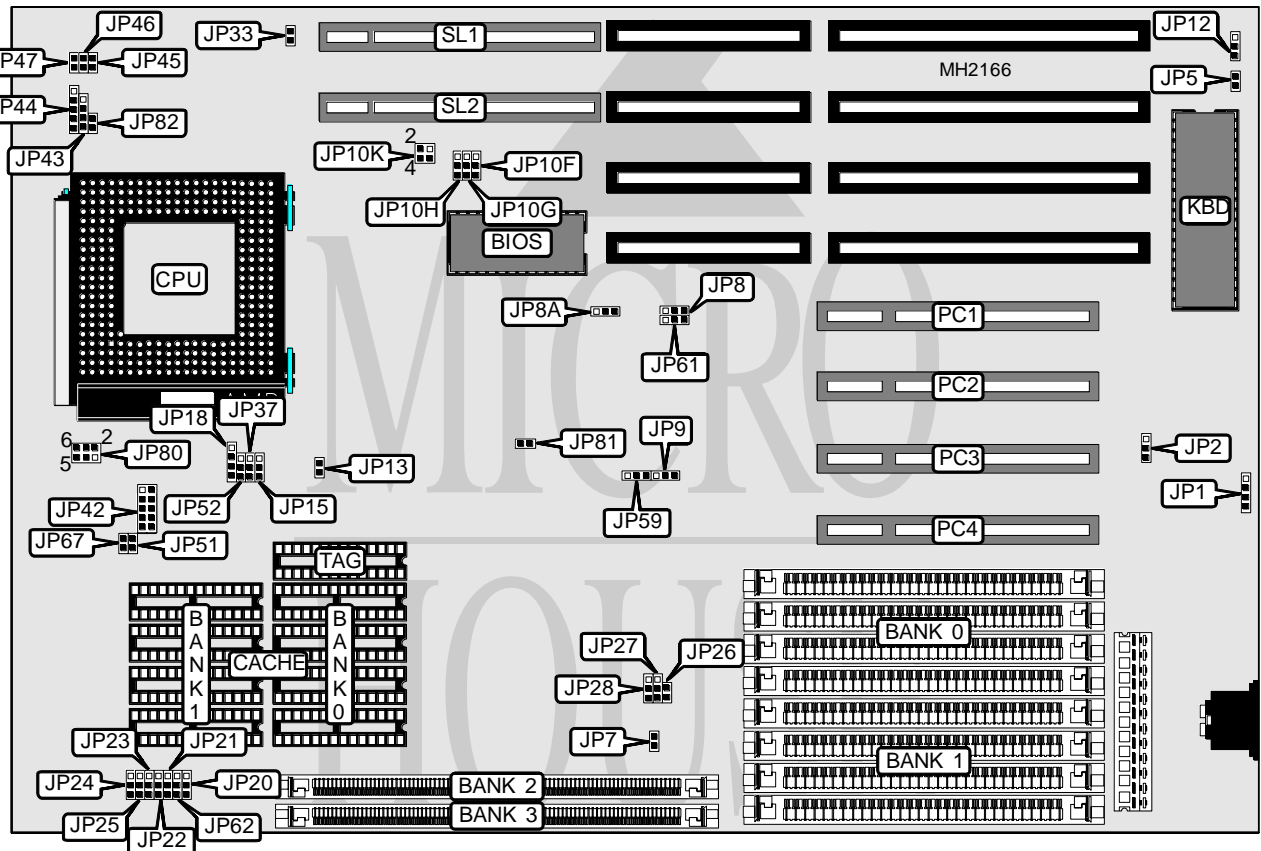


ADVANCED INTEGRATION RESEARCH, INC.

486VP REV. 1.11

Processor	80486SX/80487SX/80486DX/ODP486SX/80486DX2/80486DX4/Pentium Overdrive
Processor Speed	25/33/40/50(internal)/50/66(internal)MHz
Chip Set	SIS
Max. Onboard DRAM	128MB
Cache	256/512/1024KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	32-bit VESA local bus slots (2), 32-bit PCI slots (4)
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	JP1	Turbo LED	JP46
Speaker	JP43	Turbo switch	JP47
Power LED & keylock	JP44	32-bit PCI slots	PC1 - PC4
Reset switch	JP45	32-bit VESA local bus slots	SL1 & SL2

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation	JP2	pins 1 & 2 closed
CMOS memory clear	JP2	pins 2 & 3 closed
í Monitor type select VGA/EGA/monochrome	JP5	Open
Monitor type select CGA	JP5	Closed
í Factory configured - do not alter	JP9	Open
í Flash BIOS write protect enabled	JP12	pins 1 & 2 closed
Flash BIOS write protect disabled	JP12	pins 2 & 3 closed
í Factory configured - do not alter	JP42	Open
í Factory configured - do not alter	JP51	Open
í Factory configured - do not alter	JP59	Open
í Factory configured - do not alter	JP67	Open
í Factory configured - do not alter	JP81	Open
í Factory configured - do not alter	JP82	Open

DRAM CONFIGURATION (GROUP A)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
4MB	(4) 1M x 9	NONE	NONE	NONE
8MB	(4) 1M x 9	(4) 1M x 9	NONE	NONE
12MB	(4) 1M x 9	(4) 1M x 9	(1) 1M x 36	NONE
16MB	(4) 4M x 9	NONE	NONE	NONE
16MB	(4) 1M x 9	(4) 1M x 9	(1) 1M x 36	(1) 1M x 36
20MB	(4) 1M x 9	(4) 4M x 9	NONE	NONE
24MB	(4) 1M x 9	(4) 1M x 9	(1) 4M x 36	NONE
28MB	(4) 1M x 9	(4) 1M x 9	(1) 1M x 36	(1) 4M x 36
32MB	(4) 4M x 9	(4) 4M x 9	NONE	NONE
36MB	(4) 4M x 9	(4) 4M x 9	(1) 1M x 36	NONE
40MB	(4) 4M x 9	(4) 4M x 9	(1) 1M x 36	(1) 1M x 36
40MB	(4) 1M x 9	(4) 1M x 9	(1) 4M x 36	(1) 4M x 36
48MB	(4) 4M x 9	(4) 4M x 9	(1) 4M x 36	NONE
52MB	(4) 4M x 9	(4) 4M x 9	(1) 1M x 36	(1) 4M x 36
64MB	(4) 16M x 9	NONE	NONE	NONE
64MB	(4) 4M x 9	(4) 4M x 9	(1) 4M x 36	(1) 4M x 36
68MB	(4) 1M x 9	(4) 16M x 9	NONE	NONE
76MB	(4) 1M x 9	(4) 1M x 9	(1) 1M x 36	(1) 16M x 36
80MB	(4) 4M x 9	(4) 16M x 9	NONE	NONE
88MB	(4) 1M x 9	(4) 1M x 9	(1) 4M x 36	(1) 16M x 36
100MB	(4) 4M x 9	(4) 4M x 9	(1) 1M x 36	(1) 16M x 36
112MB	(4) 4M x 9	(4) 4M x 9	(1) 4M x 36	(1) 16M x 36
128MB	(4) 16M x 9	(4) 16M x 9	NONE	NONE

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DRAM CONFIGURATION (GROUP B)		
Size	Bank 2	Bank 3
4MB	(1) 1M x 36	NONE
8MB	(1) 1M x 36	(1) 1M x 36
16MB	(1) 4M x 36	NONE
20MB	(1) 1M x 36	(1) 4M x 36
32MB	(1) 4M x 36	(1) 4M x 36
64MB	(1) 16M x 36	NONE
68MB	(1) 1M x 36	(1) 16M x 36
80MB	(1) 4M x 36	(1) 16M x 36
128MB	(1) 16M x 36	(1) 16M x 36

DRAM CONFIGURATION (GROUP C)		
Size	Bank 2	Bank 3
16MB	(1) 2M x 36	(1) 2M x 36
40MB	(1) 2M x 36	(1) 8M x 36
64MB	(1) 8M x 36	(1) 8M x 36

DRAM JUMPER CONFIGURATION				
Group	JP22	JP23	JP24	JP25
Group A	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed
Group B	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
Group C	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed

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

CACHE JUMPER CONFIGURATION			
Size	JP20	JP21	JP62
256KB	pins 1 & 2 closed	pins 1 & 2 closed	Open
512KB	pins 2 & 3 closed	pins 2 & 3 closed	Open
1MB	pins 2 & 3 closed	Open	pins 2 & 3 closed

CPU TYPE CONFIGURATION				
Type	JP15	JP18	JP37	JP52
80486SX	pins 1 & 2 closed	pins 2 & 3 closed	Open	Open
80487SX	pins 1 & 2 closed	pins 1 & 2, 3 & 4 closed	pins 1 & 2 closed	Open
80486DX/DX2	pins 1 & 2 closed	pins 1 & 2, 3 & 4 closed	pins 2 & 3 closed	Open
80486DX4	pins 1 & 2 closed	pins 1 & 2, 3 & 4 closed	pins 2 & 3 closed	Open
Pentium Overdrive	pins 1 & 2 closed	pins 1 & 2, 3 & 4 closed	pins 1 & 2 closed	Open

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CPU SPEED CONFIGURATION									
Speed	JP7	JP8	JP8A	JP13	JP26	JP27	JP28	JP33	JP61
25MHz	Closed	1 & 2	2 & 3	Open	Closed	1 & 2	2 & 3	Open	2 & 3
33MHz	Open	1 & 2	2 & 3	Open	Closed	2 & 3	1 & 2	Open	2 & 3
40MHz	Open	2 & 3	1 & 2	Closed	Open	1 & 2	2 & 3	Closed	1 & 2
50MHz	Closed	1 & 2	2 & 3	Open	Closed	1 & 2	2 & 3	Open	2 & 3
50MHz	Open	2 & 3	1 & 2	Closed	Open	2 & 3	1 & 2	Closed	1 & 2
66MHz	Open	1 & 2	2 & 3	Open	Closed	2 & 3	1 & 2	Open	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED CONFIGURATION (80486DX4 ONLY)		
Speed	JP27	JP28
25MHz	Open	Closed
33MHz	Closed	Open

Note: If a DX4 is installed, use these jumper settings and jumpers JP7, JP8, JP8A, JP13, JP26, JP33 & JP61 from above table.

CPU VOLTAGE CONFIGURATION	
Voltage	JP80
3.3v (DX4)	pins 3 & 5, 4 & 6 closed
5v	pins 1 & 3, 2 & 4 closed

PCI BUS INTERRUPT CONFIGURATION					
Slots PC1-PC3	Slot PC4	JP10F	JP10G	JP10H	JP10K
IRQ9	N/A	1 & 2	Open	Open	Open
IRQ10	N/A	Open	1 & 2	Open	Open
IRQ11	N/A	Open	Open	1 & 2	Open
N/A	IRQ14	Open	Open	Open	2 & 4

Note: Pins designated should be in the closed position.