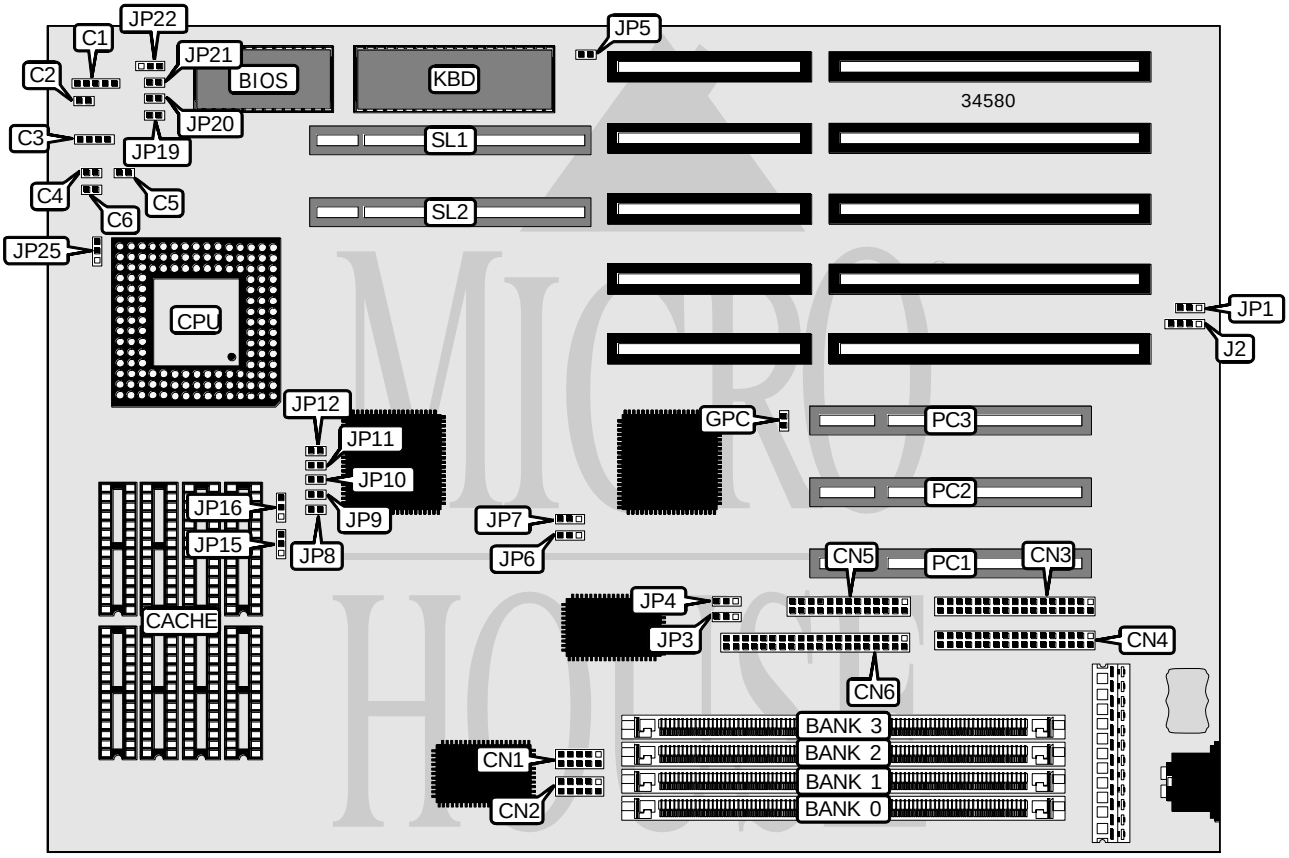
ADVANCED INTEGRATION RESEARCH, INC.
486PI (REV. 1.0)

Processor	80486SX/80487SX80486DX/80486DX2/80486DX4/P24D/P24T
Processor Speed	25/33/50(internal)/66(internal)/100(internal)MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	128MB
Maximum Video Memory	None
Cache	128/256/512KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	32-bit VESA local bus slots (2), 32-bit PCI slots (3), floppy drive interfaces (2), green PC connector, IDE interface, parallel port, serial ports (2)
NPU Options	None



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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Power LED & keylock	C1	Floppy drive interface 2	CN3
IDE interface LED	C2	Floppy drive interface 1	CN4
Speaker	C3	Parallel port	CN5
Turbo switch	C4	IDE interface	CN6
Turbo LED	C5	Green PC connector	GPC
Reset switch	C6	External battery	J2
Serial port 2	CN1	32-bit PCI slots	PC1 – PC3
Serial port 1	CN2	32-bit VESA local bus slots	SL1 & SL2

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í CMOS memory normal operation	JP1	Pins 1 & 2 closed
CMOS memory clear	JP1	Pins 2 & 3 closed
í Factory configured - do not alter	JP2	Pins 1 & 2 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/VGA/EGA	JP5	Open
Monitor type select CGA	JP5	Closed
í Factory configured - do not alter	JP13	Pins 1 & 2 closed
í Factory configured - do not alter	JP14	Pins 1 & 2 closed
í Factory configured - do not alter	JP15	Unidentified
í Factory configured - do not alter	JP16	Unidentified
í Factory configured - do not alter	JP17	Closed
í Factory configured - do not alter	JP18	Open
í Factory configured - do not alter	JP23	Pins 2 & 3 closed
í Factory configured - do not alter	JP24	Open
í Factory configured - do not alter	JP26	Closed
í Factory configured - do not alter	JP27	Open
í Factory configured - do not alter	JP28	Pins 1 & 2 closed
í Factory configured - do not alter	JP29	Open
í Factory configured - do not alter	JP30	Open
Note: The location of all factory configured jumpers except for JP15 & JP16 are unidentified.		

SIMM CONFIGURATION				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
2MB	(1) 512K x 36	None	None	None
4MB	(1) 1M x 36	None	None	None
4MB	(1) 512K x 36	(1) 512K x 36	None	None
6MB	(1) 1M x 36	(1) 512K x 36	None	None
8MB	(1) 2M x 36	None	None	None
8MB	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36	None
8MB	(1) 1M x 36	(1) 1M x 36	None	None

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SIMM CONFIGURATION (CON'T)				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
10MB	(1) 2M x 36	(1) 512K x 36	None	None
10MB	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
12MB	(1) 2M x 36	(1) 512K x 36	(1) 512K x 36	None
12MB	(1) 2M x 36	(1) 1M x 36	None	None
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	None
16MB	(1) 4M x 36	None	None	None
16MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	None
16MB	(1) 2M x 36	(1) 2M x 36	None	None
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
18MB	(1) 4M x 36	(1) 512K x 36	None	None
20MB	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36	None
20MB	(1) 4M x 36	(1) 1M x 36	None	None
20MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	None
24MB	(1) 4M x 36	(1) 2M x 36	None	None
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	None
24MB	(1) 2M x 36	(1) 4M x 36	None	None
28MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
28MB	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 8M x 36	None	None	None
32MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	None
32MB	(1) 4M x 36	(1) 4M x 36	None	None
32MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
34MB	(1) 8M x 36	(1) 512K x 36	None	None
36MB	(1) 8M x 36	(1) 512K x 36	(1) 512K x 36	None
36MB	(1) 8M x 36	(1) 1M x 36	None	None
40MB	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36	None
40MB	(1) 8M x 36	(1) 2M x 36	None	None
40MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
44MB	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
48MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	None
48MB	(1) 8M x 36	(1) 4M x 36	None	None

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SIMM CONFIGURATION (CON'T)				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	None
48MB	(1) 4M x 36	(1) 8M x 36	None	None
56MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
64MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	None
64MB	(1) 8M x 36	(1) 8M x 36	None	None
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
68MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	None
72MB	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36	None
80MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	None
104MB	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
112MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36

CACHE CONFIGURATION		
Size	**Bank 0**	**Bank 1**
128KB	(4) 32K x 8	None
256KB	(4) 32K x 8	(4) 32K x 8
512KB	(4) 128K x 8	None

CACHE JUMPER CONFIGURATION					
Size	**JP8**	**JP9**	**JP10**	**JP11**	**JP12**
128KB	Closed	Open	Open	Open	Open
256KB	Open	Closed	Closed	Closed	Open
512KB	Closed	Open	Open	Closed	Closed

CPU SPEED SELECTION				
Speed	**JP19**	**JP20**	**JP21**	**JP22**
25MHz	Closed	Open	Open	Pins 2 & 3 closed
33MHz	Open	Closed	Closed	Pins 1 & 2 closed
50iMHz	Closed	Open	Open	Pins 2 & 3 closed
66iMHz	Open	Closed	Closed	Pins 1 & 2 closed
100iMHz	Closed	Open	Open	Pins 2 & 3 closed

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CPU TYPE SELECTION	
Type	**JP25**
80486SX	Pins 2 & 3 closed
80487SX	Pins 1 & 2 closed
80486DX	Pins 1 & 2 closed
80486DX2	Pins 1 & 2 closed
80486DX4	Pins 1 & 2 closed
P24D	Pins 1 & 2 closed
P24T	Pins 1 & 2 closed

DMA CHANNEL SELECTION				
4 floppy drives	**Channel**	**JP4**	**JP6**	**JP7**
í Enabled	None	Open	Open	Pins 1 & 2 closed
Disabled	1	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
Disabled	3	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed