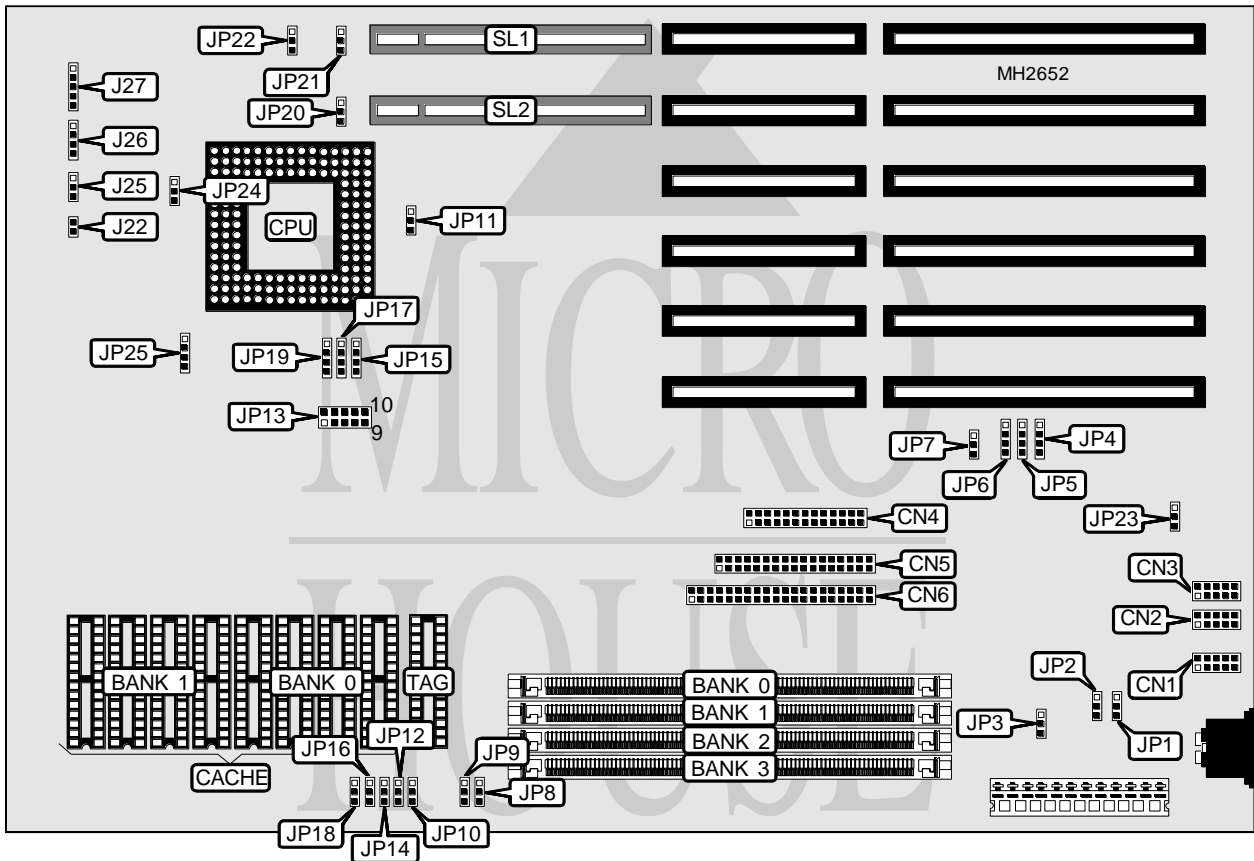


AMERICAN PREDATOR CORPORATION PREDATOR I PLUS OVERDRIVE

Processor	80486SX/80487SX/80486DX/80486DX2/80486DX4/Pentium Overdrive
Processor Speed	20/25/33/40/50(internal)/50/66(internal)/75(internal)/83(internal)/ 100(internal)MHz
Chip Set	Symphony
Max. Onboard DRAM	64MB
Cache	128/256KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	32-bit VESA local bus slots (2), floppy drive interface, IDE interface, parallel port, PS/2 mouse interface, serial ports (2)
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse interface	CN1	5v ground	J22
Serial port 2	CN2	Turbo LED	J25
Serial port 1	CN3	Speaker	J26
Parallel port	CN4	Power LED & keylock	J27
Floppy drive interface	CN5	32-bit VESA local bus slots	SL1 & SL2
IDE interface	CN6		

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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 Monitor type select color	JP2	pins 1 & 2 closed
Monitor type select monochrome	JP2	pins 2 & 3 closed
í Mouse IRQ12 enabled	JP3	pins 1 & 2 closed
Mouse IRQ12 disabled	JP3	pins 2 & 3 closed
í Serial port 2 IRQ select IRQ3	JP4	pins 1 & 2 closed
Serial port 2 IRQ select IRQ9	JP4	pins 2 & 3 closed
Serial port 2 IRQ select disabled	JP4	pins 3 & 4 closed
í Parallel port IRQ select IRQ7	JP5	pins 1 & 2 closed
Parallel port IRQ select IRQ5	JP5	pins 2 & 3 closed
Parallel port IRQ select disabled	JP5	pins 3 & 4 closed
í Serial port 1 IRQ select IRQ4	JP6	pins 1 & 2 closed
Serial port 1 IRQ select IRQ5	JP6	pins 2 & 3 closed
Serial port 1 IRQ select disabled	JP6	pins 3 & 4 closed
í On board I/O enabled	JP7	pins 1 & 2 closed
On board I/O disabled	JP7	pins 2 & 3 closed
í BIOS type select normal	JP23	pins 1 & 2 closed
BIOS type select emergency	JP23	pins 2 & 3 closed

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	NONE	NONE	NONE
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) 512K 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) 1M x 36	NONE	NONE	NONE
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
5MB	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
6MB	(1) 512K x 36	(1) 1M x 36	NONE	NONE
6MB	(1) 1M x 36	(1) 512K x 36	NONE	NONE
7MB	(1) 256K x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
7MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
8MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
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) 2M x 36	NONE	NONE
10MB	(1) 512K x 36	(1) 2M x 36	NONE	NONE
10MB	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
10MB	(1) 2M x 36	(1) 512K x 36	NONE	NONE
11MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
12MB	(1) 1M 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
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) 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
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) 4M x 36	NONE	NONE	NONE
17MB	(1) 256K x 36	(1) 4M x 36	NONE	NONE
18MB	(1) 512K x 36	(1) 4M x 36	NONE	NONE
18MB	(1) 4M x 36	(1) 512K x 36	NONE	NONE
19MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE
20MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
20MB	(1) 4M x 36	(1) 1M x 36	NONE	NONE
22MB	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
24MB	(1) 2M x 36	(1) 4M x 36	NONE	NONE
24MB	(1) 4M x 36	(1) 2M 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) 1M 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
32MB	(1) 2M 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) 4M x 36	NONE	NONE
33MB	(1) 256K x 36	(1) 8M x 36	NONE	NONE
34MB	(1) 512K x 36	(1) 8M x 36	NONE	NONE
34MB	(1) 8M x 36	(1) 512K x 36	NONE	NONE
35MB	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
36MB	(1) 1M x 36	(1) 8M x 36	NONE	NONE
36MB	(1) 8M x 36	(1) 1M x 36	NONE	NONE
38MB	(1) 8M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
40MB	(1) 2M x 36	(1) 8M x 36	NONE	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) 4M x 36	NONE	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) 2M 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
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

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

CACHE JUMPER CONFIGURATION							
Size	JP8	JP9	JP10	JP12	JP14	JP16	JP18
128KB	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
256KB	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION				
Type	JP15	JP17	JP19	JP24
80486SX	pins 3 & 4 closed	pins 3 & 4 closed	pins 3 & 4 closed	pins 1 & 2 closed
80487SX	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed
80486DX	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
80486DX2	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
80486DX4	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
Pentium Overdrive	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed

CPU SPEED CONFIGURATION					
Speed	JP11	JP13	JP20	JP21	JP25
20MHz	1 & 2	1 & 2	2 & 3	1 & 2	N/A
25MHz	1 & 2	3 & 4	2 & 3	1 & 2	N/A
33MHz	1 & 2	5 & 6	2 & 3	1 & 2	N/A
40MHz	1 & 2	7 & 8	2 & 3	1 & 2	N/A
50iMHz	1 & 2	3 & 4	2 & 3	1 & 2	N/A
50MHz	2 & 3	9 & 10	1 & 2	2 & 3	N/A
66iMHz	1 & 2	5 & 6	2 & 3	1 & 2	N/A
75iMHz	1 & 2	3 & 4	2 & 3	1 & 2	1 & 2
83iMHz	1 & 2	5 & 6	2 & 3	1 & 2	3 & 4
100iMHz	1 & 2	5 & 6	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

VESA WAIT STATE CONFIGURATION	
Wait states	JP22
0 wait states	pins 1 & 2 closed
1 wait state	pins 2 & 3 closed