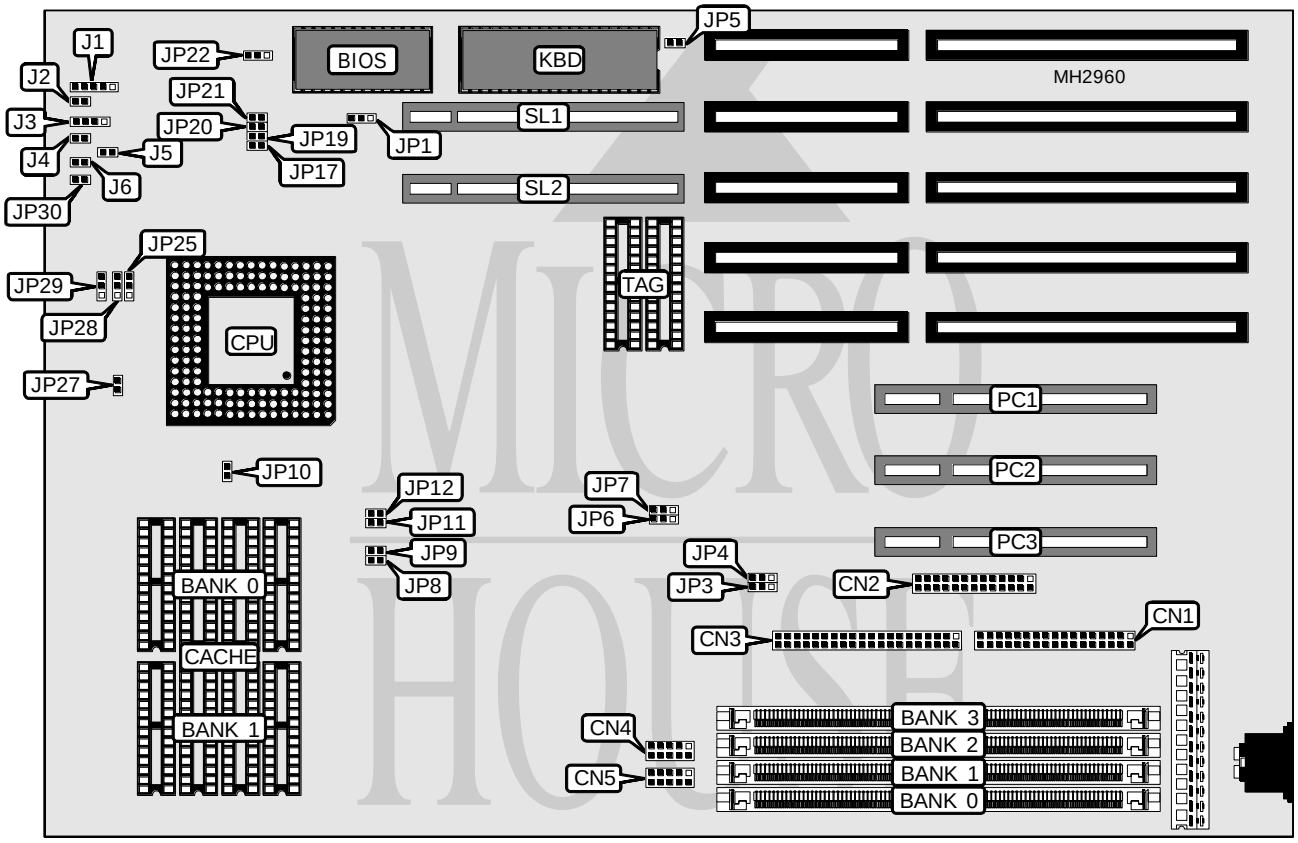
ADVANCED INTEGRATION RESEARCH, INC.
486PI REV. 1.20

Processor	80486SX/CX486DX/AM486DX/80486DX/CX486DX2/AM486DX2/80486DX2/ AM486DX4/80486DX4/Pentium Overdrive
Processor Speed	25/33/50(internal)/66(internal)/75(internal)/100(internal)MHz
Chip Set	Intel
Max. Onboard DRAM	64MB
Cache	128/256/512KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	Parallel port, serial ports (2), 32-bit VESA local bus slots (2), 32-bit PCI slots (3), floppy drive interface, IDE interface
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Floppy drive interface	CN1	Speaker	J3
Parallel port	CN2	Turbo switch	J4
IDE interface	CN3	Turbo LED	J5
Serial port 1	CN4	Reset switch	J6
Serial port 2	CN5	32-bit PCI slots	PC1 - PC3
Power LED & keylock	J1	32-bit VESA local bus slots	SL1 & SL2
IDE interface LED	J2		

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation	JP1	pins 1 & 2 closed
CMOS memory clear	JP1	pins 2 & 3 closed
í Parallel port IRQ select IRQ7	JP3	pins 1 & 2 closed
Parallel port IRQ select IRQ5	JP3	pins 2 & 3 closed
í Monitor type select monochrome/EGA/VGA	JP5	Open
Monitor type select CGA	JP5	Closed
í Factory configured - do not alter	JP17	Open
í Factory configured - do not alter	JP29	Open

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
2MB	(1) 512K x 36	NONE	NONE	NONE
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	NONE
3MB	(1) 512K x 36	(1) 256K x 36	NONE	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
4MB	(1) 512K x 36	(1) 512K x 36	NONE	NONE
4MB	(1) 512K x 36	(1) 256K x 36	NONE	(1) 256K x 36
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
5MB	(1) 512K x 36	(1) 512K x 36	NONE	(1) 256K x 36
6MB	(1) 512K x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 2M x 36	NONE	NONE	NONE
9MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	NONE
9MB	(1) 2M x 36	(1) 256K x 36	NONE	NONE
10MB	(1) 512K x 36	(1) 2M x 36	NONE	NONE
10MB	(1) 512K x 36	(1) 1M x 36	NONE	(1) 1M x 36
10MB	(1) 2M x 36	(1) 256K x 36	NONE	(1) 256K x 36
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	NONE
12MB	(1) 2M x 36	(1) 1M x 36	NONE	NONE
13MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
14MB	(1) 512K x 36	(1) 2M x 36	NONE	(1) 1M x 36
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 2M x 36	(1) 2M x 36	NONE	NONE
16MB	(1) 2M x 36	(1) 1M x 36	NONE	(1) 1M x 36
16MB	(1) 4M x 36	NONE	NONE	NONE
17MB	(1) 4M x 36	(1) 256K x 36	NONE	NONE
18MB	(1) 4M x 36	(1) 256K x 36	NONE	(1) 256K x 36
20MB	(1) 4M x 36	(1) 1M x 36	NONE	NONE
24MB	(1) 4M x 36	(1) 1M x 36	NONE	(1) 1M x 36
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
32MB	(1) 8M x 36	NONE	NONE	NONE
33MB	(1) 8M x 36	(1) 256K x 36	NONE	NONE
34MB	(1) 8M x 36	(1) 256K x 36	NONE	(1) 256K x 36

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
36MB	(1) 8M x 36	(1) 1M x 36	NONE	NONE
40MB	(1) 8M x 36	(1) 1M x 36	NONE	(1) 1M x 36
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	NONE
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 8M x 36	NONE	NONE

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
128KB	(4) 32K x 8	NONE	(2) 32K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(2) 32K x 8
256KB	(4) 64K x 8	NONE	(2) 32K x 8
512KB	(4) 128K x 8	NONE	(2) 32K x 8

CACHE JUMPER CONFIGURATION				
Size	JP8	JP9	JP11	JP12
128KB	Closed	Open	Open	Open
256KB	Open	Closed	Closed	Open
256KB	Closed	Open	Closed	Open
512KB	Closed	Open	Closed	Closed

CPU TYPE CONFIGURATION					
Type	JP10	JP25	JP27	JP28	JP30
80486SX	Closed	Open	Open	2 & 3	1 & 2
CX486DX (3.3v)	Closed	Closed	Closed	1 & 2	2 & 3
CX486DX (5v)	Closed	Closed	Open	1 & 2	2 & 3
AM486DX	Closed	Closed	Open	1 & 2	2 & 3
80486DX	Closed	Open	Open	1 & 2	1 & 2
CX486DX2 (3.3v)	Closed	Closed	Closed	1 & 2	2 & 3
CX486DX2 (5v)	Closed	Closed	Open	1 & 2	2 & 3
AM486DX2	Closed	Open	Open	1 & 2	2 & 3
80486DX2	Closed	Open	Open	1 & 2	1 & 2
AM486DX4	Closed	Closed	Open	1 & 2	2 & 3
80486DX4	Closed	Open	Open	1 & 2	1 & 2
P24T	Closed	Open	Open	1 & 2	1 & 2
Note: Pins designated should be in the closed position.					

CPU SPEED CONFIGURATION				
Speed	JP19	JP20	JP21	JP22
25MHz	Closed	Open	Open	pins 2 & 3 closed
33MHz	Open	Closed	Closed	Closed
50iMHz	Closed	Open	Open	pins 2 & 3 closed
66iMHz	Open	Closed	Closed	Closed
75iMHz	Closed	Open	Open	pins 2 & 3 closed
100iMHz	Open	Closed	Closed	Closed

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DMA/ECP CONFIGURATION			
Setting	JP4	JP6	JP7
Disabled	Open	Open	pins 1 & 2 closed
ECP enabled DMA 1	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed
ECP enabled DMA 3	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed