Notice:

If you are using preprocessors, please refer to the following table for information on which configuration files to use and what HP 1660-series analyzer to use them with. This table appears at the front of this guide so you can pull it out as a quick reference. This table is also repeated on page 23 of this User's Reference Guide.

Preprocessor File Configuration Translation and Pod Connections

The HP 1660-series analyzers can load state configuration files created by HP 1650-series, 16510B, 16540A/D and 16550A analyzers. The following table gives information on the recommended configuration files to use for a number of preprocessors and universal interfaces, in addition to the minimum pod count of a 1660-series analyzer.

If you have version 5.0 or later preprocessor configuration software, the HP 16550 files are usually recommended. An alternate configuration file is given in case your preprocessor software is earlier than version 5.0.

In most cases, the pods will connect as specified in the preprocessor manuals. In the cases where the connection is different, refer to the notes listed at the end of the table.

Software and Hardware Translation Information

Preprocessor Number	Target Microprocessor	HP 16550 File to Load	Alternate File	Minimum Analyzer Required
10314D	80386DX: w/ math Coprocessor:	F80386D_I (6) F80386D_87 (6)	C80386D_I (6) C80386D_87 (6)	1660/1661 1660/1661
E2409B	80286 State: Timing:	F80286S (7) F80286T (9)	C80286S (8) C80286T (10), (11)	1660/1661/1662 1660/1661
10305B	8086: 8088:	F8086_I F8088_I	C8086_I (12) C8088_I (12)	1660/1661/1662 1660/1661/1662
E2426A/B	68020/68EC020	F68020/FEC020 (20)	C68020_IP/None (20)	1660/1661
E2423A	SCSI-2	FSCSI2 (32)	ESCSI2ST	1660/1661/1662/1663
10311B	68000/010 DIP: 68010: GP Probes: 68010:	F68000_I F68010_I F68000_P F68010_P	C68000_I (21) C68010_I (21) C68000_P (21) C68010_P (21)	1660/1661/1662 1660/1661/1662 1660/1661/1662 1660/1661/1662
10311G	68000/010 PGA: 68010:	F68000 F68010	C68000_I (21) C68010_I (21)	1660/1661/1662 1660/1661/1662
10316G	68030	F68030 (19)	C68030_IP (19)	1660/1661
E2403A	80486 UI All Pods: 16-bit status:	UI_486_21 (2) UI_486_20 (4)	UI_486_19 (3) UI_486_15 (5)	1660 1660/1661
E2438A	R4000	F_R4K (42)	None	1660
E2401A	R3000: extended cache: multi-processor:	FR3KA (43) FR3KB (43) FR3KC (43)	R3K_A_D R3K_B_D R3K_C_D	1660 1660 1660
E2420A	68040	F68040 (18)	C68040 (18)	1660/1661
E2406A	68030	F68030 (19)	C68030_I (19)	1660/1661
E2415A	MCS-51 RUPI-44: MCS-51: RUPI-44: MSC-51:	FRUPI44 (17) FMCS51 (17) ARUPI44 AMCS51	CMRUP51_I CMCS51_I CMRUP51_51 CMCS51_51	1660/1661/1662 1660/1661/1662 1660/1661/1662/1663 1660/1661/1662/1663

Preprocessor Number	Target Microprocessor	HP 16550 File to Load	Alternate File	Minimum Analyzer Required
E2418A	TMS32020/C25: 8 K Acq:	C320C25 F320C25 (41)	C320C25_B None	1660/1661/1662 1660/1661
10341B	1553 A/B	F1553	C1553	1660/1661/1662/1663
E2432A	80960CA All Pods: dma: interrupts:	PI960CA_03 (15) PI960CA_03 (15) PI960CA_02 (16)	PI960CA_03 (15) None PI960CA_02 (16)	1660 1660/1661 1660/1661
E2431A	TMS320C30/31 All Pods: primary bus: expansion bus: prim. bus w/exp. status:	R_320C30 (37) P_320C3X Q_320C30 (39) O_320C30	I_320C30 (38) A_320C3X B_320C30 (40) None	1660 1660/1661/1662 1660/1661/1662 1660/1661
10342B	RS232/HPIB HPIB: RS232: RS449:	FHPIB (33) FRS232 FRS449	CHPIB_51 CRS232_51 CRS449_51	1660/1661/1662/1663 1660/1661/1662/1663 1660/1661/1662/1663
10342G	HPIB State: Timing:	FHPIB FHPIB	CHPIB_G CHPIB_G (44)	1660/1661/1662/1663 1660/1661/1662
10300B	Z80	FZ80	CZ80_I	1660/1661/1662/1663
E2413B	68331/2	F68332 (26)	C68332 (27)	1660/1661
E2414B	68302: 8K Acq: Address Ranging:	F68302 (28) F68302 (28) E68302_6 (30)	C68302 (29) None E68302_6 (30)	1660/1661/1662 1660/1661 1660/1661/1662
E2435A	i860XR	i860XR3	i860XR1 (14)	1660
E2412A	i860XP	F_i860XP (13)	None	1660
E2416A	MCS-96: 8 K Acq:	FMCS96 FMCS96D	CMCS96C None	1660/1661/1662 1660/1661
E2424B	68340: evs:	F68340 (23) FEV340 (24)	None C68340 (25)	1660/1661/1662 1660/1661/1662
E2419A	68HC16	FHC16 (31)	None	1660/1661/1662
10315G	68HC11 DIP	F68HC11	None	1660/1661/1662
10315H	68HC11 PLCC	F68HC11	None	1660/1661/1662

Preprocessor File Configuration Guide

Preprocessor Number	Target Microprocessor	HP 16550 File to Load	Alternate File	Minimum Analyzer Required
E2411B	80486	PI486_04 (1)	None	1662/1661
E2434A	80186/88 EA/XL: Timing:	F80186S F80186T	None None	1660/1661/1662 1660/1661/1662
E2434B	80186/88 EB State: Timing:	F80186S F80186T	None None	1660/1661/1662 1660/1661/1662
E2441B	VME/VXI	FE2441S (34)	None	1660/1661
E2442A	320C50/51: 8 K Acq:	D_320C5x (35) E_320C5x (36)	None None	1660/1661/1662 1660/1661
10310B	68008: GP Probes:	None None	C68008_I (22) C68008_P (22)	1660/1661/1662 1660/1661/1662
10308B	6809/6809E: GP Probes: 6809E:	None None None	C6809_I C6809_P C6809E_P	1660/1661/1662 1660/1661/1662 1660/1661/1662

The following notes give information on special pod-to-pod connections when certain configuration files are used.

Note

(1)	E2411B file PI486_04							
	2411B probe	P6	P5	P4	P3	P2	P1	
	label	BURST	ADDR	ADDR	DATA	DATA	STAT	
	to 1660 pod	4	8	7	3	2	1	
	to 1661 pod	4	6	5	3	2	1	

(2)	E2403A file UI_486_21							
	E2403A probe	J7	J6	J5	J4	J3	J2	J1
	label	STAT_1	STAT_2	ADDR	STAT_3	ADDR	DATA	DATA
	to 1660 pod	7	8	3	5	4	1	2

(3)	E2403A file UI_486_19							
	E2403A probe	J7	J6	J5	J4	J3	J2	J1
	label	STAT_1	STAT_2	ADDR	STAT_3	ADDR	DATA	DATA
	to 1660 pod	1	4	5	7	6	2	3

(4)	E2403A file UI_486_20						
	E2403A probe	J7	J6	J5	J3	J2	J1
	label	STAT_1	STAT_2	ADDR	ADDR	DATA	DATA
	to 1660 pod	7	8	3	4	1	2
	to 1661 pod	5	6	3	4	1	2

(5)	E2403A file UI_486_15					
	E2403A probe	J7	J5	J3	J2	J1
	label	STAT_1	ADDR	ADDR	DATA	DATA
	to 1660 pod	7	3·	4	1	2
	to 1661 pod	5	3	4	1	2

(6)	10314D files F80386D_I					
	F80386D_87					
	C80386D_I					
	C80386D_87					
	10269C probe					
	label	5	4	3	2	1
	to 1660 pod	STAT	ADDR	ADDR	DATA	DATA
	to 1661 pod	7	4	3	2	1
		5	4	3	2	1

Note

(7) E2409B file F80286S

10269C probe label	5 T_CONT	4 T_DATA	3 STAT/ADDR	2 ADDR	1 DATA
to 1660	8	7	4	3	1
to 1661	6	5	4	3	1
to 1662	-	-	4	3	1

(8) E2409B file F80286S
E2409A file F80286_S

10269C probe label	5 T_CONT	4 T_DATA	3 STAT/ADDR	2 ADDR	1 DATA
to 1660	7	4	2	1	3
to 1661	5	4	2	1	3
to 1662	-	4	2	1	3

(9) E2409B file F80286T

10269C probe label	5 T_CONT	4 T_DATA	3 STAT/ADDR	2 ADDR	1 DATA
to 1660	8	7	2	1	-
to 1661	6	5	4	3	-
to 1662	-	1	4	3	-

(10) E2409B file F80286T

10269C probe label	5 T_CONT	4 T_DATA	3 STAT/ADDR	2 ADDR
to 1660	7	4	2	1
to 1661	5	4	2	1
to 1662	-	4	2	1

(11) E2409A file C80286_T

10269C probe label	5 T_CONT	4 T_DATA	3 STAT/ADDR	2 ADDR
to 1660	6	5	8	7
to 1661	6	5	4	3
to 1662	4	3	2	1

Note

(12) 10305B files
C8086_I
C8088_I

10269C probe	1	3	2
label	DATA	ADDR	STAT/ ADDR
to all 166x pod	3	2	1

(13) E2412A file F_i860XP

E2412A probe	P9	P8	P7	P6	P5	P3	P2	P1
label	ADDR	ADDR	STAT	DATA_B	DATA_B	DATA	DATA	STAT
to 1660 pod	6	5	2	8	7	4	3	1

(14) E2435A file i860XR1

E2435A probe	P7	P6	P5	P4	P3	P2	P1
label	DATA_B	DATA	DATA	DATA_B	ADDR	ADDR	STAT
to 1660 pod	5	8	7	2	4	3	1

(15) E2432A file
PI960CA_03

E2432A probe	P7	P6	P5	P4	P3	P2	P1
label	DREQ	XINT	ADDR	ADDR	DATA	DATA	STAT
to 1660 pod	7	4	6	5	3	2	1
to 1661 pod	-	4	6	5	3	2	1

(16) E2432A file
PI960CA_02

E2432A probe	P7	P6	P5	P4	P3	P2	P1
label	DREQ	XINT	ADDR	ADDR	DATA	DATA	STAT
to 1660 pod	7	6	4	3	5	2	1
to 1661 pod	-	6	4	3	5	2	1

(17) E2415A files
FRUPI44
FMCS51

10269C probe	5	3	2	1
label	PORT1	STAT	ADDR	DATA
to 1660 pod	8	7	3	1
to 1661 pod	6	5	3	1
to 1662 pod	4	2	3	1

Note

(18)	E2420B files					
	F68040					
	C68040					
	E2420B probe	P5	P4	P3	P2	P1
	label	STAT	DATA	DATA	ADDR	ADDR
	to 1660 pod	7	4	3	2	1
	to 1661 pod	5	4	3	2	1

(19)	E2406A files					
	F68030					
	C68030_I					
	10316G files					
	F68030					
	C68030_IP					
	probe	P5	P4	P3	P2	P1
	label	ADDR	ADDR	STAT	DATA	DATA
	to 1660	4	3	7	2	1
	to 1661	4	3	5	2	1

(20)	E2426A,B files						
	F68020						
	FEC020						
	C68020_IP						
	E2426A,B probe	P6	P5	P4	P3	P2	P1
	label	IPL	STAT	ADDR	ADDR	DATA	DATA
	to 1660 pod	8	7	4	3	2	1
	to 1661 pod	6	5	4	3	2	1

(21)	10311B,G files			
	C68000_I			
	C68010_I			
	C68000_P			
	C68010_P			
	10311B,G probe	3	2	1
	label	STAT/ ADDR	ADDR	DATA
	to all 166x pod	2	1	3

(22)	10310B files			
	C68008_I			
	C68008_P			
	10269C probe	3	2	1
	label	STAT/ ADDR	ADDR	DATA
	to all 166x pod	2	1	3

Note

(23)	E2424B file F68340					
	E2424B probe	P5	P4	P3	P2	P1
	label	STAT	ADDR	ADDR	-	DATA
	to 1660 pod	7	4	3	-	1
	to 1661 pod	5	4	3	-	1
	to 1662 pod	2	4	3	-	1
(24)	E2424B file FEV340					
	68340 EVS probe	P5	P4	P3	P2	P1
	label	STAT	ADDR	ADDR	-	DATA
	to 1660 pod	7	4	3	-	1
	to 1661 pod	5	4	3	-	1
	to 1662 pod	2	4	3	-	1
(25)	E2424A file C68340					
	68340 EVS probe	P5	P4	P3	P2	P1
	label	STAT	ADDR	ADDR	-	DATA
	to all 166x probe	4	2	1	-	3

(26)	E2413B file F68332						
	E2413B probe	P6	P5	P4	P3	P2	P1
	label	IRQ	STAT	ADDR	ADDR	P2	DATA
	to 1660 pod	8	7	4	3	2	1
	to 1661 pod	6	5	4	3	2	1
	to 1662 pod	-	2	4	3	-	1

(27)	E2413B file F68332					
	E2413B probe	P5	P4	P3	P2	P1
	label	STAT	ADDR	ADDR	-	DATA
	to all 166x pod	4	2	1	-	3

(28)	E2414B file F68302			
	E2414 B probe	P4	P3	P1
	label	STAT/ ADDR	ADDR	DATA
	to 1660 pod	7	3	1
	to 1661 pod	5	3	1
	to 1662 pod	3	2	1

(29)	E2414B file C68302			
	E2414 B probe	P4	P3	P1
	label	STAT/ ADDR	ADDR	DATA
	to all 166x pod	2	1	3

Note

(30)	E2414B file E68302_6						
	E2414 B probe	P6	P5	P4	P3	P2	P1
	label	WDOG	IACK	STAT/ ADDR	ADDR	IPL	DATA
	to 1660 pod	8	4	2	1	7	3
	to 1661 pod	6	4	2	1	5	3
	to 1662 pod	-	4	2	1	-	3

(31)	E2419A file FHC16						
	E2419A probe	P6	P5	P4	P3	P2	P1
	label	P6	STAT	ADDR	ADDR	P2	DATA
	to 1660 pod	8	7	4	3	2	1
	to 1661 pod	6	5	4	3	2	1
	to 1662 pod	-	2	4	3	-	1

(32)	E2423A file FSCSI2		
	E2423A probe	2	1
	label	DATA	STAT
	to 1660 pod	3	1
	to 1661 pod	3	1
	to 1662 pod	3	1
	to 1663 pod	2	1

(33)	10342B file FHPIB		
	10269C probe	3	2
	label	DI08	DATA/ STAT
	to all 166x pod	2	1

(34)	E2441A file FE2441S						
	E2441A probe	P6	P5	P4	P3	P2	P1
	label	IRQ	STAT	ADDR	ADDR	DATA	DATA
	to 1660 pod	8	7	4	3	2	1
	to 1661 pod	6	5	4	3	2	1

(35)	E2442A file D_320C5x					
	E2442A probe	P5	P4	P3	P2	P1
	label	Serial	JTAG	ADDR	STAT	DATA
	to 1660 pod	4	2	7	3	1
	to 1661 pod	4	2	5	3	1
	to1662 pod	4	-	2	3	1

Note

(36)	E2442A file E_320C5x				
	E2442A probe	P4	P3	P2	P1
	label	JTAG	ADDR	STAT	DATA
	to 1660 pod	5	7	3	1
	to 1661 pod	-	5	3	1

(37)	E2431A file R_320C30							
	E2431A probe	P7	P6	P5	P4	P3	P2	P1
	label	STAT/ ADDR_B	DATA_B	DATA_B	STAT/ ADDR	ADDR	DATA	DATA
	to 1660 pod	7	8	5	4	3	2	1

(38)	E2431A file I_320C30							
	E2431A probe	P7	P6	P5	P4	P3	P2	P1
	label	STAT/ ADDR_B	DATA_B	DATA_B	STAT/ ADDR	ADDR	DATA	DATA
	to 1660 pod	5	7	6	2	1	4	3

(39)	E2431A file Q_320C30			
	E2431A probe	P7	P6	P5
	label	STAT/ ADDR	DATA	DATA
	to 1660 pod	7	4	3
	to 1661 pod	5	4	3
	to 1662 pod	1	4	3

(40)	E2431A file B_320C30			
	E2431A probe	P7	P6	P5
	label	STAT/ ADDR	DATA	DATA
	to all 166x pod	3	2	1

(41)	E2418A file F320C25			
	E2418A probe	J3	J2	J1
	label	STAT	ADDR	DATA
	to 1660 pod	7	3	1
	to 1661 pod	5	3	1

(42)	E2438A file F_R4K								
	E2438A probe	P8	P7	P6	P5	P4	P3	P2	P1
	label	DATA_B	DATA_B	ADDR	ADDR	DATA	DATA	STAT	STAT
	to 1660 pod	2	1	6	5	8	7	4	3

Note

		P7	P6	P5	P4	P3	P2	P1
(43)	E2401A files							
	FR3KA							
	FR3KB							
	FR3KC							
	E2401A probe	P7	P6	P5	P4	P3	P2	P1
	label	STAT	ADDR	ADDR	STAT	DATA	DATA	STAT
	to 1660 pod	5	8	7	4	3	2	1
(44)	10342G							
	file CHPIB_G timing	(Either	Probe)					
	to 1660 pod	6						
	to 1661 pod	6						
	to 1662 pod	4						