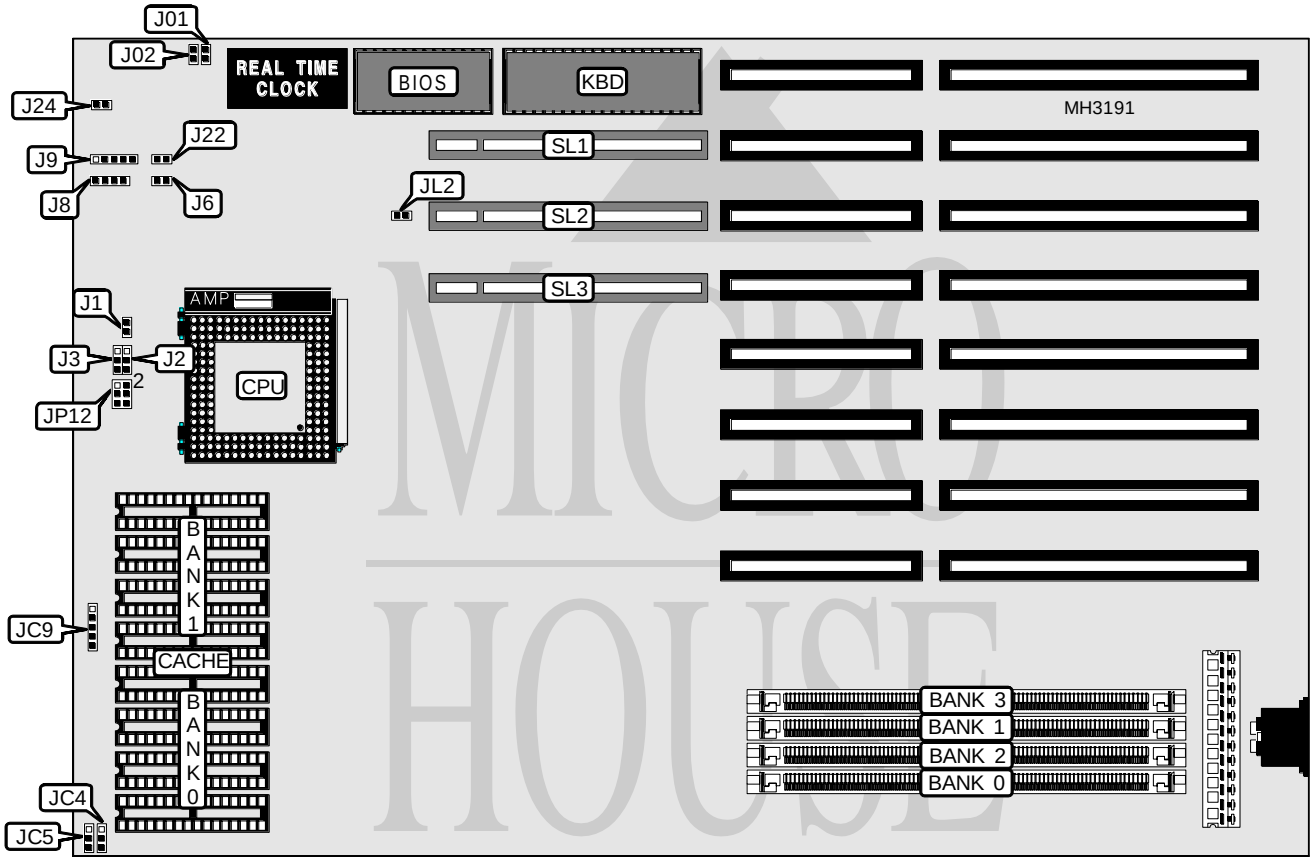
ADVANCED INTEGRATION RESEARCH, INC.
486EI REV. 1.2

Processor	80486SX/80487SX/P23T/80486DX/80486DX2/80486DX4/Pentium Overdrive
Processor Speed	25/33/40/50(internal)/50/66(internal)/80(internal)/100(internal)MHz
Chip Set	SIS
Max. Onboard DRAM	256MB
Cache	128/256/512KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	32-bit VESA local bus slots (3)
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Reset switch	J6	Turbo switch	J22
Speaker	J8	Turbo LED	J24
Power LED & keylock	J9	32-bit VESA local bus slots	SL1 - SL3

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DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	NONE	NONE	NONE
2MB	(1) 512K x 36	NONE	NONE	NONE
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
3MB	(1) 512K x 36	(1) 256K x 36	NONE	NONE
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	NONE
3MB	(1) 256K x 36	(1) 512K x 36	NONE	NONE
4MB	(1) 1M x 36	NONE	NONE	NONE
4MB	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36	NONE
4MB	(1) 512K x 36	(1) 512K x 36	NONE	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
5MB	(1) 1M x 36	(1) 256K x 36	NONE	NONE
5MB	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
5MB	(1) 256K x 36	(1) 512K x 36	(1) 512K x 36	NONE
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	NONE
6MB	(1) 1M x 36	(1) 512K x 36	NONE	NONE
6MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	NONE
6MB	(1) 512K x 36	(1) 1M x 36	NONE	NONE
7MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
7MB	(1) 256K x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
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
8MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
9MB	(1) 2M x 36	(1) 256K x 36	NONE	NONE
9MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	NONE
9MB	(1) 256K x 36	(1) 2M x 36	NONE	NONE
10MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	NONE
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
10MB	(1) 512K x 36	(1) 1M x 36	(1) 1M x 36	NONE
10MB	(1) 512K x 36	(1) 2M x 36	NONE	NONE
11MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K 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
12MB	(1) 1M x 36	(1) 2M x 36	NONE	NONE
13MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
14MB	(1) 2M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
14MB	(1) 512K x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
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

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
17MB	(1) 4M x 36	(1) 256K x 36	NONE	NONE
17MB	(1) 256K x 36	(1) 2M x 36	(1) 2M x 36	NONE
17MB	(1) 256K x 36	(1) 4M x 36	NONE	NONE
18MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	NONE
18MB	(1) 4M x 36	(1) 512K x 36	NONE	NONE
18MB	(1) 512K x 36	(1) 2M x 36	(1) 2M x 36	NONE
18MB	(1) 512K x 36	(1) 4M x 36	NONE	NONE
19MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
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
20MB	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36	NONE
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE
22MB	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K 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
25MB	(1) 256K x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
26MB	(1) 512K x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
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
33MB	(1) 8M x 36	(1) 256K x 36	NONE	NONE
33MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	NONE
33MB	(1) 256K x 36	(1) 8M x 36	NONE	NONE
34MB	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36	NONE
34MB	(1) 8M x 36	(1) 512K x 36	NONE	NONE
34MB	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36	NONE
34MB	(1) 512K x 36	(1) 8M x 36	NONE	NONE
35MB	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
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
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	NONE
36MB	(1) 1M x 36	(1) 8M x 36	NONE	NONE
38MB	(1) 8M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
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

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
40MB	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36	NONE
40MB	(1) 2M x 36	(1) 8M x 36	NONE	NONE
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
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
49MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
50MB	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
52MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
56MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
56MB	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M 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
64MB	(1) 16M x 36	NONE	NONE	NONE
65MB	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36	NONE
65MB	(1) 16M x 36	(1) 256K x 36	NONE	NONE
66MB	(1) 512K x 36	(1) 8M x 36	(1) 8M x 36	NONE
66MB	(1) 16M x 36	(1) 256K x 36	(1) 256K x 36	NONE
66MB	(1) 16M x 36	(1) 512K x 36	NONE	NONE
67MB	(1) 16M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
68MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	NONE
68MB	(1) 16M x 36	(1) 512K x 36	(1) 512K x 36	NONE
68MB	(1) 16M x 36	(1) 1M x 36	NONE	NONE
70MB	(1) 16M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
72MB	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36	NONE
72MB	(1) 16M x 36	(1) 1M x 36	(1) 1M x 36	NONE
72MB	(1) 16M x 36	(1) 2M x 36	NONE	NONE
76MB	(1) 16M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
80MB	(1) 16M x 36	(1) 2M x 36	(1) 2M x 36	NONE
80MB	(1) 16M x 36	(1) 4M x 36	NONE	NONE
80MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
80MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36	NONE
88MB	(1) 16M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
96MB	(1) 16M x 36	(1) 4M x 36	(1) 4M x 36	NONE
96MB	(1) 16M x 36	(1) 8M x 36	NONE	NONE
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	NONE
97MB	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
98MB	(1) 512K x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
100MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
104MB	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
112MB	(1) 16M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
112MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
128MB	(1) 16M x 36	(1) 16M x 36	NONE	NONE
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
192MB	(1) 16M x 36	(1) 16M x 36	(1) 16M x 36	NONE
256MB	(1) 16M x 36	(1) 16M x 36	(1) 16M x 36	(1) 16M 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	JC4	JC5	JC9
128KB	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
256KB	pins 1 & 2 closed	pins 1 & 2 closed	pins 4 & 5 closed
512KB	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed

CPU TYPE CONFIGURATION			
Type	J1	J2	J3
80486SX	Open	Open	pins 2 & 3 closed
P23T	Closed	pins 2 & 3 closed	pins 1 & 2 closed
80487SX	Closed	pins 2 & 3 closed	pins 1 & 2 closed
80486DX	Closed	pins 1 & 2 closed	pins 1 & 2 closed
80486DX2	Closed	pins 1 & 2 closed	pins 1 & 2 closed
80486DX4	Closed	pins 1 & 2 closed	pins 1 & 2 closed
Pentium Overdrive	Closed	pins 2 & 3 closed	pins 1 & 2 closed

CPU SPEED CONFIGURATION			
Speed	J01	J02	JL2
25MHz	Closed	Closed	Open
33MHz	Open	Closed	Open
40MHz	Closed	Open	Closed
50iMHz	Closed	Closed	Open
50MHz	Open	Open	Closed
66iMHz	Open	Closed	Open
80iMHz	Closed	Open	Closed
100iMHz	Open	Closed	Open

CPU VOLTAGE CONFIGURATION	
Voltage	JP12
3.3v	pins 3 & 5, 4 & 6 closed
5v	pins 1 & 3, 2 & 4 closed