260	.540 .560	.100 .140	.045 .075	.065 .085	24	0

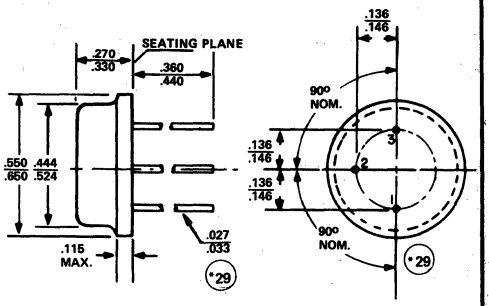
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

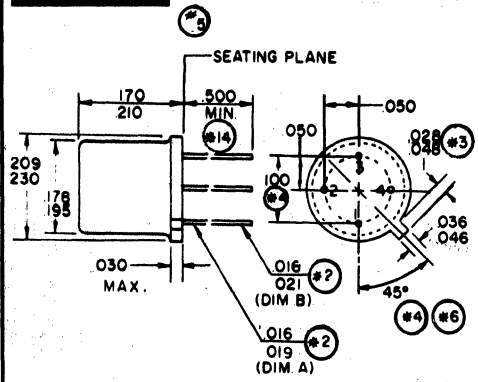
TO5



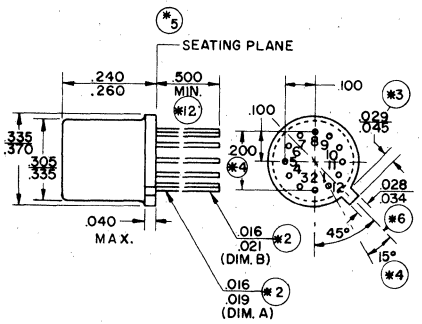
TO-8



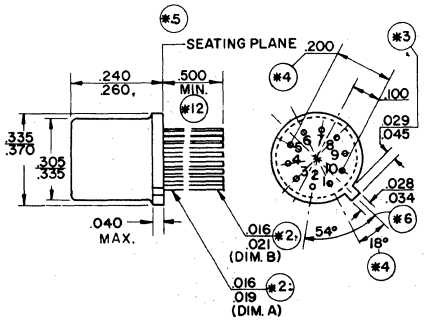
TO72



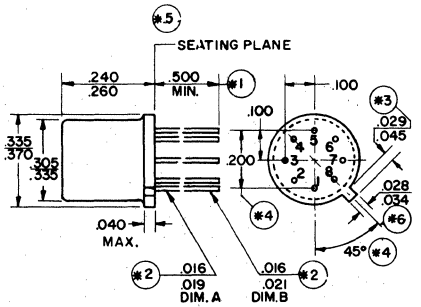
TO-73



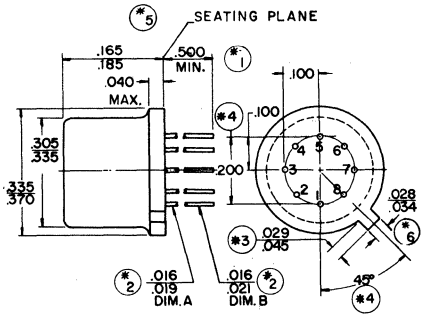
TO-74



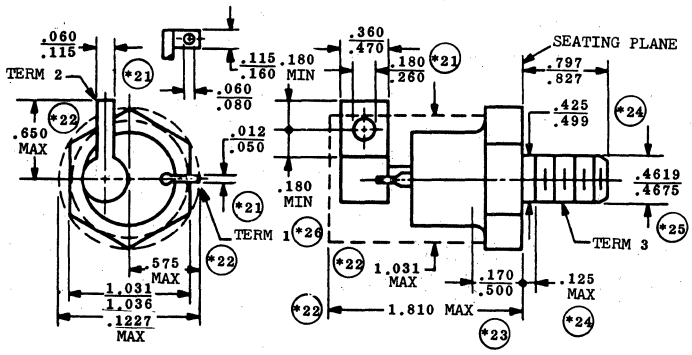
TO-77



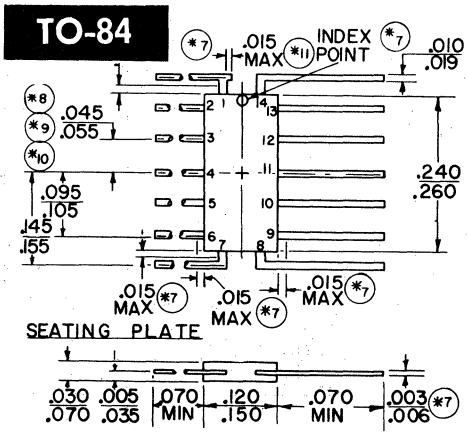
TO-78



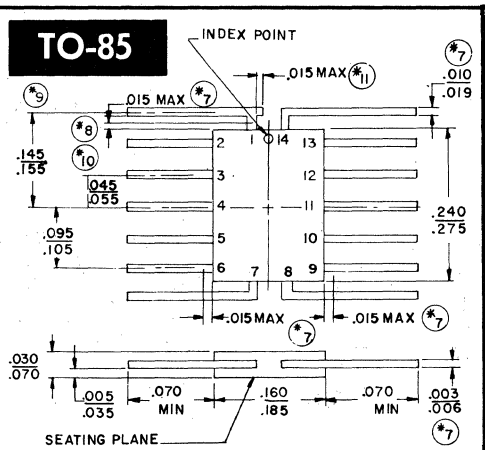
TO83



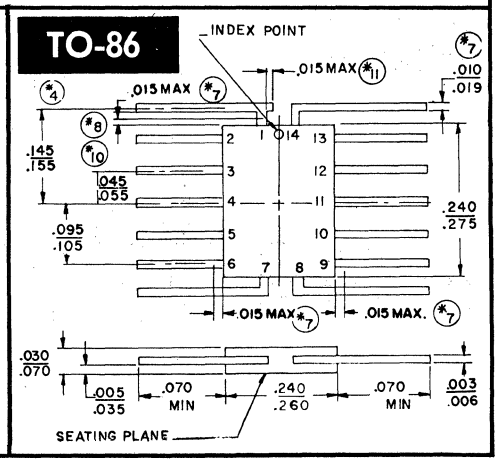
TO-84



TO-85



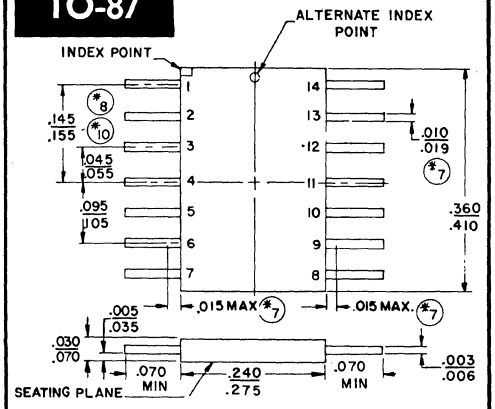
TO-86



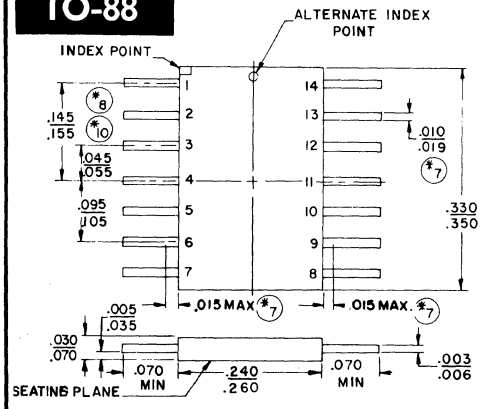
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

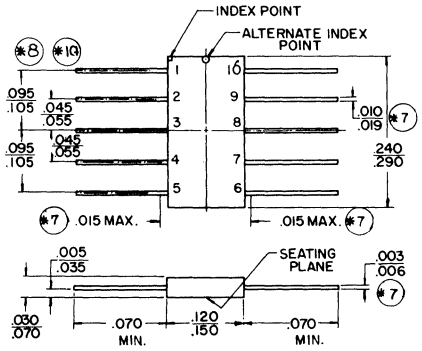
TO-87



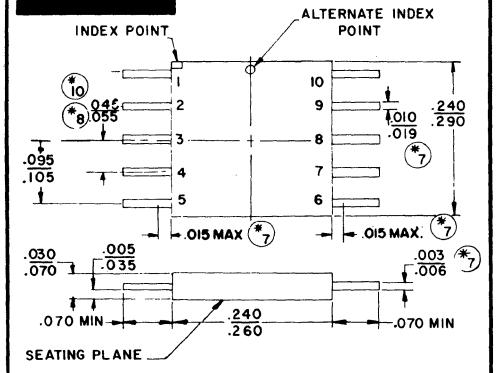
TO-88



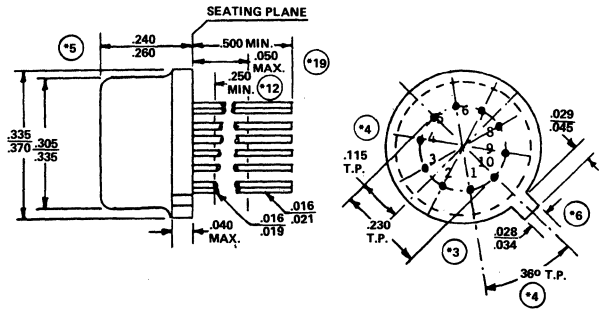
TO-89



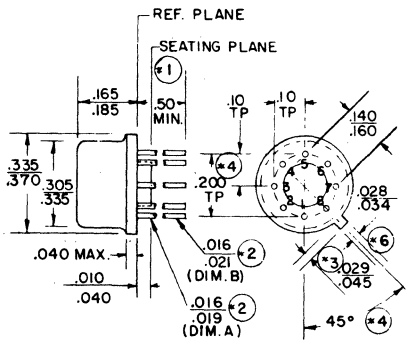
TO-91



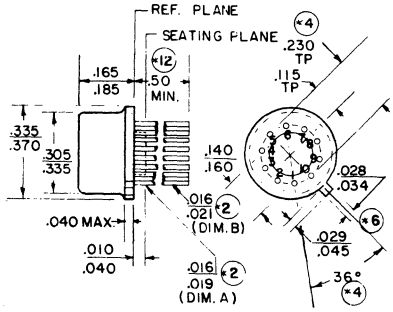
TO96



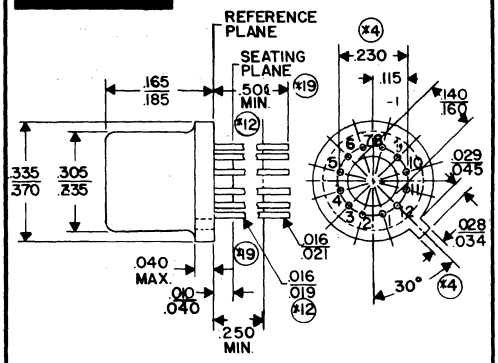
TO-99



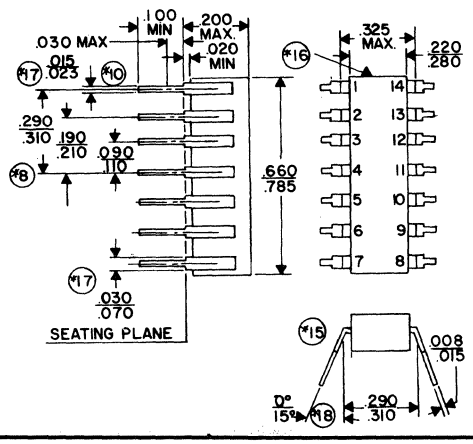
TO-100



TO-101



TO-116



JEDEC "MO" DRAWING NOTES

1. Refer to rules for dimensioning axial lead product outlines.
2. Refer to rules for dimensioning peripherial lead outlines.
3. Leads within .005 radius of true position (TP) at gauge plane with maximum material condition and unit installed.
4. Leads within .003 or .007 radius of true position (TP) at gauge plane with maximum material condition.
5. Apply in zone measured .000 to .030 when unit installed. Leads within .005 radius of (TP) at gauge plane with maximum material condition.
6. Applies to spread leads prior to installation.
7. Dimension .016 to .019 applies between dimensions .000 to .050 and .250 to .500. Dimension .016 to .021 applies between dimensions .250 to .500 and .500 from seating plane. Diameter is uncontrolled in dimension .000 to .050 and beyond dimension .500.
8. Measured from maximum diameter of device.
9. These dimensions determine a zone within which all body and lead irregularities lie.
10. Body stand off four places, spherical radius on seating surface. Terminal lead stand offs omitted.
11. The body stand off group is centered on the module and the stand offs shall be within a .010 radius of their TP measured at gauge plane.
12. Mechanical index.
13. Radius three sides.
14. Draft four sides.
15. Either numeric or Alpha-numeric terminal lead designation system may be used for this outline. Alpha-numeric system is preferred.
16. Terminal lead stand off, four places. Centered on pin within .006. Body stand offs omitted.
17. Contour within dotted outline optional.
18. The dimension .016 to .019 applies between the dimensions .025 max and .070 min. Diameter is uncontrolled within the .025 dimension.
19. When base of body is to be attached to heat sink, terminal lead stand offs are not required and Dim. B equals 0. When Dim. B equals 0, the leads emerge from the body with the D dim. and reduce to the C dim. above the seating plane.
20. Contour optional.
21. Pin spacing is .100 TP except for outer most rows where spacing is 1.5x.100 TP. (For example - spacing between pin #64 and #1 is .150 TP, where as spacing between pin #1 and #2 and #3, etc. is .100 TP.)
22. Typical all sides.
23. Terminal lead shall be within .203 mm radius of their TP measured at gauge plane.
24. Visual index position relates to JEDEC outline TO-69. Visual index located within index area is preferred.
25. Distance between lead centerlines.

JEDEC "TO" DRAWING NOTES

1. Maximum number of leads omitted in this outline, Three (3). The number and position of present are indicated in the product registration. Outline designation determined by the location and minimum angular spacing of any two adjacent leads.
2. (All leads) Diameter is uncontrolled to .050 from seating plane and beyond minimum tolerance of lead length (1.5 or .5) from seating plane. Dim. A applies between .050 and .250 from seating plane. Dim. B applies between .250 and minimum tolerance of lead length from seating plane.
3. Measured from maximum diameter of the actual device.
4. Leads having maximum diameter .019 (.483MM) measured in gaging plane .054 (1.37MM) - .001 (.025MM) - .000 (.00MM) below the seating plane of the product shall be within .007 (.178MM) of their true position relative to a maximum width tab.
5. The product may be measured by direct methods or by gage.
6. Tab centerline.
7. Lead dimensions uncontrolled in this zone to allow for body and lead finish irregularities.
8. Leads missing from their designated positions shall also be counted when numbering leads for specific applications.
9. Spacing and angle of the end leads at the point of emergence of body is not controlled.
10. Leads spacing shall be measured within .030 (.762MM) from the point of emergence from the body or, as in the case of end lead, from the point where the extension of the body outline intersects the end leads.
11. Mechanical index, optional.
12. Maximum number of leads omitted in this outline, One (1). The number and position of leads actually present are indicated in the product registration. Outline designation determined by the location and minimum angular spacing of any two adjacent leads.
13. Irregularity in body outline not controlled in this zone.
14. Maximum number of leads omitted in this outline, None (0). The number and position of leads actually present are indicated in the product registration. Outline designation determined by the location and minimum angular or linear spacing of any two adjacent leads.
15. Overall installed width.
16. Index to be visible from top, this end only.
17. Lead transition geometry from .015/.023 to .030/.070 optional on body side of seating plane.
18. Installed position of lead centers.
19. (All leads) .016/.019 applies between .050 max. and .250 min. .016/.021 applies between .250 min. and .500 (12.70MM) from reference plane. Diameter is uncontrolled in .050 max. and beyond .500 (12.70MM) from reference plane.
20. Contour of package beyond this zone optional, but must be confined with .310/.330 and .120/.240.
21. Contour and orientation of fixed terminal lugs are undefined.
22. The body and terminals of the device, with the exception of the extended lug length .650 max and .575 max, lies within the cylinder defined by 1.227 max. and length 1.810 max.
23. A chamfer (or undercut) on one or both ends of the hexagonal portions is optional.
24. Length of incomplete or undercut threads of dim. .425 min and .499 max.
25. Pitch dia. of 1/2-20UNF-2A (coated) threads (ASA B1.1-1960).
26. Minimum flat.
27. This zone is controlled for automatic handling. The variation in actual diameter within the zone shall not exceed .010 in.
28. (Three leads) Dimension .016 min. and .019 max. applies between .050 max. and .250 min. Dimension .016 min. and .021 max. applies between .250 min. and 1.5 in. from seating plane. Diameter is uncontrolled in .050 max. and beyond 1.5 in. from seating plane.
29. Three Leads.

SECTION 14.

DIGITAL IC

Manufacturers' Local Offices

These manufacturers have listed their local office in this section for your convenience. Please contact the local office nearest you for any additional information you may need.

(MANUFACTURERS IN ORDER OF D.A.T.A. CODE LETTERS)

ALGG – AEG-TELEFUNKEN

	Zip Code	Telephone No.	Telex
Postfach 1109, D7100 Heilbronn, Germany		07131-9921	728746

APX – AMPEREX ELECTRONIC CORPORATION

			Zip Code	Telephone No.	TWX
Providence Pike, Slatersville, Rhode Island			02876	401-762-9000	710-387-1591
ILLINOIS	Elk Grove Village	Amperex Electronic Corporation 175 Scott Street	60007	312-593-8220	910-222-3457
NEW YORK	Hicksville	Amperex Electronic Corporation 230 Duffy Avenue	11802	516-931-6200	516-433-9045
CANADA	Ontario	Philips Electronic Industries Ltd. Electron Devices Division 116 Vanderhoof Avenue Toronto	M4G 2J1	416-425-5161	Telex 02-2221

DDC – ILC DATA DEVICE CORPORATION

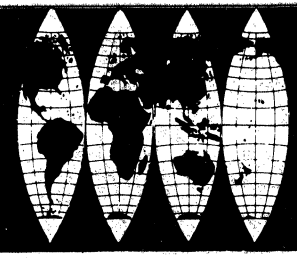
	Zip Code	Telephone No.	TWX
105 Wilbur Place, Airport International Plaza, Bohemia, New York	11716	516-567-5600	510-228-7324

DTL – DATEL SYSTEMS, INC.

			Zip Code	Telephone No.	TWX
1020 Turnpike Street, Canton, Massachusetts			02021	617-828-8000	710-348-0135 Telex 924461
CALIFORNIA	Santa Ana	Datel Systems, Inc. Western Regional Sales Office 1570 East Edinger Street Suite 7	92705	714-835-2751/ 2/3	Telex 65-5475

FERB – FERRANTI LIMITED

			Zip Code	Telephone No.	Telex
Gem Mill, Chadderton Oldham, Lancashire, England			OLN 8NP	061-624-0515	668038
Dunsinane Avenue, Dundee, Scotland			DD2 3PN	0382-89311 0382-89321	76166
AUSTRALIA	Victoria	Namco Electronics 239 Bay Street North Brighton	3186	96-2891	AA 31261
FRANCE	Paris 15e	Ceram 31, Rue du Docteur Finlay		577 42 50	25305 Attn. CERAM
GERMANY	8 Munich 22	Ferranti GmbH Widenmayerstrasse 5		089 297353	523980
ITALY	Milano	Messrs. Mottola Piazzeta Umberto Giordano 2	20122	780 231	31317
SWEDEN	Vallingby	Sonab Marketing A.B. (Agency Dept.) Sorterargatan 8	162 26	08/38 01 30	17879
U. S. A.	New York	Ferranti Electric, Inc. East Bethpage Road Plainview, Long Island	11803	516-293-8383	510-224-6483



Manufacturers' Local Offices

FSC – FAIRCHILD SEMICONDUCTOR

	Zip Code	Telephone No.	TWX
DIV. of FAIRCHILD CAMERA & INSTRUMENT CORP. 464 Ellis Street, Mountain View, California	94042	415-962-5011	910-379-6435 Cable FAIRSEMCO

HAS – HARRIS SEMICONDUCTOR

	Zip Code	Telephone No.	Telex
Post Office Box 833, Melbourne, Florida	32901	305-724-7412	595 96259

INTERNATIONAL

			Zip Code	Telephone No.	Telex
BELGIUM	Brussels	Harris Semiconductor, Inc. 53 Blvd. de Waterloo - Bte 5	B-1000	02 428 3602	26382
JAPAN	Tokyo	Harris Semiconductor Far East Division B - 111, Time-Life Bldg. 2-3-6 Ohatemachi, Chiyoda-Ku		279-1691	781-26525

ITI – INTECH/FMI INC.

	Zip Code	Telephone No.	TWX
282 Brokaw Road, Santa Clara, California	95050	408-244-0500	910-338-0254

OKIJ – OKI ELECTRIC INDUSTRY COMPANY, LTD.

			Zip Code	Telephone No.	Telex
10-4-3 Shibaura, Minato-ku, Tokyo, Japan				03-454-2111	J22627
UNITED STATES	New York (New York)	OKI Electric Overseas Corporation 850 3rd Avenue	10022	212-371-2054	223217
WEST GERMANY	Dusseldorf	OKI Electric Europe GmbH Berliner Allee 22	4000	0211-15046/7	8587218

PHIN – PHILIPS GLOEILAMPENFABRIEKEN

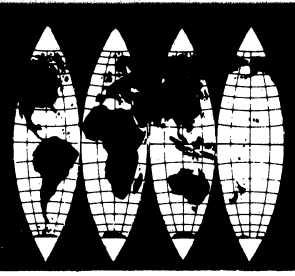
PRODUCT DIVISION ELCOMA, BUILDING BF Eindhoven, Netherlands			Zip Code	Telephone No. (040) 79 11 11	Cable PHILIPS EINDHOVEN
ARGENTINA	Buenos Aires	Fapesa I.y.C Av. Crovara 2550		652-7438/7478	
AUSTRALIA	Lane Cove	Philips Industries, Ltd. Elcoma Division 67 Mars Road	2066 N.S.W.	42 1261	
AUSTRIA	Wien	Osterreichische Philips Bauelemente Industrie G.m.b.H. Zieglergasse 6	A-1072	93 26 11	
BELGIUM	Bruselles	M.B.L.E. 80 Rue des Deux Gares	B-1070	523 00 00	
BRAZIL	Sao Paulo, SP	Ibrape S.A. Ave. Paulista 2073-S/Loja	01311	278-7144	
CANADA	Toronto (Ontario)	Philips Electronics Industries, Ltd. 116 Vanderhoof Avenue	M4G 2J1	425-5161	Telex 06-22221
DENMARK	Kóbenhavn NV.	Miniwatt A/S Emdrupvej 115A	DK-2400	(01)69 16 22	
FINLAND	Helsinki 10	Oy Philips Ab Elcoma Division Kaivokatu 8	SF-00100	1 72 71	
FRANCE	Paris 11	R.T.C. (RTCF)* La Radiotechnique Compelec 130 Avenue Ledru Rollin	F-75540	355 44 99	
GERMANY	Hamburg 1	Valvo (VALG)* UB Bauelemente der Philips GmbH Valvo Haus Burchardstrasse 19	D2	(040) 3296-1	
HONG KONG	Kwuntong	Philips Hong Kong Ltd. Components Dept. 11th Fl. Din Wai Ind. Bldg. 49 Hoi Yuen Rd.		K42-72-32	
ITALY	Milano	Philips S.p.A. Sezione Elcoma Piazza IV Novembre 3	I-20124	2-6994	

* Manufacturer Code inside ( ) can be found in Section 14, Manufacturers Code Names & Addresses

Continued on next page

PHIN – PHILIPS GLOEILAMPENFABRIEKEN (Cont'd)

			Zip Code	Telephone No.	Cable
PRODUCT DIVISION ELCOMA, BUILDING BF Eindhoven, Netherlands				(040) 79 11 11	PHILIPS EINDHOVEN
JAPAN	Tokyo	Nihon Philips 32nd Fl., World Trade Center Bldg. 5,3-chome, Shiba Hamamatsu-cho Minato-ku		03-435-5268	
KOREA	Seoul	Philips Electronics Korea Ltd. Philips House 260-199 Itaewon-dong Yongsan-ku		44-4202	
MEXICO	Mexico 6, D.F.	Electronica S.A. de C.V. Varsovia No. 36		5-33-11-80	
NETHERLANDS	Eindhoven	Philips Nederland B.V. Afd. Elonco Boschdijk 525	NL-4510	(040)79 33 33	
NORWAY	Oslo 4	Electronica A/S Vitaminveien 11		(02)150590	
SOUTH AFRICA	Johannesburg	EDAC (Pty.) Ltd. South Park Lane New Doornfontein		24/6701-2	
SPAIN	Barcelona 7	Copresa S.A. Balmes 22		329 63 12	
SWEDEN	Stockholm 27	Elcoma A.B. Lidingövägen 50	S-10250	08/679780	
SWITZERLAND	Zürich	Philips A. G. Elcoma Abteilung Edenstrasse 20	CH-8027	01/44 22 11	
TAIWAN	Taipei	Philips Taiwan Ltd. Elcoma Division San Min Bldg., 3rd Fl. 57-1 Chung Shan N. Road		5513101	
UNITED KINGDOM	London	Mullard Ltd. (MULB)* Mullard House Torrington Place	WC1E 7HD	01-580-6633	
UNITED STATES	Rhode Island	Amperex Electronic Corp. (APX)* Sem. & Microcircuits Div. Providence Pike, Slatersville	02876	401-762-9000	



Manufacturers' Local Offices

PLSB – PLESSEY SEMICONDUCTORS

			Zip Code	Telephone No.	Telex
Cheney Manor, Swindon, Wiltshire, England			SN2 2QW	0793-6251	449637
U. S. A.	California	Plessey Semiconductors 1674 McGaw Avenue Santa Ana	92705	714-540-9945	910-595-1930

RTCF – R.T.C. LA RADIOTECHNIQUE–COMPELEC

	Telephone No.	Telex
130, Avenue Ledru- Rollin, 75.540, Paris Cedex 11, France	355-44-99	PHILAMP PARIS 28 746

SGAI – SGS-ATES COMPONENTI ELETTRONICI S.P.A.

			Zip Code	Telephone No.	Telex
Via C. Olivetti 2, Agrate Brianza, Italy			20041	39-650141	36131
ENGLAND	Aylesbury Bucks	SGS-ATES (United Kingdom) Ltd. Walton Street		5977	83245
FRANCE	Paris	SGS-ATES France SA Residence "Le Palatino" 17, Avenue de Choisy	75643	584 2730	021/25938
GERMANY	Wasserburg Inn	SGS-ATES Deutschland GmbH Postfach 1269	809	08071/721	525143
ITALY	Milano	SGS-ATES Componenti Elettronici S.p.A. Via Tempesta 2	20149	4695651	31481
SINGAPORE	Singapore	SGS-ATES Singapore (PTE) Ltd. Lorong 4 and 6 Toa Payoh	12	531411	21412
SWEDEN	Marsta	SGS-ATES Scandinavia AB Postbox	19501	0760/40120	10932
U. S. A	Massachusetts	SGS-ATES Semiconductor Corporation 435 Newtonville Avenue Newtonville	02160	617-969-1610	0922482

SOD – SOLITRON DEVICES, INC.

			Zip Code	Telephone No.	TWX
CORPORATE OFFICES 256 Oak Tree Road, Tappan, New York			10983	914-359-5050	710-576-2654
CALIFORNIA	San Diego	Solitron Devices, Inc. 8808 Balboa Avenue	92123	714-278-8780	910-335-1221
FLORIDA	Riviera Beach	Solitron Devices, Inc. 1177 Blue Heron Blvd.	33404	305-848-4311	510-952-6676
INTERNATIONAL					
ENGLAND AND EUROPE	Bedminster	Solidev Ltd. Edison Road Elms Industrial Estate Bedford		(0732)60531	Telex 825461
ASIA	Kowloon (Hong Kong)	Solidev (H. K.) Ltd. Post Office Box K 2042		3-241187	TWX 780-7914

SPR – SPRAGUE ELECTRIC COMPANY

	Zip Code	Telephone No.
SEMICONDUCTOR DIVISION 115 Northeast Cutoff, Worcester, Massachusetts	01606	617-853-5000

THCF – THOMSON-CSF

			Zip Code	Telephone No.	Telex
DIVISION SEMICONDUCTEURS SESCOSEM 50, Rue Jean Pierre Timbaud, BP 120, Courbevoie, France			92403	788-50-01	SESCO 610560 F
AFRICA (South)	Alberton (Transvaal)	Comtek Post Office Box 57		869.57.86	J-4376 34
AUSTRALIA	Melbourne	Thomaus GPOB 2647X	3001	676363	THOMAUS.AA 31888
AUSTRIA	Wien	Transalpina Electronica Ltda Elisabethstrasse 8	A1010	56.15.71	Inland 12 717
BELGIUM	Bruxelles 5	Thomson S.A. – N.V. Avenue Louise 363	B 1050	648.64.85	23 113
BRAZIL	Sao Paulo	Thomson CSF Componentes do Brasil Caisa Postal 4854		616-483	TESAFIBRA EMBRATEL SP 309171 SAO PAULO
DENMARK	Copenhagen	Scan Supply 20 Nannasgade	2200	193 5030	9037
ENGLAND	Basingstoke	Thomson-CSF (U.K.) Ltd. Ringway House, Bell Road Danneshill, Hants		256 29 155	858 865
FINLAND	Helsinki 25	OY Sufra AB Ruusulankatu 20 A 12		49.01.37	Pierrejoly Helsinki
FRANCE	Aix En Provence	Sescosem Service Commercial 15, rue Camille Pelletan	13102	(91)27 98 15	41.665
	Saint Egreve	Sescosem Service Commercial	38120	(76) 758112	

Continued on next page

THCF – THOMSON-CSF (Cont'd)

			Zip Code	Telephone No.	Telex
DIVISION SEMICONDUCTEURS SESCOSEM 50, Rue Jean Pierre Timbaud, BP 120, Courbevoie, France			92403	788-50-01	SESCO 610560 F
GERMANY	Munchen 25	Thomson CSF GmbH Fallstrasse 42	8000	89 76 751	522.916
ITALY	Milano	Sescosem Italiana Via Melchiorre Gioia, 72	20.125	68 84 141	Ducato 31.042
MOROCCO	Casablanca	SFRM 40 Blvd. de la Resistance Palais Mirabeau		273100 273123	21924
NORWAY	Oslo 6	Feiring AS Post Office Box 101 Bryn		(2) 686360	16 435 feiring 0
PORTUGAL	Lisbon	Sd. Com Rualdo Rua S. Jose 15		P.P.C. 33725	Rualdo 6447P Lisbonne
SPAIN	San Juan Despi (Barcelona)	Componentes Electronicos S. A. Poligono Industrial, Fontsanta Calle, H.S/N		319.46.50	53077
SWEDEN	Solna 3	Elektrholm AB Dalvagen 12 S	17 103	82.02.80	19.389
SWITZERLAND	Berne 9	Modulator S. A. Fischerweg 11.13	CH3000	23 21 42	32 431
THE NETHERLANDS.	La Haye	C. G. E. Compagnie Generale D'Electricita N.V. Koninginnegracht 64		60.88.10	31.045
U. S. A.	California	Nucleonic Products Company, Inc. 6660 Variel Avenue Canoga Park	91303	(213)887-1010	651.479

SECTION 15 MANUFACTURERS CODES, NAMES & ADDRESSES

QPL MFR. DESIG.	FSCM No.	DATA MFRS.' CODE	MANUFACTURERS' CODES, NAMES, AND ADDRESSES
	25055 –	ABA	– Abacus Division, Information Control Corp., 9610 Bellanca Ave., Los Angeles, CA 90045
		ALGG	– **AEG-Telefunken, D-71 Heilbronn, Postfach 1109, West Germany**
		AMI	– American Micro-Ssytems, Inc., 3800 Homestead Rd., Santa Clara, CA 95051
		AMV	– Advanced Micro Devices, Inc., 901 Thompson Pl., Sunnyvale, CA 94086
		ANA	– Analog Devices, Route 1, Industrial Park, P.O. Box 280, Norwood,MA 02062
		APX	★ **Amperex Electronic Corp., Solid State & Active Dev. Div., Providence Pike, Slatersville, RI 02876**
		BEC	– Beckman Instruments, Inc., Helipot Div., 2500 Harbor Blvd., Fullerton, CA 92634
		BOW	– Bowmar, Inc., 4900 E. Indian School Rd., Phoenix, AZ 85018
		BUB	– Burr-Brown Research Corp., International Airport, Industrial Park, Tucson, AZ 85734
	83594 –	BUR	– Burroughs Corp., P.O. Box 1226, Plainfield, NJ 07061
		CER	– Cermetek, Inc., 660 National Ave., Mountain View, CA 94043
	06900 –	DAC	– DI/AN Controls, Inc., 944 Dorchester Ave., Boston, MA 02125
	19645 –	**DDC**	– **ILC Data Device Corporation, 105 Wilbur Pl., Airport International Plaza, Bohemia, NY 11716**
	15476 –	DEC	– Digital Equipment Corp., One Iron Way, Marlborough, MA 10752
		DIS	– Discon Industries, Inc., 1322 N.W. 14th Ave., Pompano Beach, FL 33060
	14506 –	DTC	– Data Technology Corp., 2700 So Fairview Rd., Santa Ana, CA 92704
		DTL	– **Datel Systems, Inc., 1020 Turnpike St., Canton, MA 02021**
		ECD	– Energy Conversion Devices, Inc., 1675 West Maple Rd.,Troy, MI 48084
	52063 –	EXR	– Exar Integrated Systems, Inc., 750 Palomar Ave., Sunnyvale, CA 94086
	12264 –	**FERB**	– **Ferranti Ltd., Electronics Dept., Gem Mill, Chadderton, Oldham, Lancashire, England**
		FMI	– See ITI.
CFJ –	07263 –	**FSC**	– **Fairchild Semiconductor, 464 Ellis St., MS: 20-1066, Mountain View, CA 94040**
CAKK –	14936 –	GIC	– General Instrument Corp., 600 W. John St., Hicksville, NY 11802
	91417 –	**HAS**	– **Harris Semiconductor, P.O. Box 883, Melbourne, FL 32902**
	33256 –	HBC	– Hybrid Systems Corp., 87 Second Ave., Burlington, MA 01803
		INL	– Intersil, Inc., 10900 North Tantau Ave., Cupertino, CA 95014
		INTG	– Intermetall, Halbleiterwerk der Deutsche ITT Inc., GmbH, 78 Freiburg, Hans-Bunte-Strasse 19, Germany
		ITI	– **Intech/FMI, Inc., 282 Brokaw Rd., Santa Clara, CA 95050**
		ITL	– Intel Corporation, 3065 Bowers Ave., Santa Clara, CA 95051
CIT –	15238 –	ITT	– ITT Semiconductors, 748 Commerce Way, Woburn, MA 01801
		ITTB	– ITT Semiconductors, Footscray, Sidcup, Kent, England
		MATJ	– Matsushita Electronics Corp., Semicon, Div., 1 Kotari-Yakemachi, Nagaokakyo, Kyoto 617, Japan
		MITJ	– Mitsubishi Electric Corp., Kita-Itami Works, 4-1 Mizuhara, Itami-Shi, Hyogo-Ken, Post Code 664, Japan
		MMI	– Monolithic Memories, Inc., 1165 E. Arques Ave., Sunnyvale, CA 94086
	50507 –	MNC	– Micro Networks Corp., 324 Clark St., Worcester, MA 01606
	20747 –	MON	– Aydin Monitor Systems, 401 Commerce Dr., Fort Washington, PA 19034
CGG –	04713 –	MOTA	– Motorola Semiconductor Products, Inc., 5005 E. McDowell Rd., Phoenix, AZ 85008
		MULB	– Mullard Ltd., Mullard House, Torrington Pl., London WC1E 7HD, England (under PHIN, Sec. 14)
		NECJ	★ Nippon Electric Co., Ltd., 1753 Shimonumabe Nakahara-ku, Kawasaki City, Japan
		NECM	★ NEC Microcomputers, Inc., Five Militia Dr., Lexington, MA 02173
		NPC	– Nucleonic Products Co., Inc., 6660 Variel Ave., Canoga Park, CA 91303
CCXP –	12040 –	NSC	– National Semiconductor, 2900 Semiconductor Dr., Santa Clara, CA 95051
	26287 –	OEI	– Optical Electronics, Inc., P.O. Box 11140, Tucson, AZ 85706
		OKIJ	★ **OKI Electric Industry, Co., Ltd., Electronic Products Sec., Intl. Div., 10-3, Shibaura 4-chome, Minato-ku, Tokyo 108, Japan**
		OPT	– Optimax, Inc., P.O. Box 105, Advance Lane, Colmar, PA 18915
		PHIN	– **N. V. Philips Gloeilampenfabrieken, Product Div., Elcoma, Bldg. BF, Eindhoven, Netherlands**
		PLSB	– **Plessey Semiconductor, Cheney Manor, Swindon, Wiltshire, England**

★ New Manufacturers

Manufacturers shown in bold print have local offices, which are included in Section 14 of this D.A.T.A.BOOK.

SECTION 15 MANUFACTURERS CODES, NAMES & ADDRESSES

QPL MFR. DESIG.	FSCM No.	DATA MFRS.' CODE	MANUFACTURERS' CODES, NAMES, AND ADDRESSES
	06665 –	PMI	– Precision Monolithics, Inc., 1500 Space Park Dr., Santa Clara, CA 95050
		RAG	– Ragen Semiconductor, Inc., 53 South Jefferson Rd., Whippany, NJ 07981
CRC –	86684 –	RCA	– RCA Corporation, Solid State Div., Route 202, Somerville, NJ 08876
	12556 –	**RTCF**	– **R.T.C. La Radiotechnique-Compelec, 130, Avenue Ledru-Rollin, 75540 Paris Cedex 11, France** (also under PHIN, Sec. 14)
CRP –	21688 –	RTN	– Raytheon Company, 350 Ellis St., Mountain View, CA 94042
		SGAI	– **SGS-ATES Componenti Elettronici S.p.A., Via C. Olivetti, 2, 20041 Agrate Brianza, Milan, Italy**
		SGL	– Silicon General, Inc., 7382 Bolsa Ave., Westminster, CA 92683
	18324 –	**SIC**	– **Signetics Corporation, 811 East Arques Ave., Sunnyvale, CA 94086**
		SIE	– Siemens Corporation, Components Group, 8700 E. Thomas Rd., Scottsdale, AZ 85252
		SIEG	– Siemens Aktiengesellschaft, Semiconductor Div., Balanstrasse 73, D8000 Munich 8, Germnay
CDBN –	17856 –	SIX	– Siliconix, Inc., 2201 Laurelwood Rd., Santa Clara, CA 95054
		SOD	– **Solitron Devices, Inc., 8808 Balboa Ave., San Diego, CA 92123**
CSF –	56289 –	**SPR**	– **Sprague Electric Co., 115 Northeast Cutoff, Worcester, MA 01606**
	11911 –	SSE	– Solid State Electronics Corp., 15321 Rayen St., Sepulveda, CA 91343
		SSS	– Solid State Scientific, Inc., Montgomeryville, PA 18936
		SST	– Solid State, Inc., 46 Farrand St., Bloomfield, NJ 07003
	51791 –	STK	– Statek Corp., 1200 Alvarez Ave., Orange, CA 92668
	27318 –	SWM	– Stewart-Warner Microcircuits, Inc., 730 E. Evelyn Ave., Sunnyvale, CA 94086
CCZX –	12498 –	TCY	– Teledyne Crystalonics, 147 Sherman St., Cambridge, MA 02140
CCAB –	03877 –	TEC	– Transitron Electronic Corp., 168-182 Albion St., Wakefield, MA 01880
		THCF	– **Thomson CSF, Div. Semiconducteurs SESCOSEM, 50, rue Jean Pierre Timbaud, BP 120, 92403 Courbevoie, France**
CGO –	01295 –	TII	– Texas Instruments, Inc., MS 72, P.O. Box 5012, Dallas, Texas 75222
		TIIB	– Texas Instruments, Ltd., Manton Lane, Bedford, England
		TIID	– Texas Instruments, Deutschland GmbH, 8050 Freising, Haggertystrasse, Germany
		TIIF	– Texas Instruments France, Villeneuve-Loubet, France
	95023 –	TPN	– Teledyne Philbrick, Allied Drive at Route 128, Dedham, MA 02026
		TRW	– TRW Monolithic ICs, 301 West "O" St., Ogalalla, NB 69153
	85818 –	TSC	– Teledyne Semiconductor, 1300 Terra Bella Ave., Mountain View, CA 94043
		VALG	– Valvo GmbH, P.O. Box 993, D2000, Hamburg, Germany (under PHIN, Sec. 14)
		VEL	– Vectron Laboratories, Inc., 121 Water St., Norwalk, CT 06854
		WDC	– Western Digital Corp., 3128 Red Hill Ave., Box 2180, Newport Beach, CA 92663
	07764 –	WLD	– Wyle Computer Products, 3200 Magruder Blvd., Hampton, VA 23666
	17850 –	ZEL	– Zeltex, Inc., 940 Detroit Avenue, Concord, CA 94518

CUSTOM CIRCUIT MANUFACTURERS

		AVD	– Aydin Vector Division, P.O. Box 328, Newtown, Pa. 18940
		CMI	– CTS Microelectronics, Inc., 1201 Cumberland Ave., West Lafayette, Indiana 47906
		IFD	– Integrated Frequency Devices, 4800 E. Indian School Rd., Phoenix, Arizona 85018
	80031 –	MEP	– Mepco, Inc., Columbia Rd., Morristown, New Jersey 07960
CCYL –	14522 –	MSC	– Micro Semiconductor Corp., 11250 Playa Court, Culver City, Calif. 90230
	05347 –	ULT	– Ultronix, 461 North 22nd, Grand Junction, Colorado 81502

★ **New Manufacturers**

Manufacturers shown in bold print have local offices, which are included in Section 14 of this D.A.T.A.BOOK.

SYMBOLS & CODES EXPLAINED

IN TYPE No. CROSS INDEX AND TECHNICAL SECTIONS

IN TYPE No. CROSS INDEX & TECHNICAL SECTIONS

△ # ☑ Indicators of separate manufacturers producing same type number (non–JEDEC) whose characteristics are not the same. This manufacturer–identifying symbol (assigned by D.A.T.A.) is an integral part of the type number (in Type No. Cross Index, Technical Data Sections) to avoid the possibility of confusing the device of one manufacturer with the devices of the others. **Example . . .**

Type No.	Manufacturer	Description
DD31 △	CCD	Miscellaneous
DD31 #	CLC	Decoders
DD31 ☑	ZEL	Gates

–RT ... Suffix indicates device is a replacement type. Consult manufacturer for more information.

#1, 2, ... The modifier is designated by D.A.T.A. to distinguish between type no. designations which give only one type no. but have more than one electrical function or package.

% – Different suffices for the same type number indicate availability of different packaging compositions; i.e., ceramic, plastics, silicone, etc. Consult manufacturer.

SYMBOLS & CODES COMMON TO MORE THAN ONE TECHNICAL SECTION

TYPE OF or USE COLUMN (Letter and Symbol Codes) (Following "Use No." or "Type Of No.")

NOTE: Sec. 7 only: B,F,H,J,K apply
Sec. 11 only: U applies

- A – Amplifiers included can be used separately
- B – Gating included can be used separately
- C – Inverter included can be used separately
- D – Clamped operation variable level capability
- E – With internally connected amplifiers/gates
- F – With internally connected inverters
- G – With internally connected inverters
- H – Incandescent number display included
- J – Neon numeric display included
- K – Complement input used
- L – Includes buffer register
- M – Manufacturer indicates gate will operate on either connective function by changing the logic level convention
- R – Reversible
- S – Both normal and inverted functions are available at separate output terminals
- T – Includes multiplexer input
- U – Variable or modulo
- V – Device has latching capability

TEMPERATURE COLUMN

Indicates that the Type No. has more than one Temperature Range.

	WIDEST RANGE		NEXT NARROW		MOST NARROW	
	LOW	HIGH	LOW	HIGH	LOW	HIGH
T2	–55°C	125°C	–30°C	100°C		
T3	–55°C	125°C	0°C	75°C		
T5	–55°C	125°C	–30°C	100°C		
T7	–55°C	125°C	0°C	70°C		
T8	–55°C	125°C	0°C	75°C	15°C	125°C
T9	–55°C	125°C	0°C	100°C	15°C	55°C

OUTLINE DRAWING COLUMN (Letter Prefix)

- CB – Printed circuit board
- CN – TO5 type (not JEDEC outline)
- FC – Flat Pack Chip (not JEDEC outline)
- FP – Flat package (not JEDEC outline)
- M – Molded or encapsulated package not included in other catagories
- TO – Standard JEDEC outline
- ZB – Multiple package possibilities and drawing reference information
- ☑ – Package style-actual dimensions not specified
- △ – MO Standard Jedec Outline

LINE No.

- ▼ – New Type
- ♦ – Revised Specification
- # – Non Jedec Type Manufactured Outside U.S.A.

4. BINARY OR FLIP-FLOP

5. CLOCK OR MULTIVIBRATOR

1 TYPE OF FLIP-FLOP	1 TYPE OF M-V	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)
1	2	3	4	5	6	7	8	9			10	11		12	13

(FOR LETTER SUFFIX SEE COMMON CODES)

Section 4 (Binary or Flip-Flop)
- 2 – J-K
- 3 – R-S
- 4 – R-S-T
- 5 – Shift Register
- 6 – T
- 7 – Complement RS
- 8 – D Type

Section 5 (Clock or Multivibrator)
- 1 – Astable
- 2 – Astable Synchronized
- 3 – Astable Variable
- 4 – Crystal Controlled
- 5 – Tuning Fork Controlled
- 6 – RC or LC Oscillator's
- 7 – Voltage-controlled oscillator

3
- △ – Maximum clock rate
- † – Maximum toggle frequency
- % – Typical
- * – At Temperature above 25°C
- ∅ – Minimum

4
- 3DM – 3D Module
- DCM – Discrete component micro circuits
- MOH – Monolithic integrated hybrid
- MON – Monolithic integrated
- MOS – MOS monolithic
- PCB – Printed circuit board
- PCM – PCB and 3DM
- TFH – Thin film integrated hybrid
- TFM – Thin film integrated

5
- △ – Indicates complement outputs are available
- † – Indicated value at maximum rated fan in
- % – Minimum
- * – Maximum
- § – Tri-state device
- ∅ – Open collector
- ☑ – Collector-emitter breakdown voltage

6
- △ – Indicated value at maximum rated fan out
- † – Indicates values given are for output
- % – Minimum
- * – Maximum
- # – Collector to emitter saturation voltage Vce (sat)

7
- CDL – Capacitor Diode Logic
- CML – Current Mode Logic
- CMS – CMOS
- CTL – Capacitor Transistor Logic
- DDL – Diode Logic
- DTL – Transistor Diode Logic (i.e., TDL)
- ECT – Emitter Coupled Transistor Logic
- ITL – Transformer Coupled Transistor Logic
- MTL – Core Transistor Logic
- NCH – N-Channel
- PCH – P-Channel
- RCT – Resistor Capacitor Transistor Logic
- RDL – Resistor Diode Logic
- RTL – Resistor Transistor Logic (i.e., TRL)
- TFT – Thin Film Transistor Logic
- TTL – Transistor Coupled Logic (i.e., TCL)
- VTL – Variable Threshold Logic

8 (Number of Input Leads per Circuit, NOT the loading factor)
- △ – Includes expandable terminal in number given
- † – Maximum number any unit has, others have fewer

9 (Per Circuit)
- △ – Depends on input drive
- † – Minimum
- % – Maximum any unit has, others have fewer

10
- † – Transition Time
- % – Average propagation delay
- △ – Maximum
- ☑ – Per Stage

11
- △ – Minimum
- † – Typical
- ☑ – Min. Input Pulse Width

12
- △ – Power dissipation per circuit
- † – Steady-state or 50% duty cycle at typical operating conditions
- % – Quiescent power dissipation
- § – Maximum Operating Power Dissipation

13
- △ – Typical
- % – Db
- † – Ratio
- * – Minimum
- ☑ – Input noise voltage
- # – Input noise in uV

SYMBOLS & CODES EXPLAINED

SYMBOLS & CODES COMMON TO MORE THAN ONE TECHNICAL SECTION

TYPE OF or USE COLUMN (Letter and Symbol Codes) (Following "Use No." or "Type Of No.")

NOTE: Sec. 7 only: B,F,H,J,K apply
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- A – Amplifiers included can be used separately
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- M – Manufacturer indicates gate will operate on either connective function by changing the logic level convention
- R – Reversible
- S – Both normal and inverted functions are available at separate output terminals
- T – Includes multiplexer input
- U – Variable or programmable modulo
- V – Device has latching capability

TEMPERATURE COLUMN

Indicates that the Type No. has more than one Temperature Range.

	WIDEST RANGE		NEXT NARROW		MOST NARROW	
	LOW	HIGH	LOW	HIGH	LOW	HIGH
T2	−55°C	125°C	−30°C	100°C		
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T5	−55°C	125°C	−30°C	100°C		
T7	−55°C	125°C	0°C	70°C		
T8	−55°C	125°C	0°C	75°C	15°C	125°C
T9	−55°C	125°C	0°C	100°C	15°C	55°C

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- ZB – Multiple package possibilities and drawing reference information
- ⍁ – Package style-actual dimensions not specified
- △ – MO Standard Jedec Outline

LINE No.

- ▼ – New Type
- ♦ – Revised Specification
- # – Non Jedec Type Manufactured Outside U.S.A.

6. COUNTERS

1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)
1	2	3	4	5	6	7	8			9	10		11	12

1 (FOR LETTER SUFFIX SEE COMMON CODES)

- 1 – Binary Coded Decimal
- 2 – Binary
- 3 – Decimal
- 4 – Fast Carry
- 5 – Ring
- 6 – Special
- 7 – Hexadecimal
- 8 – Divide by 12
- 9 – Gray code
- △ – Number following △ indicates count divisor

4

- △ – Compliment outputs available
- † – Indicated value at max. rated fan in
- # – Peak to peak
- * – Maximum
- ∅ – Open collector
- % – Minimum
- ⍁ – Collector-emitter breakdown voltage
- § – Tri-state device

5

- △ – Indicated value at maximum rated fan out
- † – Indicates values given are for output

10

- △ – Minimum
- † – Typical

11

- △ – Power dissipation per circuit
- † – Steady-state or 50% duty cycle at typical operating conditions
- % – Quiescent power dissipation
- § – Maximum Operating Power

△ – Ma
† – M

emperature above 25°C
inimum

3

- 3DM – 3D Module
- DCM – Discrete component micro circuits
- MOH – Monolithic integrated hybrid
- MON – Monolithic integrated
- MOS – MOS monolithic
- PCB – Printed circuit board
- PCM – PCB and 3DM
- TFH – Thin film integrated hybrid
- TFM – Thin film integrated

6

- CDL – Capacitor Diode Logic
- CML – Current Mode Logic
- CMS – CMOS
- CTL – Capacitor Transistor Logic
- DDL – Diode Logic
- DTL – Transistor Diode Logic (i.e., TDL)
- ECT – Emitter Coupled Transistor Logic
- ITL – Transformer Coupled Transistor Logic
- MTL – Core Transistor Logic
- NCH – N-Channel
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- TFT – Thin Film Transistor Logic
- TTL – Transistor Coupled Logic (i.e., TCL)
- VTL – Variable Threshold Logic

8

- △ – Maximum
- ⍁ – Per Stage

(Per Circuit)

- △ – Depends on input drive
- † – Minimum
- % – Maximum any unit has, others have fewer

12

- △ – Typical
- % – Db
- † – Ratio
- * – Minimum
- ⍁ – Input noise voltage
- # – Input noise in uV

7

(Number of Input Leads per Circuit, NOT the loading factor)

- △ – Includes expandable terminal in number given
- † – Maximum number any unit has, others have fewer

7. DECODERS

1 DECODES FROM	2 DECODES TO	LOGIC TYPE	PROCESS	LOGIC LEVEL 4 '1' (V)	LOGIC LEVEL 5 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRANSITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)
1	2	3	4	5	6	7					8		9	10

1 **2** (FOR LETTER SUFFIX SEE COMMON CODES)

- 1 – Binary
- 2 – Binary Coded Decimal
- 3 – Bi-Quinary
- 4 – Decimal
- 5 – Excess 3 Code
- 6 – Gray Code
- 8 – Octal
- 9 – Quartenary
- 10 – Quinary
- 17 – 8421 Code
- 18 – One of "x" number of lines
- 19 – Two of "x" number of lines
- 20 – 7 Segment
- 21 – Excess three gray code
- 22 – 8 Segment
- 23 – Three of "x" No. of lines

2

- △ – Drives numeric neon indicator
- † – Drives incandescent indicator
- % – Converts to and from other codes
- * – Includes Output Driver

3 SAME AS **6** FOR SECT. 6

4

- 3DM – 3D Module
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- MOS – MOS monolithic
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- TFM – Thin film integrated

5

- △ – Indicates complement outputs are available
- † – Indicated value at max. rated fan in
- § – Tri-state device
- * – Maximum
- ∅ – Open collector
- % – Minimum
- ⍁ – Collector-emitter breakdown voltage

6

- △ – Indicated value at maximum rated fan out
- † – Indicates values given are for output
- % – Minimum
- # – Collector to emitter Saturation Voltage Vce (sat)
- * – Maximum

7

(Number includes Complementary Lines)

- △ – Use of complement lines is optional
- † – Complement lines must be used for proper operation

8

- △ – Minimum
- † – Typical

9

- △ – Power dissipation per circuit
- † – Steady-state or 50% duty cycle at typical operating conditions
- % – Quiescent power dissipation
- § – Max. Operating Power Dissipation

10

- △ – Typical
- % – Db
- † – Ratio
- * – Minimum
- ⍁ – Input noise voltage
- # – Input noise in uV

TRANSITION TIME

- † – Propagation Delay
- % – Average Transition Time
- △ – Maximum
- ⍁ – Per Stage

SYMBOLS & CODES COMMON TO MORE THAN ONE TECHNICAL SECTION

TYPE OF or USE COLUMN (Letter and Symbol Codes) (Following "Use No." or "Type Of No.")

NOTE: Sec. 7 only: B,F,H,J,K apply
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Indicates that the Type No. has more than one Temperature Range.

	WIDEST RANGE		NEXT NARROW		MOST NARROW	
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LINE No.

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8. GATES

1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)
1	2	3	4	5	6	7	8			9		10	11	12

(FOR LETTER SUFFIX SEE COMMON CODES)

1
- 1 – AND
- 2 – OR
- 3 – NOR
- 4 – NAND
- 5 – Exclusive OR
- 6 – Gate Expander
- 7 – Exclusive NOR

2
- △ – Maximum clock rate
- † – Maximum toggle frequency
- % – Typical
- * – At Temperature above 25°C
- ∅ – Minimum

3
- 3DM – 3D Module
- DCM – Discrete component micro circuits
- MOH – Monolithic integrated hybrid
- MON – Monolithic integrated
- MOS – MOS monolithic
- PCB – Printed circuit board
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- TFM – Thin film integrated

4
- △ – Indicates complement outputs are available
- † – Indicated value at maximum rated fan in
- § – Tri-state device
- % – Minimum
- ∅ – Open collector
- * – Maximum
- ☐/ – Collector-emitter breakdown voltage

5
- △ – Indicated value at maximum rated fan out
- † – Indicates values given are for output
- % – Minimum
- # – Collector to emitter saturation voltage Vce (sat)
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6
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- VTL – Variable Threshold Logic

7
(Number of Input Leads per Circuit, NOT the loading factor)
- △ – Includes expandable terminal in number given
- † – Maximum number any unit has, others have fewer

8
(Per Circuit)
- △ – Depends on input drive
- † – Minimum
- % – Maximum any unit has, others have fewer

9
- † – Transition Time
- % – Average Propagation delay
- △ – Maximum
- ☐/ – Per Stage

10
- △ – Minimum
- † – Typical

11
- △ – Power dissipation per circuit
- † – Steady-state or 50% duty cycle at typical operating conditions
- % – Quiescent power dissipation
- § – Max. Operating Power Dissipation

12
- △ – Typical
- % – Db
- † – Ratio
- * – Minimum
- ☐/ – Input noise voltage
- # – Input noise in uV

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T8	−55°C	125°C	0°C	75°C	15°C	125°C
T9	−55°C	125°C	0°C	100°C	15°C	55°C

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10. TIME DELAY

1 TIME DELAY TYPE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MIN. DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	12
1	2	3	4	5	6	7	8			9	10		11		12

1 (FOR LETTER SUFFIX SEE COMMON CODES)

- 1 – Delay Line Fixed
- 2 – Delay Line Tapped
- 3 – Delay Line Continuously Variable
- 4 – Mono-stable Multivibrator Fixed Delay
- 5 – Mono-stable Multivibrator Variable Delay
- 6 – Time base/counter

2

- △ – Maximum clock rate
- † – Maximum toggle frequency
- % – Typical
- * – At Temperature above 25°C
- ∅ – Minimum

3

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- DCM – Discrete component micro circuits
- MOH – Monolithic integrated hybrid
- MON – Monolithic integrated
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4

- △ – Indicates complement outputs are available
- † – Indicated value at maximum rated fan in
- % – Minimum
- * – Maximum
- § – Tri-State device

5

- △ – Indicates complement outputs are available
- † – Indicated value at maximum rated fan in
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7 (Number of Input Leads per Circuit, NOT the loading factor)

- △ – Includes expandable terminal in number given
- † – Maximum number any unit has, others have fewer

8 (Per Circuit)

- △ – Depends on input drive
- † – Minimum
- % – Maximum any unit has, others have fewer

9

- † – Transition Time
- % – Average propagation delay
- △ – Maximum
- ☑ – Per Stage
- $ – Typical

10

- △ – Minimum
- † – Typical
- ☑ – Min. Input Pulse Width

11

- △ – Power dissipation per circuit
- † – Steady-state or 50% duty cycle at typical operating conditions
- % – Quiescent power dissipation
- § – Max. operating power dissipation

12

- △ – Typical
- † – Ratio
- ☑ – Input noise voltage
- # – Input noise in uV
- % – Db
- * – Minimum

11. MISCELLANEOUS

1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	GENERAL DESCRIPTION	7
1	2	3	4	5			6		7

1 (FOR LETTER SUFFIX SEE COMMON CODES)

1. Analog to digital converter
2. Digital to analog converter
3. Full-adder
4. Half-adder
5. Interface converter
6. Inverter
7. Logic level converter
9. Schmitt trigger
10. Incandescent Lampdriver
11. Display drivers - gas discharge, liquid crystal and LEDs
12. Relay driver
13. Head selector
14. Mode selector
15. Special purpose circuit
16. Frequency divider
17. Analog gate switch
19. Sense amplifiers
20. Logic amplifiers and driver
21. Line drivers/Transmitters
22. Line receivers
23. Clock drivers
24. Switch drivers
25. High power devices
26. Diode arrays and networks
27. Transistor arrays
28. Binary multiplier/shifter
29. Rate multipliers
30. Multiplexer/selector demultiplexer
31. ALU's
32. Comparator
33. Parity generator-checker
34. Latches
35. Decoder/encoder
36. Sample/hold
37. Look-ahead carry generator
38. Switches
39. Microcomputer devices - μProc., data I/O & control
40. Digital clocks (time-keeping function)

2

- △ – Maximum clock rate
- † – Maximum toggle frequency
- % – Typical
- * – At Temperature above 25°C
- ∅ – Minimum
- ☑ – Gain bandwidth product (ft)

3

- 3DM – 3D Module
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- MOS – MOS monolithic
- PCB – Printed circuit board
- PCM – PCB and 3DM
- TFH – Thin film integrated hybrid
- TFM – Thin film integrated

4

- △ – Indicates complement outputs are available
- † – Indicated value at maximum
- ∅ – PIV peak inverse voltage
- ☑ – Breakdown voltage collector to emitter BV ceo
- % – Minimum
- * – Maximum
- § – Tri-State Device
- # – Peak to peak
- $ – Breakdown voltage Gate to Source

5

- △ – Indicated value at maximum rated fan out
- † – Indicates values given are for output
- % – Minimum
- * – Maximum
- # – Collector to emitter saturation voltage Vce (sat)

6

- △ – Power dissipation per circuit
- † – Steady-state or 50% duty cycle at typical operating conditions
- % – Quiescent power dissipation
- § – Max. operating power dissipation

7

- A – Gain
- Acc – Accuracy
- AMP – Amplifiers
- B – Base
- BCD – Binary-coded decimal
- BD – Board
- BIN – Binary
- C – Collector
- CKT – Circuit
- CL – Clamped
- CMS – CMOS
- COM – Common
- COMP – Complement
- CONT – Contract
- CONV – Converter
- DEC – Decimal
- DIG – Digits
- E – Emitter
- FLTG – Floating
- Fo – Fan out
- GRD – Ground
- INT – Internally connected
- INCL – Included
- INV – Inverter
- Io – Output current
- △Ii – A/D; analog input curr. peak to peak
- △Io – D/A; analog output curr. peak to peak
- LD – Load
- MTX – Matrix
- MUX – Multiplexer
- NC – No connection
- NCH – N-channel
- NEG – Negative
- OSC – Oscillator
- PCH – P-channel
- POS – Positive
- PROP – Propagation
- Rds – Drain-source on-resistance
- RES – Resistor
- RESP – Respectively
- RT – Rating
- SENS – Sensitivity
- TC – Temp. Coeff.
- Toff – Turn off delay time
- Ton – Turn on delay time
- Tpd – Propagation time
- Trec – Recovery time
- Top – Operating time
- Trel – Release time
- VIO – Input Offset voltage
- VoH – High output voltage
- VoL – Low Output
- △Vi – A/D;analog input volt. peak to peak
- SENS – Sensitivity
- SW – Switch
- TC – Temp. Coeff.
- Toff – Turn off delay time
- Ton – Turn on delay time
- Tpd – Propagation time
- Trec – Recovery time
- Top – Operating time
- Trel – Release time
- VIO – Input offset voltage
- VoH – High output voltage
- VoL – Low output voltage
- △Vi – A/D;analog input volt. peak to peak
- △Vo – A/D; analog output volt. peak to peak
- Vth – Differential input threshold voltage
- W/ – With

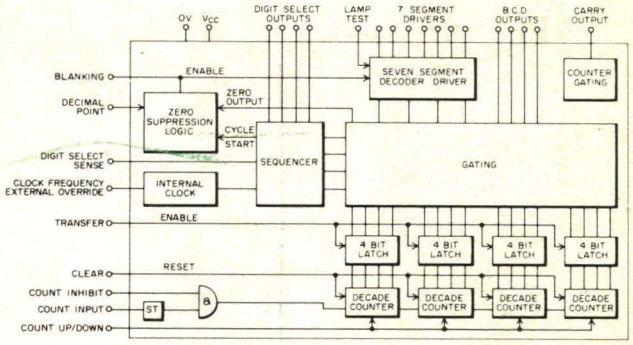
BIPOLAR LSI

UNIVERSAL COUNTER/DISPLAY DRIVER ■ ZN1040E

IN STOCK

The ZN1040E is a bipolar LSI four-digit, 8MHz, Counter/Display-Driver designed for UP/DOWN counting. It is a synchronous counter with Schmidt Trigger input, storage register, multiplexed BCD and seven-segment decoder driver with 80 mA per segment display drive capability. The ZN1040E, in a 28-pin DIP, requires a single 5-volt supply, is TTL compatible, and features a Carry/Borrow Output for cascaded 8-digit operation.

Features: ■ Count rate to 8MHz ■ 80mA per segment drive ■ Multiplexed BCD & seven-segment outputs ■ Counter cascading by direct connection ■ Switch-on reset clears all counters ■ Automatic zero suppression ■ Single 5V supply—TTL compatible

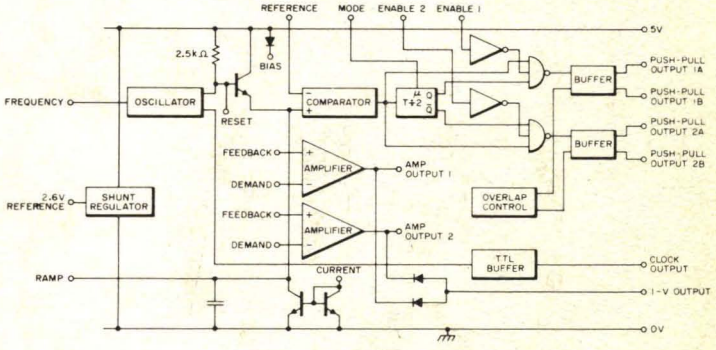


SWITCHING REGULATOR/DRIVER ZN1066E

IN STOCK

The ZN1066E is a bipolar LSI, general purpose SWITCHING REGULATOR/DRIVER designed for use in switching regulator power supplies or converter/inverter applications. It contains an on-chip reference source, oscillator with override capability for synchronization or shut-down, two sense amplifiers for voltage and current regulation, current limited dual push-pull complementary outputs with over-lap prevention to insure that both transistors will not be on simultaneously.

Features: ■ Protected dual push-pull outputs ■ Internal switching frequency oscillator ■ External frequency control ■ TTL compatible ■ On-chip 2.6V reference ■ On-chip dual sense amplifiers

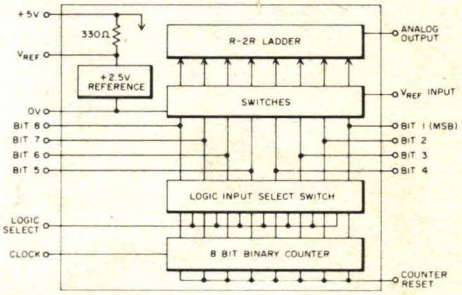


8-BIT A/D-D/A CONVERTER ZN425E

IN STOCK

The ZN425E is a monolithic 8-bit A/D-D/A converter consisting of an advanced design of an R-2R ladder network, an array of precision bipolar switches, an 8-bit binary counter and a 2.5-volt precision reference on a single chip. The ZN425E, in a 16-pin DIP, requires a single 5-volt supply, is TTL compatible and offers a direct voltage output. By clocking the internal counter, the ZN425E can be also used as a precision ramp generator.

Features: ■ Dual mode monolithic A/D-D/A Converter ■ 8-bit accuracy ■ 1.6 μs settling time ■ Single 5V supply ■ Direct voltage output ■ TTL compatibility ■ On-chip voltage reference ■ 2 MHz clock frequency in A/D mode



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