

U.S. \$39.95

# THE WALL CHART OF PROGRAMMABLE DEVICES



**DATA I/O**

*Celebrating  
20 years  
of support  
for users of  
programmable  
devices.*



*Only Data I/O brings you design software, device programmers, and device handlers/labelers that support every programmable device technology and package available in the world, today and tomorrow.*

*Celebrating  
20 years  
of support  
for users of  
programmable  
devices.*





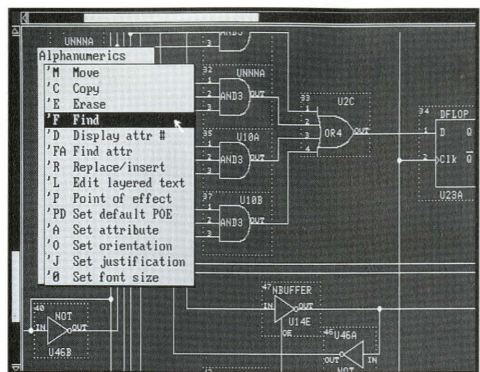
*This year, Data I/O® celebrates its 20th anniversary of providing software and programming tools for users of programmable devices. The past 20 years have been marked by tremendous growth and change in the electronics industry, and Data I/O has been there from the start with the device support, technological innovations, and product quality that design and manufacturing engineers around the world have come to count on.*

*Since we introduced our first programmer in 1972, Data I/O has supported virtually every new device introduced to the market. From bipolar PROMs to PLDs, FPGAs, and memory cards, we've always been the first to bring you the new support you needed. Today we support more than 4,700 devices!*

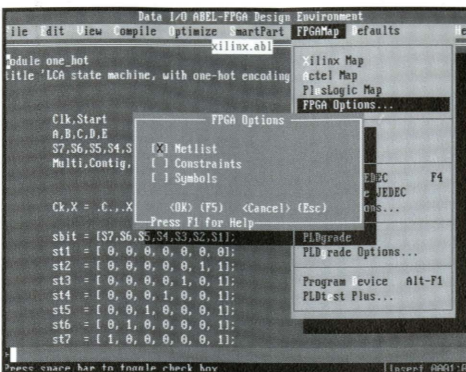
*As the number of devices on the market grew, we brought you universal pin-driver technology to support hundreds of different devices from a single programming site. When surface-mount packages proliferated, we developed a revolutionary socketing scheme to support a multitude of packages easily, reliably, and cost-effectively. As your needs have expanded we have broadened our capabilities, adding new programmers, design software, and device handler/labelers to our product line. And we've always provided an easy upgrade path so you could keep pace with the changing technology.*

*Today, as the industry leader, we have the resources and capabilities to continue to bring you the best support available. Our strong partnerships with semiconductor manufacturers around the world help us anticipate technology, so we'll be ready with the tools for tomorrow. We've been there from the start, and we'll be there for your future.*

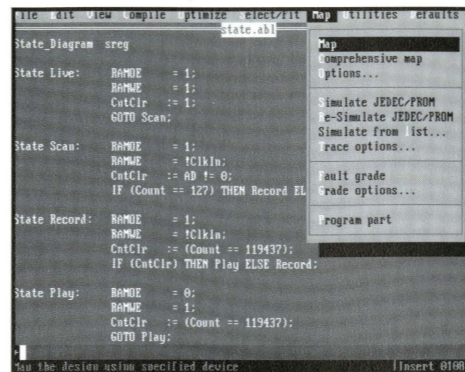
# THE DATA I/O PRODUCT LINE



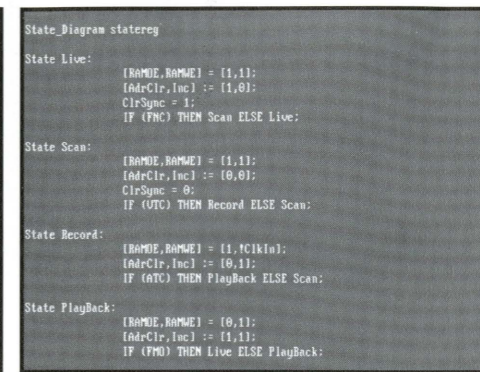
**FutureNet™**  
Schematic Designer



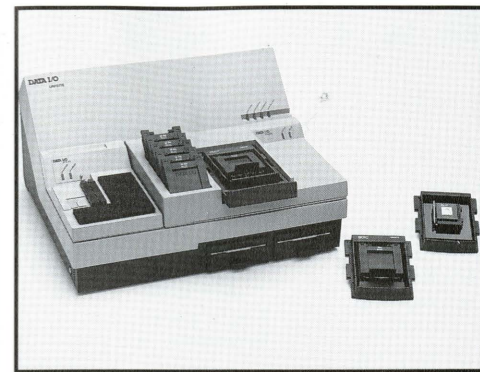
**ABEL-FPGA™**  
Design Software



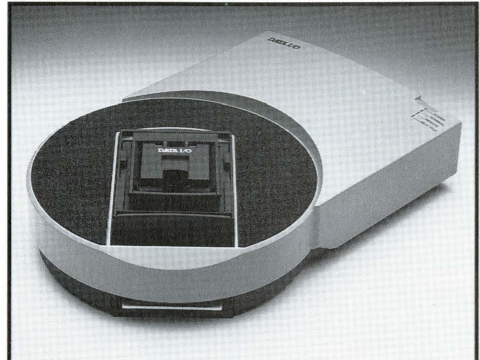
**ABEL™**  
Design Software



**ABEL-PLD™**  
Design Software



**UniSite™**  
Universal Programmer



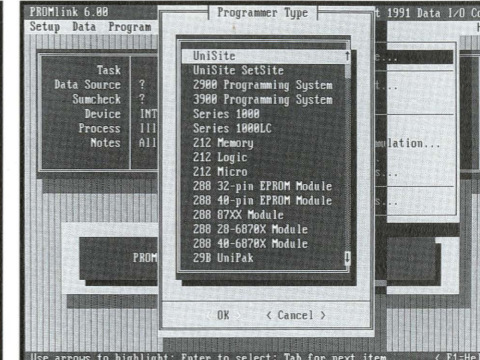
**3900**  
Programming System



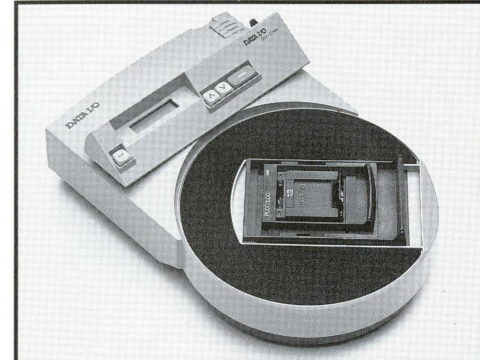
**2900**  
Programming System



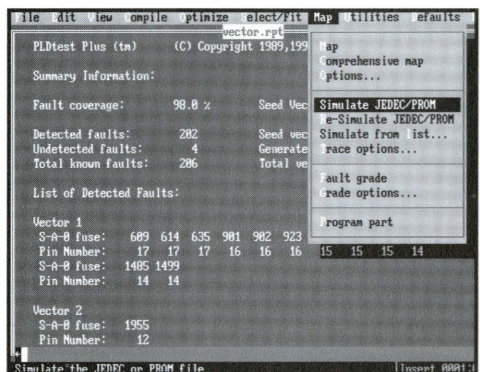
**212**  
Multi Programmer



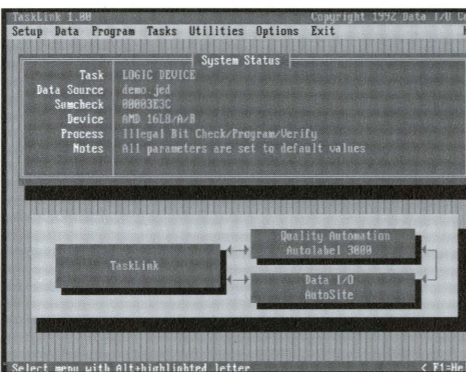
**PROMlink™-6**  
PC/Programmer Interface Software



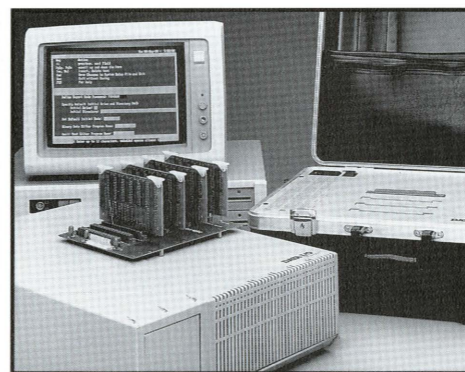
**QuickComm™**  
Programmer Terminal Interface



**PLDtest Plus™**  
Software



**TaskLink™**  
Universal Production Automation Software



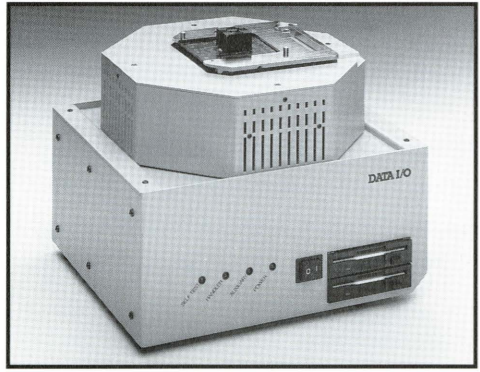
**BoardSite™**  
In-Circuit Programmable



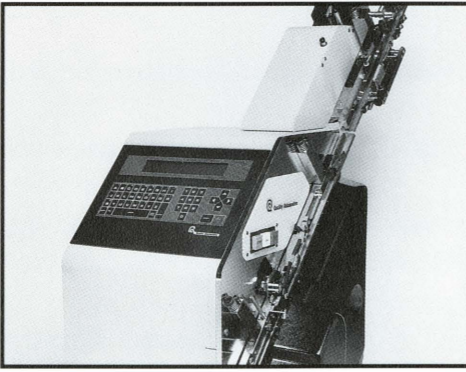
**Series 1000**  
Parallel Programmable



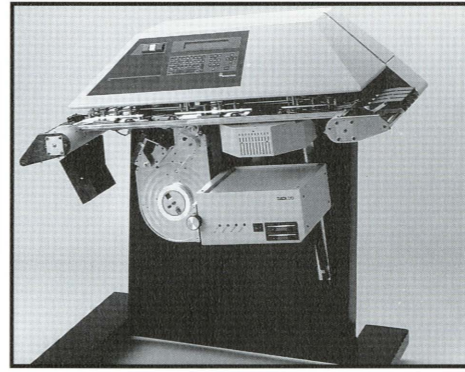
**288A**  
Multi Programmer



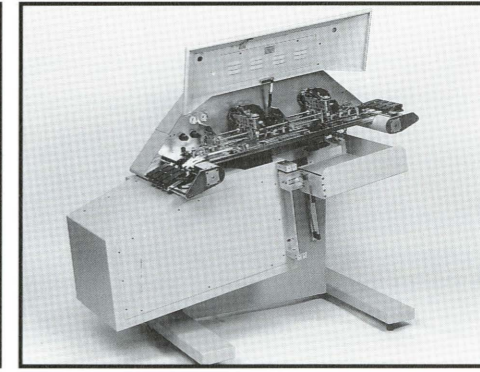
**AutoSite™**  
Automated Production Programmer



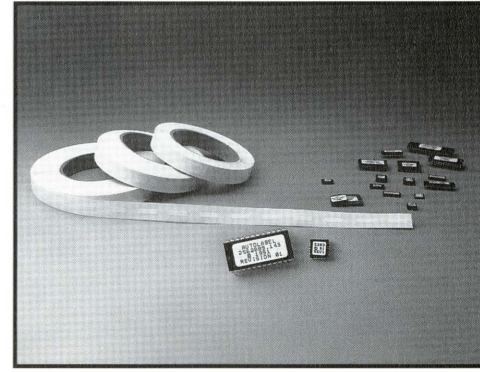
Quality Automation  
**Autolabel 2000**



**ProMaster 3000**  
Integrated Production Programming System



Quality Automation  
**Autolaser 7000**



**Labels and Ribbons**  
for Quality Automation Handlers

# HOW TO USE THIS WALL CHART

The Data I/O Wall Chart contains more programmable device information than ever. The following features make it easier and more convenient to access that information.

- **Tabbed sections** divide the different device categories so you can easily locate the section you need.
- **Device listings** within each tabbed section list the devices by density in ascending order, so you can quickly find the device you need or cross-reference devices (find alternate sources).
- **Data I/O software/firmware versions** show you which version of your Data I/O product you need to use for that device.
- **A manufacturers' index** identifies the exact page and column in the Wall Chart where your device is located.

## Listing of Device Sections

Device Category	Description
FPGAs	FPGAs, Complex Cell-Based Architecture PLDs
Complex PLDs	Complex Block-Based Architecture PLDs
EECMOS PLDs	Electrically-Erasable CMOS PLDs
CMOS PLDs	UV-Erasable CMOS PLDs
TTL PLDs	PLDs with TTL Output Levels
ECL PLDs	PLDs with ECL Output Levels
Microcontrollers	Programmable Microcontrollers and Peripherals
Memory Cards	Memory Cards
Flash Memories	Flash Memories
ECL PROMs	PROMs with ECL Output Levels
EPROMs	UV-Erasable PROMs
EEPROMs	Electrically-Erasable PROMs
TTL EPROMs	CMOS Replacements for TTL PROMs
Serial EPROMs	C/MOS Memories with Serial Data Output
TTL PROMs	PROMs with TTL Output Levels

### Don't take risks—use the latest algorithm!

Devices listed in this Wall Chart in **BOLD TYPE** have received an algorithm change within the past year. To accurately program these devices, you need to use the newest software or hardware version that supports the latest algorithm changes. If you use an older, out-of-date version, you risk decreased programming yields, increased programming times, and even long-term reliability problems.

Device algorithms can change frequently as a result of semiconductor manufacturers' efforts to maintain or improve device characteristics and process yields. In fact, most algorithms will change four or more times during a typical device's five-year life span (see Figure 1). To keep up with these constant changes, you need to update your software/firmware on a regular basis.

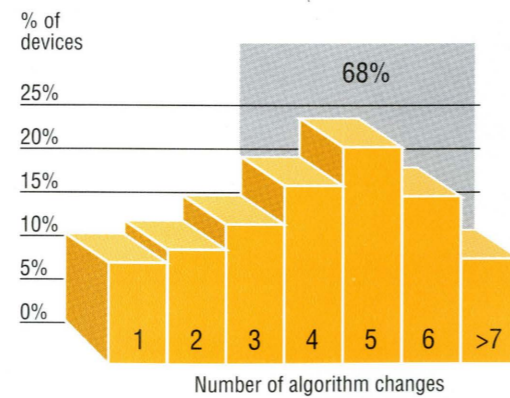


Figure 1: 68% of all devices receive four or more algorithm changes during their lifetime.

### Keep Current with Data I/O.



Data I/O's Keep Current™ Subscription Service is the easiest way to ensure that you always use the manufacturer's latest approved algorithms. As a Keep Current subscriber, you automatically receive update kits containing all the modified algorithms already incorporated. Add the Keep Current Express option for immediate access to new and modified algorithms, via Data I/O's Electronic Bulletin Board, up to three months before they are incorporated into an update kit.

For more information on the Keep Current Subscription Service, call 1-800-3-DataIO (1-800-332-8246). Outside the U.S., contact your local Data I/O representative (see pages 26-27 of this chart).

### Certified algorithms ensure optimum reliability and yields.

Data I/O uses only manufacturer-approved algorithms on every programmer. Every new and changed algorithm is thoroughly evaluated using device samples from the manufacturer to ensure the highest possible yields and long-term reliability. In addition, Data I/O and the device manufacturers work together to certify the specific device and programmer, thus achieving the highest algorithm integrity in the industry.

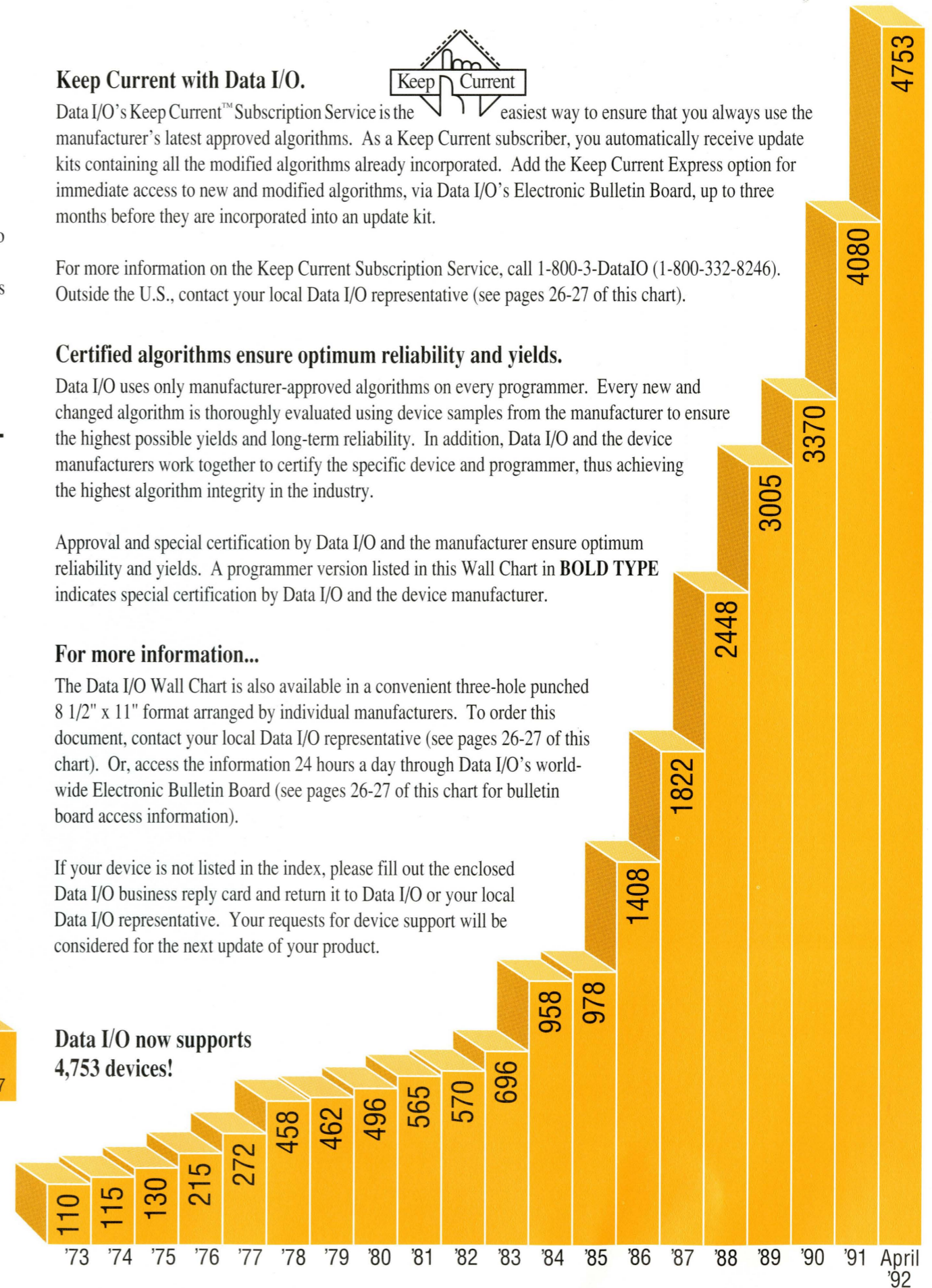
Approval and special certification by Data I/O and the manufacturer ensure optimum reliability and yields. A programmer version listed in this Wall Chart in **BOLD TYPE** indicates special certification by Data I/O and the device manufacturer.

### For more information...

The Data I/O Wall Chart is also available in a convenient three-hole punched 8 1/2" x 11" format arranged by individual manufacturers. To order this document, contact your local Data I/O representative (see pages 26-27 of this chart). Or, access the information 24 hours a day through Data I/O's world-wide Electronic Bulletin Board (see pages 26-27 of this chart for bulletin board access information).

If your device is not listed in the index, please fill out the enclosed Data I/O business reply card and return it to Data I/O or your local Data I/O representative. Your requests for device support will be considered for the next update of your product.

### Data I/O now supports 4,753 devices!



# FPGAs

DATA SORTED BY:  
Device File, Part, Package, Manufacturer

## VERY HIGH SPEED FPGAs



"Real-world" Speed  
100 MHz & up  
through:

- Technology
- Architecture
- Tools



QuickLogic Corporation  
2933 Bunker Hill Lane  
Santa Clara, CA 95054  
Phone: (408) 987-2000  
Fax: (408) 987-2012

For more information mail the  
postcard on the back of this  
wall chart.

Manufacturer	Device	Device Type	Package	Pins	Device File	ABEL-FPGA	UnisSite/PrmSite	3900	3900 Base/Adapter	2900	2900 Base/Adapter	ProMaster
Actel	1010/A	FPGA	PGA	84	ACT1	4.0v	3.2	-	-	-	-	-
Actel	1010/A	FPGA	PLCC	44	ACT1	4.0v	3.2	-	-	-	-	-
Actel	1010/A	FPGA	PLCC	68	ACT1	4.0v	3.4	-	-	-	-	-
Actel	1010/A	FPGA	PLCC	68	ACT1	4.0v	3.4	USM-340-001	-	-	-	-
Actel	1010/A	FPGA	PLCC	84	ACT1	4.0v	3.2	-	-	-	-	-
TI	1010A	FPGA	PGA	84	ACT1	4.0v	3.4	-	-	-	-	-
TI	1010A	FPGA	PLCC	68	ACT1	4.0v	3.2	-	-	-	-	-
TI	1010A	FPGA	PLCC	68	ACT1	4.0v	3.2	USM-340-001	-	-	-	-
TI	1010A	FPGA	PLCC	84	ACT1	4.0v	-	-	-	-	-	-
Actel	1020/A	FPGA	PGA	84	ACT1	4.0v	3.2	-	-	-	-	-
Actel	1020/A	FPGA	PLCC	84	ACT1	4.0v	3.4	-	-	-	-	-
Actel	1020/A	FPGA	PLCC	68	ACT1	4.0v	3.2	-	-	-	-	-
Actel	1020/A	FPGA	PLCC	68	ACT1	4.0v	3.2	USM-340-001	-	-	-	-
Actel	1020/A	FPGA	PLCC	44	ACT1	4.0v	3.2	-	-	-	-	-
TI	1020A	FPGA	PGA	84	ACT1	4.0v	-	-	-	-	-	-
TI	1020A	FPGA	PLCC	68	ACT1	4.0v	3.4	-	-	-	-	-
TI	1020A	FPGA	PLCC	68	ACT1	4.0v	3.4	USM-340-001	-	-	-	-
TI	1020A	FPGA	PLCC	84	ACT1	4.0v	3.4	-	-	-	-	-
TI	1020B	FPGA	PLCC	68	ACT1	4.0v	-	-	-	-	-	-
TI	1020B	FPGA	PLCC	84	ACT1	4.0v	-	-	-	-	-	-
TI	1020B	FPGA	QFP	100	ACT1	4.0v	-	-	-	-	-	-
Plus Logic	2010	FPGA	DIP	40	H2010A40	4.0	-	-	-	-	-	-
Plus Logic	2010	FPGA	PLCC	44	H2010A44	4.0	-	-	-	-	-	-
Plus Logic	2020	FPGA	JLCC	84	FPGA2020	4.1s	3.4	1.1	P/LCC	1.7	PPI-0208	1.0
Ricoh	2020	FPGA	JLCC	84	FPGA2020	4.1s	3.4	-	-	-	-	-
Plus Logic	2020	FPGA	PLCC	84	FPGA2020	4.1s	3.4	1.1	P/LCC	1.7	PPI-0208	1.0
Ricoh	2020	FPGA	PLCC	84	FPGA2020	4.1s	3.4	-	-	-	-	-
Plus Logic	2020A	FPGA	PLCC	84	H2020A84	4.0	-	-	-	-	-	-
Plus Logic	2020A	FPGA	PLCC	68	H2020A84	4.0	-	-	-	-	-	-
Xilinx	2018	FPGA	PGA	84	LCA2000	4.0rv	-	-	-	-	-	-
Xilinx	2018	FPGA	PLCC	68	LCA2000	4.0rv	-	-	-	-	-	-
Xilinx	2064	FPGA	DIP	48	LCA2000	4.0rv	-	-	-	-	-	-
Xilinx	2064	FPGA	PGA	68	LCA2000	4.0rv	-	-	-	-	-	-
Xilinx	2064	FPGA	PLCC	68	LCA2000	4.0rv	-	-	-	-	-	-
AT&T	3020	FPGA	PGA	84	LCA3000	4.0rv	-	-	-	-	-	-
Xilinx	3020	FPGA	PGA	84	LCA3000	4.0rv	-	-	-	-	-	-
AT&T	3020	FPGA	PLCC	68	LCA3000	4.0rv	-	-	-	-	-	-
AT&T	3020	FPGA	PLCC	84	LCA3000	4.0rv	-	-	-	-	-	-
Xilinx	3020	FPGA	PLCC	68	LCA3000	4.0rv	-	-	-	-	-	-
Xilinx	3020	FPGA	PLCC	84	LCA3000	4.0rv	-	-	-	-	-	-
AT&T	3030	FPGA	PGA	84	LCA3000	4.0rv	-	-	-	-	-	-
Xilinx	3030	FPGA	PGA	84	LCA3000	4.0rv	-	-	-	-	-	-
AT&T	3030	FPGA	PLCC	68	LCA3000	4.0rv	-	-	-	-	-	-
Xilinx	3030	FPGA	PLCC	68	LCA3000	4.0rv	-	-	-	-	-	-
AT&T	3042	FPGA	PGA	84	LCA3000	4.0rv	-	-	-	-	-	-
Xilinx	3042	FPGA	PGA	84	LCA3000	4.0rv	-	-	-	-	-	-
AT&T	3042	FPGA	PLCC	84	LCA3000	4.0rv	-	-	-	-	-	-
Xilinx	3042	FPGA	PLCC	84	LCA3000	4.0rv	-	-	-	-	-	-
AT&T	3064	FPGA	PGA	132	LCA3000	4.0rv	-	-	-	-	-	-
Xilinx	3064	FPGA	PGA	132	LCA3000	4.0rv	-	-	-	-	-	-
AT&T	3064	FPGA	PLCC	84	LCA3000	4.0rv	-	-	-	-	-	-
Xilinx	3064	FPGA	PLCC	84	LCA3000	4.0rv	-	-	-	-	-	-
AT&T	3090	FPGA	PLCC	84	LCA3000	4.0rv	-	-	-	-	-	-
Xilinx	3090	FPGA	PLCC	84	LCA3000	4.0rv	-	-	-	-	-	-
AT&T	3090	FPGA	QFP	160	LCA3000	4.0rv	-	-	-	-	-	-
Xilinx	3090	FPGA	QFP	160	LCA3000	4.0rv	-	-	-	-	-	-
AT&T	3090	FPGA	QFP	164	LCA3000	4.0rv	-	-	-	-	-	-
Xilinx	3090	FPGA	QFP	160	LCA3000	4.0rv	-	-	-	-	-	-
Xilinx	3090	FPGA	QFP	164	LCA3000	4.0rv	-	-	-	-	-	-

**BOLD TYPE** in these columns denotes changed algorithms

**A**

**BOLD TYPE** in these columns denotes special certification by Data I/O and the device manufacturer

s=fitter included with product o=optional fitter available r=required fitter available v=vendor software required

Field Programmable Gate Arrays for Logic Integration Leadership

For more information mail the postcard in the back of this wall chart.



## Win The Time-To-Market Race With XILINX

Xilinx gives you the lead to win the time-to-market race with fast, high performance, low cost programmable logic solutions.

Our patented EPLD and FPGA CMOS architectures offer you tremendous speed and flexibility. And, our design software is simple, powerful and interfaces to the EDA software you already have.

Xilinx applications include thousands of computer, telecommunications, DSP, military, and aerospace products.

Sound like the lead you need to win the time-to-market race?

For more information complete and mail the Xilinx postcard located in the back of the wall chart, or contact:

Xilinx, Inc.  
Tel. (408) 559-7778  
Fax. (408) 559-7114

# COMPLEX PLDs

DATA SORTED BY:  
Density, Device File, Device, Package, Manufacturer

## PLD OPEN SYSTEMS THE BEST WAY

Programmable logic is supposed to increase system design flexibility. If you have to use proprietary tools, then it doesn't. We don't believe in proprietary tools. So with our programmable logic you pick any tools you like.

### HERE'S WHY: 5.

REASON NUMBER

#### PREDICTABILITY

When you use Atmel's programmable logic you get what you pay for. Flexibility and performance. Our PLDs do what they're supposed to do — they deliver consistent high performance. It's just that simple. We call that predictability.

Why are our PLDs predictable? Because we use single level interconnects, and our logic cell can implement complex functions without expanders. It's just that simple.

So, try Atmel's growing family of programmable logic devices and pick anyone's development tools you like. You'll get what you paid for — flexibility and performance.

#### DECLARE YOUR INDEPENDENCE.



The people who make the difference.

ATMEL CORPORATION  
2125 O'Neil Drive San Jose, CA 95131  
Tel. 1-800-292-8635 Tel. (408) 441-0311  
FAX (408) 436-4200

Manufacturer	Device	Device Type	Package	Pins	Device File	ABEL-FFGA	ABEL	PLDlinx	PLDnest Plus	UniSite/48	UniSite/PinSite	3900	3900 Base/Adapter	2900	2900 Base/Adapter	ProMaster	HandlerSite
AMD/MMI	110	MACH	JLCC	44	MACH110/A	4.0r	4.0r	-	-	-	-	-	-	-	-	-	-
AMD/MMI	110	MACH	PLCC	44	MACH110/A	4.0r	4.0r	-	-	-	3.2	1.0	P/LCC	1.2	P/LCC	1.0	3.2
AMD/MMI	110	MACH	PLCC	68	MACH110/A	4.0r	4.0r	-	-	-	-	-	-	-	-	-	-
AMD/MMI	110	MACH	PLCC	84	MACH110/A	4.0r	4.0r	-	-	-	-	-	-	-	-	-	-
Signetics	PHD48N22	MACH	PLCC	68	MACH110/A	4.0s	4.0s	-	2.0	3.0	3.0	1.1	P/LCC	-	-	1.0	-
Atmel	42VA12	FPLA	DIP	24	F42VA12	4.0	3.2	-	-	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
Atmel	42VA12	FPLA	PLCC	28	F42VA12C	4.2	4.2	-	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6	-
Atmel	42VA12	FPLA	DIP	24	F42VA12	4.0	3.2	-	-	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
Atmel	42VA12	FPLA	PLCC	28	F42VA12C	4.2	4.2	-	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6	-
AMD/MMI	120	MACH	PLCC	68	MACH120/A	4.1r	4.1r	-	-	-	-	-	P/LCC	-	-	-	-
AMD/MMI	210	MACH	LCC	44	MACH210/A	4.0	4.0r	-	-	-	-	-	-	-	-	-	-
AMD/MMI	210	MACH	PLCC	44	MACH210/A	4.0	4.0r	-	-	-	3.3	1.0	P/LCC	1.4	P/LCC	1.0	3.3
AMD/MMI	210	MACH	PLCC	68	MACH210/A	4.0	4.0r	-	-	-	-	-	-	-	-	-	-
AMD/MMI	210	MACH	PLCC	84	MACH210/A	4.0	4.0r	-	-	-	-	-	-	-	-	-	-
AMD/MMI	210	MACH	QFP	44	MACH210/A	4.0	4.0r	-	-	-	-	-	-	-	-	-	-
Altera	5016	EPLD	DIP	20	P5016A/S	4.0s	4.0s	-	-	3.4	-	1.0	48 DIP	1.5	48 DIP	1.0	-
Altera	5016	EPLD	PLCC	20	P5016A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
Altera	5016	EPLD	SO	20	P5016A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
TI	6016	EPLD	DIP	20	P5016A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
TI	6016	EPLD	JLCC	20	P5016A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
TI	6016	EPLD	PLCC	20	P5016A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
National	MAPL128	FPLA	PLCC	28	FMAPL128	4.0r	4.0r	-	-	3.4	1.0	P/LCC	1.5	P/LCC	1.0	3.4	-
AMD/MMI	130	MACH	PLCC	84	MACH130/A	4.1r	4.1r	-	-	-	-	-	P/LCC	1.8	PPI-0204	1.0	-
Signetics	PLHS501	PML	PLCC	52	PML501	4.0	2.1	-	-	3.0	1.1	P/LCC	1.7	PPI-0215	1.0	1.7	-
AMD/MMI	220	MACH	LCC	68	MACH220/A	4.1r	4.1r	-	-	-	-	-	-	-	-	-	-
AMD/MMI	220	MACH	PLCC	68	MACH220/A	4.1r	4.1r	-	-	-	3.8	-	-	-	-	-	-
Altera	5024	EPLD	DIP	24	P5024A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
Altera	5024	EPLD	SO	24	P5024A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
Altera	6024	EPLD	DIP	24	P5024A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
TI	6024	EPLD	JLCC	28	P5024A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
TI	6024	EPLD	PLCC	28	P5024A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
TI	6024	EPLD	SO	24	P5024A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
AMD/MMI	230	MACH	PLCC	84	MACH230/A	4.1r	4.1r	-	-	3.6	1.2	P/LCC	1.9	PPI-0204	1.0	-	
Altera	1800	EPLD	JLCC	68	E1800	4.0s	3.0s	1.0	-	3.3	1.1	P/LCC	1.7	PPI-0203	1.0	3.3	-
Altera	1800	EPLD	PGA	68	E1800	4.0s	3.0s	1.0	-	3.2	-	-	-	-	-	-	-
Altera	1800	EPLD	PLCC	68	E1800	4.0s	3.0s	1.0	-	3.0	1.0	P/LCC	1.7	PPI-0203	1.0	2.7	-
TI	1810	EPLD	DIP	64	E1800	4.0s	3.0s	1.0	-	-	-	-	-	-	-	-	-
TI	1810	EPLD	JLCC	68	E1800	4.0s	3.0s	1.0	-	3.2	1.0	P/LCC	1.7	PPI-0203	1.0	3.2	-
Altera	1810	EPLD	LCC	68	E1800	4.0s	3.0s	1.0	-	-	-	-	-	-	-	-	-
Altera	1810	EPLD	PGA	68	E1800	4.0s	3.0s	1.0	-	3.2	-	-	-	-	-	-	-
TI	1810	EPLD	PLCC	68	E1800	4.0s	3.0s	1.0	-	3.0	1.1	P/LCC	1.7	PPI-0203	1.0	2.7	-
Altera	1810-20/25	EPLD	PLCC	68	E1800	4.0s	3.0s	1.0	-	3.3	1.0	P/LCC	1.7	PPI-0203	1.0	3.3	-
Altera	1810-20T/25T/35T	EPLD	PLCC	68	E1800	4.0s	3.0s	1.0	-	3.3	1.1	P/LCC	1.7	PPI-0203	1.0	3.3	-
Altera	1810-20T/25T/35T-NEW	EPLD	PLCC	68	E1800	4.0s	3.0s	1.0	-	3.7	1.2	P/LCC	1.8	PPI-0203	1.0	-	
Altera	1810-35/40/45	EPLD	JLCC	68	E1800	4.0s	3.0s	1.0	-	3.3	1.0	P/LCC	1.7	PPI-0203	1.0	3.3	-
Altera	1810-35/40/45	EPLD	PLCC	68	E1800	4.0s	3.0s	1.0	-	3.3	1.0	P/LCC	1.7	PPI-0203	1.0	3.3	-
TI	1830	EPLD	DIP	64	E1800	4.0s	3.0s	1.0	-	-	-	-	-	-	-	-	-
Altera	1830	EPLD	JLCC	68	E1800	4.0s	3.0s	1.0	-	-	-	-	-	-	-	-	-
TI	1830	EPLD	JLCC	68	E1800	4.0s	3.0s	1.0	-	3.6	-	-	-	-	-	-	3.6
Altera	1830	EPLD	PGA	68	E1800	4.0s	3.0s	1.0	-	-	-	-	-	-	-	-	-
Altera	1830	EPLD	PLCC	68	E1800	4.0s	3.0s	1.0	-	3.6	-	-	-	-	-	-	3.6
TI	1830	EPLD	PLCC	68	E1800	4.0s	3.0s	1.0	-	3.6	-	-	-	-	-	-	3.6
Intel	5C180	EPLD	JLCC	68	E1800	4.0s	3.0s	1.0	-	3.3	1.0	P/LCC	1.7	PPI-0203	1.0	3.3	-
Intel	5C180	EPLD	PGA	68	E1800	4.0s	3.0s	1.0	-	3.4	-	-	-	-	-	-	-
Intel	5C180	EPLD	PLCC	68	E1800	4.0s	3.0s	1.0	-	3.0	1.0	P/LCC	1.7	PPI-0203	1.0	2.7	-
Altera	5032	MAX	DIP	28	P5032A/S	4.0s	4.0s	-	-	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	-
Altera	5032	MAX	JLCC	28	P5032A/S	4.0s	4.0s	-	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	-	
Altera	5032	MAX	PLCC	28	P5032A/S	4.0s	4.0s	-	-	3.7	1.1	P/LCC	1.8	P/LCC	1.0	-	
Altera	5032	MAX	SO	28	P5032A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
TI	6032	EPLD	DIP	28	P5032A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
TI	6032	EPLD	JLCC	28	P5032A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
TI	6032	EPLD	PLCC	28	P5032A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
Cypress	7C344	EPLD	DIP	28	P5032A/S	4.0s	4.0s	-	-	3.5	-	1.0	48 DIP	1.6	48 DIP	1.0	-
Cypress	7C344	EPLD	JLCC	28	P5032A/SC	4.1s	4.1s	-	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	-
Cypress	7C344	EPLD	PLCC	28	P5032A/SC	4.1s	4.1s	-	-	3.7	1.2	P/LCC	1.8	P/LCC	1.0	-	
Cypress	7C344	EPLD	SO	28	P5032A/S	4.0s	4.0s	-	-	-	-	-	-	-	-	-	-
Atmel	2500	EPLD	DIP	40	P2500	4.0s	3.1s	-	-	2.6	-	1.0	48 DIP	1.3	48 DIP	1.0	-
Signetics	2500	EPLD	DIP	40	P2500	4.0s	3.1s	-	-	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	-
Atmel	2500	EPLD	LCC	44	P2500	4.0s	3.1s	-	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	-	
Atmel	2500	EPLD	PLCC	44	P2500	4.0s	3.1s	-	-	3.0	1.0	P/LCC	1.3	P/LCC	1.0	2.8	
Atmel	5000	EPLD	JLCC	68	P5000	4.1	4.1s	-	-	-	-	-	-	-	-	-	-
Atmel	5000	EPLD	PGA	68	P5000	4.1	4.1s	-	-	3.8	-	-	-	-	-	-	-
Atmel	5000	EPLD	PLCC	68	P5000	4.1	4.1s	-	-	3.6	1.2	P/LCC	-	-	-	1.0	-
Signetics	5000	EPLD	PLCC	68	P5000	4.1	4.1s	-	-	3.6	-	-	-	-	-	-	-
Altera	5064	MAX	JLCC	44	-	-	-	-	-	3.7	1.2	P/LCC	1.8	P/LCC	1.0	-	
Altera	5128	MAX	JLCC	68	-	-	-	-	-	3.8	1.3	PPI_0214	-	-	-	1.0	-
Altera	5128	MAX															



# EECMOS PLDs

DATA SORTED BY:  
Density, Device File, Device, Package, Manufacturer

Manufacturer	Device	Device Type	Package	Pins	Device File	ABEL-FPGA	ABEL	ABEL-PLD	PLDlinux	PLDtest Plus	UniSite/PLD Site 48	UniSite/PLD Site	3900	3900 Base/Adapter	2900	2900 Base/Adapter	212	212 MOD-	ProMaster	Handler/PLD Site	
Toshiba	9806P	PLA	DIP	20	F9806	4.2	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toshiba	9807P	PLA	DIP	20	F9806	4.2	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lattice	20XV10	GAL	DIP	24	P20XV10	4.2	4.2	-	-	-	3.6	1.1	48 DIP	1.7	48 DIP	-	-	-	1.0	3.6	-
Lattice	20XV10	GAL	PLCC	28	P20XV10	4.2	4.2	-	-	-	3.6	1.1	P/LCC	1.7	P/LCC	-	-	-	1.0	3.6	-
Lattice	20XV10B	GAL	DIP	24	P20XV10	4.2	4.2	-	-	-	3.6	1.1	P/LCC	1.7	P/LCC	-	-	-	1.0	3.6	-
Lattice	20XV10B	GAL	PLCC	28	P20XV10	4.2	4.2	-	-	-	3.6	1.1	P/LCC	1.7	P/LCC	-	-	-	1.0	3.6	-
Lattice	9800P	PLA	DIP	20	F9800	4.0	3.20	-	-	-	2.8	-	48 DIP	1.0	48 DIP	-	-	-	1.0	2.8	-
Toshiba	9800P	PLA	SO	20	F9800	4.0	3.20	-	-	-	2.8	-	48 DIP	1.0	48 DIP	-	-	-	1.0	2.8	-
Toshiba	9801P	PLA	DIP	20	F9800	4.0	3.20	-	-	-	2.8	-	48 DIP	1.0	48 DIP	-	-	-	1.0	2.8	-
Toshiba	9801P	PLA	SO	20	F9800	4.0	3.20	-	-	-	2.8	-	48 DIP	1.0	48 DIP	-	-	-	1.0	2.8	-
Gould	153	PEEL	DIP	20	F153	4.0	1.00	3.2	1.0	-	2.6	-	48 DIP	1.0	48 DIP	-	-	-	1.0	2.6	-
Hyundai	153	EEPAL	DIP	20	F153	4.0	1.00	3.2	1.0	-	2.6	-	48 DIP	1.0	48 DIP	-	-	-	1.0	2.6	-
Int'l CMOS	153	PEEL	DIP	20	F153	4.0	1.00	3.2	1.0	-	2.2	-	48 DIP	1.0	48 DIP	-	-	2.1L	CL1	1.0	2.2
Toshiba	9808P	ZPLA	DIP	20	F9808	4.2	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toshiba	9809P	ZPLA	DIP	20	F9808	4.2	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gould	173	PEEL	DIP	24	F173	4.0	2.00	3.2	1.0	-	2.5	-	48 DIP	1.0	48 DIP	-	-	2.1L	CL1	1.0	2.5
Hyundai	173	EEPAL	DIP	24	F173	4.0	2.00	3.2	1.0	-	2.5	-	48 DIP	1.0	48 DIP	-	-	2.1L	CL1	1.0	2.5
Int'l CMOS	173	PEEL	DIP	24	F173	4.0	2.00	3.2	1.0	-	2.2	-	48 DIP	1.0	48 DIP	-	-	2.1L	CL1	1.0	2.2
Lattice	16V8	GAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.7	-	48 DIP	1.7	48 DIP	-	-	2.1L	CL1	1.0	3.7
National	16V8	GAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.7	-	48 DIP	1.7	48 DIP	-	-	2.1L	CL1	1.0	3.7
Lattice	16V8	GAL	PLCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.6	1.1	P/LCC	1.7	P/LCC	-	-	-	1.0	3.6	-
National	16V8	GAL	PLCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.6	1.1	P/LCC	1.7	P/LCC	-	-	-	1.0	3.6	-
VLSI	16V8	GAL	SO	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.0	-	-	-	-	-	-	-	-	-	-
National	16V8-10	GAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.6	-	48 DIP	1.7	48 DIP	-	-	-	1.0	3.6	-
National	16V8-10	GAL	PLCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.6	1.1	P/LCC	1.7	P/LCC	-	-	-	1.0	3.6	-
National	16V8-7	GAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.6	-	48 DIP	1.7	48 DIP	-	-	4.0L	CL1	1.0	3.6
National	16V8-7	GAL	PLCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.6	1.1	P/LCC	1.7	P/LCC	-	-	-	1.0	3.6	-
National	16V8/A/OS	GAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.6	-	48 DIP	1.7	48 DIP	-	-	4.0L	CL1	1.0	3.6
National	16V8/A/OS	GAL	PLCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.6	1.1	P/LCC	1.7	P/LCC	-	-	-	1.0	3.6	-
SGS-Thomson	16V8/AS	GAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	2.8	-	48 DIP	1.0	48 DIP	-	-	-	1.0	2.8	-
SGS-Thomson	16V8/AS	GAL	PLCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	2.8	-	48 DIP	1.0	48 DIP	-	-	-	1.0	2.8	-
Lattice	16V8A	GAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.7	-	48 DIP	1.7	48 DIP	-	-	2.1L	CL1	1.0	3.7
Lattice	16V8A	GAL	LCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.6	1.1	P/LCC	1.7	P/LCC	-	-	-	1.0	3.6	-
Lattice	16V8A	GAL	PLCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.7	1.1	P/LCC	1.7	P/LCC	-	-	-	1.0	3.6	-
National	16V8AUES	GAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.7	-	48 DIP	1.7	48 DIP	-	-	-	1.0	3.6	-
National	16V8AUES	GAL	PLCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.7	-	48 DIP	1.7	48 DIP	-	-	-	1.0	3.6	-
Lattice	16V8B	GAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.7	-	48 DIP	1.7	48 DIP	-	-	-	1.0	3.6	-
Lattice	16V8B	GAL	PLCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.7	-	48 DIP	1.7	48 DIP	-	-	-	1.0	3.6	-
SGS-Thomson	16V8S	GAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	2.8	-	48 DIP	1.0	48 DIP	-	-	-	1.0	2.8	-
National	16V8UES	GAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	2.8	-	48 DIP	1.0	48 DIP	-	-	-	1.0	2.8	-
National	16V8UES	GAL	PLCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	2.8	-	48 DIP	1.0	48 DIP	-	-	-	1.0	2.8	-
AMD/MMI	CE16V8H-10/4	PAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.7	-	48 DIP	1.8	48 DIP	-	-	-	1.0	3.7	-
AMD/MMI	CE16V8H-10/4	PAL	PLCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.7	-	48 DIP	1.8	48 DIP	-	-	-	1.0	3.7	-
AMD/MMI	CE16V8H-10/4	PAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.7	-	48 DIP	1.8	48 DIP	-	-	-	1.0	3.7	-
AMD/MMI	CE16V8H-10/4	PAL	PLCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.7	-	48 DIP	1.8	48 DIP	-	-	-	1.0	3.7	-
AMD/MMI	CE16V8H-25/4	PAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.7	-	48 DIP	1.8	48 DIP	-	-	-	1.0	3.7	-
AMD/MMI	CE16V8H-25/4	PAL	PLCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.7	-	48 DIP	1.8	48 DIP	-	-	-	1.0	3.7	-
AMD/MMI	CE16V8Z	PAL	DIP	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.6	1.1	48 DIP	1.7	48 DIP	-	-	-	1.0	3.6	-
AMD/MMI	CE16V8Z	PAL	PLCC	20	P16V8	4.0	2.00	3.2	1.0	1.2	3.6	1.1	P/LCC	1.7	P/LCC	-	-	-	1.0	3.6	-
Lattice	16Z8	GAL	DIP	24	P16Z8	4.0	3.00	3.2	1.0	1.0	3.7	-	-	-	-	-	-	-	-	3.7	-
National	16Z8	ISP	DIP	20	P16Z8	4.0	3.00	3.2	1.0	1.0	3.7	-	-	-	-	-	-	-	-	3.7	-
SGS-Thomson	16Z8	GAL	DIP	24	P16Z8	4.0	3.00	3.2	1.0	1.0	3.7	-	-	-	-	-	-	-	-	3.7	-
Lattice	16Z8	GAL	PLCC	28	P16Z8	4.0	3.00	3.2	1.0	1.0	3.7	-	-	-	-	-	-	-	-	3.7	-
SGS-Thomson	16Z8	GAL	PLCC	28	P16Z8C	4.0	3.10	3.2	1.0	2.0	-	-	-	-	-	-	-	-	-	-	-
AMD/MMI	CE16V8HD	PAL	DIP	24	P16V8HD	4.2	4.2	-	-	-	3.6	-	48 DIP	1.7	48 DIP	-	-	-	1.0	3.6	-
Gould	253	PEEL	DIP	20	F253	4.0	3.00	3.2	1.0	-	2.5	-	48 DIP	1.0	48 DIP	-	-	-	1.0	2.5	-
Hyundai	253	EEPAL	DIP	20	F253	4.0	3.00	3.2	1.0	-	2.5	-	48 DIP	1.0	48 DIP	-	-	-	1.0	2.5	-
Int'l CMOS	253	PEEL	DIP	20	F253	4.0	3.00	3.2	1.0	-	2.2	-	48 DIP	1.0	48 DIP	-	-	2.1L	CL1	1.0	2.2
Gould	18CV8	PEEL	DIP	20	P18CV8	4.0	2.10	3.2	1.0	-	1.4	-	48 DIP	1.0	48 DIP	-	-	2.1L	CL1	1.0	1.4
Hyundai	18CV8	EEPLD	DIP	20	P18CV8	4.0	2.10	3.2	1.0	-	2.6	-	48 DIP	1.5	48 DIP	-	-	-	1.0	2.6	-
Int'l CMOS	18CV8	PEEL	DIP	20	P18CV8	4.0	2.10	3.2	1.0	-	1.4	-	48 DIP	1.0	48 DIP	-	-	2.1L	CL1	1.0	1.4
Gould	18CV8	PEEL	PLCC	20	P18CV8	4.0	2.10	3.2	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	-	1.0	2.7	-
Int'l CMOS	18CV8	PEEL	PLCC	20	P18CV8	4.0	2.10	3.2	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	-	1.0	2.5	-
Lattice	20V8	GAL	DIP	24	P20V8	4.0	2.00	3.2	1.0	1.2	3.7	-	48 DIP	1.7	48 DIP	-	-	2.1L	CL1	1.0	3.7
National	20V8	GAL	DIP	24	P20V8	4.0	2.00	3.2	1.0	1.2	3.6	-	48 DIP	1.7	48 DIP	-	-	4.0L			

# CMOS PLDs

DATA SORTED BY:

Density, Device File, Device, Package, Manufacturer

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Manufacturer	Device	Device Type	Package	Pins	Device File	ABEL-FPGA	ABEL	ABEL-PLD	PLDInx	PLDnest Plus	UniSite/Std 48	UniSite/PinSite	3900	3900 Base/Adapter	2900	2900 Base/Adapter	212	212 MOD-	ProMaster	HandlerSite	
Intel	85C508	MPLD	DIP	28	P508	4.0s	3.2s	-	-	-	3.4	-	1.0	48 DIP	1.5	48 DIP	-	-	1.0	-	
Intel	85C508	MPLD	PLCC	28	P508	4.0s	3.2s	-	-	-	-	-	-	-	-	-	-	-	-	-	
VLSI	VP10P8	EPLD	DIP	20	P10P8	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
VLSI	VP12P6	EPLD	DIP	20	P12P6	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
VLSI	VP14P4	EPLD	DIP	20	P14P4	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Cypress	12L10	PAL	DIP	24	P12L10	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
VLSI	VP16P2	EPLD	DIP	20	P16P2	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Cypress	14L8	PAL	DIP	24	P14L8	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Cypress	16L6	PAL	DIP	24	P16L6	-	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Cypress	20L2	PAL	DIP	24	P20L2	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Ricoh	10P8A	EPLD	DIP	20	E10P8	4.0s	2.0s	-	1.0	2.0	1.0	-	1.0	48 DIP	1.0	48 DIP	-	-	1.0	1.0	
Ricoh	10P8B	EPLD	DIP	20	E10P8	4.0s	2.0s	-	1.0	2.0	1.0	-	1.0	48 DIP	1.0	48 DIP	2.1L	CL1	1.0	1.0	
Ricoh	10P8B	EPLD	SO	20	E10P8	4.0s	2.0s	-	1.0	2.0	-	3.0	-	1.7	SOIC	-	-	-	-	-	
Cypress	18L4	PAL	DIP	24	P18L4	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Ricoh	12P6A	EPLD	DIP	20	E12P6	4.0s	2.0s	-	1.0	2.0	1.0	-	1.0	48 DIP	1.0	48 DIP	-	-	1.0	1.0	
Ricoh	12P6B	EPLD	DIP	20	E12P6	4.0s	2.0s	-	1.0	2.0	1.0	-	1.0	48 DIP	1.0	48 DIP	2.1L	CL1	1.0	1.0	
Ricoh	14P4A	EPLD	DIP	20	E14P4	4.0s	2.0s	-	1.0	2.0	1.0	-	1.0	48 DIP	1.0	48 DIP	2.1L	CL1	1.0	1.0	
Ricoh	14P4B	EPLD	DIP	20	E14P4	4.0s	2.0s	-	1.0	2.0	1.0	-	1.0	48 DIP	1.0	48 DIP	2.1L	CL1	1.0	1.0	
Ricoh	16P2A	EPLD	DIP	20	E16P2	4.0s	2.0s	-	1.0	2.0	1.0	-	1.0	48 DIP	1.0	48 DIP	2.1L	CL1	1.0	1.0	
Ricoh	16P2B	EPLD	DIP	20	E16P2	4.0s	2.0s	-	1.0	2.0	1.0	-	1.0	48 DIP	1.0	48 DIP	2.1L	CL1	1.0	1.0	
Signetics	PLC473	FPLS	DIP	24	F473	4.0s	2.1s	3.2	1.0	-	2.1	-	1.0	48 DIP	1.1	48 DIP	-	-	1.0	2.1	
Signetics	PLC473	FPLS	PLCC	28	F473	4.0s	2.1s	3.2	1.0	-	2.1	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	1.0	2.4
Cypress	20L10	PAL	DIP	24	P20L10	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Samsung	20L10	CPL	DIP	24	P20L10	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	2.1L	CL1	1.0	3.0	
Samsung	20L10	CPL	PLCC	28	P20L10C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	1.0	3.0	
Signetics	PLC153	FPLA	DIP	20	F153	4.0s	1.0s	3.2	1.0	-	2.1	-	1.0	48 DIP	1.1	48 DIP	-	-	1.0	2.1	
Signetics	PLC153	FPLA	PLCC	20	F153	4.0s	1.0s	3.2	1.0	-	2.1	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	1.0	2.4
Cypress	16L8	PAL	DIP	20	P16L8	4.0	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	2.1L	CL1	1.0	3.0	
Samsung	16L8	CPL	DIP	20	P16L8	4.0	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	2.1L	CL1	1.0	3.0	
Cypress	16L8	PAL	LCC	20	P16L8	4.0	1.0s	3.2	1.0	1.0	-	3.2	1.0	P/LCC	1.5	P/LCC	-	-	1.0	-	
Cypress	16L8	PAL	PLCC	20	P16L8	4.0	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Samsung	16L8	CPL	PLCC	20	P16L8	4.0	1.0s	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	1.0	3.0	
Cypress	16L8	PAL	SO	20	P16L8	4.0	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Cypress	16L8	PAL	SOJ	20	P16L8	4.0	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Cypress	16L8-5	EPLD	DIP	20	P16L8	4.0	1.0s	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	1.0	-	
Cypress	16L8-7	EPLD	DIP	20	P16L8	4.0	1.0s	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	1.0	-	
Samsung	16R4	CPL	DIP	20	P16R4	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.1	48 DIP	1.7	48 DIP	2.1L	CL1	1.0	3.0	
Samsung	16R4	CPL	PLCC	28	P16R4	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	2.1L	CL1	1.0	3.0	
Cypress	16R4	PAL	LCC	20	P16R4	4.0s	1.0s	3.2	1.0	1.0	-	3.5	1.0	P/LCC	1.6	P/LCC	-	-	1.0	-	
Cypress	16R4	PAL	PLCC	20	P16R4	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Samsung	16R4	CPL	PLCC	20	P16R4	4.0s	1.0s	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	1.0	3.0	
Cypress	16R4	PAL	SO	20	P16R4	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Cypress	16R4	PAL	SOJ	20	P16R4	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Cypress	16R4-5	EPLD	DIP	20	P16R4	4.0s	1.0s	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	1.0	-	
Cypress	16R4-7	EPLD	DIP	20	P16R4	4.0s	1.0s	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	1.0	-	
Cypress	16R6	PAL	DIP	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	2.1L	CL1	1.0	3.0	
Samsung	16R6	CPL	DIP	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	2.1L	CL1	1.0	3.0	
Cypress	16R6	PAL	LCC	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	-	3.5	1.0	P/LCC	1.6	P/LCC	-	-	1.0	-	
Cypress	16R6	PAL	PLCC	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Samsung	16R6	CPL	PLCC	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	1.0	3.0	
Cypress	16R6	PAL	SO	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Cypress	16R6	PAL	SOJ	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Cypress	16R6-5	EPLD	DIP	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	1.0	-	
Cypress	16R6-7	EPLD	DIP	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	1.0	-	
Cypress	16R8	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	2.1L	CL1	1.0	3.0	
Samsung	16R8	CPL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	2.1L	CL1	1.0	3.0	
Cypress	16R8	PAL	LCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.5	1.0	P/LCC	1.6	P/LCC	-	-	1.0	-	
Cypress	16R8	PAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Samsung	16R8	CPL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	1.0	3.0	
Cypress	16R8	PAL	SO	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Cypress	16R8	PAL	SOJ	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	-	-	
Cypress	16R8-5	EPLD	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	1.0	-	
Cypress	16R8-7	EPLD	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	1.0	-	
TI	C16L8	PAL	DIP	20	P16L8	4.0	1.0s	3.2	1.0	1.0	2.2	-	1.0	48 DIP	1.0	48 DIP	-	-	1.0	2.2	
AMD/MMI	C16L8Q	PAL	DIP	20	P16L8	4.0	1.0s	3.2	1.0	1.0	2.4	-	1								

# CMOS PLDs

Continued  
DATA SORTED BY:  
Density, Device File, Device, Package, Manufacturer

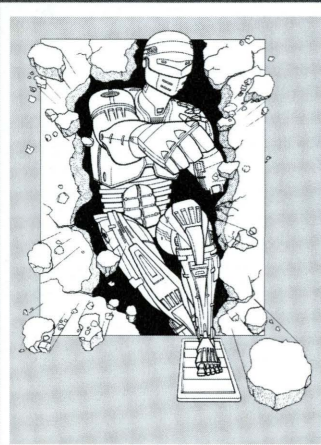


The UniSite™ Universal Programmer, Data I/O's most advanced programming system, supports virtually every programmable device technology and package on the market.

Manufacturer	Device	Device Type	Package	Pins	Device File	ABEL-FPGA	ABEL	ABEL-PLD	PLDInx	PLDnest Plus	UniSite/48	UniSite/PinSite	3900	3900 Base/Adapter	2900	2900 Base/Adapter	212	212 MOD-	ProMaster	HandlerSite
Signetics	PLC20V8	PAL	DIP	24	P20SV8	4.0s	3.10	3.2	1.0	2.0	2.1	-	1.0	48 DIP	1.0	48 DIP	-	-	1.0	2.1
Signetics	PLC20V8	PAL	PLCC	28	P20SV8	4.0s	3.10	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	1.0	2.4
Intel	85C224	MPLD	DIP	24	E224	4.0s	4.0s	-	-	-	3.1	1.0	1.0	48 DIP	1.2	48 DIP	-	-	1.0	3.1
Intel	85C224	MPLD	PLCC	28	E224C	4.0s	4.0s	-	-	-	3.1	1.0	1.0	P/LCC	1.2	P/LCC	-	-	1.0	3.1
Cypress	20RA10	PAL	DIP	24	P20RA10	4.0s	2.0s	3.2	1.0	2.0	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	1.0	3.6
Cypress	20RA10	PAL	LCC	28	P20RA10C	4.0s	3.10	3.2	1.0	2.0	-	3.6	1.1	P/LCC	1.7	P/LCC	-	-	1.0	3.6
Cypress	20RA10	PAL	PLCC	28	P20RA10C	4.0s	3.10	3.2	1.0	2.0	-	3.6	1.1	P/LCC	1.7	P/LCC	-	-	1.0	3.6
Cypress	20G10	PAL	PLCC	28	P20G10C	4.0s	3.10	-	-	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	1.0	2.6
Cypress	20G10-NL	PAL	PLCC	28	P20G10C	4.0s	3.10	-	-	2.0	-	-	-	-	-	-	-	-	-	-
Cypress	20G10/A	PAL	DIP	24	P20G10	4.0s	2.10	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	4.0L	CL1	1.0	3.0
Cypress	20G10B	PAL	DIP	24	P20G10	4.0s	2.10	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	4.0L	CL1	1.0	3.6
Cypress	20G10B	EPLD	JLCC	28	P20G10C	4.0s	3.10	-	-	2.0	-	-	-	-	-	-	-	-	-	-
Cypress	20G10B	PAL	PLCC	28	P20G10C	4.0s	3.10	-	-	2.0	-	3.6	1.1	P/LCC	1.7	P/LCC	-	-	1.0	3.6
Cypress	20G10C	PAL	DIP	24	P20G10	4.0s	2.10	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	1.0	-
Ricoh	204	EPLD	DIP	20	E204	4.0	3.2	-	-	-	2.6	-	1.0	48 DIP	1.0	48 DIP	-	-	1.0	2.6
Ricoh	242	EPLD	DIP	24	E242	4.1	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Ricoh	242	EPLD	PLCC	28	E242C	4.1	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-
PLX	448	RPLD	DIP	24	P448	4.0s	3.0s	-	-	-	2.4	-	1.0	48 DIP	1.0	48 DIP	-	-	1.0	2.4
PLX	448	RPLD	JLCC	28	P448C	4.0s	3.2s	-	-	-	-	-	-	-	-	-	-	-	-	-
PLX	448	RPLD	PLCC	28	P448C	4.0s	3.2s	-	-	-	-	-	-	-	-	-	-	-	-	-
PLX	464	RPLD	DIP	24	P464	4.0s	3.2s	-	-	-	2.7	-	1.0	48 DIP	1.0	48 DIP	-	-	1.0	2.7
PLX	464	RPLD	JLCC	28	P464C	4.0s	3.2s	-	-	-	-	-	-	-	-	-	-	-	-	-
PLX	464	RPLD	PLCC	28	P464C	4.0s	3.2s	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmel	415	FPLA	DIP	28	F415	4.0s	3.2s	-	-	-	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	1.0	-
Atmel	415	FPLA	DIP	28	F415	4.0s	3.2s	-	-	-	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	1.0	-
Atmel	415	FPLA	PLCC	28	F415	4.0s	3.2s	-	-	-	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	1.0	3.6
Atmel	415	FPLA	DIP	28	F415	4.0s	3.2s	-	-	-	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	1.0	3.6
Signetics	PLC415	FPLS	DIP	28	F415	4.0s	3.2s	-	-	-	2.6	-	1.0	48 DIP	1.0	48 DIP	-	-	1.0	-
Signetics	PLC415	FPLS	PLCC	28	F415	4.0s	3.2s	-	-	-	3.0	-	1.0	P/LCC	1.1	P/LCC	-	-	1.0	2.7
Atmel	22V10	EPLD	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	3.1	-	1.3	48 DIP	1.9	48 DIP	2.1L	CL1	1.0	-
Intel	22V10	EPLD	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	3.7	-	1.2	48 DIP	1.8	48 DIP	-	-	1.0	-
Intel	22V10	EPLD	LCC	28	P22V10	4.0s	1.0s	3.2	1.0	1.2	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	-	-
Intel	22V10	EPLD	PLCC	28	P22V10C	4.0s	3.10	-	-	2.0	-	3.0	1.3	P/LCC	1.9	P/LCC	-	-	1.0	-
Intel	22V10	EPLD	PLCC	28	P22V10C	4.0s	3.10	-	-	2.0	-	3.7	1.2	P/LCC	1.8	P/LCC	-	-	1.0	-
Atmel	22V10	EPLD	SO	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	-	-	-	-	-	-	-	-	-	-
Cypress	22V10-25	EPLD	SO	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	-	-	-	-	-	-	-	-	-	-
Cypress	22V10/A	PAL	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	3.0	-	1.0	48 DIP	1.0	48 DIP	4.0L	CL1	1.0	3.0
Cypress	22V10/A	PAL	LCC	28	P22V10C	4.0s	3.10	-	-	2.0	-	3.0	1.0	P/LCC	1.2	P/LCC	-	-	1.0	-
Cypress	22V10/A	PAL	PLCC	28	P22V10C	4.0s	3.10	-	-	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	1.0	3.0
Cypress	22V10B	EPLD	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	3.7	-	1.2	48 DIP	1.8	48 DIP	4.0L	CL1	1.0	3.7
Cypress	22V10B	EPLD	LCC	28	P22V10C	4.0s	3.10	-	-	2.0	-	3.6	1.1	P/LCC	1.7	P/LCC	-	-	1.0	3.6
Cypress	22V10B	EPLD	PLCC	28	P22V10C	4.0s	3.10	-	-	2.0	-	3.6	1.1	P/LCC	1.7	P/LCC	-	-	1.0	3.6
Cypress	22V10C	PAL	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	3.2	-	1.0	48 DIP	1.3	48 DIP	-	-	1.0	3.2
Cypress	22V10C	PAL	LCC	28	P22V10C	4.0s	3.10	-	-	2.0	-	-	-	-	-	-	-	-	-	-
Cypress	22V10C	PAL	PLCC	28	P22V10C	4.0s	3.10	-	-	2.0	-	3.2	1.0	P/LCC	1.6	P/LCC	-	-	1.0	3.2
AMD/MMI	C22V10	PAL	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	2.3	-	1.0	48 DIP	1.0	48 DIP	4.0L	CL1	1.0	2.3
AMD/MMI	C22V10	PAL	PLCC	28	P22V10C	4.0s	3.10	-	-	2.0	-	3.2	1.0	P/LCC	1.5	P/LCC	-	-	1.0	3.2
TI	C22V10T	PAL	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	3.0	-	1.0	48 DIP	1.0	48 DIP	4.0L	CL1	1.0	3.0
TI	C22V10T	PAL	PLCC	28	P22V10C	4.0s	3.10	-	-	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	1.0	3.0
TI	C22V10ZP	PAL	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	3.0	-	1.0	48 DIP	1.0	48 DIP	4.0L	CL1	1.0	3.0
TI	C22V10ZP	PAL	PLCC	28	P22V10C	4.0s	3.10	-	-	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	1.0	3.0
Intel	IPLD22V10	EPLD	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	1.0	-
Intel	IPLD22V10	EPLD	PLCC	28	P22V10C	4.0s	3.10	-	-	2.0	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	1.0	-
Signetics	PL22V10	PAL	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	1.0	3.6
Signetics	PL22V10UES	PAL	PLCC	28	P22V10C	4.0s	3.10	-	-	2.0	-	-	-	-	-	-	-	-	-	-
Signetics	PL22V10UES	PAL	PLCC	28	P22V10C	4.0s	3.10	-	-	2.0	-	-	-	-	-	-	-	-	-	-
Signetics	PLQ22V10	PLA	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	-	-	-	-	-	-	-	-	-	-
Cypress	22VP10C	PAL	DIP	24	P22VP10	4.0s	3.0s	3.2	1.0	2.0	3.2	-	1.0	48 DIP	1.3	48 DIP	-	-	1.0	3.2
Cypress	22VP10C	PAL	LCC	28	P22VP10	4.0s	3.0s	3.2	1.0	2.0	-	-	-	-	-	-	-	-	-	-
Cypress	22VP10C	PAL	PLCC	28	P22VP10	4.0s	3.0s	3.2	1.0	2.0	-	3.2	1.0	P/LCC	1.6	P/LCC	-	-	1.0	3.2
Intel	85C22V10	EPLD	DIP	24	P22V10	4.1s	4.1s	-	-	2.1	3.7	-	1.2	48 DIP	1.8	48 DIP	-	-	1.0	-
Intel	85C22V10	EPLD	PLCC	28	P22V10C	4.1s	4.1s	-	-	2.1	3.7	-	1.2	48 DIP	1.8	48 DIP	-	-	1.0	-
Intel	5C060	EPLD	DIP	24	E0600	4.0s	2.0s	-	-	2.0	2.7	-	1.0	48 DIP	1.0	48 DIP	-	-	1.0	2.7
Intel	5C060	EPLD	PLCC	28	E0600C	4.1s	4.1s	-	-	2.1	3.0	-	1.0	P/LCC	1.1	P/LCC	-	-	1.0	2.7
Altera	600	EPLD	DIP	24	E0600	4.0s	2.0s	-	-	2.0	2.7	-	1.0	48 DIP	1.0	48 DIP	-	-	1.0	2.7
Altera	600	EPLD	JLCC	28	E0600C	4.1s	4.1s	-	-	2.1	3.3	-	1.0	P/LCC	1.4	P/LCC	-	-	1.0	3.3
Altera	600	EPLD	PLCC	28	E0600C	4.1s	4.1s	-	-	2.1	3.0	-	1.0	P/LCC	1.1	P/LCC	-	-	1.0	2.7
TI	610	EPLD																		

# TTL PLDs

DATA SORTED BY:  
Density, Device File, Device, Package, Manufacturer



## PLDs from Philips-Signetics

### • High-Speed PAL® Devices

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Manufacturer	Device	Device Type	Package	Pins	Device File	ABEL-FPGA	ABEL	ABEL-PLD	PLDmix	PLDtest Plus	UniSite/PLD	UniSite/PLD	3900	3900 Base/Adapter	2900	2900 Base/Adapter	ProMaster	Handler/PLD
TI	529	FPGA	DIP	20	F529	4.0s	2.1s	3.2	1.0	-	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
Signetics	PLS162	FPGA	DIP	24	F162	4.0s	2.1s	3.2	1.0	-	1.5	-	1.0	48 DIP	1.0	48 DIP	1.0	1.5
AMD/MMI	6L16A	PAL	DIP	24	P6L16	4.0s	1.1s	-	1.0	1.0	-	-	1.1	48 DIP	1.0	48 DIP	1.0	3.6
AMD/MMI	6L16A-NL	PAL	PLCC	28	P6L16	4.0s	1.1s	-	1.0	1.0	-	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	8L14A	PAL	DIP	24	P8L14	4.0s	1.1s	-	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	8L14A	PAL	SO	24	P8L14	4.0s	1.1s	-	1.0	1.0	-	-	1.1	SOIC	-	SOIC	-	-
AMD/MMI	8L14A-FN	PAL	PLCC	28	P8L14	4.0s	1.1s	-	1.0	1.0	-	-	1.1	P/LCC	-	P/LCC	-	-
AMD/MMI	8L14A-NL	PAL	PLCC	28	P8L14	4.0s	1.1s	-	1.0	1.0	-	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
Signetics	PLS163	FPGA	DIP	24	F163	4.0s	2.0s	3.2	1.0	-	1.5	-	1.0	48 DIP	1.0	48 DIP	1.0	1.5
Signetics	PLS102	FPGA	DIP	28	F103	4.0s	1.0s	3.2	1.0	-	1.5	-	1.0	48 DIP	1.0	48 DIP	1.0	-
Signetics	PLS103	FPGA	DIP	28	F103	4.0s	1.0s	3.2	1.0	-	1.5	-	1.0	48 DIP	1.0	48 DIP	1.0	-
Signetics	PLS103	FPGA	PLCC	28	F103	4.0s	1.0s	3.2	1.0	-	3.0	-	1.0	P/LCC	1.1	P/LCC	1.0	2.6
TI	18N8	BPAD	DIP	20	P18N8	4.0s	3.0s	3.2	1.0	2.0	2.3	-	1.0	48 DIP	1.0	48 DIP	1.0	2.3
TI	18N8	BPAD	PLCC	20	P18N8	4.0s	3.0s	3.2	1.0	2.0	3.0	-	1.0	P/LCC	1.1	P/LCC	1.0	2.3
AMD/MMI	10H8-2	PAL	DIP	20	P10H8	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	10H8-2	PAL	PLCC	20	P10H8	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	10H8-2	PAL	SO	20	P10H8	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	SOIC	-	SOIC	-	-
National	10H8/A/2	PAL	DIP	20	P10H8	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	1.0	3.0
National	10H8/A2	PAL	PLCC	20	P10H8	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	P/LCC	1.1	P/LCC	1.0	3.0
AMD/MMI	10L8-2	PAL	DIP	20	P10L8	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	10L8-2	PAL	PLCC	20	P10L8	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	10L8-2	PAL	SO	20	P10L8	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	SOIC	-	SOIC	-	-
National	10L8/A/2	PAL	DIP	20	P10L8	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	1.0	3.0
National	10L8/A2	PAL	PLCC	20	P10L8	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	P/LCC	1.1	P/LCC	1.0	3.0
AMD/MMI	12H6-2	PAL	DIP	20	P12H6	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	12H6-2	PAL	PLCC	20	P12H6	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	12H6-2	PAL	SO	20	P12H6	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	SOIC	-	SOIC	-	-
National	12H6/A/2	PAL	DIP	20	P12H6	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	1.0	3.0
National	12H6/A2	PAL	PLCC	20	P12H6	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	P/LCC	1.1	P/LCC	1.0	3.0
AMD/MMI	12L6-2	PAL	DIP	20	P12L6	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	12L6-2	PAL	PLCC	20	P12L6	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	12L6-2	PAL	SO	20	P12L6	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	SOIC	-	SOIC	-	-
National	12L6/A/2	PAL	DIP	20	P12L6	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	1.0	3.0
National	12L6/A2	PAL	PLCC	20	P12L6	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	P/LCC	1.1	P/LCC	1.0	3.0
Cypress	7B336	PAL	DIP	28	P336	4.1s	4.1s	-	-	-	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	-
Cypress	7B336	PAL	LCC	28	P336	4.1s	4.1s	-	-	-	-	-	1.3	P/LCC	1.9	P/LCC	1.0	-
Cypress	7B336	PAL	PLCC	28	P336	4.1s	4.1s	-	-	-	3.8	-	1.3	P/LCC	1.9	P/LCC	1.0	-
Cypress	7B338	PAL	DIP	28	P338	4.1s	4.1s	-	-	-	3.5	-	1.0	48 DIP	1.6	48 DIP	1.0	-
Cypress	7B338	PAL	LCC	28	P338	4.1s	4.1s	-	-	-	-	-	1.0	P/LCC	1.6	P/LCC	1.0	-
Cypress	7B338	PAL	PLCC	28	P338	4.1s	4.1s	-	-	-	-	-	1.1	P/LCC	1.7	P/LCC	1.0	-
AMD/MMI	14H4-2	PAL	DIP	20	P14H4	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	14H4-2	PAL	PLCC	20	P14H4	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	14H4-2	PAL	SO	20	P14H4	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	SOIC	-	SOIC	-	-
National	14H4/A/2	PAL	DIP	20	P14H4	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	1.0	3.0
National	14H4/A2	PAL	PLCC	20	P14H4	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	P/LCC	1.1	P/LCC	1.0	3.0
AMD/MMI	14L4-2	PAL	DIP	20	P14L4	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	14L4-2	PAL	PLCC	20	P14L4	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	14L4-2	PAL	SO	20	P14L4	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	SOIC	-	SOIC	-	-
National	14L4/A/2	PAL	DIP	20	P14L4	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	1.0	3.0
National	14L4/A2	PAL	PLCC	20	P14L4	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	P/LCC	1.1	P/LCC	1.0	3.0
AMD/MMI	12L10	PAL	DIP	24	P12L10	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	12L10	PAL	PLCC	24	P12L10	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	12L10-FN	PAL	SO	24	P12L10	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	SOIC	-	SOIC	-	-
AMD/MMI	12L10-ML	PAL	LCC	28	P12L10	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	P/LCC	1.7	P/LCC	1.0	-
AMD/MMI	12L10-NL	PAL	PLCC	28	P12L10	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
National	12L10/A-V	PAL	PLCC	28	P12L10	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	1.0	3.0
National	12L10/A-XV	PAL	PLCC	28	P12L10	4.0s	1.0s	3.2	1.0	1.0	-	-	1.0	P/LCC	1.1	P/LCC	1.0	3.0
AMD/MMI	16C1-2	PAL	PLCC	20	P16C1	4.0s	1.1s	3.2	1.0	1.0	-	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	16C1-2	PAL	SO	20	P16C1	4.0s	1.1s	3.2	1.0	1.0	-	-	1.1	SOIC	-	SOIC	-	-
National	16C1/A/2	PAL	DIP	20	P16C1	4.0s	1.1s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	1.0	3.0
National	16C1/A2	PAL	PLCC	20	P16C1	4.0s	1.1s	3.2	1.0	1.0	3.0	-	1.0	P/LCC	1.1	P/LCC	1.0	3.0
AMD/MMI	16H2-2	PAL	DIP	20	P16H2	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	16H2-2	PAL	PLCC	20	P16H2	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	16H2-2	PAL	SO	20	P16H2	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	SOIC	-	SOIC	-	-
National	16H2/A/2	PAL	DIP	20	P16H2	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	1.0	3.0
National	16H2/A2	PAL	PLCC	20	P16H2	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	P/LCC	1.1	P/LCC	1.0	3.0
AMD/MMI	16L2-2	PAL	DIP	20	P16L2	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	16L2-2	PAL	PLCC	20	P16L2	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	16L2-2	PAL	SO	20	P16L2	4.0s	1.0s	3.2	1.0	1.0	-	-	1.1	SOIC	-	SOIC	-</	

# TTL PLDs

Continued

DATA SORTED BY:

Density, Device File, Device, Package, Manufacturer

```
File Edit View Compile Optimize Select/Hit M
state.abl
State_Diagram sreg
State Live: RAMDE = 1;
RAMWE = 1;
CutClr := 1;
GOTO Scan:
State Scan: RAMDE = 1;
RAMWE = !CikIn;
CutClr := AD != 0;
IF (Count == 127) THEN Record EL;
State Record: RAMDE = 1;
RAMWE = !CikIn;
CutClr := (Count == 119437);
IF (CutClr) THEN Play ELSE Record;
State Play: RAMDE = 0;
RAMWE = 1;
CutClr := (Count == 119437);
```

ABEL™ Design Software, the industry-standard design tool for PLDs and FPGAs, provides powerful features and support for hundreds of device architectures representing thousands of devices.

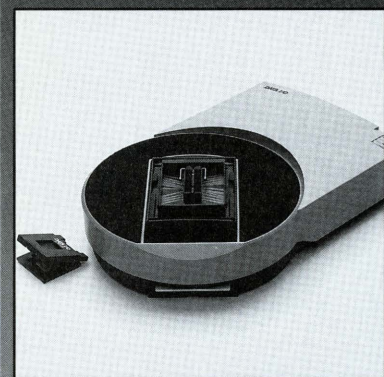
Manufacturer	Device	Device Type	Package	Pins	Device File	ABEL-FPGA	ABEL	ABEL-PLD	PLDmix	PLDtest Plus	UniSite/ProSite	3900	3900 Base/Adapter	2900	2900 Base/Adapter	ProMaster	Handler/Site	
AMD/MMI	20X8-ML	PAL	LCC	28	P20X8C	4.0s	3.1o	3.2	1.0	2.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	-
AMD/MMI	20X8-NL	PAL	PLCC	28	P20X8C	4.0s	3.1o	3.2	1.0	2.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6
National	20X8-XV	BPAL	PLCC	28	P20X8C	4.0s	3.1o	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	3.0
AMD/MMI	20X8A	PAL	DIP	24	P20X8	4.0s	1.1o	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
National	20X8A	PAL	SO	24	P20X8	4.0s	1.1o	3.2	1.0	1.0	-	3.6	-	SOIC	-	-	-	2.0
AMD/MMI	20X8A-FN	PAL	PLCC	28	P20X8	4.0s	1.1o	3.2	1.0	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	20X8A-NL	PAL	PLCC	28	P20X8C	4.0s	3.1o	3.2	1.0	2.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6
National	20X8A-V	PAL	PLCC	28	P20X8C	4.0s	3.1o	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	3.0
National	20X8A-XV	PAL	PLCC	28	P20X8C	4.0s	3.1o	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	3.0
Harris	77153/82S153	HPL	DIP	20	F153	4.0s	1.0o	3.2	1.0	-	-	-	-	-	-	-	-	-
Signetics	82S153	FPLA	DIP	20	F153	4.0s	1.0o	3.2	1.0	-	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
Signetics	82S153	FPLA	PLCC	20	F153	4.0s	1.0o	3.2	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6	
Signetics	PLHS153	FPLA	DIP	20	F153	4.0s	1.0o	3.2	1.0	-	2.1	-	1.0	48 DIP	1.7	48 DIP	1.0	2.1
Signetics	PLS152	FPLA	DIP	20	F153	4.0s	1.0o	3.2	1.0	-	2.8	-	1.0	48 DIP	1.0	48 DIP	1.0	2.8
Signetics	PLS152	FPLA	PLCC	20	F153	4.0s	1.0o	3.2	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.8	
Signetics	PLS153	FPLA	DIP	20	F153	4.0s	1.0o	3.2	1.0	-	2.8	-	1.0	48 DIP	1.0	48 DIP	1.0	2.8
Signetics	PLS153	FPLA	PLCC	20	F153	4.0s	1.0o	3.2	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.8	
Signetics	PLUS153	FPLA	DIP	20	F153	4.0s	1.0o	3.2	1.0	-	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
Signetics	PLUS153	FPLA	PLCC	20	F153	4.0s	1.0o	3.2	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6	
Signetics	PLUS153B	FPLA	DIP	20	F153	4.0s	1.0o	3.2	1.0	-	-	-	-	-	-	-	-	-
Signetics	PLUS153B	FPLA	PLCC	20	F153	4.0s	1.0o	3.2	1.0	-	-	-	-	-	-	-	-	-
Signetics	82S100	FPLA	DIP	28	F100	4.0s	1.0o	3.2	1.0	-	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	-
Signetics	82S100	FPLA	PLCC	28	F100	4.0s	1.0o	3.2	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6	
Signetics	82S101	FPLA	DIP	28	F100	4.0s	1.0o	3.2	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6	
Fairchild	93Z458	FPLA	DIP	28	F100	4.0s	1.0o	3.2	1.0	-	2.0	-	-	-	-	-	-	-
Fairchild	93Z459	FPLA	DIP	28	F100	4.0s	1.0o	3.2	1.0	-	2.0	-	-	-	-	-	-	-
Signetics	PLS100	FPLA	DIP	28	F100	4.0s	1.0o	3.2	1.0	-	2.5	-	1.0	48 DIP	1.0	48 DIP	1.0	-
Signetics	PLS100	FPLA	PLCC	28	F100	4.0s	1.0o	3.2	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.5	
Signetics	PLS101	FPLA	DIP	28	F100	4.0s	1.0o	3.2	1.0	-	2.5	-	1.0	48 DIP	1.0	48 DIP	1.0	-
Signetics	PLS101	FPLA	PLCC	28	F100	4.0s	1.0o	3.2	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.5	
TI	1602	BPAL	DIP	20	P16L8	4.0	1.0o	3.2	1.0	1.0	3.4	-	1.0	48 DIP	1.5	48 DIP	1.0	3.4
TI	1602	BPAL	PLCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.4	1.0	P/LCC	1.5	P/LCC	1.0	3.4
AMD/MMI	16A4	PAL	DIP	20	-	-	-	-	-	-	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	16A4	PAL	PLCC	20	-	-	-	-	-	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6	
AMD/MMI	16A4	PAL	SO	20	-	-	-	-	-	-	3.6	-	-	SOIC	-	-	-	-
AMD/MMI	16H8	AMPAL	DIP	20	P16H8	-	1.0o	3.2	1.0	1.0	2.1	-	1.0	48 DIP	1.1	48 DIP	1.0	2.1
AMD/MMI	16HD8	AMPAL	DIP	20	P16HD8	-	1.0o	3.2	1.0	1.0	2.1	-	1.0	48 DIP	1.1	48 DIP	1.0	2.1
AMD/MMI	16HD8	AMPAL	PLCC	20	P16HD8	-	1.0o	3.2	1.0	1.0	-	-	-	-	-	-	-	-
Fairchild	16L8	PAL	DIP	20	P16L8	4.0	1.0o	3.2	1.0	1.0	2.0	-	-	-	-	-	-	2.0
Fairchild	16L8-10	PAL	PLCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	-	-	-	-	-	-	-
TI	16L8-10	BPAL	DIP	20	P16L8	4.0	1.0o	3.2	1.0	1.0	2.3	-	1.0	48 DIP	1.0	48 DIP	1.0	2.3
TI	16L8-10	BPAL	PLCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.3
TI	16L8-12/15/25	BPAL	DIP	20	P16L8	4.0	1.0o	3.2	1.0	1.0	1.7	-	1.0	48 DIP	1.0	48 DIP	1.0	1.7
TI	16L8-12/15/25	BPAL	PLCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	16L8-12/15/25	BPAL	SO	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.0	-	SOIC	-	-	-	-
AMD/MMI	16L8-4	PAL	PLCC	28	P16L8C	4.1s	4.1o	-	2.1	-	3.7	1.2	P/LCC	1.8	P/LCC	1.0	-	
AMD/MMI	16L8-5	PAL	DIP	20	P16L8	4.0	1.0o	3.2	1.0	1.0	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-
TI	16L8-5	BPAL	DIP	20	P16L8	4.0	1.0o	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	-
AMD/MMI	16L8-5	PAL	LCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	-	-	-	-	-	-	-
TI	16L8-5	BPAL	LCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.8	1.3	P/LCC	1.9	P/LCC	1.0	-
TI	16L8-5	BPAL	PLCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.8	1.3	P/LCC	1.9	P/LCC	1.0	-
AMD/MMI	16L8-7	PAL	DIP	20	P16L8	4.0	1.0o	3.2	1.0	1.0	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-
National	16L8-7	PAL	DIP	20	P16L8	4.0	1.0o	3.2	1.0	1.0	3.4	-	1.0	48 DIP	1.5	48 DIP	1.0	3.4
TI	16L8-7	BPAL	DIP	20	P16L8	4.0	1.0o	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	2.3
AMD/MMI	16L8-7	PAL	PLCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.7	1.2	P/LCC	1.8	P/LCC	1.0	-
National	16L8-7	PAL	PLCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.1	1.3	P/LCC	1.9	P/LCC	1.0	-
TI	16L8-7	BPAL	PLCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.8	1.3	P/LCC	1.9	P/LCC	1.0	-
AMD/MMI	16L8-7	PAL	SO	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	-	-	-	-	-	-	-
AMD/MMI	16L8/A/A-2/A-4	PAL	DIP	20	P16L8	4.0	1.0o	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	16L8/A/A-2/A-4	PAL	PLCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	16L8/A/A-2/A-4	PAL	SO	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.6	-	SOIC	-	-	-	-
National	16L8/A/A2	PAL	DIP	20	P16L8	4.0	1.0o	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	1.0	3.0
National	16L8/A/A2	PAL	PLCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	3.0
AMD/MMI	16L8/A/B	AMPAL	DIP	20	P16L8	4.0	1.0o	3.2	1.0	1.0	2.1	-	1.0	48 DIP	1.0	48 DIP	1.0	2.1
AMD/MMI	16L8/A/B	AMPAL	LCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.2	P/LCC	1.0	-
AMD/MMI	16L8/A/B	AMPAL	PLCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.6
TI	16L8A/A-2	PAL	DIP	20	P16L8	4.0	1.0o	3.2	1.0	1.0	1.7	-	1.0	48 DIP	1.0	48 DIP	1.0	1.7
TI	16L8A/A-2	PAL	LCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	-
AMD/MMI	16L8B	PAL	DIP	20	P16L8	4.0	1.0o	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	16L8B	PAL	PLCC	20	P16L8	4.0	1.0o	3.2	1.0	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6
National																		

# TTL PLDs

Continued

DATA SORTED BY:

Density, Device File, Device, Package, Manufacturer

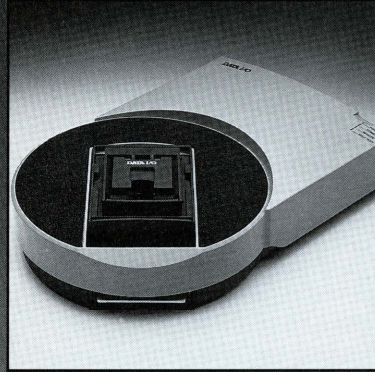


Supporting thousands of FPGAs, PLDs, and memory devices in DIP or surface-mount packages to 88 pins and beyond, the 3900 Programming System is the most affordable solution for your advanced programming needs.

Manufacturer	Device	Device Type	Package	Pins	Device File	ABEL-FPGA	ABEL	ABEL-PLD	PLDInx	PLDtest Plus	UniSite/She 48	UniSite/PinSite	3900	3900 Base/Adapter	2900	2900 Base/Adapter	ProMaster	Handler/She	
AMD/MMI	16R6B-2/B-4	PAL	SO	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	-	3.6	-	-	1.7	SOIC	-	3.0	
National	16R6B/B2	PAL	DIP	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.7	48 DIP	1.0	3.6	
AMD/MMI	16R6D	PAL	DIP	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	
National	16R6D	PAL	DIP	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	2.6	-	1.0	48 DIP	1.2	48 DIP	1.0	2.6	
AMD/MMI	16R6D	PAL	PLCC	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6	
National	16R6D	PAL	PLCC	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	-	3.2	1.0	P/LCC	1.2	P/LCC	1.0	3.2	
AMD/MMI	16R6D	PAL	SO	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	-	3.6	-	1.7	SOIC 30	-	-	-	
AMD/MMI	16R6H-10	PAL	DIP	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	3.7	
AMD/MMI	16R6H-10	PAL	PLCC	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	-	3.7	1.2	P/LCC	1.8	P/LCC	1.0	3.7	
AMD/MMI	16R6H-15	PAL	DIP	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	
AMD/MMI	16R6H-15	PAL	PLCC	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6	
Fairchild	16R8	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	2.0	-	-	-	-	-	-	2.0	
Fairchild	16R8	PAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	
TI	16R8-10	BPAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	2.3	-	1.0	48 DIP	1.0	48 DIP	1.0	2.3	
TI	16R8-10	BPAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.3	
TI	16R8-12/15/25	BPAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	1.7	-	1.0	48 DIP	1.0	48 DIP	1.0	1.7	
TI	16R8-12/15/25	BPAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7	
TI	16R8-12/15/25	BPAL	SO	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.0	-	1.7	SOIC	-	-	-	
AMD/MMI	16R8-4	PAL	PLCC	28	P16R8C	4.1s	4.1s	-	-	-	2.1	-	1.2	P/LCC	1.8	P/LCC	1.0	-	
AMD/MMI	16R8-5	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	
TI	16R8-5	BPAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	-	
TI	16R8-5	BPAL	LCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.8	1.3	P/LCC	1.9	P/LCC	1.0	-	
AMD/MMI	16R8-5	PAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.7	1.2	P/LCC	1.8	P/LCC	1.0	-	
TI	16R8-5	BPAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.8	1.3	P/LCC	1.9	P/LCC	1.0	-	
AMD/MMI	16R8-7	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	
National	16R8-7	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.4	-	1.0	48 DIP	1.5	48 DIP	1.0	3.4	
TI	16R8-7	BPAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	2.3	
AMD/MMI	16R8-7	PAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.7	1.2	P/LCC	1.8	P/LCC	1.0	-	
National	16R8-7	BPAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.4	1.0	P/LCC	1.5	P/LCC	1.0	3.4	
TI	16R8-7	BPAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.8	1.3	P/LCC	1.9	P/LCC	1.0	2.3	
AMD/MMI	16R8-7	PAL	SO	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	
AMD/MMI	16R8/A/A-2/A-4	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	
AMD/MMI	16R8/A/A-2/A-4	PAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6	
AMD/MMI	16R8/A/A-2/A-4	PAL	SO	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.6	-	1.7	SOIC	-	-	-	
National	16R8/A/A2	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	1.0	3.0	
National	16R8/A/A2	PAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	3.0	
National	16R8/A/B	AMPAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	2.1	-	1.0	48 DIP	1.0	48 DIP	1.0	2.1	
AMD/MMI	16R8/A/B	AMPAL	LCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.2	P/LCC	1.0	-	
AMD/MMI	16R8/A/B	AMPAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.1	
TI	16R8/A-2	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	1.7	-	1.0	48 DIP	1.0	48 DIP	1.0	1.7	
TI	16R8/A-2	PAL	LCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	-	
AMD/MMI	16R8B	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	
AMD/MMI	16R8B	PAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6	
National	16R8B	PAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	3.0	
AMD/MMI	16R8B	PAL	SO	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.6	-	1.7	SOIC 30	-	-	-	
AMD/MMI	16R8B-2/B-4	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	
AMD/MMI	16R8B-2/B-4	PAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6	
AMD/MMI	16R8B-2/B-4	PAL	SO	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.6	-	1.7	SOIC	-	-	-	
National	16R8B/B2	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.0	-	1.0	48 DIP	1.0	48 DIP	1.0	3.0	
AMD/MMI	16R8D	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	
National	16R8D	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	2.6	-	1.0	48 DIP	1.2	48 DIP	1.0	2.6	
AMD/MMI	16R8D	PAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6	
National	16R8D	PAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.2	1.0	P/LCC	1.2	P/LCC	1.0	3.2	
AMD/MMI	16R8D	PAL	SO	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.6	-	1.7	SOIC 30	-	-	-	
AMD/MMI	16R8H-10	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	3.7	
AMD/MMI	16R8H-10	PAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.7	1.2	P/LCC	1.8	P/LCC	1.0	3.7	
AMD/MMI	16R8H-15	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	-	
AMD/MMI	16R8H-15	PAL	PLCC	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6	
AMD/MMI	16R8PB	PAL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	
Harris	77209/16L8	HPL	DIP	20	P16L8	4.0	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	
Harris	77210/16R4	HPL	DIP	20	P16R4	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	
Harris	77211/16R6	HPL	DIP	20	P16R6	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	
Harris	77212/16R8	HPL	DIP	20	P16R8	4.0s	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	
Harris	77215/16H8	HPL	DIP	20	P16H8	-	1.0s	3.2	1.0	1.0	-	-	-	-	-	-	-	-	
Signetics	PLHS16L8	PAL	DIP	20	P16L8	4.0	1.0s	3.2	1.0	1.0	2.1	-	1.0	48 DIP	1.1	48 DIP	1.0	2.1	
Signetics	PLUS16L8	PAL	PLCC	20	P16L8	4.0	1.0s	3.2	1.0	1.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.5	
Signetics	PLUS16L8	PAL	DIP	20	P16L8	4.0	1.0s	3.2	1.0	1.0	-	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	3.8
Signetics	PLUS16R4	PAL	DIP	20	P16R4	4.0s	1.0s	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	3.8	
Signetics	PLUS16R4	PAL	PLCC	20	P16R4	4.0s	1.0s	3.2	1.0	1.0	-	3.8	1.3	P/LCC	1.9	P/LCC	1.0	3.8	
Signetics	PLUS16R																		

# TTL PLDs

Continued  
DATA SORTED BY:  
Density, Device File, Device, Package, Manufacturer

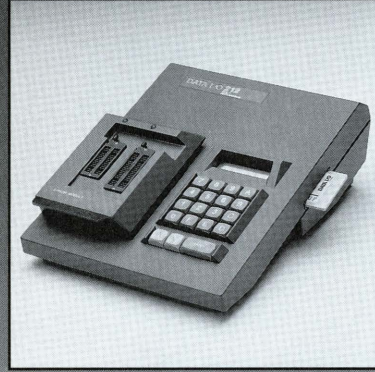


The 2900 Programming System sets the standard for affordable, high-performance device programming, providing universal support for devices in DIP or surface-mount packages to 44 pins and beyond.

Manufacturer	Device	Device Type	Package	Pins	Device File	ABEL-FPGA	ABEL	ABEL-PLD	PLDInx	PLDtest Plus	UniSite/PrinSite	UniSite/PrinSite	3900	3900 Base/Adapter	2900	2900 Base/Adapter	ProMaster	Handler/Site
AMD/MMI	20R4-10	PAL	DIP	24	P20R4	4.0s	1.0s	3.2	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
TI	20R4-10	BPAL	DIP	24	P20R4	4.0s	1.0s	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	3.1
AMD/MMI	20R4-10	PAL	PLCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6
TI	20R4-10	BPAL	PLCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.8	1.3	P/LCC	1.9	P/LCC	1.0	3.1
TI	20R4-15/25	BPAL	DIP	24	P20R4	4.0s	1.0s	3.2	1.0	1.0	<b>2.3</b>	-	<b>1.0</b>	48 DIP	1.0	48 DIP	1.0	2.3
TI	20R4-15/25-FN	BPAL	PLCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	<b>3.0</b>	<b>1.0</b>	P/LCC	1.1	P/LCC	1.0	2.3
AMD/MMI	20R4-15/25-NL	BPAL	PLCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	<b>3.0</b>	<b>1.0</b>	P/LCC	1.1	P/LCC	1.0	2.3
AMD/MMI	20R4-4	PAL	PLCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	-	-	-	-	-	-	-
AMD/MMI	20R4-5	PAL	DIP	24	P20R4	4.0s	1.0s	3.2	1.0	1.0	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-
National	20R4-5	PAL	DIP	24	P20R4	4.0s	1.0s	3.2	1.0	1.0	<b>3.6</b>	-	1.1	48 DIP	1.7	48 DIP	1.0	-
TI	20R4-5	BPAL	DIP	24	P20R4	4.0s	1.0s	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	-
TI	20R4-5	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.8	1.3	P/LCC	1.9	P/LCC	1.0	-
AMD/MMI	20R4-5	PAL	PLCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.7	1.2	P/LCC	1.8	P/LCC	1.0	-
National	20R4-5	PAL	PLCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	-
TI	20R4-5	BPAL	PLCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.8	1.3	P/LCC	1.9	P/LCC	1.0	-
AMD/MMI	20R4-7	PAL	DIP	24	P20R4	4.0s	1.0s	3.2	1.0	1.0	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-
National	20R4-7	PAL	DIP	24	P20R4	4.0s	1.0s	3.2	1.0	1.0	<b>3.4</b>	-	<b>1.0</b>	48 DIP	1.5	48 DIP	1.0	3.4
TI	20R4-7	BPAL	DIP	24	P20R4	4.0s	1.0s	3.2	1.0	1.0	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	2.6
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.2s	3.2	-	2.0	-	-	-	-	-	-	-	-
AMD/MMI	20R4-7	PAL	PLCC	28	P20R4C	4.0s	3.2s	3.2	-	2.0	-	3.7	1.2	P/LCC	1.8	P/LCC	1.0	-
National	20R4-7	PAL	PLCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.4	1.0	P/LCC	1.5	P/LCC	1.0	3.4
TI	20R4-7	BPAL	PLCC	28	P20R4C	4.0s	3.2s	3.2	-	2.0	-	3.8	1.3	P/LCC	1.9	P/LCC	1.0	2.6
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.2s	3.2	-	2.0	-	-	-	-	-	-	-	-
AMD/MMI	20R4-7	PAL	PLCC	28	P20R4C	4.0s	3.2s	3.2	-	2.0	-	3.7	1.2	P/LCC	1.8	P/LCC	1.0	-
National	20R4-7	PAL	PLCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.4	1.0	P/LCC	1.5	P/LCC	1.0	3.4
TI	20R4-7	BPAL	PLCC	28	P20R4C	4.0s	3.2s	3.2	-	2.0	-	3.8	1.3	P/LCC	1.9	P/LCC	1.0	2.8
National	20R4-7	BPAL	PLCC	28	P20R4C	4.0s	3.2s	3.2	-	2.0	-	3.0	1.0	P/LCC	1.9	P/LCC	1.0	2.8
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
TI	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.7
National	20R4-7	BPAL	LCC	28	P20R4C	4.0s	3.1s	3.2	1.0	2.0	-	3.0						

# TTL PLDs

Continued  
DATA SORTED BY:  
Density, Device File, Device, Package, Manufacturer



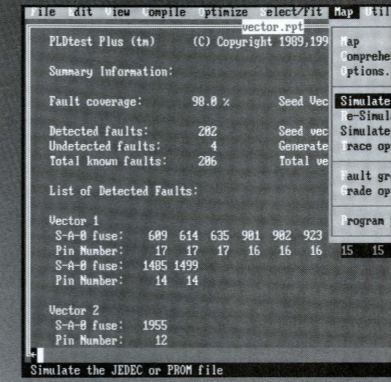
Offering expandable, flexible support for more than 500 CMOS PLDs and memory devices, the 212 Multi Programmer delivers Data I/O quality, performance, and reliability at an entry-level price.

Manufacturer	Device	Device Type	Package	Pins	Device File	ABEL-FPGA	ABEL	ABEL-PLD	PLDmix	PLDtest Plus	UniSite/48	UniSite/PinSite	3900	3900 Base/Adapter	2900	2900 Base/Adapter	ProMaster	HandlerSite
Signetics	82S105	FPLA	DIP	28	F105	4.0s	1.0s	3.2	1.0	-	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	-
Signetics	82S105	FPLA	PLCC	28	F105	4.0s	1.0s	3.2	1.0	-	3.6	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
TI	82S105	FPLS	PLCC	28	F105	4.0s	1.0s	3.2	1.0	-	-	-	-	-	-	-	-	-
TI	82S105A/B	FPLS	DIP	28	F105	4.0s	1.0s	3.2	1.0	-	2.6	-	1.0	48 DIP	1.0	48 DIP	1.0	-
TI	82S105A/B	FPLS	PLCC	28	F105	4.0s	1.0s	3.2	1.0	-	3.0	-	1.0	P/LCC	1.1	P/LCC	1.0	2.8
Signetics	PLS104	FPLS	DIP	28	F105	4.0s	1.0s	3.2	1.0	-	-	-	-	-	-	-	-	-
AMD/MMI	PLS105	PLS	DIP	28	F105	4.0s	1.0s	3.2	1.0	-	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	-
Signetics	PLS105	FPLS	DIP	28	F105	4.0s	1.0s	3.2	1.0	-	1.5	-	1.0	48 DIP	1.0	48 DIP	1.0	-
AMD/MMI	PLS105	PLS	PLCC	28	F105	4.0s	1.0s	3.2	1.0	-	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2
Signetics	PLS105	FPLS	PLCC	28	F105	4.0s	1.0s	3.2	1.0	-	3.0	-	1.0	P/LCC	1.1	P/LCC	1.0	1.5
AMD/MMI	PLS168	PLS	DIP	24	F168	4.0s	2.0s	3.2	1.0	-	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
Signetics	PLS168	FPLS	DIP	24	F168	4.0s	2.0s	3.2	1.0	-	1.5	-	1.0	48 DIP	1.0	48 DIP	1.0	1.5
Signetics	PLS168	FPLS	PLCC	28	F168C	4.2s	2.0s	-	-	-	3.0	-	1.0	P/LCC	1.1	P/LCC	1.0	1.5
Signetics	PLUS105	FPLS	DIP	28	F105	4.0s	1.0s	3.2	1.0	-	3.5	-	1.0	48 DIP	1.6	48 DIP	1.0	-
Signetics	PLUS105	FPLS	PLCC	28	F105	4.0s	1.0s	3.2	1.0	-	3.5	-	1.0	P/LCC	1.6	P/LCC	1.0	3.5
AMD/MMI	22RX8/A	PAL	DIP	24	P22RX8A	4.0s	2.1s	-	1.0	1.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	22RX8/A	PAL	SO	24	P22RX8A	4.0s	2.1s	-	1.0	1.0	-	3.6	-	1.7	SOIC	-	-	-
AMD/MMI	22RX8/A-FN	PAL	PLCC	28	P22RX8A	4.0s	2.1s	-	1.0	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	22RX8/A-NL	PAL	PLCC	28	P22RX8A	4.0s	2.1s	-	1.0	1.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	22P10	AMPAL	DIP	24	P22AP10	4.0s	2.1s	3.2	1.0	1.0	2.0	-	1.0	48 DIP	1.1	48 DIP	1.0	2.0
AMD/MMI	22P10	AMPAL	PLCC	28	P22AP10	4.0s	2.1s	3.2	1.0	1.0	2.0	-	1.0	P/LCC	1.1	P/LCC	1.0	2.5
Gazelle	405	PAL	DIP	28	F405	4.0s	3.0s	-	1.0	-	-	-	-	-	-	-	-	-
Signetics	PLUS405	FPLS	DIP	28	F405	4.0s	3.0s	-	1.0	-	3.5	-	1.0	48 DIP	1.6	48 DIP	1.0	-
Signetics	PLUS405	FPLS	PLCC	28	F405	4.0s	3.0s	-	1.0	-	3.5	-	1.0	P/LCC	1.6	P/LCC	1.0	3.5
Gazelle	22V10	PAL	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	-	-	-	-	-	-	-	-
AMD/MMI	22V10-10/-15	PAL	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	3.1	-	1.0	48 DIP	1.2	48 DIP	1.0	3.1
AMD/MMI	22V10-10/-15	PAL	PLCC	28	P22V10C	4.0s	3.1s	-	1.0	2.0	-	3.1	1.0	P/LCC	1.2	P/LCC	1.0	3.1
TI	22V10-7	BPAL	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	3.7	-	1.0	48 DIP	1.8	48 DIP	1.0	-
TI	22V10-7	BPAL	PLCC	28	P22V10C	4.0s	3.1s	-	1.0	2.0	-	3.7	1.2	P/LCC	1.8	P/LCC	1.0	-
AMD/MMI	22V10/A/B	AMPAL	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	2.0	-	1.0	48 DIP	1.0	48 DIP	1.0	2.0
AMD/MMI	22V10/A/B	AMPAL	LCC	28	P22V10C	4.0s	3.1s	-	1.0	2.0	-	3.0	1.0	P/LCC	1.2	P/LCC	1.0	-
AMD/MMI	22V10/A/B	AMPAL	PLCC	28	P22V10C	4.0s	3.1s	-	1.0	2.0	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.0
TI	22V10/A/B-15	BPAL	DIP	24	P22V10	4.0s	1.0s	3.2	1.0	1.2	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
TI	22V10/A/B-15-FN	BPAL	PLCC	28	P22V10C	4.0s	3.1s	-	1.0	2.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6
Gazelle	22VP10	PAL	DIP	24	P22VP10	4.0s	3.0s	3.2	1.0	2.0	-	-	-	-	-	-	-	-
TI	22VP10	BPAL	DIP	24	P22VP10	4.0s	3.0s	3.2	1.0	2.0	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
TI	22VP10-FN	BPAL	PLCC	28	P22VP10C	4.0s	3.1s	-	1.0	2.0	-	3.6	1.1	P/LCC	1.7	P/LCC	1.0	3.6
TI	22VP10-NL	BPAL	PLCC	28	P22VP10C	4.0s	3.1s	-	1.0	2.0	-	-	-	-	-	-	-	-
AMD/MMI	23S8	AMPAL	DIP	20	P23S8	4.0s	3.0s	-	1.0	-	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
Gazelle	23S8	PAL	DIP	20	P23S8	4.0s	3.2s	-	-	-	-	-	-	-	-	-	-	-
Gazelle	23S8	PAL	JLCC	28	P23S8	4.0s	3.2s	-	-	-	-	-	-	-	-	-	-	-
Gazelle	23S8	PAL	DIP	20	P23S8	4.0s	3.2s	-	-	-	-	-	-	-	-	-	-	-
Gazelle	23S8	PAL	JLCC	28	P23S8	4.0s	3.2s	-	-	-	-	-	-	-	-	-	-	-
AMD/MMI	30S16	PLC	DIP	28	F30S16	4.0	4.0	-	-	-	2.6	-	1.0	48 DIP	1.3	48 DIP	1.0	-
AMD/MMI	30S16	PLC	PLCC	28	F30S16	4.0	4.0	-	-	-	3.2	-	1.0	P/LCC	1.3	P/LCC	1.0	3.2
TI	507/A	PSG	DIP	24	F507	4.0	3.0	-	-	-	3.6	-	1.0	48 DIP	1.0	48 DIP	1.0	3.6
TI	507/A	PSG	PLCC	28	F507	4.0	3.0	-	-	-	3.0	-	1.0	P/LCC	1.1	P/LCC	1.0	2.7
AMD/MMI	30K12	PLS	DIP	28	F30K12	4.0	3.2	-	-	-	2.6	-	1.0	48 DIP	1.0	48 DIP	1.0	-
AMD/MMI	32VX10/A	PAL	DIP	24	P32VX10A	4.0s	3.0s	-	-	-	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	32VX10/A	PAL	PLCC	28	P32VX10C	4.1s	4.1s	-	-	-	-	-	-	-	-	-	-	-
AMD/MMI	32VX10/A	PAL	SO	24	P32VX10A	4.0s	3.0s	-	-	-	3.6	-	1.1	SOIC	1.7	SOIC	1.0	-
TI	506/A	FPLS	DIP	24	F506	4.0s	3.0s	-	1.0	-	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
TI	506/A	FPLS	PLCC	28	F506	4.0s	3.0s	-	1.0	-	3.0	-	1.0	P/LCC	1.7	P/LCC	1.0	2.7
AMD/MMI	16X4	PAL	DIP	20	-	-	-	-	-	-	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
AMD/MMI	16X4	PAL	PLCC	20	-	-	-	-	-	-	3.6	-	1.1	P/LCC	1.7	P/LCC	1.0	3.6
AMD/MMI	16X4	PAL	SO	20	-	-	-	-	-	-	3.6	-	1.7	SOIC	-	SOIC	-	-
AMD/MMI	20XRP10	AMPAL	DIP	24	-	-	-	-	-	-	2.0	-	1.0	48 DIP	1.1	48 DIP	1.0	2.0
AMD/MMI	20XRP4	AMPAL	DIP	24	-	-	-	-	-	-	2.0	-	1.0	48 DIP	1.1	48 DIP	1.0	2.0
AMD/MMI	20XRP6	AMPAL	DIP	24	-	-	-	-	-	-	2.0	-	1.0	48 DIP	1.1	48 DIP	1.0	2.0
AMD/MMI	20XRP8	AMPAL	DIP	24	-	-	-	-	-	-	2.0	-	1.0	48 DIP	1.1	48 DIP	1.0	2.0
AMD/MMI	22XP10	AMPAL	DIP	24	-	-	-	-	-	-	2.0	-	1.0	48 DIP	1.1	48 DIP	1.0	2.0
AMD/MMI	2971	PEG	DIP	24	-	-	-	-	-	-	1.5	-	1.0	48 DIP	1.0	48 DIP	1.0	1.5
AMD/MMI	29PL141	FPC	DIP	28	-	-	-	-	-	-	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	-
AMD/MMI	29PL141	FPC	DIP	28	-	-	-	-	-	-	1.5	-	1.0	48 DIP	1.0	48 DIP	1.0	-
AMD/MMI	29PL142	FPC	DIP	28	-	-	-	-	-	-	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	-
AMD/MMI	32R16	PAL	DIP	40	-	-	-	-	-	-	3.6	-	-	-	-	-	-	-
AMD/MMI	32R16	PAL	PLCC	44	-	-	-	-	-	-	3.6	-	-	-	-	-	-	3.6

**BOLD TYPE** in these columns denotes changed algorithms  
**B** **BOLD TYPE** in these columns denotes special certification by Data I/O and the device manufacturer  
s=fitter included with product o=optional fitter available r=required fitter available v=vendor software required

# ECL PLDs

DATA SORTED BY:  
Density, Device File, Device, Package, Manufacturer



PLDtest Plus™ Design Analysis and Automatic Test Vector Generation Software provides a fast, thorough, and easy solution to PLD testing—for both design and production.

Manufacturer	Device	Device Type	Package	Pins	Device File	ABEL-FPGA	ABEL	ABEL-PLD	PLDmix	PLDtest Plus	UniSite/48	UniSite/PinSite
AMD/MMI	10H20G8	PAL	DIP	24	EC20G8M	4.0	3.0	3.2	1.0	-	3.6	-
AMD/MMI	10H20G8	PAL	PLCC	28	EC20G8M	4.0	3.0	3.2	1.0	-	-	-
AMD/MMI	10H20P8	PAL	DIP	24	EC20P8M	4.0	2.1	3.2	1.0	-	3.6	-
AMD/MMI	10H20P8	PAL	PLCC	28	EC20P8M	4.0	2.1	3.2	1.0	-	-	-
TI	10H16TE6	EPAL	DIP	24	EC16TE6							



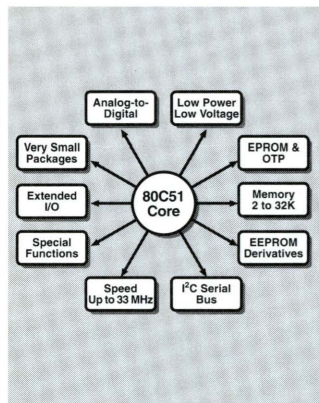


# MICRO CONTROLLERS

Continued

DATA SORTED BY:  
Processor Bits, Array, Part, Package, Manufacturer

## The Most 80C51 Derivatives in the World



## OTP Microcontrollers from Philips-Signetics

For more information complete and mail the Philips-Signetics postcard located in the back of this wall chart.

Manufacturer	Device	Array	Processor Bits	Package	Pins	UniSite/Std 48	UniSite/PinSite	3900	3900 Base/Adapter	2900	2900 Base/Adapter	212	212 MOD.	Series 1000	Series 1000 SR.	288A	288A MOD.	ProMaster	HandlerSite	BoardSite
NEC	78CP14	131072	8	QFP	64	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	-	-	-	-	-	-	-
NEC	78CP14	131072	8	SDIP	64	3.2	-	1.0	48 DIP	1.2	48 DIP	-	-	-	-	-	-	-	-	-
NEC	78P214	131072	8	PLCC	68	3.6	3.6	1.1	PLCC	1.8	48 DIP	-	-	-	-	-	-	1.0	-	-
NEC	78P214	131072	8	QFP	64	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	-	-	-	-	-	-	-
NEC	78P214	131072	8	SDIP	64	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	-	-	-	-	-	-	-
NEC	78P224	131072	8	PLCC	84	-	3.4	1.0	PLCC	-	-	-	-	-	-	-	-	1.0	-	-
Intel	8797JF	131072	8	PLCC	68	-	3.2	1.1	PLCC	-	-	-	-	-	-	-	-	1.0	3.2	-
Intel	87C51FB	131072	8	DIP	40	2.6	-	1.0	48 DIP	1.0	48 DIP	3.0	MICRO	14	40	-	-	1.0	-	1.3
Signetics	87C51FB	131072	8	DIP	40	<b>3.8</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intel	87C51FB	131072	8	PLCC	44	-	3.0	1.0	PLCC	1.1	PLCC	-	-	17 44P(40D)	-	-	-	1.0	2.8	1.3
Intel	87C51FB(FX)	131072	8	DIP	40	3.5	-	1.0	48 DIP	1.6	48 DIP	-	-	23 40	-	-	-	1.0	-	5.0
Intel	87C51FB(FX)	131072	8	PLCC	44	-	3.5	1.0	PLCC	1.6	PLCC	-	-	24 44P(40D)	-	-	-	1.0	3.5	5.0
Intel	87C54	131072	8	DIP	40	3.5	-	1.0	48 DIP	1.6	48 DIP	-	-	18 40	-	-	-	1.0	-	-
Intel	87C54	131072	8	PLCC	44	-	3.5	1.0	PLCC	1.6	PLCC	-	-	18 44P(40D)	-	-	-	1.0	-	-
AMD/MMI	87C541	131072	8	DIP	40	3.0	-	1.0	48 DIP	1.1	48 DIP	3.0	MICRO	18	40	-	-	1.0	-	4.1
AMD/MMI	87C541	131072	8	LCC	44	-	3.0	1.0	PLCC	1.5	PLCC	-	-	-	-	-	-	1.0	-	4.1
AMD/MMI	87C541	131072	8	PLCC	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1
Signetics	87C592	131072	8	JLCC	68	-	3.8	1.3	PLCC	-	-	-	-	-	-	-	-	-	-	-
Signetics	87C592	131072	8	LCC	68	-	3.8	1.3	PLCC	-	-	-	-	-	-	-	-	-	-	-
Signetics	87C592	131072	8	PLCC	68	-	3.8	1.3	PLCC	-	-	-	-	-	-	-	-	-	-	-
Signetics	87C654	131072	8	DIP	40	<b>3.7</b>	-	1.2	48 DIP	1.8	48 DIP	-	-	-	-	-	-	1.0	-	-
Signetics	87C654	131072	8	PLCC	44	-	<b>3.7</b>	1.2	PLCC	1.8	PLCC	-	-	-	-	-	-	1.0	-	-
NEC	77P56	262144	8	DIP	20	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intel	87C51FC	262144	8	DIP	40	3.0	-	1.0	48 DIP	1.1	48 DIP	-	-	18 40	-	-	-	1.0	-	4.1
Intel	87C51FC	262144	8	PLCC	44	-	3.2	1.0	PLCC	1.5	PLCC	-	-	18 44P(40D)	-	-	-	1.0	-	4.1
Signetics	87C528	262144	8	DIP	40	<b>3.7</b>	-	1.2	48 DIP	1.8	48 DIP	-	-	-	-	-	-	1.0	-	-
Signetics	87C528	262144	8	LCC	44	-	<b>3.7</b>	1.2	PLCC	1.8	PLCC	-	-	-	-	-	-	1.0	-	-
Intel	87C75PF	262144	8	DIP	40	2.4	-	1.0	48 DIP	1.1	48 DIP	-	-	-	-	-	-	1.0	-	-
Intel	87C75PF	262144	8	PLCC	44	-	3.0	1.0	PLCC	1.1	PLCC	-	-	-	-	-	-	1.0	2.6	-
National	COP8742C	262144	8	DIP	20	3.8	-	1.3	48 DIP	-	-	-	-	-	-	-	-	1.0	-	-
National	COP8780C	262144	8	DIP	40	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	-	-	-	-	1.0	-	-
National	COP8780C	262144	8	JLCC	44	-	3.8	1.3	PLCC	-	-	-	-	-	-	-	-	-	-	-
National	COP8780C	262144	8	PLCC	44	-	3.8	1.3	PLCC	-	-	-	-	-	-	-	-	-	-	-
National	COP8781C	262144	8	DIP	28	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	-	-	-	-	1.0	-	-
Motorola	68HC811E2	524288	8	DIP	48	3.6	-	1.1	48 DIP	-	-	-	-	-	-	-	-	-	-	-
NEC	77P20	6630	16	DIP	28	<b>2.3</b>	-	1.0	48 DIP	1.1	48 DIP	-	-	-	-	-	-	1.0	-	-
NEC	77P25	16384	16	DIP	28	<b>2.4</b>	-	1.0	48 DIP	1.1	48 DIP	-	-	-	-	-	-	1.0	-	-
NEC	77P25	16384	16	PLCC	44	-	3.3	1.0	PLCC	1.4	PLCC	-	-	-	-	-	-	1.0	-	-
Intel	87C196MC	16384	16	PLCC	68	-	3.5	1.0	PLCC	-	-	-	-	-	-	-	-	1.0	-	-
TI	320E15	65536	16	DIP	40	2.7	-	1.0	48 DIP	1.1	48 DIP	-	-	-	-	-	-	1.0	-	-
TI	320E15	65536	16	JLCC	44	-	3.0	1.0	PLCC	1.1	PLCC	-	-	-	-	-	-	1.0	2.8	-
TI	320E17	65536	16	DIP	40	2.7	-	1.0	48 DIP	1.1	48 DIP	-	-	-	-	-	-	1.0	-	-
NEC	78P312A	65536	16	PLCC	68	-	<b>3.3</b>	1.0	PLCC	-	-	-	-	-	-	-	-	1.0	-	-
Intel	8795BH	65536	16	LCC	68	-	3.4	-	-	-	-	-	-	-	-	-	-	1.0	-	-
Intel	8797BH	65536	16	PLCC	68	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	1.4
Intel	87C196KB	65536	16	LCC	68	-	3.7	1.2	PLCC	1.8	PPI_0206	-	-	-	-	-	-	1.0	-	-
Intel	87C196KB	65536	16	PLCC	68	-	3.7	1.2	PLCC	1.8	PPI_0206	-	-	-	-	-	-	1.0	3.7	-
Intel	87C196KB16	65536	16	PLCC	68	-	3.6	1.1	PLCC	-	-	-	-	-	-	-	-	1.0	-	-
Intel	87C198	65536	16	PLCC	52	-	3.7	1.2	PLCC	1.8	PPI_0215	-	-	-	-	-	-	1.0	3.7	-
National	HPC46083	65536	16	JLCC	68	-	<b>3.0</b>	<b>1.0</b>	<b>PLCC</b>	-	-	-	-	-	-	-	-	1.0	-	-
Waferscale	PAC1000	65536	16	PGA	88	-	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Hitachi	817820	90112	16	DIP	40	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	-	-	-	-	1.0	-	-
Intel	87C196JQ	98304	16	JLCC	52	-	3.4	1.1	PLCC	1.8	PPI_0207	-	-	-	-	-	-	1.0	-	-
Intel	87C196JQ	98304	16	PLCC	52	-	3.4	1.1	PLCC	1.8	PPI_0207	-	-	-	-	-	-	1.0	-	-
Intel	87C196KQ	98304	16	JLCC	68	-	3.4	1.1	PLCC	1.8	PPI_0205	-	-	-	-	-	-	1.0	-	-
Intel	87C196KQ	98304	16	PLCC	68	-	3.4	1.1	PLCC	1.8	PPI_0205	-	-	-	-	-	-	1.0	-	-
Mitsubishi Elec.	37701E2	131072	16	SDIP	64	3.4	-	1.0	48 DIP	1.5	48 DIP	-	-	-	-	-	-	-	-	-
Hitachi	647180X	131072	16	LCC	84	-	3.3	1.0	48 DIP	1.2	48 DIP	-	-	-	-	-	-	-	-	-
Hitachi	647180X	131072	16	QFP	80	3.2	-	1.0	48 DIP	1.2	48 DIP	-	-	-	-	-	-	-	-	-
Hitachi	6473308	131072	16	LCC	84	-	3.4	1.0	48 DIP	1.2	48 DIP	-	-	-	-	-	-	-	-	-
Hitachi	6473308	131072	16	QFP	80	3.2	-	1.0	48 DIP	1.2	48 DIP	-	-	-	-	-	-	-	-	-
Hitachi	6475208	131072	16	SDIP	64	3.3	-	1.0	48 DIP	1.4	48 DIP	-	-	-	-	-	-	-	-	-
Intel	87C196JR	131072	16	JLCC	52	-	3.4	1.1	PLCC	1.8	PPI_0207	-	-	-	-	-	-	1.0	-	-
Intel	87C196JR	131072	16	PLCC	52	-	3.4	1.1	PLCC	1.8	PPI_0207	-	-	-	-	-	-	1.0	-	-
Intel	87C196KC	131072	16	JLCC	68	-	3.4	1.1	PLCC	1.8	PPI_0206	-	-	-	-	-	-	1.0	3.4	4.3
Intel	87C196KC	131072	16	PGA	68	-	3.4	-	-	-	-	-	-	-	-	-	-	-	-	4.3
Intel	87C196KC	131072	16	QFP	80	-	3.8	-	-	-	-	-	-	-	-	-	-	-	-	4.3
Intel	87C196KR	131072	16	JLCC	68	-	3.4	1.1	PLCC	1.8	PPI_0205	-	-	-	-	-	-	1.0	-	-
Intel	87C196KR	131072	16	PLCC	68	-	3.4	1.1	PLCC	1.8	PPI_0205	-	-	-	-	-	-	1.0	-	-
National	HPC467064	131072	16	JLCC	68	-	3.8	1.3	PLCC	-	-	-	-	-	-	-	-	-	-	-
Waferscale	MAP168	131072	16	LCC	44	-	3.0	1.0	PLCC	1.6	PLCC	-	-	-	-	-	-	1.0	-	-
Waferscale	MAP168	131072	16	PGA	44	-	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Waferscale	PSD301	131072	16	JLCC	44	-	3.8	1.3	PLCC	1.9	PLCC	-	-	-	-	-	-	-	3.6	-
Mitsubishi Elec.	37700E2	262144	16	LCC	80	3.2	-	1.0	48 DIP	1.2	48 DIP	-	-	-	-	-	-	-	-	-
Mitsubishi Elec.	37700E4	262144	16	LCC	80	3.2	-	1.0	48 DIP	1.2	48 DIP	-	-	-	-	-	-	-	-	-
Mitsubishi Elec.	37701E4	262144	16	SDIP	64	3.4	-	1.0	48 DIP	1.5	48 DIP	-	-	-	-	-	-	-	-	-
Mitsubishi Elec.	37796E4	262144	16	PLCC	84	3.2	-	1.0	48 DIP	1.2	48 DIP	-	-	-	-	-	-	-	-	-
Hitachi	6473258	262144	16	SDIP	64	3.3	-	1.0	48 DIP	1.4	48 DIP	-	-	-	-	-	-	-	-	-
Hitachi	6475328	262144	16	LCC	84	-	3.4	1.1	48 DIP	1.7	48 DIP	-	-	-	-	-	-	-	-	-
Hitachi	6475328	262144	16	QFP	84	3.2	-	1.0	48 DIP	1.2	48 DIP	-	-	-	-	-	-	-	-	-
Hitachi	8178232	262144	16	PLCC	68	3.6	-	1.1	48 DIP	1.7	48 DIP	-								

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Manufacturer	Device	Array	Package	Pins	UniSite/Std 48	UniSite/PinSite	3900	3900 Base/Adapter	2900	2900 Base/Adapter	212	212 MOD	Series 1000	Series 1000 SR	288A	288A MOD	ProMaster	Handler/Std	Board/Std
Intel	27F64	65536	DIP	28	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intel	27F256	262144	DIP	28	2.2	-	-	-	-	-	2.0	EPROM	15	28	4.1	32	-	-	-
AMD/MMI	28F256	262144	DIP	32	-	-	-	-	-	-	-	-	24	40	-	-	-	-	-
SGS-Thomson	28F256	262144	DIP	32	3.4	-	1.0	48 DIP	1.5	48 DIP	-	-	24	40	-	-	1.0	-	-
AMD/MMI	28F256	262144	PLCC	32	-	-	-	-	-	-	-	-	24	32P(32D)	-	-	-	-	-
SGS-Thomson	28F256	262144	PLCC	32	-	-	-	-	-	-	-	-	24	32P(32D)	-	-	-	-	-
Intel	28F256-P1	262144	DIP	32	2.2	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	24	40	4.1	32	1.0	-	5.0
Intel	28F256-P1	262144	PLCC	32	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	24	32P(32D)	-	-	1.0	2.6	5.0
Intel	28F256-P2	262144	DIP	32	2.2	-	-	-	-	-	2.0	EPROM	24	40	4.1	32	-	-	5.0
Intel	28F256-P2	262144	PLCC	32	-	3.0	-	-	-	-	-	-	24	32P(32D)	-	-	-	2.4	5.0
Intel	28F256A	262144	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	4.0	EPROM	24	40	-	-	1.0	-	5.0
Intel	28F256A	262144	PLCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	24	32P(32D)	-	-	1.0	3.2	5.0
Atmel	29C256	262144	DIP	28	3.0	-	1.0	48 DIP	1.0	48 DIP	-	-	15	28	-	-	1.0	-	4.2
Atmel	29C256	262144	PLCC	32	-	3.6	1.1	P/LCC	1.7	P/LCC	-	-	22	32P(28D)	-	-	1.0	-	-
TI	29F256	262144	DIP	28	2.7	-	1.0	48 DIP	1.1	48 DIP	-	-	14	28	-	-	1.0	-	-
TI	29F256	262144	PLCC	32	-	3.4	1.0	P/LCC	1.5	P/LCC	-	-	20	32P(28D)	-	-	1.0	3.4	-
TI	29F259	262144	DIP	32	3.4	-	1.0	48 DIP	1.5	48 DIP	-	-	-	-	-	-	1.0	-	-
Toshiba	58257A	262144	DIP	28	2.3	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	14	28	5.0	32	1.0	-	-
Toshiba	97208	262144	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	19	40	-	-	1.0	-	-
Toshiba	97208A	262144	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	-	-	-	-	1.0	-	-
Toshiba	97218	262144	DIP	32	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	19	40	-	-	1.0	-	-
Toshiba	97218A	262144	DIP	32	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	-	-	-	-	1.0	-	-
AMD/MMI	28F512	524288	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	24	40	-	-	1.0	-	5.0
Intel	28F512	524288	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	24	40	6.0	32	1.0	-	5.0
AMD/MMI	28F512	524288	PLCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	24	32P(32D)	-	-	1.0	3.1	5.0
Intel	28F512	524288	PLCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	24	32P(32D)	-	-	1.0	3.2	5.0
AMD/MMI	28F512-P1	524288	LCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	-	-	-	-	1.0	-	-
SEEQ	47F512	524288	DIP	32	2.8	-	1.0	48 DIP	1.1	48 DIP	-	-	15	40	-	-	1.0	-	5.0
National	48F512	524288	DIP	32	2.8	-	1.0	48 DIP	1.1	48 DIP	-	-	15	40	-	-	1.0	-	-
SEEQ	48F512	524288	DIP	32	3.4	-	1.0	48 DIP	1.5	48 DIP	2.0	EPROM	20	40	4.1	32	1.0	-	5.0
SEEQ	48F512	524288	PLCC	32	-	3.4	1.0	P/LCC	1.5	P/LCC	-	-	20	32P(32D)	-	-	1.0	3.4	5.0
Toshiba	97209	524288	DIP	32	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	-	-	-	-	1.0	-	-
Intel	28F001BX-B	1048576	DIP	32	3.4	-	1.0	48 DIP	1.5	48 DIP	5.0	EPROM	24	40	-	-	1.0	-	-
Intel	28F001BX-B	1048576	PLCC	32	-	3.5	1.1	P/LCC	1.7	P/LCC	-	-	24	32P(32D)	-	-	1.0	3.5	-
Intel	28F001BX-T	1048576	DIP	32	3.4	-	1.0	48 DIP	1.5	48 DIP	5.0	EPROM	24	40	-	-	1.0	-	-
Intel	28F001BX-T	1048576	PLCC	32	-	3.5	1.1	P/LCC	1.7	P/LCC	-	-	24	32P(32D)	-	-	1.0	3.5	-
AMD/MMI	28F010	1048576	DIP	32	3.0	-	1.0	48 DIP	1.1	48 DIP	-	-	24	40	-	-	1.0	-	5.0
Catalyst	28F010	1048576	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	-	-	-	-	1.0	-	-
Intel	28F010	1048576	DIP	32	3.2	-	1.0	48 DIP	1.1	48 DIP	2.0	EPROM	24	40	6.0	32	1.0	-	5.0
Intel	28F010	1048576	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	-	-	-	-	1.0	-	-
AMD/MMI	28F010	1048576	LCC	32	-	3.1	1.0	P/LCC	1.2	P/LCC	-	-	-	-	-	-	1.0	-	-
AMD/MMI	28F010	1048576	PLCC	32	-	3.1	1.0	P/LCC	1.1	P/LCC	-	-	24	32P(32D)	-	-	1.0	3.1	5.0
Catalyst	28F010	1048576	PLCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	-	-	-	-	1.0	-	-
Intel	28F010	1048576	PLCC	32	-	3.2	1.0	P/LCC	1.1	P/LCC	-	-	24	32P(32D)	-	-	1.0	3.2	5.0
Intel	28F010	1048576	TSOP	32	-	3.8	1.3	PPI_0702	1.9	PPI_0702	-	-	-	-	-	-	1.0	-	-
Intel	28F010-P1	1048576	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	-	-	-	-	1.0	-	5.0
Intel	28F010-P1	1048576	PLCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	-	-	-	-	1.0	3.6	5.0
Intel	28F010-P1	1048576	TSOP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	-	-	-	-	1.0	-	-
Intel	28F010-R	1048576	TSOP	32	3.8	-	1.3	PPI_0702	1.9	PPI_0702	-	-	-	-	-	-	1.0	-	-
Mitsubishi Elec.	28F101	1048576	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	24	40	-	-	1.0	-	-
Mitsubishi Elec.	28F102	1048576	DIP	40	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	-	-	-	-	1.0	-	-
Atmel	29C010	1048576	DIP	32	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	-	-	-	-	1.0	-	5.0
Hitachi	29C101	1048576	DIP	32	3.4	-	1.0	48 DIP	1.5	48 DIP	-	-	-	-	-	-	1.0	-	-
SEEQ	47F010	1048576	DIP	32	3.0	-	1.0	48 DIP	1.1	48 DIP	-	-	15	40	-	-	1.0	-	5.0
National	48F010	1048576	DIP	32	-	-	-	-	-	-	-	-	15	40	-	-	1.0	-	-
SEEQ	48F010	1048576	DIP	32	3.4	-	1.0	48 DIP	1.5	48 DIP	2.0	EPROM	20	40	4.1	32	1.0	-	5.0
SEEQ	48F010	1048576	PLCC	32	-	3.4	1.0	P/LCC	1.5	P/LCC	-	-	20	32P(32D)	-	-	1.0	3.4	5.0
Toshiba	58F1001	1048576	DIP	32	3.4	-	1.0	48 DIP	1.5	48 DIP	-	-	-	-	-	-	1.0	-	-
AMD/MMI	28F020	2097152	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	5.0	EPROM	24	40	-	-	1.0	-	-
Intel	28F020	2097152	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	5.0	EPROM	24	40	-	-	1.0	-	-
AMD/MMI	28F020	2097152	PLCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	24	32P(32D)	-	-	1.0	3.6	-
Intel	28F020	2097152	PLCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	24	32P(32D)	-	-	1.0	3.2	5.0
Intel	28F020	2097152	TSOP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	-	-	-	-	1.0	-	-

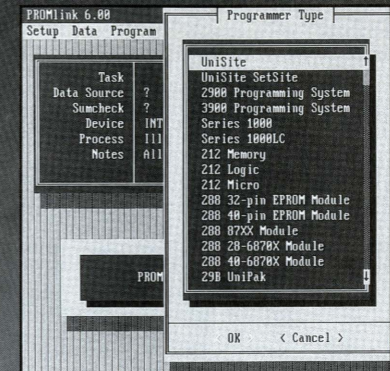
**BOLD TYPE** in these columns denotes changed algorithms

**A**

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# ECL PROMs

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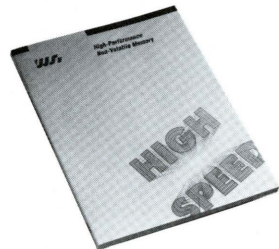
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Manufacturer	Device	Array	Package	Pins	UniSite/Std 48
Signetics	100149	1024	DIP	16	3.1
Signetics	100149A	1024	DIP	16	3.6
Signetics	100149B	1024	DIP	16	3.6
Signetics	10149	1024	DIP	16	3.1
Signetics	10149A	1024	DIP	16	3.1
Motorola	10149AL10	1024	DIP	16	2.7
Motorola	10149L10	1024	DIP	16	2.7
Motorola	10149L25	1024	DIP	16	3.2
National	10E149	1024	DIP	16	2.6

# EPROMs

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Manufacturer	Device	Array	Package	Pins	UniSite/48	UniSite/PinSite	3900	3900Base/Adapter	2900	2900Base/Adapter	212	212MOD-	Series 1000	Series 1000 SR-	UniSite/SetSite	288A	288A MOD-	ProMaster	Handler/Site	Board/Site	
AMD/MMI	2708	8192	DIP	24	2.0	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	2.0	
Fairchild	2708	8192	DIP	24	2.0	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	2.0	
Mitsubishi Elec.	2708	8192	DIP	24	2.0	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	2.0	
Motorola	2708	8192	DIP	24	2.0	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	2.0	
National	2708	8192	DIP	24	2.0	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	2.0	
TI	2708	8192	DIP	24	2.0	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	2.0	
TI	2758	8192	DIP	24	2.0	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	2.0	
National	2758A	8192	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	2.0
National	2758B	8192	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	2.0
TI	27L08	8192	DIP	24	2.0	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	2.0	
Motorola	68708	8192	DIP	24	2.0	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	2.0	
AMD/MMI	9708	8192	DIP	24	2.1	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-	2.1	
TI	2516	16384	DIP	24	2.0	-	1.0	48 DIP	1.1	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
Intel	2716	16384	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
Mikroelektronik	2716	16384	DIP	24	3.4	-	1.0	48 DIP	1.5	48 DIP	-	-	17	-	-	-	-	-	-	3.4	
Mitsubishi Elec.	2716	16384	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.2	4.1	32	1.0	2.2	1	
National	2716	16384	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
NEC	2716	16384	DIP	24	3.2	-	1.0	48 DIP	1.5	48 DIP	1.1	EPROM	1	28	3.2	4.1	32	1.0	3.2	1	
Oki	2716	16384	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
SGS-Thomson	2716	16384	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
AMD/MMI	2716B	16384	DIP	24	2.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	7	28	2.5	4.1	32	1.0	2.5	3	
National	27C16	16384	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
SGS-Thomson	27C16	16384	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
National	27C16B	16384	DIP	24	2.7	-	1.0	48 DIP	1.0	48 DIP	4.0	EPROM	11	28	2.7	6.0	32	1.0	2.7	11	
National	27C16H	16384	DIP	24	2.0	-	1.0	48 DIP	1.1	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
Seiko Instruments	2840A(R)	16384	DIP	24	3.7	-	1.2	48 DIP	1.8	48 DIP	-	-	-	-	-	-	-	-	-	3.7	
Hitachi	462716	16384	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
Fujitsu Micro	8516	16384	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	9	28	2.8	4.1	32	1.0	2.0	1	
Motorola	TMS2716	16384	DIP	24	2.5	-	-	-	-	-	-	-	-	-	2.5	-	-	-	-	2.5	
National	2532	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
SGS-Thomson	2532	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
TI	2532	32768	DIP	24	1.1	-	1.0	48 DIP	1.1	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	1.1	1	
TI	2532A	32768	DIP	24	1.5	-	1.0	48 DIP	1.1	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	1.5	1	
AMD/MMI	2732	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
Fujitsu Micro	2732	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
Intel	2732	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
Mikroelektronik	2732	32768	DIP	24	3.4	-	1.0	48 DIP	1.5	48 DIP	-	-	17	-	-	-	-	-	-	3.4	
Mitsubishi Elec.	2732	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	3.8	4.1	32	1.0	3.8	1	
National	2732	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
NEC	2732	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
SGS-Thomson	2732	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
TI	2732	32768	DIP	24	1.2	-	1.0	48 DIP	1.1	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	1.2	1	
Toshiba	2732	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
Fujitsu Micro	2732A	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
Intel	2732A	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
NEC	2732A	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
SGS-Thomson	2732A	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
TI	2732A	32768	DIP	24	1.6	-	1.0	48 DIP	1.1	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	1.6	1	
AMD/MMI	2732B	32768	DIP	24	2.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	7	28	2.5	4.1	32	1.0	2.5	3	
National	27C32	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
Ricoh	27C32	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
SGS-Thomson	27C32	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	9	28	2.8	4.1	32	1.0	2.0	1	
TI	27C32	32768	DIP	24	2.3	-	1.0	48 DIP	2.0	48 DIP	2.0	EPROM	14	28	2.3	4.1	32	1.0	2.3	14	
Fujitsu Micro	27C32A	32768	DIP	24	2.3	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.3	4.1	32	1.0	2.3	1	
National	27C32A	32768	DIP	24	2.7	-	1.0	48 DIP	1.0	48 DIP	4.0	EPROM	11	28	2.7	6.0	32	1.0	2.7	11	
National	27C32B	32768	DIP	24	2.7	-	1.0	48 DIP	1.0	48 DIP	4.0	EPROM	11	28	2.7	6.0	32	1.0	2.7	11	
National	27C32H	32768	PLCC	32	-	-	-	-	-	-	-	20	32P(28D)	-	-	-	-	-	-	-	
TI	27P32A	32768	DIP	24	1.3	-	1.0	48 DIP	1.1	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	1.3	1	
TI	27PC32	32768	DIP	24	1.5	-	1.0	48 DIP	1.1	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	1.5	1	
Hitachi	462532	32768	DIP	24	2.3	-	1.0	48 DIP	2.0	48 DIP	2.0	EPROM	-	-	2.3	-	-	-	1.0	2.3	
Hitachi	462532	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
Hitachi	462732	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
Hitachi	482732A	32768	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
Waferscale	57C43C	32768	DIP	24	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	20	28	-	-	-	-	1.0	2.5	
Waferscale	57C43C	32768	PLCC	28	-	-	3.8</														

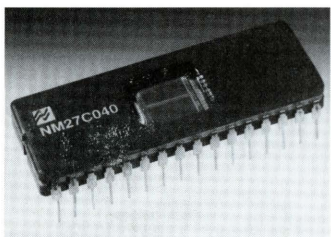
# EPROMs

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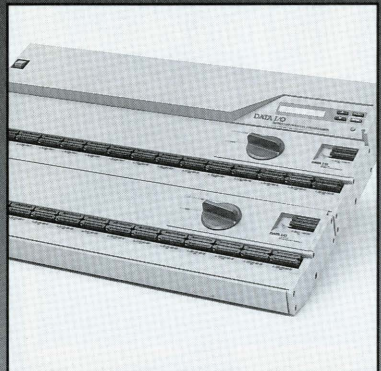
For more information,  
return the response card (back  
of chart) or contact your local  
sales office.

Manufacturer	Device	Array	Package	Pins	UniSite/Std 48	UniSite/Std 28	3900	3900Base/Adapter	2900	2900Base/Adapter	212	212MOD-	Series 1000	Series 1000 SR-	UniSite/Std 48	288A	288A MOD-	ProMaster	Handler/Std	Board/Std	
Sharp	57126	131072	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	4.0	EPROM	8	28	2.1	-	-	1.0	-	1	
Sharp	57127	131072	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	8	28	2.1	4.1	32	1.0	-	1	
Sharp	57128	131072	DIP	28	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	8	28	2.8	4.1	32	1.0	-	1	
Waferscale	57C128F	131072	DIP	28	2.5	-	1.0	48 DIP	1.3	48 DIP	1.1	EPROM	1	28	2.8	4.1	32	1.0	-	2	
Waferscale	57C128F	131072	JLCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	-	-	-	-	-	1.0	-	2	
Waferscale	57C128F	131072	LCC	32	-	3.0	1.0	P/LCC	1.5	P/LCC	-	-	-	-	-	-	-	1.0	-	2	
Waferscale	57C128FB	131072	DIP	28	-	-	-	-	-	-	-	-	24	28	-	-	-	-	-	-	
Waferscale	57C128FB	131072	PLCC	32	-	-	-	-	-	-	-	-	24	32P(28D)	-	-	-	-	-	-	
Waferscale	57C51C	131072	JLCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	-	-	-	-	-	-	-	-	
Intel	P27128A	131072	DIP	28	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	-	1	
Toshiba	24256	262144	DIP	28	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	-	1.4	
Toshiba	24256A	262144	DIP	28	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	-	1	
Toshiba	24256B	262144	DIP	28	-	-	-	-	-	-	2.0	EPROM	12	28	-	-	-	-	-	4.1	
AMD/MMI	27256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	12	28	2.1	4.1	32	1.0	-	1	
Atmel	27256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.1	5.0	32	1.0	-	1	
Catalyst	27256	262144	DIP	28	2.2	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	12	28	2.2	-	-	-	-	1.1	
Fujitsu Micro	27256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.1	4.1	32	1.0	-	1	
Hitachi	27256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.1	4.1	32	1.0	-	1	
Intel	27256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.1	4.1	32	1.0	-	1	
Microchip	27256	262144	DIP	28	2.2	-	1.0	48 DIP	1.0	48 DIP	4.0	EPROM	9	28	2.2	5.0	32	1.0	-	1	
Mitsubishi Elec.	27256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	12	28	2.1	4.1	32	1.0	-	1	
NEC	27256	262144	DIP	28	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	-	1.4	
Okai	27256	262144	DIP	28	3.0	-	1.0	48 DIP	1.1	48 DIP	4.0	EPROM	11	28	3.0	6.0	32	1.0	-	1	
SEEQ	27256	262144	DIP	28	-	-	-	-	-	-	1.1	EPROM	-	-	-	-	-	-	-	1.1	
SGS-Thomson	27256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	7	28	2.1	4.1	32	1.0	-	1	
TI	27256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.1	4.1	32	1.0	-	1	
Toshiba	27256	262144	DIP	28	2.0	-	1.0	48 DIP	1.0	48 DIP	3.0	EPROM	1	28	2.0	4.1	32	1.0	-	1.4	
Intel	27256-M+	262144	DIP	28	-	-	-	-	-	-	1.1	EPROM	14	28	-	-	-	-	-	1	
NEC	27256A	262144	DIP	28	2.4	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	7	28	2.4	4.1	32	1.0	-	1	
Toshiba	27256A	262144	DIP	28	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	-	1	
Toshiba	27256B	262144	DIP	28	2.2	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	11	28	2.2	4.1	32	1.0	-	1	
AMD/MMI	27256P	262144	DIP	28	-	-	-	-	-	-	2.0	EPROM	11	28	-	-	-	-	-	1	
Intel	27C202	262144	DIP	40	2.4	-	1.0	48 DIP	1.3	48 DIP	2.0	EPROM	14	40	-	-	-	-	-	1	
Mitsubishi Elec.	27C202	262144	DIP	40	2.8	-	1.0	48 DIP	1.1	48 DIP	3.0	EPROM	14	40	2.8	5.0	40	1.0	-	3	
Intel	27C202	262144	JLCC	44	-	3.2	1.0	P/LCC	1.3	P/LCC	-	-	-	-	-	-	-	-	3.2		
Mitsubishi Elec.	27C202	262144	JLCC	44	-	3.6	1.0	P/LCC	1.3	P/LCC	-	-	17	44P(40D)	-	-	-	-	-	3.6	
Intel	27C202	262144	PLCC	44	-	3.0	1.0	P/LCC	1.3	P/LCC	-	-	-	-	-	-	-	-	1.0	2.8	
Intel	27C203	262144	DIP	40	2.5	-	1.0	48 DIP	1.3	48 DIP	1.1	EPROM	1	28	2.5	4.1	32	1.0	-	1	
Intel	27C203	262144	JLCC	44	-	3.0	1.0	P/LCC	1.3	P/LCC	-	-	-	-	-	-	-	-	1.0	3.0	
Intel	27C203	262144	PLCC	44	-	3.0	1.0	P/LCC	1.3	P/LCC	-	-	-	-	-	-	-	-	1.0	2.6	
AMD/MMI	27C256	262144	DIP	28	3.8	-	1.3	48 DIP	1.9	48 DIP	4.0	EPROM	18	28	3.8	6.0	32	1.0	-	4.3	
Atmel	27C256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.1	4.1	32	1.0	-	1	
Fujitsu Micro	27C256	262144	DIP	28	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	-	1.4	
Hitachi	27C256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.1	4.1	32	1.0	-	1	
Intel	27C256	262144	DIP	28	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	-	1	
Microchip	27C256	262144	DIP	28	3.0	-	1.0	48 DIP	1.0	48 DIP	4.0	EPROM	17	28	3.0	4.1	32	1.0	-	5.0	
Macronix	27C256	262144	DIP	28	3.8	-	1.3	48 DIP	1.9	48 DIP	4.0	EPROM	18	28	3.8	-	-	-	-	-	
Mitsubishi Elec.	27C256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	7.3	28	2.1	4.1	32	1.0	-	4.1	
National	27C256	262144	DIP	28	1.7	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	5	28	2.0	4.1	32	1.0	-	1.2	
NEC	27C256	262144	DIP	28	2.0	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	1	28	2.0	4.1	32	1.0	-	1.4	
Omni-Wave	27C256	262144	DIP	28	3.5	-	1.0	48 DIP	1.6	48 DIP	-	-	-	-	-	-	-	-	-	-	
Panasonic	27C256	262144	DIP	28	3.0	-	1.0	48 DIP	1.1	48 DIP	4.0	EPROM	22	28	3.0	-	-	-	-	-	4.1
Ricoh	27C256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.1	4.1	32	1.0	-	1	
SGS-Thomson	27C256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	7	28	2.1	4.1	32	1.0	-	1.1	
SGS-Thomson	27C256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	11	28	2.1	4.1	32	1.0	-	1	
Signetics	27C256	262144	DIP	28	2.2	-	1.0	48 DIP	1.0	48 DIP	4.0	EPROM	18	28	2.2	5.0	32	1.0	-	1	
Sony	27C256	262144	DIP	28	3.0	-	1.0	48 DIP	1.1	48 DIP	4.0	EPROM	22	28	3.0	-	-	-	-	-	4.1
TI	27C256	262144	DIP	28	2.2	-	1.0	48 DIP	1.0	48 DIP	4.0	EPROM	14	28	2.2	4.1	32	1.0	-	1.2	
VLSI	27C256	262144	DIP	28	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	6	28	2.1	4.1	32	1.0	-	1.2	
AMD/MMI	27C256	262144	LCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	-	-	-	-	-	-	-	4.3	
Atmel	27C256	262144	LCC	32	-	3.0	1.0	P/LCC	1.2	P/LCC	-	-	-	-	-	-	-	-	-	1.0	
Microchip	27C256	262144	LCC	32	-	3.1	1.0	P/LCC	1.2	P/LCC	-	-	-	-	-	-	-	-	-	1.0	
AMD/MMI	27C256	262144	PLCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	20	32P(28D)	-	-	-	-	-	1.0	3.3
Atmel	27C256	262144	PLCC	32	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	17	32P(28D)	-	-	-	-	-	1.0	2.1
Intel	27C256	262144	PLCC	32	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	18	32P(28D)	-	-	-	-	-	1.0	2.0
Microchip	27C256</																				

# EPROMs

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DATA SORTED BY:  
Array, Part, Package, Manufacturer



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Manufacturer	Device	Array	Package	Pins	UniSite/Std 48	UniSite/StdSite	3900	3900Base/Adapter	2900	2900Base/Adapter	212	212MOD-	Series 1000	Series 1000 SR-	UniSite/StdSite	288A	288A MOD-	ProMaster	Handler/Std	Board/Std
Intel	27011	1048576	DIP	28	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	12	28	2.0	5.0	32	1.0	-	-
Intel	271000	1048576	DIP	32	2.8	-	1.0	48 DIP	1.0	48 DIP	3.0	EPROM	15	40	3.0	5.0	32	1.0	-	3
Intel	27210	1048576	DIP	40	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	5	40	2.0	4.1	40	1.0	-	1
Intel	27210	1048576	JLCC	44	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	17	44P(40D)	-	-	-	1.0	2.6	1
Intel	27960	1048576	JLCC	44	-	3.0	1.0	P/LCC	1.6	P/LCC	-	-	17	44P(40D)	-	-	-	1.0	-	-
AMD/MMI	27C010	1048576	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	4.0	EPROM	15	40	3.8	5.0	32	1.0	-	4.3
Atmel	27C010	1048576	DIP	32	2.7	-	1.0	48 DIP	1.0	48 DIP	3.0	EPROM	14	40	2.8	5.0	32	1.0	-	3
Intel	27C010	1048576	DIP	32	2.4	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	16	40	2.8	4.1	32	1.0	-	1
National	27C010	1048576	DIP	32	2.2	-	1.0	48 DIP	1.0	48 DIP	3.0	EPROM	24	40	2.2	5.0	32	1.0	-	1.1
Signetics	27C010	1048576	DIP	32	3.4	-	1.0	48 DIP	1.5	48 DIP	-	-	19	40	-	-	-	1.0	-	5.0
TI	27C010	1048576	DIP	32	2.5	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	12	40	2.5	4.1	32	1.0	-	1.2
AMD/MMI	27C010	1048576	JLCC	32	-	3.2	1.0	P/LCC	1.3	P/LCC	-	-	-	-	-	-	-	1.0	3.2	3
AMD/MMI	27C010	1048576	LCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	-	-	-	-	-	1.0	-	4.3
Atmel	27C010	1048576	LCC	32	-	3.0	1.0	P/LCC	1.2	P/LCC	-	-	-	-	-	-	-	1.0	-	3
AMD/MMI	27C010	1048576	PLCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	20	32P(32D)	-	-	-	1.0	3.1	4.3
Intel	27C010	1048576	PLCC	32	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	18	32P(32D)	-	-	-	1.0	2.8	3
Intel	27C010	1048576	PLCC	32	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	18	32P(32D)	-	-	-	1.0	2.4	1
National	27C010	1048576	PLCC	32	-	3.1	1.0	P/LCC	1.2	P/LCC	-	-	24	32P(32D)	-	-	-	1.0	3.1	1.1
Signetics	27C010	1048576	PLCC	32	-	-	-	-	-	-	-	-	24	32P(32D)	-	-	-	-	-	5.0
Intel	27C010A	1048576	DIP	32	3.1	-	1.0	48 DIP	1.3	48 DIP	-	-	17	40	3.1	5.0	32	1.0	-	4.2
TI	27C010A	1048576	DIP	32	3.3	-	1.0	48 DIP	1.4	48 DIP	-	-	18	40	3.3	-	-	1.0	-	5.0
TI	27C010A	1048576	PLCC	32	-	3.6	1.1	P/LCC	1.7	P/LCC	-	-	20	32P(32D)	-	-	-	1.0	3.6	5.0
Waferscale	27C010L	1048576	DIP	32	3.0	-	1.0	48 DIP	1.1	48 DIP	3.0	EPROM	15	40	3.0	5.0	32	1.0	-	4.1
Waferscale	27C010L	1048576	LCC	32	-	3.0	1.0	P/LCC	1.2	P/LCC	-	-	-	-	-	-	-	1.0	-	4.1
Waferscale	27C010L	1048576	PLCC	32	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	23	32P(32D)	-	-	-	1.0	3.0	4.1
Waferscale	27C010R	1048576	DIP	32	3.0	-	1.0	48 DIP	1.0	48 DIP	4.0	EPROM	14	40	3.0	-	-	1.0	-	4.1
Intel	27C011	1048576	DIP	28	3.0	-	1.0	48 DIP	1.2	48 DIP	1.1	EPROM	16	28	3.1	4.1	32	1.0	-	-
AMD/MMI	27C100	1048576	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	3.0	EPROM	14	40	3.8	5.0	32	1.0	-	3
Intel	27C100	1048576	DIP	32	3.0	-	1.0	48 DIP	1.1	48 DIP	3.0	EPROM	16	40	3.0	5.0	32	1.0	-	4.2
Mitsubishi Elec.	27C100	1048576	DIP	32	2.8	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	9	40	2.8	4.1	32	1.0	-	1.3
Mitsubishi Elec.	27C100	1048576	JLCC	32	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	-	-	-	-	-	1.0	2.8	1.3
Mitsubishi Elec.	27C100	1048576	PLCC	32	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	18	32P(32D)	-	-	-	1.0	2.8	1.3
Mitsubishi Elec.	27C100-PG	1048576	DIP	32	-	-	-	-	-	-	-	-	9	40	-	-	-	-	-	-
Mitsubishi Elec.	27C100-PG	1048576	PLCC	32	-	-	-	-	-	-	-	-	18	32P(32D)	-	-	-	-	-	-
Fujitsu Micro	27C1000	1048576	DIP	32	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	7	40	2.0	4.1	32	1.0	-	1
NEC	27C1000	1048576	DIP	32	2.3	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	7	40	2.3	4.1	32	1.0	-	1.1
SGS-Thomson	27C1000	1048576	DIP	32	2.7	-	1.0	48 DIP	1.0	48 DIP	3.0	EPROM	15	40	3.2	5.0	32	1.0	-	3
Sony	27C1000	1048576	DIP	32	3.0	-	1.0	48 DIP	1.1	48 DIP	4.0	EPROM	22	40	3.0	6.0	32	1.0	-	4.1
Fujitsu Micro	27C1000	1048576	JLCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	-	-	-	-	-	1.0	-	-
Fujitsu Micro	27C1000	1048576	PLCC	32	-	-	-	-	-	-	-	-	23	32P(32D)	-	-	-	-	-	-
Fujitsu Micro	27C1000-PG	1048576	DIP	32	-	-	-	-	-	-	-	-	8	40	-	-	-	-	-	-
Fujitsu Micro	27C1000-PG	1048576	PLCC	32	-	-	-	-	-	-	-	-	23	32P(32D)	-	-	-	-	-	-
Fujitsu Micro	27C1000A	1048576	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	-	-	-	-	-	1.0	-	-
NEC	27C1000A	1048576	DIP	32	2.6	-	1.0	48 DIP	1.0	48 DIP	4.0	EPROM	12	40	2.6	6.0	32	1.0	-	1.3
Fujitsu Micro	27C1001	1048576	DIP	32	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	7	40	2.0	4.1	32	1.0	-	1
NEC	27C1001	1048576	DIP	32	2.2	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	7	40	2.2	4.1	32	1.0	-	1.1
SGS-Thomson	27C1001	1048576	DIP	32	2.7	-	1.0	48 DIP	1.0	48 DIP	3.0	EPROM	14	40	2.7	5.0	32	1.0	-	3
Sony	27C1001	1048576	DIP	32	3.0	-	1.0	48 DIP	1.1	48 DIP	4.0	EPROM	22	40	3.0	6.0	32	1.0	-	4.1
Fujitsu Micro	27C1001	1048576	JLCC	32	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	-	-	-	-	-	1.0	3.0	1
Fujitsu Micro	27C1001	1048576	PLCC	32	-	-	-	-	-	-	-	-	23	32P(32D)	-	-	-	-	-	-
SGS-Thomson	27C1001	1048576	PLCC	32	-	3.4	1.0	P/LCC	1.5	P/LCC	-	-	-	-	-	-	-	1.0	3.4	-
Fujitsu Micro	27C1001-PG	1048576	DIP	32	-	-	-	-	-	-	-	-	8	40	-	-	-	-	-	-
Fujitsu Micro	27C1001-PG	1048576	PLCC	32	-	-	-	-	-	-	-	-	23	32P(32D)	-	-	-	-	-	-
Fujitsu Micro	27C1001A	1048576	DIP	32	3.8	-	1.3	48 DIP	1.9	48 DIP	-	-	-	-	-	-	-	1.0	-	-
Fujitsu Micro	27C1001A	1048576	PLCC	32	-	3.8	1.3	P/LCC	1.9	P/LCC	-	-	-	-	-	-	-	1.0	-	-
NEC	27C1001A	1048576	DIP	32	2.6	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	12	40	2.6	4.1	32	1.0	-	1.3
NEC	27C1001A-PG	1048576	DIP	32	-	-	-	-	-	-	-	-	12	40	-	-	-	-	-	-
Hitachi	27C101	1048576	DIP	32	2.8	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	5	40	2.8	4.1	32	1.0	-	1.1
Mitsubishi Elec.	27C101	1048576	DIP	32	2.8	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	9	40	2.8	4.1	32	1.0	-	1.3
Omni-Wave	27C101	1048576	DIP	32	3.5	-	1.0	48 DIP	1.6	48 DIP	-	-	22	40	-	-	-	1.0	-	-
Mitsubishi Elec.	27C101	1048576	PLCC	32	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	18	32P(32D)	-	-	-	1.0	2.8	1.3
Hitachi	27C101-PG	1048576	DIP	32	-	-	-	-	-	-	-	-	8	40	-	-	-	-	-	-
Mitsubishi Elec.	27C101-PG	1048576	DIP	32	-	-	-	-	-	-	-	-	9	40	-	-	-	-	-	-
Mitsubishi Elec.	27C101-PG	1048576	PLCC	32	-	-	-	-	-	-	-	-	18	32P(32D)	-	-	-	-	-	-
Hitachi	27C101A	1048576	DIP	32	3.1	-	1.0	48 DIP	1.2	48 DIP	-	-	-	-	-	-	-	6.0	32	1.0
Mitsubishi Elec.	27C102	1048576	DIP	40	2.8	-	1.0	48 DIP	1.1	48 DIP	1.1	EPROM	9	40	2.8	4.1	40	1.0	-	1.3
Mitsubishi Elec.	27C102	1048576	JLCC	44	-	3.3	1.0	P/LCC	1.4	P/LCC	-									

# EEPROMs

DATA SORTED BY:  
Array, Part, Package, Manufacturer

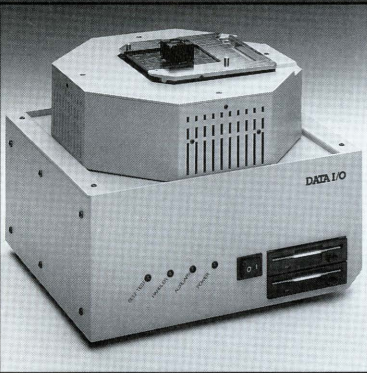


The 288A Multi Programmer provides flexible, reliable, and affordable 8-socket gang support for MOS/CMOS memory devices, making it a smart choice for low- to medium-volume production environments.

Manufacturer	Device	Array	Package	Pins	UniSite/8	UniSite/PinSite	3900	3900Base/Adapter	2900	2900Base/Adapter	212	212MOD-	Series 1000	Series 1000 SR-	UniSite/SetSite	288A	288A MOD-	ProMaster	HandlerSite	BoardSite
Xicor	2210	256	DIP	18	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catalyst	22C10	256	DIP	18	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xicor	2001	1024	DIP	24	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xicor	2201A	1024	DIP	18	3.3	-	1.0	48 DIP	1.3	48 DIP	-	-	-	-	-	-	1.0	3.2	-	-
Xicor	2212	1024	DIP	18	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catalyst	22C12	1024	DIP	18	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xicor	2004	4096	DIP	28	3.2	-	1.0	48 DIP	1.3	48 DIP	-	-	-	-	-	-	-	1.0	-	-
Xicor	2004	4096	LCC	32	-	3.2	1.0	P/LCC	1.3	P/LCC	-	-	-	-	-	-	-	1.0	-	-
Xicor	2004	4096	PLCC	32	-	3.2	1.0	P/LCC	1.3	P/LCC	-	-	-	-	-	-	-	1.0	3.2	-
EXEL	2804	4096	DIP	24	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	9	28	2.8	4.1	32	1.0	2.1	1.1
SEEQ	2804A	4096	DIP	24	-	-	-	-	-	-	1.1	EPROM	24	28	-	-	-	-	-	4.2
EXEL	2804A	4096	DIP	24	3.2	-	1.0	48 DIP	1.3	48 DIP	-	-	-	-	3.2	-	-	1.0	3.2	-
SEEQ	2804A	4096	DIP	24	-	-	-	-	-	-	1.1	EPROM	24	28	-	-	-	-	-	4.2
Xicor	2804A	4096	DIP	24	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.1	4.1	32	1.0	2.1	1.4
Atmel	28C04	4096	DIP	24	2.5	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	9	28	-	4.1	32	1.0	2.5	1.4
Microchip	28C04/A	4096	DIP	24	2.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	9	28	-	4.1	32	1.0	2.5	1.4
Microchip	28C04/A	4096	PLCC	32	-	3.2	1.0	P/LCC	1.5	P/LCC	-	-	19	32P(28D)	-	-	-	1.0	3.2	-
Intel	2815	16384	DIP	24	2.0	-	1.0	48 DIP	1.6	48 DIP	1.1	EPROM	-	-	2.0	4.1	32	1.0	2.0	-
Intel	2816	16384	DIP	24	2.0	-	1.0	48 DIP	1.6	48 DIP	1.1	EPROM	-	-	2.0	4.1	32	1.0	2.0	-
Motorola	2816	16384	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	-	-	-	-	2.0	-	-	1.0	2.0	-
National	2816	16384	DIP	24	2.0	-	1.0	48 DIP	1.5	48 DIP	1.1	EPROM	-	-	2.0	4.1	32	1.0	2.0	-
EXEL	2816A	16384	DIP	24	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	7.1	28	2.1	4.1	32	1.0	2.1	1.1
Intel	2816A	16384	DIP	24	2.1	-	1.0	48 DIP	1.5	48 DIP	1.1	EPROM	1	28	2.1	4.1	32	1.0	2.1	1.1
Samsung	2816A	16384	DIP	24	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	6	28	2.1	4.1	32	1.0	2.1	1.4
SEEQ	2816A	16384	DIP	24	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	6	28	2.1	4.1	32	1.0	2.1	1.1
Xicor	2816A	16384	DIP	24	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.1	4.1	32	1.0	2.1	1.1
Xicor	2816A	16384	LCC	32	-	3.0	1.0	P/LCC	1.2	P/LCC	-	-	-	-	1.0	-	-	-	-	1
EXEL	2816A	16384	PLCC	32	-	3.2	1.0	P/LCC	1.5	P/LCC	-	-	23	32P(28D)	-	-	-	1.0	3.2	1.1
Xicor	2816A	16384	PLCC	32	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	17	32P(28D)	-	-	-	1.0	2.8	1
SEEQ	2816AH	16384	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	8	28	2.0	4.1	32	1.0	2.0	1.4
Xicor	2816B	16384	DIP	24	2.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	8	28	2.0	4.1	32	1.0	2.5	1.4
Xicor	2816B	16384	LCC	32	-	3.0	1.0	P/LCC	1.2	P/LCC	-	-	-	-	1.0	-	-	-	-	1.4
Xicor	2816B	16384	PLCC	32	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	17	32P(28D)	-	-	-	1.0	2.5	1.4
Xicor	2816C	16384	DIP	24	3.2	-	1.0	48 DIP	1.3	48 DIP	-	-	17	28	3.2	-	-	1.0	3.2	-
Xicor	2816C	16384	PLCC	32	-	3.3	1.0	P/LCC	1.4	P/LCC	-	-	18	32P(28D)	-	-	-	1.0	3.3	-
AMD/MMI	2817A	16384	DIP	28	2.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.5	4.1	32	1.0	-	1.4
EXEL	2817A	16384	DIP	28	-	-	-	-	-	-	1.1	EPROM	-	-	-	-	-	-	-	-
Intel	2817A	16384	DIP	28	2.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	5	28	2.5	4.1	32	1.0	-	1.4
Samsung	2817A	16384	DIP	28	2.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	7	28	2.5	4.1	32	1.0	-	1.4
SEEQ	2817A	16384	DIP	28	2.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	8	28	2.5	4.1	32	1.0	-	1.4
SEEQ	2817AH	16384	DIP	28	2.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	8	28	2.5	4.1	32	1.0	-	1.4
Atmel	28C16	16384	DIP	24	2.1	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	9	28	2.8	4.1	32	1.0	2.1	1.4
Samsung	28C16	16384	DIP	24	2.8	-	1.0	48 DIP	1.0	48 DIP	-	-	16	28	-	-	-	1.0	2.8	4.1
Atmel	28C16	16384	PLCC	32	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	17	32P(28D)	-	-	-	1.0	2.1	1.4
Microchip	28C16/A	16384	DIP	24	2.1	-	1.0	48 DIP	1.0	48 DIP	-	-	9	28	2.8	-	-	1.0	2.1	1.4
Microchip	28C16/A	16384	PLCC	32	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	17	32P(28D)	-	-	-	1.0	2.3	1.4
Catalyst	28C16A	16384	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	12	28	2.2	4.1	32	1.0	2.2	4.1
EXEL	28C16A	16384	DIP	24	3.5	-	1.0	48 DIP	1.6	48 DIP	2.0	EPROM	11	28	2.8	4.1	32	1.0	3.5	-
OkI	28C16A	16384	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	11	28	2.8	4.1	32	1.0	2.2	1.1
Atmel	28C17	16384	DIP	28	2.6	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	13	28	-	4.1	32	1.0	-	1.4
Samsung	28C17	16384	DIP	24	2.8	-	1.0	48 DIP	1.0	48 DIP	-	-	16	28	-	-	-	1.0	2.8	4.1
Microchip	28C17/A	16384	DIP	28	2.5	-	1.0	48 DIP	1.0	48 DIP	-	-	9	28	-	-	-	1.0	-	1.4
Microchip	28C17/A	16384	PLCC	32	-	3.2	1.0	P/LCC	1.5	P/LCC	-	-	19	32P(28D)	-	-	-	1.0	3.2	1.4
Microchip	28C17/A	16384	SO	28	-	3.4	-	-	-	SOIC	-	-	-	-	-	-	-	-	-	-
Catalyst	28C17A	16384	DIP	28	2.5	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	12	28	2.5	4.1	32	1.0	-	1.4
Atmel	28HC16	16384	DIP	24	2.3	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	15	28	2.8	4.1	32	1.0	2.3	4.1
Atmel	28HC17	16384	DIP	28	-	-	-	-	-	-	2.0	EPROM	-	-	-	-	-	-	-	-
SEEQ	36C16	16384	DIP	24	2.3	-	1.0	48 DIP	1.1	48 DIP	2.0	EPROM	17	28	-	4.1	32	1.0	2.3	1.4
EXEL	46C15	16384	DIP	24	1.4	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	12	28	2.0	4.1	32	1.0	1.4	-
EXEL	46C16	16384	DIP	24	2.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	12	28	2.5	4.1	32	1.0	2.5	-
Hitachi	48016	16384	DIP	24	2.0	-	1.0	48 DIP	1.6	48 DIP	1.1	EPROM	-	-	2.0	4.1	32	1.0	2.0	-
SEEQ	52B13	16384	DIP	24	2.0	-	1.0	48 DIP	1.1	48 DIP	1.1	EPROM	7	28	2.0	4.1	32	1.0	2.0	1.4
SEEQ	52B13H	16384	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	7	28	2.0	4.1	32	1.0	2.0	1.4
SEEQ	5516A	16384	DIP	24	2.1	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	8	28	2.1	4.1	32	1.0	2.1	1.4
SEEQ	5517A	16384	DIP	28	-	-	-	-	-	-	1.1	EPROM	-	-	-	-	-	-	-	4.2
SEEQ	5517AH	16384	DIP	28	-	-	-	-	-	-	1.1	EPROM	-	-	-	-	-	-	-	1.4
Integrated Device	78C16A	16384	DIP	24	2.1	-	1.0	48 DIP	1.5	48 DIP	-	-	10	28	-	-	-	1.0	2.1	1.4
National	9716	16384	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	-	-	-	-	2.0	-	-	1.0	2.0	-
National	9716A	16384	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	7	28	2.0	4.1	32	1.0	2.0	-
National	9817	16384	DIP	28	2.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.5	4.1	32	1.0	-	-
National	9817A	16384	DIP	28	2.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.5	4.1	32	1.0	-	-
SEEQ	36C32	32768	DIP	24	2.6	-	1.0	48 DIP	1.1	48 DIP	2.0	EPROM	17	28	2.6	4.1	32	1.0	2.6	1
SEEQ	32768	32768	DIP	24	2.6	-	1.0	48 DIP	1.0	48 DIP	-	-	16	28	2.6	-	-	1.0	2.6	-
Simtek	10C68	65536	DIP	28	3.5	-	1.0	48 DIP	1.6	48 DIP	-	-	-	-	-	-	-	1.0	-	-
Simtek	11C68	65536	DIP	28	3.5	-	1.0	48 DIP	1.6	48 DIP	-	-	-	-	-	-	-	1.0	-	-
National	2864	65536	DIP	28	2.0	-	1.0	48 DIP	1.5	48 DIP	1.1	EPROM	-	-	2.8	4.1	32	1.0	-	-
SEEQ	2864	65536	DIP	28	1.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	8	28	2.8	4.1	32	1.0	-	1.4
AMD/MMI	2864A	65536	DIP	28	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	8	28	2.8	4.1	32	1.0</		

# TTL EPROMs

DATA SORTED BY:  
Array, Part, Package, Manufacturer



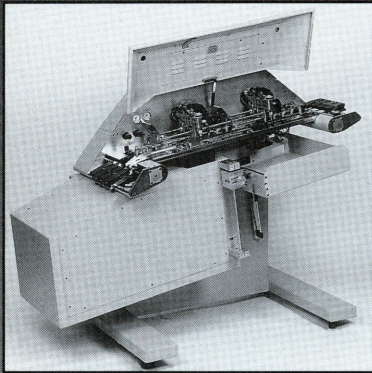
Designed specifically for integration with automated device handling systems in a manufacturing environment, the AutoSite™ Automated Production Programmer provides reliable support for today's high-speed devices.

Manufacturer	Device	Array	Package	Pins	UniSite/48	UniSite/PinSite	3900	3900Base/Adapter	2900	2900Base/Adapter	212	212MOD-	Series 1000	Series 1000 SR-	UniSite/SetSite	288A	288A MOD-	ProMaster	HandlerSite	BoardSite	
Cypress	7C225	4096	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	-	-	-	4.1	32	1.0	2.2	3	
Cypress	7C225	4096	LCC	28	-	3.1	1.0	P/LCC	1.2	P/LCC	-	-	-	-	-	-	-	-	-	3	
National	27C58A	8192	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
National	27C58B	8192	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	1	28	2.0	4.1	32	1.0	2.0	1	
Cypress	7C235	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	-	-	-	4.1	32	1.0	2.2	3	
Cypress	7C235	8192	LCC	28	-	3.0	1.0	P/LCC	1.2	P/LCC	-	-	-	-	-	-	-	1.0	-	3	
Cypress	7C235	8192	PLCC	28	-	3.1	1.0	P/LCC	1.1	P/LCC	-	-	-	-	-	-	-	1.0	3.1	3	
Cypress	7C281	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	-	-	-	5.0	32	1.0	2.2	-	
Cypress	7C282	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	-	-	-	4.1	32	1.0	2.2	-	
AMD/MMI	27C191	16384	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	12	28	2.2	4.1	32	1.0	2.2	4.2	
AMD/MMI	27C291	16384	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	-	-	-	2.2	4.1	32	1.0	2.2	
TI	27C291	16384	DIP	24	1.7	-	1.0	48 DIP	1.1	48 DIP	-	-	-	-	-	-	-	1.0	1.7	-	
TI	27C291	16384	PLCC	28	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	-	-	-	-	-	1.0	1.6	-	
TI	27C292	16384	DIP	24	1.7	-	1.0	48 DIP	1.1	48 DIP	-	-	-	-	-	-	-	1.0	1.7	-	
AMD/MMI	27C45	16384	DIP	28	2.7	-	1.0	48 DIP	1.0	48 DIP	-	-	-	-	-	-	-	1.0	-	-	
Asahi Kasei	27CX161	16384	DIP	24	3.1	-	1.0	48 DIP	1.5	48 DIP	-	-	17	28	-	-	-	1.0	3.1	-	
Asahi Kasei	27CX162	16384	DIP	24	3.1	-	1.0	48 DIP	1.5	48 DIP	-	-	17	28	-	-	-	1.0	3.1	-	
Microchip	27HC191	16384	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	-	-	-	4.1	32	1.0	2.2	-	
Microchip	27HC291	16384	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	-	-	-	3.6	4.1	32	1.0	2.2	
AMD/MMI	27S45A-L32	16384	LCC	32	-	3.0	1.0	P/LCC	1.2	P/LCC	-	-	-	-	-	-	-	1.0	-	-	
Atmel	28HC191	16384	DIP	24	2.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	8	28	2.8	4.1	32	1.0	2.5	-	
Atmel	28HC291	16384	DIP	24	2.5	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	-	-	-	4.1	32	1.0	2.5	-	
Sharp	57C191	16384	DIP	24	2.0	-	1.0	48 DIP	1.6	48 DIP	-	-	12	28	2.8	-	-	1.0	2.0	-	
Waferscale	57C191	16384	DIP	24	-	-	-	-	-	-	4.0	EPROM	20	28	-	4.1	32	-	2.0	4.3	
Waferscale	57C191	16384	LCC	28	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	4.3	
Waferscale	57C191B	16384	DIP	24	2.5	-	1.0	48 DIP	1.3	48 DIP	-	-	20	28	2.8	4.1	32	1.0	2.5	4.3	
Waferscale	57C191B	16384	PLCC	28	-	3.0	1.0	P/LCC	1.3	P/LCC	-	-	-	-	-	-	-	1.0	2.5	4.3	
Waferscale	57C191C	16384	DIP	24	2.5	-	1.0	48 DIP	1.3	48 DIP	-	-	20	28	-	-	-	1.0	2.5	4.3	
Waferscale	57C291	16384	DIP	24	2.5	-	1.0	48 DIP	1.3	48 DIP	4.0	EPROM	20	28	2.8	4.1	32	1.0	2.5	4.3	
Waferscale	57C291B	16384	DIP	24	-	-	-	-	-	-	-	-	-	-	-	4.1	32	-	-	4.3	
Waferscale	57C45	16384	DIP	24	2.7	-	1.0	48 DIP	1.2	48 DIP	-	-	-	-	-	-	-	1.0	2.7	5.0	
Waferscale	57C45	16384	LCC	28	-	3.7	1.0	P/LCC	1.8	P/LCC	-	-	-	-	-	-	-	1.0	-	-	
Waferscale	57C45BT	16384	DIP	24	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	-	-	-	-	-	1.0	3.6	-	
Waferscale	57C45T	16384	DIP	24	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	-	-	-	-	-	1.0	3.6	5.0	
Cypress	7C245	16384	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	-	-	-	4.1	32	1.0	2.2	3	
Cypress	7C245	16384	LCC	28	-	3.1	1.0	P/LCC	1.2	P/LCC	-	-	-	-	-	-	-	1.0	-	3	
Cypress	7C245	16384	SO	24	-	3.1	-	-	1.7	SOIC	-	-	-	-	-	-	-	-	-	3	
Cypress	7C245A	16384	DIP	24	2.3	-	1.0	48 DIP	1.0	48 DIP	-	-	-	-	-	-	-	1.0	2.3	2	
Cypress	7C245A	16384	LCC	28	-	3.0	1.0	P/LCC	1.2	P/LCC	-	-	-	-	-	-	-	1.0	-	2	
Cypress	7C291	16384	DIP	24	2.2	-	1.0	48 DIP	1.1	48 DIP	2.0	EPROM	-	-	-	4.1	32	1.0	2.2	3	
Cypress	7C291	16384	LCC	28	-	3.1	1.0	P/LCC	1.2	P/LCC	-	-	-	-	-	-	-	1.0	-	3	
Cypress	7C291	16384	PLCC	28	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	-	-	-	-	-	1.0	2.2	3	
Cypress	7C291A	16384	DIP	24	2.3	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	-	-	-	4.1	32	1.0	2.3	3	
Cypress	7C291A	16384	PLCC	28	-	3.6	1.1	P/LCC	1.7	P/LCC	-	-	-	-	-	-	-	1.0	3.6	-	
Cypress	7C291A	16384	SO	24	-	3.4	-	-	1.7	SOIC	-	-	-	-	-	-	-	-	-	-	
Cypress	7C292	16384	DIP	24	2.2	-	1.0	48 DIP	1.1	48 DIP	2.0	EPROM	-	-	-	4.1	32	1.0	2.2	3	
Cypress	7C292A	16384	DIP	24	2.3	-	1.0	48 DIP	1.0	48 DIP	-	-	-	-	-	-	-	1.0	2.3	3	
Cypress	7C293A	16384	DIP	24	2.8	-	1.0	48 DIP	1.0	48 DIP	-	-	-	-	-	-	-	1.0	2.8	4.1	
AMD/MMI	27C43	32768	DIP	24	2.7	-	1.0	48 DIP	1.0	48 DIP	-	-	14	28	3.0	-	-	1.0	2.7	4.2	
Asahi Kasei	27CX321	32768	DIP	24	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	19	28	-	-	-	1.0	3.6	-	
Intn'l CMOS	27CX321	32768	DIP	24	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	12	28	-	-	-	1.0	3.6	-	
Asahi Kasei	27CX322	32768	DIP	24	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	19	28	-	-	-	1.0	3.6	-	
Intn'l CMOS	27CX322	32768	DIP	24	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	17	28	-	-	-	1.0	3.6	-	
Waferscale	57C43B	32768	DIP	24	2.5	-	1.0	48 DIP	1.3	48 DIP	-	-	20	28	2.5	5.0	32	1.0	2.5	4.3	
Waferscale	57C43B	32768	PLCC	28	-	3.0	1.0	P/LCC	1.3	P/LCC	-	-	-	-	-	-	-	1.0	2.5	4.3	
Waferscale	57C43BT	32768	DIP	24	2.5	-	1.0	48 DIP	1.3	48 DIP	-	-	20	28	-	-	-	1.0	2.5	4.3	
AMD/MMI	27C49	65536	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	2.0	EPROM	12	28	2.2	4.1	32	1.0	2.2	4.2	
TI	27C49	65536	DIP	24	3.0	-	1.0	48 DIP	1.1	48 DIP	-	-	-	-	-	-	-	1.0	3.0	-	
Asahi Kasei	27CX641	65536	DIP	24	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	16	28	-	-	-	1.0	3.6	-	
Intn'l CMOS	27CX641	65536	DIP	24	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	12	28	-	-	-	1.0	3.6	-	
Asahi Kasei	27CX642	65536	DIP	24	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	17	28	-	-	-	1.0	3.6	-	
Intn'l CMOS	27CX642	65536	DIP	24	3.6	-	1.1	48 DIP	1.7	48 DIP	-	-	17	28	-	-	-	1.0	3.6	-	
Atmel	27HC641	65536	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.1	EPROM	12	28	2.0	4.1	32	1.0	2.0	4.2	
Microchip	27HC641	65536	DIP	24	2.6	-	1.0	48 DIP	1.6	48 DIP	4.0	EPROM	12	28	2.8	4.1	32	1.0	2.6	-	
Signetics	27HC641	65536	DIP	24	2.8	-	1.0	48 DIP	1.0	48 DIP	-	-	18	28	2.8	-	-	1.0	2.8	-	
Atmel	27HC641	65536	LCC	28	-	3.0	1.0	P/LCC	1.2	P/LCC	-	-	-	-	-	-	-	1.0	-	4.2	
Atmel	27HC641	65536	PLCC	28	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	-	-	-	-	-	1.0	2.3	4.2	
Signetics	27HC641	65536	PLCC	28	-	3.0	1.0	P/LCC	1.1	P/LCC	-	-	-	-	-	-	-	1.0	2.8	-	
Atmel	27HC641R	65536	DIP	24	3.4	-	1.0	48 DIP	1.5	48 DIP	-	-	-	-	-	-	-	1.0	3.4	-	
Atmel	27HC642R	65536	DIP	24	3.5	-	1.0	48 DIP	1.6	48 DIP	-	-	-	-	-	-	-	1.0	3.5	-	
Sharp	5749	65536	DIP	24	2.0	-	1.0	48 DIP	1.6	48 DIP	1.1	EPROM	12	28	2.0	4.1	32	1.0	2.0	4.3	
Waferscale	57C49	65536	DIP	24	2.0	-	1.0	48 DIP	1.3	48 DIP	4.0	EPROM	20	28	2.0	4.1	32	1.0	2.0	4.3	
Waferscale	57C49	65536	LCC	28	-	3.0	1.0	P/LCC	1.5	P/LCC	-	-	-	-	-	-	-	1.0	-	4.3	
Waferscale	57C49B	65536	DIP	24	2.5	-	1.0	48 DIP	1.3	48 DIP	-	-	20	28	2.8	4.1	32	1.0	2.5	4.3	
Waferscale	57C49B	65536	LCC	28	-	3.0	1.0	P/LCC	1.3	P/LCC	-	-	-	-	-	-	-	1.0	-	4.3	
Waferscale	57C49B	65536	PLCC	28	-	3.0	1.0	P/LCC	1.3	P/LCC	-	-	-	-	-	-	-	1.0	2.5	4.3	
Waferscale	57C49BT	65536	DIP	24	2.5	-	1.0	48 DIP	1.3	48 DIP	1.1	EPROM	20	28	-	-	-	1.0	2.5	4.3	
Cypress	7C261	65536	DIP	24	2.3	-	1.0	48 DIP	1.1	48 DIP	-	-	-	-	-	3.7	4.1	32	1.0	2.3	4
Cypress	7C281	65536	LCC	28	-	3.1															



# SERIAL EPROMs

DATA SORTED BY:  
Array, Part, Package, Manufacturer



The advanced Quality Automation Autolaser 7000 can program, test, laser-mark, and sort up to 700 DIP or surface-mount devices per hour, optimizing throughput and quality while minimizing human error and damage to the devices.

Manufacturer	Device	Array	Package	Pins	UniSite/Std 48	UniSite/PinSite	3900	3900 Base/Adapter	2900	2900 Base/Adapter	ProMaster	HandlerSite	BoardSite
Xicor	2444	256	DIP	8	3.2	-	1.0	48 DIP	1.3	48 DIP	1.0	3.2	-
Fujitsu Micro	8541P	256	DIP	8	3.0	-	-	-	-	-	-	3.0	-
Microchip	93C06	256	DIP	8	3.2	-	1.0	48 DIP	1.5	48 DIP	1.0	3.2	-
National	93C06	256	DIP	8	3.1	-	1.0	48 DIP	1.3	48 DIP	1.0	3.1	5.0
SGS-Thomson	93C06	256	DIP	8	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	-
SGS-Thomson	93C06B	256	DIP	8	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	-
National	93C06	256	DIP	8	3.1	-	1.0	48 DIP	1.5	48 DIP	1.0	3.1	5.0
Xicor	24C01	1024	DIP	8	3.2	-	1.0	48 DIP	1.5	48 DIP	1.0	3.2	-
Xicor	24C01-3	1024	DIP	8	3.4	-	1.0	48 DIP	1.5	48 DIP	1.0	3.4	-
Microchip	24C01/A	1024	DIP	8	3.3	-	1.0	48 DIP	1.4	48 DIP	1.0	3.3	-
Microchip	24C01/A-SN	1024	SO	8	-	-	-	1.7	SOIC	-	-	-	-
SGS-Thomson	24C01B	1024	DIP	8	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	-
Xicor	24LC01	1024	DIP	8	3.3	-	1.0	48 DIP	1.3	48 DIP	1.0	3.3	-
Seiko Instruments	2913AR/I	1024	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2913CR/I	1024	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Microchip	5911	1024	DIP	8	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	-
Catalyst	59C11	1024	DIP	8	2.8	-	1.0	48 DIP	1.0	48 DIP	1.0	2.8	-
Microchip	59C11	1024	DIP	8	3.2	-	1.0	48 DIP	1.6	48 DIP	1.0	3.2	-
SGS-Thomson	59C11	1024	DIP	8	3.2	-	1.0	48 DIP	1.3	48 DIP	1.0	3.2	-
Microchip	59C11-SN	1024	SO	8	-	-	-	1.7	SOIC	-	-	-	-
Microchip	85C72	1024	DIP	8	3.3	-	1.0	48 DIP	1.4	48 DIP	1.0	3.3	-
National	9346	1024	DIP	8	2.8	-	1.0	48 DIP	1.1	48 DIP	1.0	2.8	-
SGS-Thomson	9346	1024	DIP	8	3.2	-	1.0	48 DIP	1.5	48 DIP	1.0	3.2	-
Catalyst	93C46	1024	DIP	8	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	-
EXEL	93C46	1024	DIP	8	3.2	-	1.0	48 DIP	1.5	48 DIP	1.0	3.2	-
Hyundai	93C46	1024	DIP	8	2.8	-	1.0	48 DIP	1.1	48 DIP	1.0	2.8	-
Intr'n'l CMOS	93C46	1024	DIP	8	2.8	-	1.0	48 DIP	1.1	48 DIP	1.0	2.8	-
Microchip	93C46	1024	DIP	8	3.2	-	1.0	48 DIP	1.5	48 DIP	1.0	3.2	5.0
National	93C46	1024	DIP	8	3.1	-	1.0	48 DIP	1.2	48 DIP	1.0	3.1	5.0
SGS-Thomson	93C46	1024	DIP	8	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	-
National	93C46	1024	SO	14	-	-	-	1.7	SOIC	-	-	5.0	-
Intr'n'l CMOS	93C46A	1024	DIP	8	3.4	-	1.0	48 DIP	1.5	48 DIP	1.0	3.4	-
SGS-Thomson	93C46AB	1024	DIP	8	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	-
National	93CS46	1024	DIP	8	3.1	-	1.0	48 DIP	1.5	48 DIP	1.0	3.1	5.0
SGS-Thomson	93CS46	1024	DIP	8	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	-
SGS-Thomson	93CS46B	1024	DIP	8	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	-
Xicor	2402	2048	DIP	8	2.8	-	1.0	48 DIP	1.1	48 DIP	1.0	2.8	-
Xicor	2404	2048	DIP	8	2.8	-	1.0	48 DIP	1.1	48 DIP	1.0	2.8	-
Catalyst	24C02	2048	DIP	8	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	-	-
Xicor	24C02	2048	DIP	8	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	-	-
Microchip	24C02/A	2048	DIP	8	3.3	-	1.0	48 DIP	1.4	48 DIP	1.0	3.3	-
Microchip	24C02/A-SN	2048	SO	8	-	-	-	1.7	SOIC	-	-	-	-
SGS-Thomson	24C02A	2048	DIP	8	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	-
SGS-Thomson	25C02A	2048	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	5.0
SGS-Thomson	25C02A	2048	SO	8	-	-	-	1.8	SOIC_15	-	-	-	5.0
Seiko Instruments	2922AR/I	2048	DIP	8	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	-	-
Catalyst	35C102	2048	DIP	8	2.8	-	1.0	48 DIP	1.0	48 DIP	1.0	2.8	-
Microchip	8582	2048	DIP	8	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	-
Microchip	85C82	2048	DIP	8	3.3	-	1.0	48 DIP	1.4	48 DIP	1.0	3.3	-
National	93C56	2048	DIP	8	3.1	-	1.0	48 DIP	1.5	48 DIP	1.0	3.1	5.0
Intr'n'l CMOS	93C56A	2048	DIP	8	3.4	-	1.0	48 DIP	1.5	48 DIP	1.0	3.4	-
SGS-Thomson	93CS56	2048	DIP	8	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	-
SGS-Thomson	93CS56B	2048	DIP	8	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	-
Intr'n'l CMOS	93CX56	2048	DIP	8	3.5	-	1.0	48 DIP	1.6	48 DIP	1.0	3.5	-
Intr'n'l CMOS	93CX66	2048	DIP	8	3.5	-	1.0	48 DIP	1.6	48 DIP	1.0	3.5	-
Xicor	24C04	4096	DIP	8	2.8	-	1.0	48 DIP	1.1	48 DIP	1.0	2.8	-
Xicor	24C04-3	4096	DIP	8	3.4	-	1.0	48 DIP	1.5	48 DIP	1.0	3.4	-
Microchip	24C04/A	4096	DIP	8	2.8	-	1.0	48 DIP	1.5	48 DIP	1.0	2.8	-
Microchip	24C04/A-SN	4096	SO	8	-	-	-	1.7	SOIC	-	-	-	-
SGS-Thomson	24C04B	4096	DIP	8	3.6	-	1.2	48 DIP	1.8	48 DIP	1.0	3.6	-
SGS-Thomson	25C04	4096	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	5.0
SGS-Thomson	25C04	4096	SO	14	-	-	-	1.8	SOIC_15	-	-	-	5.0
Catalyst	33C104	4096	DIP	8	2.8	-	1.0	48 DIP	1.0	48 DIP	1.0	2.8	-
Catalyst	35C104	4096	DIP	8	2.8	-	1.0	48 DIP	1.0	48 DIP	1.0	2.8	-
National	93C66	4096	DIP	8	3.1	-	1.0	48 DIP	1.5	48 DIP	1.0	3.1	5.0
Intr'n'l CMOS	93C66A	4096	DIP	8	3.4	-	1.0	48 DIP	1.5	48 DIP	1.0	3.4	-
Asahi Kasei	93C67	4096	DIP	8	3.5	-	1.0	48 DIP	1.6	48 DIP	1.0	3.5	-
National	93CS66	4096	DIP	8	3.1	-	1.0	48 DIP	1.5	48 DIP	1.0	3.1	5.0
Xicor	24C08-3	8192	DIP	8	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6	-
SGS-Thomson	24C08B	8192	DIP	8	3.6	-	1.2	48 DIP	1.8	48 DIP	1.0	3.6	-
Xicor	24LC04	8192	DIP	8	3.3	-	1.0	48 DIP	1.3	48 DIP	1.0	3.3	-
Asahi Kasei	93C47	8192	DIP	8	3.5	-	1.0	48 DIP	1.6	48 DIP	1.0	3.5	-
Catalyst	24C16	16384	DIP	8	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	-	-
Xicor	24C16	16384	DIP	8	2.8	-	1.0	48 DIP	1.1	48 DIP	1.0	2.8	-
Xicor	24C16-3	16384	DIP	8	3.4	-	1.0	48 DIP	1.5	48 DIP	1.0	3.4	-
Microchip	24LC16	16384	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Xicor	24LC16	16384	DIP	8	3.3	-	1.0	48 DIP	1.3	48 DIP	1.0	3.3	-
Microchip	24LC16	16384	SO	14	-	-	-	1.8	SOIC_15	-	-	-	-
Asahi Kasei	93C57	16384	DIP	8	3.5	-	1.0	48 DIP	1.6	48 DIP	1.0	3.5	-
AMD/MMI	1736	36288	DIP	8	2.6	-	1.0	48 DIP	1.1	48 DIP	1.0	2.6	-
Xilinx	1736	36288	DIP	8	3.0	-	1.0	48 DIP	1.1	48 DIP	1.0	3.0	-
AMD/MMI	1736	36288	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.8	-
Xilinx	1736A	36288	DIP	8	3.0	-	1.0	48 DIP	1.1	48 DIP	1.0	3.0	-
Xilinx	1736A	36288	PLCC	20	-	3.4	1.0	P/LCC	1.5	P/LCC	1.0	3.4	-
AMD/MMI	1765	65536	DIP	8	2.8	-	1.0	48 DIP	1.1	48 DIP	1.0	2.8	-
Xilinx	1765	65536	DIP	8	3.2	-	1.0	48 DIP	1.2	48 DIP	1.0	3.2	-
AMD/MMI	1765	65536	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.8	-
Xilinx	1765	65536	PLCC	20	-	3.4	1.0	P/LCC	1.5	P/LCC	1.0	3.4	-
Seiko Instruments	2100R/RF	65536	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2940/IF	131072	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-

**BOLD TYPE** in these columns denotes changed algorithms

**A**

**BOLD TYPE** in these columns denotes special certification by Data I/O and the device manufacturer

Manufacturer	Device	Array	Package	Pins	UniSite/Std 48	UniSite/PinSite	3900	3900 Base/Adapter	2900	2900 Base/Adapter	ProMaster	HandlerSite	BoardSite
Seiko Instruments	29611/IF	393216	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	29801/IF	786432	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2911R/I	1048576	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2914AR/I	1048576	DIP	8	3.8	-	1.3	48 DIP	1.9	48 DIP	1.0	-	-
Seiko Instruments	2914R/RF	1048576	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2917R/I	1048576	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2918R/I	1048576	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2919AR/I	1048576	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2919CR/I	1048576	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2919GR/I	1048576	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2923CR/I	2097152	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2924AR/I	2097152	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2929AR/I	2097152	DIP	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-	-
Seiko Instruments	2929CR/I	2097152	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2929GR/I	2097152	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2933CR/I	4194304	DIP	8	3.7	-	1.2	48 DIP	1.8	48 DIP	1.0	-	-
Seiko Instruments	2934AR/I	4194304	DIP	8	3								

# TTL PROMs

DATA SORTED BY:  
Array, Part, Package, Manufacturer



The ProMaster 3000 Integrated Production Programming System integrates the AutoSite programmer with a Quality Automation handler and TaskLink software, for reliable high-volume automated programming.

Manufacturer	Device	Array	Package	Pins	UniSite/ Site 48	UniSite/ PinSite	3900	3900Base/ Adapter	2900	2900Base/ Adapter	ProMaster	Handler/ Site
AMD/MMI	27LS18	256	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
AMD/MMI	27LS19	256	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
AMD/MMI	27S18	256	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
AMD/MMI	27S19	256	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
AMD/MMI	27S19	256	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2
TI	38S030	256	DIP	16	2.2	-	-	-	-	-	-	2.2
TI	38SA030	256	DIP	16	2.2	-	-	-	-	-	-	2.2
AMD/MMI	53/6330	256	DIP	16	1.0	-	-	-	-	-	-	1.0
AMD/MMI	53/6331	256	DIP	16	1.0	-	-	-	-	-	-	1.0
AMD/MMI	53/63S080	256	DIP	16	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2
AMD/MMI	53/63S081	256	DIP	16	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2
Mitsubishi Elec.	54730A	256	DIP	16	2.0	-	1.0	48 DIP	1.0	48 DIP	1.0	2.0
Mitsubishi Elec.	54731A	256	DIP	16	2.0	-	1.0	48 DIP	1.0	48 DIP	1.0	2.0
National	54S186	256	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
National	54S288	256	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
AMD/MMI	5P8/A	256	DIP	16	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2
AMD/MMI	63S080	256	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2
AMD/MMI	63S081	256	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2
Fujitsu Micro	7051	256	DIP	16	1.7	-	-	-	-	-	-	1.7
Fujitsu Micro	7056	256	DIP	16	1.7	-	-	-	-	-	-	1.7
Fujitsu Micro	7111	256	DIP	16	2.2	-	-	-	-	-	-	2.2
Fujitsu Micro	7112	256	DIP	16	2.2	-	-	-	-	-	-	2.2
Fujitsu Micro	7112	256	LCC	20	-	3.1	-	-	-	-	-	2.2
National	74S188	256	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
National	74S288	256	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
National	74S288	256	PLCC	20	-	3.4	1.0	P/LCC	1.5	P/LCC	1.0	-
Harris	7603	256	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
Harris	7603	256	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
National	77X288	256	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
Signetics	82S123	256	DIP	16	1.4	-	1.0	48 DIP	1.0	48 DIP	1.0	1.4
Signetics	82S123	256	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.6
Signetics	82S23	256	DIP	16	1.6	-	1.0	48 DIP	1.0	48 DIP	1.0	1.6
Signetics	82S23	256	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	1.6
Signetics	82S23	256	SO	16	-	3.0	-	-	1.7	SOIC	-	-
National	87X288	256	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
NEC	B400	256	DIP	16	2.1	-	-	-	-	-	-	2.1
NEC	B410	256	DIP	16	2.1	-	-	-	-	-	-	2.1
AMD/MMI	5P16	512	DIP	24	2.1	-	1.0	48 DIP	1.3	48 DIP	1.0	2.1
AMD/MMI	5P16	512	PLCC	28	-	3.0	-	-	-	-	-	2.1
TI	24S10	1024	DIP	16	1.0	-	1.0	48 DIP	1.0	48 DIP	1.0	1.0
TI	24SA10	1024	DIP	16	1.0	-	1.0	48 DIP	1.0	48 DIP	1.0	1.0
AMD/MMI	27S20	1024	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
AMD/MMI	27S21	1024	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
AMD/MMI	27S21	1024	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2
TI	34L10	1024	DIP	16	2.2	-	-	-	-	-	-	2.2
TI	34L12	1024	PLCC	20	-	3.0	-	-	-	-	-	2.2
TI	34S10	1024	DIP	16	2.2	-	-	-	-	-	-	2.2
TI	34S12	1024	PLCC	20	-	3.0	-	-	-	-	-	2.2
TI	34SA10	1024	DIP	16	2.2	-	-	-	-	-	-	2.2
TI	34SA12	1024	PLCC	20	-	3.0	-	-	-	-	-	2.2
AMD/MMI	53/6300	1024	DIP	16	1.0	-	-	-	-	-	-	1.0
AMD/MMI	53/6301	1024	DIP	16	1.0	-	-	-	-	-	-	1.0
AMD/MMI	53/63LS140	1024	DIP	16	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2
AMD/MMI	53/63LS141	1024	DIP	16	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2
AMD/MMI	53/63S141	1024	DIP	16	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2
Mitsubishi Elec.	54700A	1024	DIP	16	2.0	-	1.0	48 DIP	1.0	48 DIP	1.0	2.0
Mitsubishi Elec.	54701A	1024	DIP	16	2.0	-	1.0	48 DIP	1.0	48 DIP	1.0	2.0
National	54S287	1024	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
National	54S387	1024	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
AMD/MMI	63S140	1024	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2
AMD/MMI	63S141	1024	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2
AMD/MMI	6P16	1024	DIP	24	2.1	-	1.0	48 DIP	1.3	48 DIP	1.0	2.1
AMD/MMI	6P16	1024	PLCC	28	-	3.0	1.0	P/LCC	1.3	P/LCC	1.0	2.1
Fujitsu Micro	7052	1024	DIP	16	3.6	-	-	-	-	-	-	3.6
Fujitsu Micro	7113/L	1024	DIP	16	2.2	-	-	-	-	-	-	2.2
Fujitsu Micro	7114/L	1024	DIP	16	2.2	-	-	-	-	-	-	2.2
National	74S287	1024	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
National	74S387	1024	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
Harris	7610	1024	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
Harris	7611	1024	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
Signetics	82S126	1024	DIP	16	1.7	-	1.0	48 DIP	1.0	48 DIP	1.0	1.7
Signetics	82S126	1024	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	3.0
Signetics	82S126	1024	SO	16	-	3.0	-	-	1.7	SOIC	-	-
Signetics	82S129	1024	DIP	16	1.7	-	1.0	48 DIP	1.0	48 DIP	1.0	1.7
Signetics	82S129	1024	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.5
Signetics	82S129	1024	SO	16	-	3.0	-	-	1.7	SOIC	-	-
AMD/MMI	8P4	1024	DIP	16	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2
NEC	B403	1024	DIP	16	2.1	-	-	-	-	-	-	2.1
NEC	B423	1024	DIP	16	2.1	-	-	-	-	-	-	2.1
AMD/MMI	27S12	2048	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
AMD/MMI	27S13	2048	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
AMD/MMI	27S13	2048	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2
AMD/MMI	27S23/A	2048	DIP	20	3.6	-	1.1	48 DIP	1.7	48 DIP	1.0	3.6
TI	28L22	2048	DIP	20	1.0	-	1.0	48 DIP	1.0	48 DIP	1.0	1.0
TI	28LA22	2048	DIP	20	1.0	-	1.0	48 DIP	1.0	48 DIP	1.0	1.0
Raytheon	29613/A	2048	DIP	16	2.1	-	-	-	-	-	-	2.1
TI	38L22	2048	DIP	20	2.2	-	-	-	-	-	-	2.2
TI	38L22	2048	PLCC	20	-	3.0	-	-	-	-	-	2.2
TI	38S22	2048	DIP	20	2.2	-	-	-	-	-	-	2.2

**BOLD TYPE** in these columns denotes changed algorithms

**A**

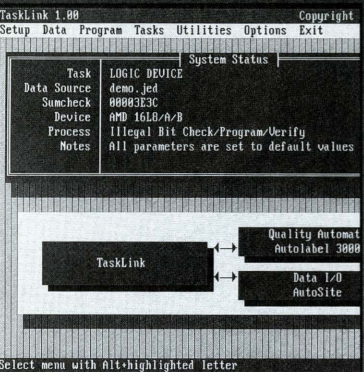
**BOLD TYPE** in these columns denotes special certification by Data I/O and the device manufacturer

Manufacturer	Device	Array	Package	Pins	UniSite/ Site 48	UniSite/ PinSite	3900	3900Base/ Adapter	2900	2900Base/ Adapter	ProMaster	Handler/ Site
TI	38S22	2048	PLCC	20	-	3.0	-	-	-	-	-	2.2
TI	38SA22	2048	DIP	20	2.2	-	-	-	-	-	-	2.2
TI	38SA22	2048	PLCC	20	-	3.0	-	-	-	-	-	2.2
AMD/MMI	53/6305	2048	DIP	16	1.0	-	-	-	-	-	-	1.0
AMD/MMI	53/6306	2048	DIP	16	1.0	-	-	-	-	-	-	1.0
AMD/MMI	53/6308	2048	DIP	20	2.8	-	-	-	-	-	-	2.8
AMD/MMI	53/6309	2048	DIP	20	2.8	-	-	-	-	-	-	2.8
AMD/MMI	53/6335	2048	DIP	24	2.8	-	-	-	-	-	-	2.8
AMD/MMI	53/6336	2048	DIP	24	2.8	-	-	-	-	-	-	2.8
AMD/MMI	53/63LS240	2048	DIP	16	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2
AMD/MMI	53/63LS241	2048	DIP	16	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2
AMD/MMI	53/63S240	2048	DIP	16	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2
AMD/MMI	53/63S241	2048	DIP	16	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2
AMD/MMI	53/63S285	2048	DIP	24	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2
National	54S570	2048	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
National	54S571	2048	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
AMD/MMI	63S240	2048	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2
AMD/MMI	63S241	2048	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2
AMD/MMI	63S280	2048	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2
AMD/MMI	63S281	2048	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2
Fujitsu Micro	7115	2048	DIP	16	2.2	-	-	-	-	-	-	2.2
Fujitsu Micro	7116	2048	DIP	16	2.2	-	-	-	-	-	-	2.2
Fujitsu Micro	7117	2048	DIP	20	2.2	-	-	-	-	-	-	2.2
Fujitsu Micro	7118	2048	DIP	20	2.2	-	-	-	-	-	-	2.2
Fujitsu Micro	7118	2048	SO	20	3.1	-	-	-	-	-	-	2.2
National	74LS471	2048	DIP	20	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
National	74S570	2048	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2
National	74S571	2048	DIP	16	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2

# TTL PROMS

Continued

DATA SORTED BY:  
Array, Part, Package, Manufacturer



TaskLink™ Universal Production Automation Software provides fast, accurate, and easy PC-based control for all Data I/O manufacturing systems, so you can automate and standardize operations for improved productivity, flexibility, and quality.

Manufacturer	Device	Array	Package	Pins	UniSite/8	UniSite/16	3900	3900Base/Adapter	2900	2900Base/Adapter	ProMaster	Handler/8	Handler/16
TI	28L85	8192	DIP	24	1.0	-	1.0	48 DIP	1.0	48 DIP	1.0	1.0	1.0
TI	28L86	8192	DIP	24	1.0	-	1.0	48 DIP	1.0	48 DIP	1.0	1.0	1.0
TI	28S2708	8192	DIP	24	2.0	-	1.0	48 DIP	1.0	48 DIP	1.0	2.0	2.0
TI	28S85	8192	DIP	24	1.0	-	1.0	48 DIP	1.0	48 DIP	1.0	1.0	1.0
TI	28S86	8192	DIP	24	1.0	-	1.0	48 DIP	1.0	48 DIP	1.0	1.0	1.0
TI	28SA86	8192	DIP	24	1.0	-	1.0	48 DIP	1.0	48 DIP	1.0	1.0	1.0
Raytheon	29631/A	8192	DIP	24	2.1	-	-	-	-	-	-	2.1	-
Raytheon	29633/A	8192	DIP	24	2.1	-	-	-	-	-	-	2.1	-
Raytheon	29651/A	8192	DIP	18	2.1	-	-	-	-	-	-	2.1	-
Raytheon	29653/A	8192	DIP	18	2.1	-	-	-	-	-	-	2.1	-
AMD/MMI	53/6380	8192	DIP	24	2.8	-	-	-	-	-	-	2.8	-
AMD/MMI	53/6381	8192	DIP	24	2.8	-	-	-	-	-	-	2.8	-
AMD/MMI	53/6388	8192	DIP	18	2.8	-	-	-	-	-	-	2.8	-
AMD/MMI	53/6389	8192	DIP	18	2.8	-	-	-	-	-	-	2.8	-
AMD/MMI	53/63DA841	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
AMD/MMI	53/63RS881	8192	DIP	24	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2	-
AMD/MMI	53/63S840	8192	DIP	18	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2	-
AMD/MMI	53/63S841	8192	DIP	18	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2	-
AMD/MMI	53/63S881	8192	DIP	24	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2	-
AMD/MMI	63DA841	8192	PLCC	28	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2	-
AMD/MMI	63RS881	8192	PLCC	28	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2	-
AMD/MMI	63S841	8192	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2	-
AMD/MMI	63S881	8192	PLCC	28	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2	-
SGS-Thomson	71180	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
SGS-Thomson	71181	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
Fujitsu Micro	7127	8192	DIP	18	2.2	-	-	-	-	-	-	2.2	-
Fujitsu Micro	7128	8192	DIP	18	2.2	-	-	-	-	-	-	2.2	-
SGS-Thomson	71280	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
SGS-Thomson	71281	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
Fujitsu Micro	7129	8192	DIP	22	2.2	-	-	-	-	-	-	2.2	-
Fujitsu Micro	7130	8192	DIP	22	2.2	-	-	-	-	-	-	2.2	-
Fujitsu Micro	7131	8192	DIP	24	2.2	-	-	-	-	-	-	2.2	-
Fujitsu Micro	7132	8192	DIP	24	2.2	-	-	-	-	-	-	2.2	-
Fujitsu Micro	7154	8192	DIP	24	3.4	-	-	-	-	-	-	3.4	-
Fujitsu Micro	7232RA/RS	8192	DIP	24	2.5	-	-	-	-	-	-	2.5	-
Harris	7681	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
Motorola	7681	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
Motorola	7685	8192	DIP	18	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	77S180	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	77S181	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	77S184	8192	DIP	18	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	77S185	8192	DIP	18	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	77S280	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	77S281	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	77SR181	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	77SR183	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
Signetics	82HS187	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
Signetics	82HS187	8192	PLCC	28	-	3.0	-	-	-	-	-	3.0	-
Signetics	82HS189	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
Signetics	82HS189	8192	PLCC	28	-	3.0	-	-	-	-	-	3.0	-
Signetics	82S181	8192	DIP	24	1.4	-	1.0	48 DIP	1.0	48 DIP	1.0	1.4	-
Signetics	82S181	8192	PLCC	28	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.4	-
Signetics	82S183	8192	DIP	24	1.4	-	1.0	48 DIP	1.0	48 DIP	1.0	1.4	-
Signetics	82S183	8192	PLCC	28	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.5	-
Signetics	82S185	8192	DIP	18	1.4	-	1.0	48 DIP	1.0	48 DIP	1.0	1.4	-
Signetics	82S185	8192	PLCC	20	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	3.0	-
Signetics	82S2708	8192	DIP	24	1.4	-	1.0	48 DIP	1.0	48 DIP	1.0	1.4	-
National	87S180	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	87S181	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	87S184	8192	DIP	18	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	87S185	8192	DIP	18	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	87S280	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	87S281	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	87SR181	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
National	87SR183	8192	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
Fairchild	93451	8192	DIP	24	2.2	-	-	-	-	-	-	2.2	-
Fairchild	93Z451	8192	DIP	24	1.0	-	-	-	-	-	-	1.0	-
NEC	B407	8192	DIP	18	2.1	-	-	-	-	-	-	2.1	-
NEC	B408	8192	DIP	24	2.1	-	-	-	-	-	-	2.1	-
NEC	B417	8192	DIP	24	2.1	-	-	-	-	-	-	2.1	-
NEC	B427	8192	DIP	18	2.1	-	-	-	-	-	-	2.1	-
NEC	B428	8192	DIP	24	2.1	-	-	-	-	-	-	2.1	-
AMD/MMI	11P8	16384	DIP	24	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2	-
AMD/MMI	11RA8	16384	DIP	24	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2	-
AMD/MMI	11RS8	16384	DIP	24	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2	-
AMD/MMI	12P4	16384	DIP	20	2.2	-	1.0	48 DIP	1.1	48 DIP	1.0	2.2	-
AMD/MMI	27LS184	16384	DIP	18	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
AMD/MMI	27PS191	16384	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
AMD/MMI	27PS291	16384	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
AMD/MMI	27PS41	16384	DIP	20	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
AMD/MMI	27S190	16384	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
AMD/MMI	27S191	16384	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
AMD/MMI	27S191	16384	PLCC	28	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.2	-
AMD/MMI	27S290	16384	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
AMD/MMI	27S291	16384	DIP	24	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
AMD/MMI	27S40	16384	DIP	20	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
AMD/MMI	27S41	16384	DIP	20	2.2	-	1.0	48 DIP	1.0	48 DIP	1.0	2.2	-
AMD/MMI	27S45	16384	DIP	24	2.3	-	1.0	48 DIP	1.0	48 DIP	1.0	2.3	-
AMD/MMI	27S45	16384	PLCC	28	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.3	-
AMD/MMI	27S45A	16384	PLCC	28	-	3.1	1.0	P/LCC	1.2	P/LCC	1.0	3.1	-

**BOLD TYPE** in these columns denotes changed algorithms

**A**

**BOLD TYPE** in these columns denotes special certification by Data I/O and the device manufacturer

Manufacturer	Device	Array	Package	Pins	UniSite/8	UniSite/16	3900	3900Base/Adapter	2900	2900Base/Adapter	ProMaster	Handler/8	Handler/16
AMD/MMI	27S45SA	16384	DIP	24	2.3	-	1.0	48 DIP	1.2	48 DIP	1.0	2.3	-
AMD/MMI	27S45SA	16384	PLCC	28	-	3.0	1.0	P/LCC	1.2	P/LCC	1.0	2.5	-
AMD/MMI	27S45SA-L28	16384	LCC	28	-	3.0	1.0	P/LCC	1.2	P/LCC	1.0	-	-
AMD/MMI	27S45SA-L32	16384	LCC	32	-	3.0	1.0	P/LCC	1.2	P/LCC	1.0	-	-
AMD/MMI	27S47	16384	DIP	24	2.3	-	1.0	48 DIP	1.0	48 DIP	1.0	2.3	-
AMD/MMI	27S85	16384	DIP	24	2.1	-	1.0	48 DIP	1.0	48 DIP	1.0	2.1	-
AMD/MMI	27S85	16384	PLCC	28	-	3.0	1.0	P/LCC	1.1	P/LCC	1.0	2.1	-
TI	28S166	16384	DIP	24	1.0	-	1.0	48 DIP	1.0	48 DIP	1.0	1.0	-
TI	28SA166	16384	DIP	24	1.0	-	1.0	48 DIP	1.0	48 DIP	1.0	1.0	-
Raytheon	29681/A	16384	DIP	24	2.1	-	-	-	-	-	-	2.1	-
Raytheon	29681SM	16384	DIP	24	2.1	-	-	-	-	-	-	2.1	-
Raytheon	29683/A	16384	DIP	24	2.1	-	-	-	-	-	-	2.1	-
Raytheon	29683SM	16384	DIP	24	2.1	-	-	-	-	-	-	2.1	-
TI	34L162	16384	DIP	20	2.2	-	3.0	-	-	-	-	2.2	-
TI	34L162	16384	PLCC	20	-	3.0	-	-	-	-	-	2.2	-
TI	34R162	16384	DIP	20	2.2	-	-	-	-	-	-	2.2	-
TI	34S162	16384	DIP	20	2.2	-	-	-	-	-	-	2.2	-
TI	34S162	16384	PLCC	20	-	3.0	-	-	-	-	-	2.2	-
TI	34S16												

# INDEX

Manufacturer	Device	Section	Page	Manufacturer	Device	Section	Page	Manufacturer	Device	Section	Page	Manufacturer	Device	Section	Page
AMD/MMI	10020EG8	ECL PLDs	10B	AMD/MMI	20R4-5	TTL PLDs	9A	AMD/MMI	27LS19	TTL PROMs	20A	AMD/MMI	53/63S1641	TTL PROMs	21B
AMD/MMI	10020EV8	ECL PLDs	10B	AMD/MMI	20R4-7	TTL PLDs	9A	AMD/MMI	27LV020	EPROMs	16B	AMD/MMI	53/63S1681	TTL PROMs	21B
AMD/MMI	10H20EG8	ECL PLDs	10B	AMD/MMI	20R4A-ML	TTL PLDs	9A	AMD/MMI	27LV512	EPROMs	15B	AMD/MMI	53/63S1681J	TTL PROMs	21B
AMD/MMI	10H20GB	ECL PLDs	10B	AMD/MMI	20R4A/A-2/B/B-2	TTL PLDs	9A	AMD/MMI	27PS181	TTL PROMs	20C	AMD/MMI	53/63S240	TTL PROMs	20B
AMD/MMI	10H20PB	ECL PLDs	10B	AMD/MMI	20R4A/A-2/B/FN	TTL PLDs	9A	AMD/MMI	27PS184	TTL PROMs	20C	AMD/MMI	53/63S241	TTL PROMs	20B
AMD/MMI	10H20P8	ECL PLDs	10B	AMD/MMI	20R4A/A-2/B/NL	TTL PLDs	9A	AMD/MMI	27PS185	TTL PROMs	20C	AMD/MMI	53/63S280	TTL PROMs	20B
AMD/MMI	10H8-2	TTL PLDs	6A	AMD/MMI	20R4B-2-FN	TTL PLDs	9A	AMD/MMI	27PS191	TTL PROMs	21A	AMD/MMI	53/63S281	TTL PROMs	20B
AMD/MMI	10L8/-2	TTL PLDs	6A	AMD/MMI	20R4B-2-ML	TTL PLDs	9A	AMD/MMI	27PS281	TTL PROMs	20C	AMD/MMI	53/63S285	TTL PROMs	20B
AMD/MMI	10P4	TTL PROMs	20B	AMD/MMI	20R4B-2-NL	TTL PLDs	9A	AMD/MMI	27PS291	TTL PROMs	21A	AMD/MMI	53/63S3281	TTL PROMs	21C
AMD/MMI	10P8	TTL PROMs	20C	AMD/MMI	20R4B-ML	TTL PLDs	9A	AMD/MMI	27PS41	TTL PROMs	21A	AMD/MMI	53/63S440	TTL PROMs	20C
AMD/MMI	10R8	TTL PROMs	20C	AMD/MMI	20R6	TTL PLDs	9A	AMD/MMI	27S12	TTL PROMs	20A	AMD/MMI	53/63S441	TTL PROMs	20C
AMD/MMI	110	Complex PLDs	2A	AMD/MMI	20R6-10	TTL PLDs	9A	AMD/MMI	27S13	TTL PROMs	20A	AMD/MMI	53/63S480	TTL PROMs	20C
AMD/MMI	11P4	TTL PROMs	20C	AMD/MMI	20R6-4	TTL PLDs	9A	AMD/MMI	27S15	TTL PROMs	20B	AMD/MMI	53/63S481	TTL PROMs	20C
AMD/MMI	11P8	TTL PROMs	21A	AMD/MMI	20R6-5	TTL PLDs	9A	AMD/MMI	27S19	TTL PROMs	20A	AMD/MMI	53/63S485	TTL PROMs	20C
AMD/MMI	11R8	TTL PROMs	21A	AMD/MMI	20R6-7	TTL PLDs	9A	AMD/MMI	27S180	TTL PROMs	20C	AMD/MMI	53/63S840	TTL PROMs	21A
AMD/MMI	11RS8	TTL PROMs	21A	AMD/MMI	20R6A-ML	TTL PLDs	9A	AMD/MMI	27S181	TTL PROMs	20C	AMD/MMI	53/63S841	TTL PROMs	21A
AMD/MMI	120	Complex PLDs	2A	AMD/MMI	20R6A/A-2/B/B-2	TTL PLDs	9A	AMD/MMI	27S184	TTL PROMs	20C	AMD/MMI	53/63S881	TTL PROMs	21A
AMD/MMI	12H6/-2	TTL PLDs	6A	AMD/MMI	20R6A/A-2/B/FN	TTL PLDs	9A	AMD/MMI	27S185	TTL PROMs	20C	AMD/MMI	53RA1681	TTL PROMs	21A
AMD/MMI	12L10	TTL PLDs	6A	AMD/MMI	20R6A/A-2/B/NL	TTL PLDs	9A	AMD/MMI	27S19	TTL PROMs	20A	AMD/MMI	5P16	TTL PROMs	20B
AMD/MMI	12L10-FN	TTL PLDs	6A	AMD/MMI	20R6B-2-FN	TTL PLDs	9A	AMD/MMI	27S190	TTL PROMs	21A	AMD/MMI	5P8/A	TTL PROMs	20A
AMD/MMI	12L10-ML	TTL PLDs	6A	AMD/MMI	20R6B-2-NL	TTL PLDs	9A	AMD/MMI	27S191	TTL PROMs	21A	AMD/MMI	63D1641	TTL PROMs	21B
AMD/MMI	12L10-NL	TTL PLDs	6A	AMD/MMI	20R6B-ML	TTL PLDs	9A	AMD/MMI	27S20	TTL PROMs	20A	AMD/MMI	63DA841	TTL PROMs	21A
AMD/MMI	12L6/-2	TTL PLDs	6A	AMD/MMI	20R8	TTL PLDs	9A	AMD/MMI	27S21	TTL PROMs	20A	AMD/MMI	63RA1681	TTL PROMs	21B
AMD/MMI	12P4	TTL PROMs	21A	AMD/MMI	20R8-10	TTL PLDs	9A	AMD/MMI	27S23/A	TTL PROMs	20A	AMD/MMI	63RA481	TTL PROMs	20C
AMD/MMI	12P8	TTL PROMs	21B	AMD/MMI	20R8-4	TTL PLDs	9B	AMD/MMI	27S25	TTL PROMs	20B	AMD/MMI	63RS1681	TTL PROMs	21B
AMD/MMI	130	Complex PLDs	2A	AMD/MMI	20R8-5	TTL PLDs	9B	AMD/MMI	27S26	TTL PROMs	20B	AMD/MMI	63RS881	TTL PROMs	21A
AMD/MMI	14H4/-2	TTL PLDs	6A	AMD/MMI	20R8-7	TTL PLDs	9B	AMD/MMI	27S27	TTL PROMs	20B	AMD/MMI	63S080	TTL PROMs	20A
AMD/MMI	14L4/-2	TTL PLDs	6A	AMD/MMI	20R8A-ML	TTL PLDs	9B	AMD/MMI	27S28	TTL PROMs	20B	AMD/MMI	63S081	TTL PROMs	20A
AMD/MMI	14L8	TTL PLDs	6A	AMD/MMI	20R8A/A-2/B/B-2	TTL PLDs	9B	AMD/MMI	27S280	TTL PROMs	20C	AMD/MMI	63S140	TTL PROMs	20A
AMD/MMI	14L8-FN	TTL PLDs	6A	AMD/MMI	20R8A/A-2/B/FN	TTL PLDs	9B	AMD/MMI	27S281	TTL PROMs	20C	AMD/MMI	63S141	TTL PROMs	20A
AMD/MMI	14L8-NL	TTL PLDs	6A	AMD/MMI	20R8A/A-2/B/NL	TTL PLDs	9B	AMD/MMI	27S29	TTL PROMs	20B	AMD/MMI	63S1641	TTL PROMs	21B
AMD/MMI	16A4	TTL PLDs	7A	AMD/MMI	20R8B-2-FN	TTL PLDs	9B	AMD/MMI	27S290	TTL PROMs	21A	AMD/MMI	63S1681	TTL PROMs	21B
AMD/MMI	16C1/-2	TTL PLDs	6A	AMD/MMI	20R8B-2-NL	TTL PLDs	9B	AMD/MMI	27S291	TTL PROMs	21A	AMD/MMI	63S240	TTL PROMs	20B
AMD/MMI	16H2/-2	TTL PLDs	6A	AMD/MMI	20R8B-ML	TTL PLDs	9B	AMD/MMI	27S30	TTL PROMs	20B	AMD/MMI	63S241	TTL PROMs	20B
AMD/MMI	16H8	TTL PLDs	7A	AMD/MMI	20R9-10	TTL PLDs	9B	AMD/MMI	27S31	TTL PROMs	20B	AMD/MMI	63S280	TTL PROMs	20B
AMD/MMI	16HDB	TTL PLDs	7A	AMD/MMI	20R9A-10-FN	TTL PLDs	9B	AMD/MMI	27S32	TTL PROMs	20B	AMD/MMI	63S281	TTL PROMs	20B
AMD/MMI	16L2/-2	TTL PLDs	6A	AMD/MMI	20R9A10-NL	TTL PLDs	9B	AMD/MMI	27S33	TTL PROMs	20B	AMD/MMI	63S3281	TTL PROMs	21C
AMD/MMI	16L6	TTL PLDs	6A	AMD/MMI	20R9-10	TTL PLDs	9B	AMD/MMI	27S35	TTL PROMs	20C	AMD/MMI	63S440	TTL PROMs	20C
AMD/MMI	16L6-NL	TTL PLDs	6B	AMD/MMI	20R9A	TTL PLDs	9B	AMD/MMI	27S37	TTL PROMs	20C	AMD/MMI	63S441	TTL PROMs	20C
AMD/MMI	16L8-4	TTL PLDs	7A	AMD/MMI	20R9B	TTL PLDs	9B	AMD/MMI	27S40	TTL PROMs	21A	AMD/MMI	63S480	TTL PROMs	20C
AMD/MMI	16L8-5	TTL PLDs	7A	AMD/MMI	20R9B-2	TTL PLDs	9B	AMD/MMI	27S41	TTL PROMs	21A	AMD/MMI	63S481	TTL PROMs	20C
AMD/MMI	16L8-7	TTL PLDs	7A	AMD/MMI	20R9S10	TTL PLDs	9B	AMD/MMI	27S43	TTL PROMs	21B	AMD/MMI	63S481	TTL PROMs	21A
AMD/MMI	16L8/A/A-2/A-4	TTL PLDs	7A	AMD/MMI	20R9S10-NL	TTL PLDs	9B	AMD/MMI	27S45	TTL PROMs	21A	AMD/MMI	63S881	TTL PROMs	21A
AMD/MMI	16L8/A/B	TTL PLDs	7A	AMD/MMI	20R9S4	TTL PLDs	9B	AMD/MMI	27S45A	TTL PROMs	21A	AMD/MMI	6L16A	TTL PLDs	6A
AMD/MMI	16L8B	TTL PLDs	7A	AMD/MMI	20R9S4-NL	TTL PLDs	9B	AMD/MMI	27S45A-L32	TTL EPROMs	18A	AMD/MMI	6L16A-NL	TTL PLDs	6A
AMD/MMI	16L8B-2/B-4	TTL PLDs	7A	AMD/MMI	20R9S8	TTL PLDs	9B	AMD/MMI	27S45SA	TTL PROMs	21B	AMD/MMI	6P16	TTL PROMs	20A
AMD/MMI	16L8D	TTL PLDs	7A	AMD/MMI	20R9S8-NL	TTL PLDs	9B	AMD/MMI	27S45SA-L28	TTL PROMs	21B	AMD/MMI	8751H	Microcontrollers	11B
AMD/MMI	16L8H-10	TTL PLDs	7A	AMD/MMI	20S10	TTL PLDs	9B	AMD/MMI	27S45SA-L32	TTL PROMs	21B	AMD/MMI	8753H	Microcontrollers	11B
AMD/MMI	16L8H-15	TTL PLDs	7B	AMD/MMI	20S10-NL	TTL PLDs	9B	AMD/MMI	27S47	TTL PROMs	21B	AMD/MMI	87C51	Microcontrollers	11B
AMD/MMI	16L8PB	TTL PLDs	7B	AMD/MMI	20X10	TTL PLDs	6B	AMD/MMI	27S49	TTL PROMs	21C	AMD/MMI	87C52	Microcontrollers	11B
AMD/MMI	16LD8	TTL PLDs	7B	AMD/MMI	20X10-ML	TTL PLDs	6B	AMD/MMI	27S49A	TTL PROMs	21C	AMD/MMI	87C52T2	Microcontrollers	11B
AMD/MMI	16P8A	TTL PLDs	8A	AMD/MMI	20X10-NL	TTL PLDs	6B	AMD/MMI	27S49A/B-L28	TTL PROMs	21C	AMD/MMI	87C541	Microcontrollers	12A
AMD/MMI	16R4-4	TTL PLDs	7B	AMD/MMI	20X10A	TTL PLDs	6B	AMD/MMI	27S49SA	TTL PROMs	21C	AMD/MMI	8L14A	TTL PLDs	6A
AMD/MMI	16R4-5	TTL PLDs	7B	AMD/MMI	20X10A-FN	TTL PLDs	6B	AMD/MMI	27S51	TTL PROMs	21C	AMD/MMI	8L14A-FN	TTL PLDs	6A
AMD/MMI	16R4-7	TTL PLDs	7B	AMD/MMI	20X10A-NL	TTL PLDs	6B	AMD/MMI	27S65	TTL PROMs	20B	AMD/MMI	8L14A-NL	TTL PLDs	6A
AMD/MMI	16R4/A/A-2/A-4	TTL PLDs	7B	AMD/MMI	20X4	TTL PLDs	6B	AMD/MMI	27S75	TTL PROMs	20C	AMD/MMI	8P8	TTL PROMs	20B
AMD/MMI	16R4/A/B	TTL PLDs	7B	AMD/MMI	20X4-ML	TTL PLDs	6B	AMD/MMI	27S85	TTL PROMs	21B	AMD/MMI	9708	EPROMs	14A
AMD/MMI	16R4B	TTL PLDs	7B	AMD/MMI	20X4-NL	TTL PLDs	6B	AMD/MMI	2817A	EPROMs	17A	AMD/MMI	9732	EPROMs	14A
AMD/MMI	16R4B-2/B-4	TTL PLDs	7B	AMD/MMI	20X4A	TTL PLDs	6B	AMD/MMI	2864A	EPROMs	17A	AMD/MMI	9864	EPROMs	17A
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AMD/MMI	16R4H-10	TTL PLDs	7B	AMD/MMI	20X4A-NL	TTL PLDs	6B	AMD/MMI	2864B	EPROMs	17A	AMD/MMI	9P8	EPROMs	17A
AMD/MMI	16R4H-15	TTL PLDs	7B	AMD/MMI	20X8	TTL PLDs	6B	AMD/MMI	2864BE	EPROMs	17B	AMD/MMI	9R8	EPROMs	17A
AMD/MMI	16R6-4	TTL PLDs	7B	AMD/MMI	20X8-ML	TTL PLDs	7A	AMD/MMI	28F010	Flash Memories	13A	AMD/MMI	9R8	EPROMs	17A
AMD/MMI	16R6-5	TTL PLDs	7B	AMD/MMI	20X8-NL	TTL PLDs	7A	AMD/MMI	28F020	Flash Memories	13A	AMD/MMI	C16L8Q	CMOS PLDs	4A
AMD/MMI	16R6-7	TTL PLDs	7B	AMD/MMI	20X8A	TTL PLDs	7A	AMD/MMI	28F256	Flash Memories	13A	AMD/MMI	C16L8Z	CMOS PLDs	4A
AMD/MMI	16R6/A/A-2/A-4	TTL PLDs	7B	AMD/MMI	20X8A-FN	TTL PLDs	7A	AMD/MMI	28F512	Flash Memories	13A	AMD/MMI	C16R4Q	CMOS PLDs	4A
AMD/MMI	16R6/A/B	TTL PLDs	7B	AMD/MMI	20X8A-NL	TTL PLDs	7A	AMD/MMI	28F512-P1	Flash Memories	13A	AMD/MMI	C16R4Z	CMOS PLDs	4A
AMD/MMI	16R6B	TTL PLDs	7B	AMD/MMI	20XR10	TTL PLDs	10A	AMD/MMI	2971	TTL PLDs	10A	AMD/MMI	C16R6Q	CMOS PLDs	4A
AMD/MMI	16R6B-2/B-4	TTL PLDs	7B	AMD/MMI	20XR4P	TTL PLDs	10A	AMD/MMI	2974	TTL PROMs	20B	AMD/MMI	C16R6Z	CMOS PLDs	4A
AMD/MMI	16R6D	TTL PLDs	8A	AMD/MMI	20XRP6	TTL PLDs	10A	AMD/MMI	29CPL141	CMOS PLDs	5B	AMD/MMI	C16R8Q	CMOS PLDs	4A
AMD/MMI	16R6H-10	TTL PLDs	8A	AMD/MMI	20XRP8	TTL PLDs	10A	AMD/MMI	29CPL142	CMOS PLDs	5B	AMD/MMI	C16R8Z	CMOS PLDs	4A
AMD/MMI	16R6H-15	TTL PLDs	8A	AMD/MMI	210	Complex PLDs	2A	AMD/MMI	29CPL144	CMOS PLDs	5B	AMD/MMI	C18U8	CMOS PLDs	4B
AMD/MMI	16R8-4	TTL PLDs	8A	AMD/MMI	220	Complex PLDs	2A	AMD/MMI	29CPL151	CMOS PLDs	5B	AMD/MMI	C20L8Z	CMOS PLDs	4B
AMD/MMI	16R8-5	TTL PLDs	8A	AMD/MMI	22IP6	Complex PLDs	9B	AMD/MMI	29CPL152	CMOS PLDs	5B	AMD/MMI	C20R4Z	CMOS PLDs	4B
AMD/MMI	16R8-7	TTL PLDs	8A	AMD/MMI	22P10	TTL PLDs	10A	AMD/MMI	29CPL154	CMOS PLDs	5B	AMD/MMI	C20R6Z	CMOS PLDs	4B
AMD/MMI	16R8/A/A-2/A-4	TTL PLDs	8A	AMD/MMI	22R8/A	TTL PLDs	10A	AMD/MMI	29LPL141	TTL PLDs	10A	AMD/MMI	C20R8Z	CMOS PLDs	4B
AMD/MMI	16R8/A/B	TTL PLDs	8A	AMD/MMI	22R8/A-FN	TTL PLDs	10A	AMD/MMI	29PL141	TTL PLDs	10A	AMD/MMI	C20R10Z	CMOS PLDs	5A
AMD/MMI	16R8B	TTL PLDs	8A	AMD/MMI	22R8/A-NL	TTL PLDs	10A	AMD/MMI	29PL142	TTL PLDs	10A	AMD/MMI	C20V10Z	CMOS PLDs	5A
AMD/MMI	16R8B-2/B-4	TTL PLDs	8A	AMD/MMI	22R8B-15	TTL PLDs	10A	AMD/MMI	30K12	TTL PLDs	10A	AMD/MMI	CE167	EEPROMs	3B
AMD/MMI	16R8D	TTL PLDs	8A	AMD/MMI	22V10/A/B	TTL PLDs	10A	AMD/MMI	30S16	TTL PLDs	10A	AMD/MMI	CE168	EEPROMs	3B
AMD/MMI	16R8H-10	TTL PLDs	8A	AMD/MMI	22X10	TTL PLDs	10A	AMD/MMI	32R16	TTL PLDs	10A	AMD/MMI	CE168H-10/4	EEPROMs	3A
AMD/MMI	16R8H-15	TTL PLDs	8A	AMD/MMI	230	Complex PLDs	2A	AMD/MMI	32VX10/A	TTL PLDs	10A	AMD/MMI	CE168H-25/4	EEPROMs	3A
AMD/MMI	16R8PB	TTL PLDs	8A	AMD/MMI	23S8	TTL PLDs	10A	AMD/MMI	53/6300	TTL PROMs	20A	AMD/MMI	CE168HD	EEPROMs	3A
AMD/MMI	16RA8	TTL PLDs	8A	AMD/MMI	2708	EPROMs	14A	AMD/MMI	53/6301	TTL PROMs	20A	AMD/MMI	CE16V8Z	EEPROMs	3A
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Cypress	7C245A	TTL EPROMs	18B	Fujitsu Micro	7138	TTL PROMs	21B	Intel	637A01X0	Microcontrollers	11A	Microchip	85C72	Serial EPROMs	19A
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Cypress	7C266	TTL EPROMs	18A	Fujitsu Micro	7154	TTL PROMs	21A	Intel	637B05V0	Microcontrollers	11A	Mitsubishi Elec.	2708	EPROMs	14A
Cypress	7C268	TTL EPROMs	18A	Fujitsu Micro	71A38	TTL PROMs	21B	Intel	637B05Z0	Microcontrollers	11B	Mitsubishi Elec.	27128	EPROMs	14B
Cypress	7C269	TTL EPROMs	18A	Fujitsu Micro	71C256	TTL EPROMs	18B	Intel	647180X	Microcontrollers	12A	Mitsubishi Elec.	2716	EPROMs	14A
Cypress	7C271	TTL EPROMs	18B	Fujitsu Micro	71C44	TTL PROMs	21C	Intel	6473258	Microcontrollers	12A	Mitsubishi Elec.	27256	EPROMs	15A
Cypress	7C274	TTL EPROMs	18B	Fujitsu Micro	71C46	TTL PROMs	21C	Intel	6473258	Microcontrollers	12A	Mitsubishi Elec.	2732	EPROMs	14A
Cypress	7C277	TTL EPROMs	18B	Fujitsu Micro	7226RA/RS	TTL PROMs	20C	Intel	6473308	Microcontrollers	12A	Mitsubishi Elec.	27401A	EPROMs	16B
Cypress	7C279	TTL EPROMs	18B	Fujitsu Micro	7232RA/RS	TTL PROMs	21A	Intel	6475208	Microcontrollers	12A	Mitsubishi Elec.	27512	EPROMs	15B
Cypress	7C281	TTL EPROMs	18A	Fujitsu Micro	7238RA/RS	TTL PROMs	21B	Intel	7C29328	Microcontrollers	12A	Mitsubishi Elec.	2764	EPROMs	14A
Cypress	7C282	TTL EPROMs	18A	Fujitsu Micro	8516	EPROMs	14A	Intel	817820	Microcontrollers	12A	Mitsubishi Elec.	27C100	EPROMs	16A
Cypress	7C285	TTL EPROMs	18B	Fujitsu Micro	8532	EPROMs	14A	Intel	8178232	Microcontrollers	12A	Mitsubishi Elec.	27C100-PG	EPROMs	16A
Cypress	7C286	TTL EPROMs	18B	Fujitsu Micro	8541P	Serial EPROMs	19A	Hyundai	153	EECMOS PLDs	3A	Mitsubishi Elec.	27C101-PG	EPROMs	16A
Cypress	7C287	TTL EPROMs	18B	Fujitsu Micro	8742H/N	Microcontrollers	11A	Hyundai	173	EECMOS PLDs	3A	Mitsubishi Elec.	27C102-PG	EPROMs	16A
Cypress	7C289	TTL EPROMs	18B	Fujitsu Micro	8749H	Microcontrollers	11A	Hyundai	1800	CMOS PLDs	5B	Mitsubishi Elec.	27C102-PH	EPROMs	16A
Cypress	7C291	TTL EPROMs	18A	Fujitsu Micro	98A608A	Memory Cards	12B	Hyundai	18CV8	EECMOS PLDs	3A	Mitsubishi Elec.	27C128	EPROMs	14B
Cypress	7C291A	TTL EPROMs	18A	Fujitsu Micro	98A609A	Memory Cards	12B	Hyundai	22CV10	EECMOS PLDs	3B	Mitsubishi Elec.	27C201	EPROMs	16B
Cypress	7C292	TTL EPROMs	18A	Fujitsu Micro	98A610A	Memory Cards	12B	Hyundai	253	EECMOS PLDs	3A	Mitsubishi Elec.	27C201-PG	EPROMs	16B
Cypress	7C292A	TTL EPROMs	18B	Fujitsu Micro	MB98A6070	Memory Cards	12B	Hyundai	273	EECMOS PLDs	3B	Mitsubishi Elec.	27C202	EPROMs	16A
Cypress	7C293A	TTL EPROMs	18A	Fujitsu Micro	MB98A6080	Memory Cards	12B	Hyundai	27C54	Serial EPROMs	19A	Mitsubishi Elec.	27C202-PG	EPROMs	16B
Cypress	7C330	CMOS PLDs	5B	Fujitsu Micro	MB98A6090	Memory Cards	12B	Integrated Device	28C16A	CMOS PLDs	17A	Mitsubishi Elec.	27C256	EPROMs	15A
Cypress	7C331	CMOS PLDs	5B	Fujitsu Micro	MB98A6100	Memory Cards	12B	Intel	22V10	CMOS PLDs	5A	Mitsubishi Elec.	27C256A	EPROMs	15A
Cypress	7C332	CMOS PLDs	5B	Gazelle	22V10	TTL PLDs	10A	Intel	27010	EPROMs	15B	Mitsubishi Elec.	27C401	EPROMs	16B
Cypress	7C342	Complex PLDs	2A	Gazelle	22VP10	TTL PLDs	10A	Intel	27011	EPROMs	16A	Mitsubishi Elec.	27C402	EPROMs	16B
Cypress	7C343	Complex PLDs	2A	Gazelle	2358	TTL PLDs	10A	Intel	27128	EPROMs	14B	Mitsubishi Elec.	27C402	EPROMs	16B
Cypress	7C344	Complex PLDs	2A	Gazelle	235V8	TTL PLDs	10A	Intel	27128A	EPROMs	14B	Mitsubishi Elec.	27C512A	EPROMs	15B
Cypress	7C361	CMOS PLDs	5B	Gazelle	405	TTL PLDs	10A	Intel	27128A-M+	EPROMs	14B	Mitsubishi Elec.	28C64A	EEPROMs	17B
EXEL	2804	EEPROMs	17A	Goldstar	57HC64	EPROMs	14B	Intel	27128B	EPROMs	14B	Mitsubishi Elec.	28F101	Flash Memories	13A
EXEL	2804A	EEPROMs	17A	Gould	153	EECMOS PLDs	3A	Intel	27128B+	EPROMs	14B	Mitsubishi Elec.	28F102	Flash Memories	13A
EXEL	2817A	EEPROMs	17A	Gould	18CV8	EECMOS PLDs	3A	Intel	2716	EPROMs	14A	Mitsubishi Elec.	3128-M6	Memory Cards	12B
EXEL	2864A	EEPROMs	17A	Gould	20CG10	EECMOS PLDs	3B	Intel	27210	EPROMs	16A	Mitsubishi Elec.	3128-M7	Memory Cards	12B
EXEL	2865A	EEPROMs	17B	Gould	22CV10	EECMOS PLDs	3B	Intel	27256	EPROMs	15A	Mitsubishi Elec.	31M0-M6	Memory Cards	12B
EXEL	28C16A	EEPROMs	17A	Gould	22CV10Z	EECMOS PLDs	3B	Intel	27256-M+	EPROMs	15A	Mitsubishi Elec.	31M0-M7	Memory Cards	12B
EXEL	46C15	EEPROMs	17A	Gould	253	EECMOS PLDs	3A	Intel	2732	EPROMs	14A	Mitsubishi Elec.	3256-M6	Memory Cards	12B
EXEL	46C16	EEPROMs	17A	Gould	273	EECMOS PLDs	3B	Intel	2732A	EPROMs	14A	Mitsubishi Elec.	3256-M7	Memory Cards	12B
EXEL	78C800	Complex PLDs	2A	Harris	16LC8	CMOS PLDs	4A	Intel	2732A	EPROMs	14A	Mitsubishi Elec.	3256-M6	Memory Cards	12B
EXEL	93C46	Serial EPROMs	19A	Harris	16LC8L	CMOS PLDs	4A	Intel	2732A	EPROMs	14A	Mitsubishi Elec.	32M0-M6	Memory Cards	12B
Fairchild	16L8	TTL PLDs	7A	Harris	16PC8	CMOS PLDs	4A	Intel	2732A	EPROMs	14A	Mitsubishi Elec.	32M0-M7	Memory Cards	12B
Fairchild	16R8	TTL PLDs	8A	Harris	16PC8L	CMOS PLDs	4B	Intel	2764A-M+	EPROMs	14A	Mitsubishi Elec.	3512-M7	Memory Cards	12B
Fairchild	16R8	TTL PLDs	7B	Harris	16RC4L	CMOS PLDs	4B	Intel	2764A	EPROMs	14A	Mitsubishi Elec.	37410E6FP	Microcontrollers	11B
Fairchild	16R8	TTL PLDs	7B	Harris	16RC6L	CMOS PLDs	4B	Intel	27764	EPROMs	16A	Mitsubishi Elec.	37450E4	Microcontrollers	11B
Fairchild	16R8	TTL PLDs	8A	Harris	16RC6L	CMOS PLDs	4B	Intel	27C010A	EPROMs	16A	Mitsubishi Elec.	37450E8	Microcontrollers	11B
Fairchild	16RP4	TTL PLDs	8A	Harris	16RC8L	CMOS PLDs	4B	Intel	27C011	EPROMs	16A	Mitsubishi Elec.	37471E8	Microcontrollers	11B
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Mitsubishi Plas.	1024EP1HC25	Memory Cards	12B	NEC	B417	TTL PROMs	21A	National	20R6A-V	TTL PLDs	9A	National	77SR476	TTL PROMs	20C	Ricoh	242	CMOS PLDs	5A
Motorola	10139	ECL PROMs	13B	NEC	B419	TTL PROMs	21B	National	20R6A-XV	TTL PLDs	9A	National	77X288	TTL PROMs	20A	Ricoh	27C256	EPROMs	15A
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Motorola	2816	EPROMs	17A	NEC	B426	TTL PROMs	20C	National	20R8-5	TTL PLDs	9B	National	87S184	TTL PROMs	21A	Rockwell	87C64	EPROMs	14B
Motorola	67256	EPROMs	15B	NEC	B427	TTL PROMs	21A	National	20R8-7	TTL PLDs	9B	National	87S185	TTL PROMs	21A	SEEQ	20RA10Z	EEPROMs	3B
Motorola	67259	EPROMs	15B	NEC	B428	TTL PROMs	21A	National	20R8A	TTL PLDs	9B	National	87S190	TTL PROMs	21B	SEEQ	26V12	EEPROMs	3B
Motorola	68701	Microcontrollers	11A	NEC	B429	TTL PROMs	21B	National	20R8A-V	TTL PLDs	9B	National	87S191	TTL PROMs	21B	SEEQ	27128	EPROMs	14B
Motorola	68701U4	Microcontrollers	11A	NEC	B431	TTL PROMs	21B	National	20R8A-XV	TTL PLDs	9B	National	87S280	TTL PROMs	21A	SEEQ	27256	EPROMs	15A
Motorola	68704P2	Microcontrollers	11A	National	10012C4	ECL PLDs	10B	National	20R8B	TTL PLDs	9B	National	87S281	TTL PROMs	21A	SEEQ	2764	EPROMs	14A
Motorola	68705F2	Microcontrollers	11A	National	10016C4	ECL PLDs	10B	National	20R8B-V	TTL PLDs	9B	National	87S290	TTL PROMs	21B	SEEQ	27C256	EPROMs	15A
Motorola	68705G2	Microcontrollers	11A	National	10016P4	ECL PLDs	10B	National	20R8B-XV	TTL PLDs	9B	National	87S291	TTL PROMs	21B	SEEQ	2804A	EEPROMs	17A
Motorola	68705P3	Microcontrollers	11A	National	10016P8	ECL PLDs	10B	National	20R8D	TTL PLDs	9B	National	87S421	TTL PROMs	21C	SEEQ	2816A	EEPROMs	17A
Motorola	68705P5	Microcontrollers	11A	National	10016PE8	ECL PLDs	10B	National	20RA10	EEPROMs PLDs	3B	National	87SR181	TTL PROMs	21A	SEEQ	2816AH	EEPROMs	17A
Motorola	68705R3	Microcontrollers	11A	National	10016RD8	ECL PLDs	10B	National	20RA10-V	TTL PLDs	9B	National	87SR183	TTL PROMs	21A	SEEQ	2817A	EEPROMs	17A
Motorola	68705R5	Microcontrollers	11A	National	10016R4	ECL PLDs	10B	National	20RA10-XV	TTL PLDs	9B	National	87SR193	TTL PROMs	21B	SEEQ	2817AH	EEPROMs	17A
Motorola	68705S3	Microcontrollers	11A	National	10016RP4	ECL PLDs	10B	National	20RA10-UES	EEPROMs PLDs	3B	National	87SR193	TTL PROMs	21B	SEEQ	2864	EEPROMs	17A
Motorola	68705SS-A20T	Microcontrollers	12A	National	1012C4	ECL PLDs	10B	National	20RA10UES	EEPROMs PLDs	3B	National	87SR25	TTL PROMs	20C	SEEQ	2864H	EEPROMs	17B
Motorola	68705U3	Microcontrollers	11A	National	1016C4	ECL PLDs	10B	National	20RP4B	TTL PLDs	9B	National	87SR474	TTL PROMs	20C	SEEQ	2864H	EEPROMs	17B
Motorola	68705U5	Microcontrollers	11A	National	1016P4	ECL PLDs	10B	National	20RP6B	TTL PLDs	9B	National	87SR476	TTL PROMs	20C	SEEQ	28C256	EEPROMs	17B
Motorola	68708	EPROMs	14A	National	1016P8	ECL PLDs	10B	National	20RP8B	TTL PLDs	9B	National	87X288	TTL PROMs	20A	SEEQ	28C256A	EEPROMs	17B
Motorola	68764	EPROMs	14B	National	1016PE8	ECL PLDs	10B	National	20V8	EEPROMs PLDs	3A	National	9346	Serial EPROMs	19A	SEEQ	28C64	EEPROMs	17B
Motorola	68766	EPROMs	14B	National	1016RD8	ECL PLDs	10B	National	20V8-10	EEPROMs PLDs	3A	National	93C06	Serial EPROMs	19A	SEEQ	28C65	EEPROMs	17B
Motorola	68769	EPROMs	14B	National	1016RM4	ECL PLDs	10B	National	20V8-7	EEPROMs PLDs	3A	National	93C46	Serial EPROMs	19A	SEEQ	36C16	EEPROMs	17A
Motorola	68HC11A1	Microcontrollers	11A	National	1016RP4	ECL PLDs	10B	National	20V8A/QS	EEPROMs PLDs	3A	National	93C46	Serial EPROMs	19A	SEEQ	36C16B	EEPROMs	17A
Motorola	68HC11A1-FN	Microcontrollers	11A	National	1016R2	ECL PROMs	13B	National	20V8A/UES	EEPROMs PLDs	3A	National	93C56	Serial EPROMs	19A	SEEQ	38C32	EEPROMs	17A
Motorola	68HC11A2	Microcontrollers	11B	National	10H8/A/2	TTL PLDs	6A	National	20V8UES	EEPROMs PLDs	3A	National	93CS06	Serial EPROMs	19A	SEEQ	47F010	Flash Memories	13A
Motorola	68HC705B5	Microcontrollers	11B	National	10H8/A2	TTL PLDs	6A	National	20X10	TTL PLDs	6B	National	93CS46	Serial EPROMs	19A	SEEQ	47F512	Flash Memories	13A
Motorola	68HC705C8	Microcontrollers	11A	National	10L8/A/2	TTL PLDs	6A	National	20X10-A/2	TTL PLDs	6B	National	93CS66	Serial EPROMs	19A	SEEQ	48F128	EEPROMs	17B
Motorola	68HC705C8-FN	Microcontrollers	11A	National	10L8/A2	TTL PLDs	6A	National	20X10A	TTL PLDs	6B	National	93Z665	ECL PROMs	13B	SEEQ	48F010	Flash Memories	13A
Motorola	68HC705C9	Microcontrollers	11A	National	12H6/A/2	TTL PLDs	6A	National	20X10A-V	TTL PLDs	6B	National	93Z667	ECL PROMs	13B	SEEQ	48F512	Flash Memories	13A
Motorola	68HC705D9	Microcontrollers	11B	National	12H6/A2	TTL PLDs	6A	National	20X4	TTL PLDs	6B	National	9716	EEPROMs	17A	SEEQ	5133	EPROMs	14B
Motorola	68HC705J2	Microcontrollers	11A	National	12L10/A	TTL PLDs	6A	National	20X4-V	TTL PLDs	6B	National	9816A	EEPROMs	17A	SEEQ	5143	EPROMs	14B
Motorola	68HC705P9	Microcontrollers	11A	National	12L10/A-V	TTL PLDs	6A	National	20X4-XV	TTL PLDs	6B	National	9817	EEPROMs	17A	SEEQ	52B13	EEPROMs	17A
Motorola	68HC711D3	Microcontrollers	11A	National	12L10/A-XV	TTL PLDs	6A	National	20X4A	TTL PLDs	6B	National	9817A	EEPROMs	17A	SEEQ	52B13H	EEPROMs	17A
Motorola	68HC711E9	Microcontrollers	11B	National	12L6/A/2	TTL PLDs	6A	National	20X4A-V	TTL PLDs	6B	National	COP842	Microcontrollers	11A	SEEQ	52B33	EEPROMs	17B
Motorola	68HC805B6-FN	Microcontrollers	11B	National	12L6/A2	TTL PLDs	6A	National	20X4A-XV	TTL PLDs	6B	National	COP8640	Microcontrollers	11A	SEEQ	52B33H	EEPROMs	17B
Motorola	68HC805C4	Microcontrollers	11B	National	14H4/A/2	TTL PLDs	6A	National	20X8	TTL PLDs	6B	National	COP8742C	Microcontrollers	12A	SEEQ	5516A	EEPROMs	17A
Motorola	68HC805C4-FN	Microcontrollers	11B	National	14H4/A2	TTL PLDs	6A	National	20X8-XV	TTL PLDs	7A	National	COP8780C	Microcontrollers	12A	SEEQ	5517A	EEPROMs	17A
Motorola	68HC811A2	Microcontrollers	11A	National	14L4/A/2	TTL PLDs	6A	National	20X8A	TTL PLDs	7A	National	COP8781C	Microcontrollers	12A	SEEQ	5517AH	EEPROMs	17A
Motorola	68HC811A2-FN	Microcontrollers	11A	National	14L4/A2	TTL PLDs	6A	National	20X8A-V	TTL PLDs	7A	National	COP88A	Microcontrollers	11B	SGS-Thomson	16V8/AS	EEPROMs	3A
Motorola	68HC811E2	Microcontrollers	12A	National	14L8/A	TTL PLDs	6A	National	20X8A-XV	TTL PLDs	7A	National	COP881	Microcontrollers	11B	SGS-Thomson	16V8S	EEPROMs	3A
Motorola	68HC811E2-FN	Microcontrollers	11A	National	14L8/A-V	TTL PLDs	6A	National	22V10	EEPROMs PLDs	3B	National	COP884	Microcontrollers	11B	SGS-Thomson	16Z8	EEPROMs	3A
Motorola	76161	TTL PROMs	21B	National	14L8/A-XV	TTL PLDs	6A	National	22V10UES	EEPROMs PLDs	3B	National	COP888	Microcontrollers	11B	SGS-Thomson	20V8/AS	EEPROMs	3A
Motorola	7621	TTL PROMs	20B	National	16C1/A/2	TTL PLDs	6A	National	2532	EPROMs	14A	National	HPC46083	Microcontrollers	12A	SGS-Thomson	20V8/AS-J	EEPROMs	3A
Motorola	7641	TTL PROMs	20C	National	16C1/A2	TTL PLDs	6A	National	2708	EPROMs	14A	National	HPC46706	Microcontrollers	12A	SGS-Thomson	24C01B	Serial EPROMs	19A
Motorola	7643	TTL PROMs	20C	National	16H2/A/2	TTL PLDs	6A	National	2716	EPROMs	14A	National	MAPL128	Complex PLDs	2A	SGS-Thomson	24C02A	Serial EPROMs	19A
Motorola	7681	TTL PROMs	21A	National	16H2/A2	TTL PLDs	6A	National	2732	EPROMs	14A	National	MAPL144	Complex PLDs	2A	SGS-Thomson	24C04A	Serial EPROMs	19A
Motorola	7685	TTL PROMs	21A	National	16L2/A/2	TTL PLDs	6A	National	2758A	EPROMs	14A	OKI	271000	EPROMs	16A	SGS-Thomson	24C08B	Serial EPROMs	19A
Motorola	TMS2716	EPROMs	14A	National	16L2/A2	TTL PLDs	6A	National	2758B	EPROMs	14A	OKI	27128	EPROMs	14B	SGS-Thomson	2532	Serial EPROMs	19A
NEC	27128	EPROMs	14B	National	16L6/A	TTL PLDs	6B	National	27C010	EPROMs	16A	OKI	27128A	EPROMs	14B	SGS-Thomson	25C02A	Serial EPROMs	19A
NEC	2716	EPROMs	14A	National	16L6/A-V	TTL PLDs	6B	National	27C040	EPROMs	16B	OKI	2716	EPROMs	14A	SGS-Thomson	25C04	Serial EPROMs	19A
NEC	27256	EPROMs	15A	National	16L6/A-XV	TTL PLDs	6B	National	27C1024	EPROMs	16A	OKI	27256	EPROMs	15A	SGS-Thomson	27128A	EPROMs	14B
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NEC	2732A	EPROMs	14A	National	16L8B	TTL PLDs	7A	National	27C16	EPROMs	14A	OKI	2764A	EPROMs	14A	SGS-Thomson	2732	EPROMs	14A
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NEC	27C1000A	EPROMs	16A	National	16R4/A/2	TTL PLDs	7B	National	27C256	EPROMs	15A	OKI	28C64A	EEPROMs	17B	SGS-Thomson	2764A	EPROMs	14A
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Samsung	20R8	CMOS PLDs	4B	Signetics	PLC16V8Z	CMOS PLDs	4B	TI	20R6-15/-25	TTL PLDs	9A	TI	38L167	TTL PROMs	21B
Samsung	2816A	EEPROMs	17A	Signetics	PLC173	CMOS PLDs	4B	TI	20R6-15/-25-FN	TTL PLDs	9A	TI	38L22	TTL PROMs	20A
Samsung	2817A	EEPROMs	17A	Signetics	PLC18V8Z	CMOS PLDs	4B	TI	20R6-15/-25-NL	TTL PLDs	9A	TI	38R165	TTL PROMs	21B
Samsung	2864A	EEPROMs	17A	Signetics	PLC20L8	CMOS PLDs	4B	TI	20R6-5	TTL PLDs	9A	TI	38S030	TTL PROMs	20A
Samsung	2864AH	EEPROMs	17A	Signetics	PLC20V8	CMOS PLDs	5A	TI	20R6-7	TTL PLDs	9A	TI	38S165	TTL PROMs	21B
Samsung	2865A	EEPROMs	17B	Signetics	PLC415	CMOS PLDs	5A	TI	20R6A	TTL PLDs	9A	TI	38S22	CMOS PLDs	20A
Samsung	2865AH	EEPROMs	17B	Signetics	PLC42VA12	CMOS PLDs	5A	TI	20R8-10	TTL PLDs	9A	TI	38S030	TTL PROMs	20A
Samsung	28C16	EEPROMs	17A	Signetics	PLC473	CMOS PLDs	4A	TI	20R8-15/-25	TTL PLDs	9B	TI	38SA165	TTL PROMs	21B
Samsung	28C17	EEPROMs	17A	Signetics	PLHS153	TTL PLDs	7A	TI	20R8-15/-25-FN	TTL PLDs	9B	TI	38SA22	TTL PROMs	20B
Samsung	28C256	EEPROMs	17B	Signetics	PLHS16L8	TTL PLDs	8A	TI	20R8-15/-25-NL	TTL PLDs	9B	TI	506/A	TTL PLDs	10A
Samsung	28C64	EEPROMs	17B	Signetics	PLHS18P8	TTL PLDs	9B	TI	20R8-5	TTL PLDs	9B	TI	507/A	TTL PLDs	10A
Samsung	28C65	EEPROMs	17B	Signetics	PLHS473	TTL PLDs	6B	TI	20R8-7	TTL PLDs	9B	TI	529	TTL PLDs	6A
Seiko Instruments	2100R/RF	Serial EPROMs	19A	Signetics	PLHS501	Complex PLDs	2A	TI	20R8A	TTL PLDs	9B	TI	54ALS526	TTL PROMs	21C
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Seiko Instruments	2914AR/I	Serial EPROMs	19B	Signetics	PLQ16R8	CMOS PLDs	4A	TI	20X4-FN	TTL PLDs	6B	TI	6024	Complex PLDs	2A
Seiko Instruments	2914R/RF	Serial EPROMs	19B	Signetics	PLQ20L8	CMOS PLDs	4B	TI	20X4-NL	TTL PLDs	6B	TI	6032	Complex PLDs	2A
Seiko Instruments	2917R/I	Serial EPROMs	19B	Signetics	PLQ20R4	CMOS PLDs	4B	TI	20X8	TTL PLDs	6B	TI	610	CMOS PLDs	5A
Seiko Instruments	2918R/I	Serial EPROMs	19B	Signetics	PLQ20R6	CMOS PLDs	4B	TI	20X8-FN	TTL PLDs	6B	TI	630	CMOS PLDs	5A
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Seiko Instruments	2929CR/I	Serial EPROMs	19B	Signetics	PLS105	TTL PLDs	10A	TI	24S10	TTL PROMs	20A	TI	82S105	TTL PLDs	10A
Seiko Instruments	2929GR/I	Serial EPROMs	19B	Signetics	PLS150	TTL PLDs	6A	TI	24S41	TTL PROMs	20B	TI	82S105A/B	TTL PLDs	10A
Seiko Instruments	2933CR/I	Serial EPROMs	19B	Signetics	PLS151	TTL PLDs	6A	TI	24S81	TTL PROMs	20C	TI	82S167	TTL PLDs	9B
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Seiko Instruments	2939GR/I	Serial EPROMs	19B	Signetics	PLS155	TTL PLDs	8B	TI	2516	EPROMs	14A	TI	87C257	EPROMs	15B
Seiko Instruments	2940I/IF	Serial EPROMs	19A	Signetics	PLS156	TTL PLDs	8B	TI	2532	EPROMs	14A	TI	910	CMOS PLDs	5B
Seiko Instruments	2961I/IF	Serial EPROMs	19B	Signetics	PLS157	TTL PLDs	8B	TI	2532A	EPROMs	14A	TI	930	CMOS PLDs	5B
Seiko Instruments	2980I/IF	Serial EPROMs	19B	Signetics	PLS158	TTL PLDs	8B	TI	2564	EPROMs	14A	TI	C16L8	CMOS PLDs	4A
Sharp	57100	EPROMs	14B	Signetics	PLS159	TTL PLDs	8B	TI	2708	EPROMs	14A	TI	C16R4	CMOS PLDs	4A
Sharp	571001	EPROMs	16B	Signetics	PLS159A	TTL PLDs	8B	TI	27128	EPROMs	14B	TI	C16R6	CMOS PLDs	4A
Sharp	57126	EPROMs	15A	Signetics	PLS161	TTL PLDs	6B	TI	27128A	EPROMs	14B	TI	C16R8	CMOS PLDs	4A
Sharp	57127	EPROMs	15A	Signetics	PLS162	TTL PLDs	6A	TI	27256	EPROMs	15A	TI	C22V10T	CMOS PLDs	5A
Sharp	57128	EPROMs	15A	Signetics	PLS163	TTL PLDs	6A	TI	2732	EPROMs	14A	TI	C22V10ZP	CMOS PLDs	5A
Sharp	57191	TTL EPROMs	18A	Signetics	PLS166	TTL PLDs	9B	TI	2732A-HS	EPROMs	14A	TI	R19L8	TTL PLDs	8B
Sharp	57254	EPROMs	15B	Signetics	PLS167	TTL PLDs	9B	TI	27512	EPROMs	15B	TI	R19R4	TTL PLDs	8B
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Sharp	57256	EPROMs	15B	Signetics	PLS173	TTL PLDs	8B	TI	2764	EPROMs	14A	TI	R19R8	TTL PLDs	8B
Sharp	5749	TTL EPROMs	18A	Signetics	PLS179	TTL PLDs	8B	TI	27C010	EPROMs	16A	TI	T19L8	TTL PLDs	8B
Sharp	57512	EPROMs	15B	Signetics	PLUS105	TTL PLDs	10A	TI	27C010A	EPROMs	16A	TI	T19R4	TTL PLDs	8B
Sharp	5762	EPROMs	14B	Signetics	PLUS153	TTL PLDs	7A	TI	27C020	EPROMs	16B	TI	T19R6	TTL PLDs	8B
Sharp	5763	EPROMs	14B	Signetics	PLUS153B	TTL PLDs	7A	TI	27C040	EPROMs	16B	TI	T19R8	TTL PLDs	8B
Sharp	5764	EPROMs	14B	Signetics	PLUS16L8	TTL PLDs	8A	TI	27C128	EPROMs	14B	TI	24128	EPROMs	14B
Signetics	100149	ECL PROMs	13B	Signetics	PLUS16R4	TTL PLDs	8A	TI	27C128A	EPROMs	16A	TI	24128A	EPROMs	14B
Signetics	100149A	ECL PROMs	13B	Signetics	PLUS16R6	TTL PLDs	8A	TI	27C210A	EPROMs	16B	TI	24256	EPROMs	15A
Signetics	100149B	ECL PROMs	13B	Signetics	PLUS16R8	TTL PLDs	8A	TI	27C210	EPROMs	16B	TI	24256A	EPROMs	15A
Signetics	10020EV8	ECL PLDs	10B	Signetics	PLUS173	TTL PLDs	8B	TI	27C240	EPROMs	16B	TI	24256B	EPROMs	15A
Signetics	10149	ECL PROMs	13B	Signetics	PLUS173B	TTL PLDs	8B	TI	27C256	EPROMs	15A	TI	24512	EPROMs	15B
Signetics	10149A	ECL PROMs	13B	Signetics	PLUS20L8	TTL PLDs	9B	TI	27C291	TTL EPROMs	18A	TI	24512A	EPROMs	15B
Signetics	10H20EV8	ECL PLDs	10B	Signetics	PLUS20R4	TTL PLDs	9B	TI	27C292	TTL EPROMs	18A	TI	2464	EPROMs	14A
Signetics	10P256	ECL PROMs	13B	Signetics	PLUS20R6	TTL PLDs	9B	TI	27C32	EPROMs	14A	TI	2464A	EPROMs	14A
Signetics	2500	Complex PLDs	2A	Signetics	PLUS20R8	TTL PLDs	9B	TI	27C49	TTL EPROMs	18A	TI	27128	EPROMs	14B
Signetics	27C010	EPROMs	16A	Signetics	PLUS405	TTL PLDs	10A	TI	27C510	EPROMs	15B	TI	27128A	EPROMs	14B
Signetics	27C210	EPROMs	16A	Signetics	PML2552	Complex PLDs	2A	TI	27C512	EPROMs	15B	TI	27256	EPROMs	15A
Signetics	27C240	EPROMs	16B	Signetics	PML2852	Complex PLDs	5B	TI	27C64	EPROMs	14A	TI	27256A	EPROMs	15A
Signetics	27C256	EPROMs	15A	Signetics	PML2852	Complex PLDs	2A	TI	27L08	EPROMs	14A	TI	27256B	EPROMs	15A
Signetics	27C512	EPROMs	15B	Simtek	10C68	EPROMs	17A	TI	27P32A	EPROMs	14A	TI	2732	EPROMs	14A
Signetics	27C64A	EPROMs	14B	Simtek	11C68	EEPROMs	17A	TI	27P64	EPROMs	14B	TI	27512	EPROMs	15B
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Signetics	5000	Complex PLDs	2A	Sony	27C1001	EPROMs	16A	TI	27PC040	EPROMs	16B	TI	2764	EPROMs	14A
Signetics	750	CMOS PLDs	5A	Sony	27C256	EPROMs	15B	TI	27PC128	EPROMs	16B	TI	2764A	EPROMs	14A
Signetics	82HS187	TTL PROMs	21A	Sony	27C512	EPROMs	15B	TI	27PC240	EPROMs	16B	TI	541000	EPROMs	16B
Signetics	82HS189	TTL PROMs	21A	TI	1010A	FFGAs	1A	TI	27PC256	EPROMs	15B	TI	541001	EPROMs	16B
Signetics	82HS191	TTL PROMs	21B	TI	1020A	FFGAs	1A	TI	27PC32	EPROMs	14A	TI	54256A	EPROMs	15B
Signetics	82HS195	TTL PROMs	21B	TI	1020B	FFGAs	1A	TI	27PC512	EPROMs	15B	TI	544000	EPROMs	16B
Signetics	82HS321	TTL PROMs	21C	TI	10H16P8-6	ECL PLDs	10B	TI	27PC64	EPROMs	14B	TI	544096	EPROMs	16B
Signetics	82HS641	TTL PROMs													

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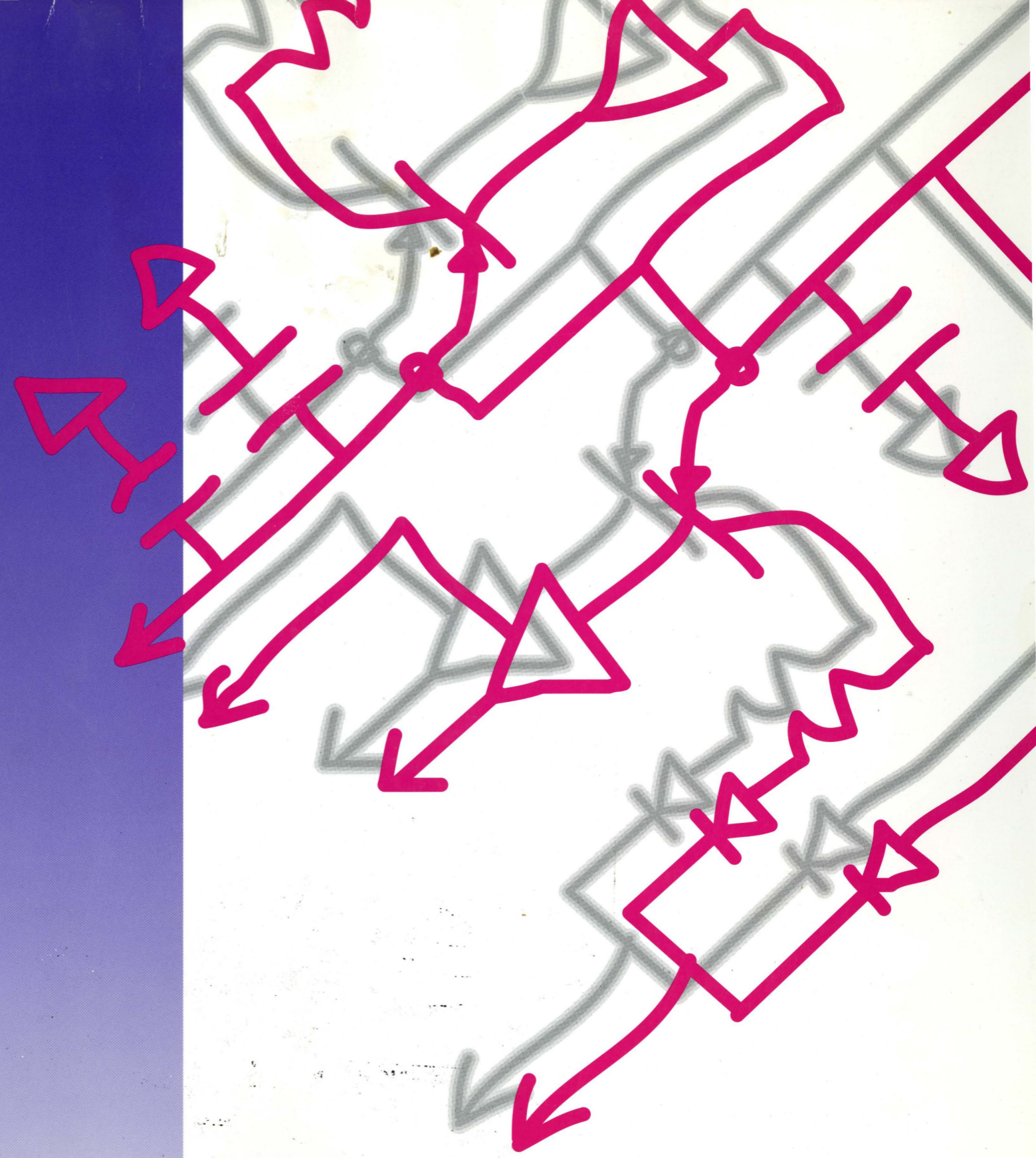
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