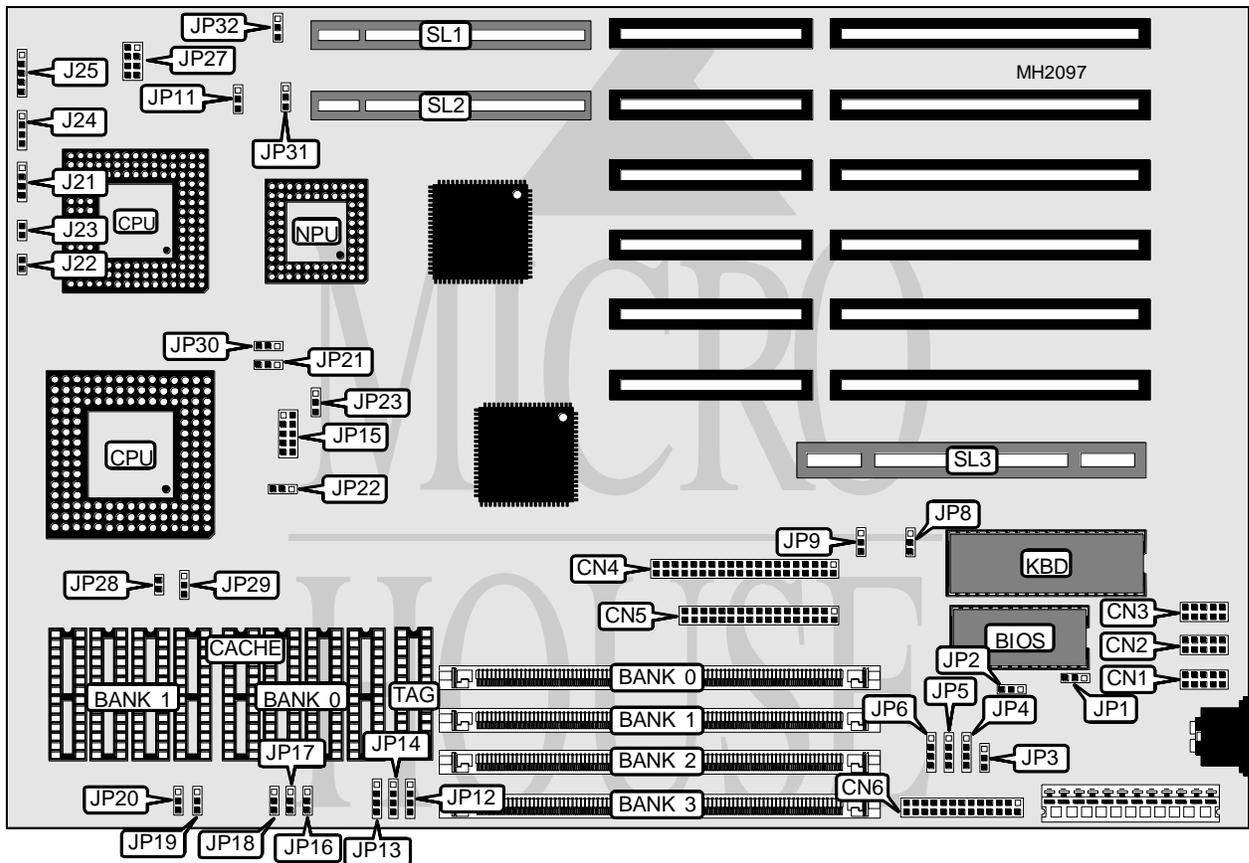


AMERICAN PREDATOR CORPORATION PREDATOR I PLUS

Processor	80386DX/AMD386DX/80486SX/80487SX/CX486DLC/80486DX/AMD486DX/ 80486DX2/Pentium Overdrive
Processor Speed	20/25/33/40/50/50(internal)/66(internal)MHz
Chip Set	Symphony
Max. Onboard DRAM	64MB
Cache	64/128/256KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	32-bit VESA local bus slots (2), 32-bit proprietary slot, floppy drive interface, IDE interface, parallel port, serial ports (2)
NPU Options	80387



CONNECTIONS			
Purpose	Location	Purpose	Location
Mouse connector	CN1	Reset switch	J22
Serial port 2	CN2	IDE interface LED	J23
Serial port 1	CN3	Speaker	J24
IDE interface	CN4	Power LED & keylock	J25
Floppy drive interface	CN5	32-bit VESA Local bus slots	SL1, SL2
Parallel port	CN6	32-bit proprietary slot	SL3
Turbo switch & LED	J21		

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í RTC normal operation	JP1	pins 1 & 2 closed
RTC reset	JP1	pins 2 & 3 closed
í Flash ROM BIOS normal operation	JP2	pins 1 & 2 closed
Flash ROM BIOS emergency backup operation	JP2	pins 2 & 3 closed
í Standard I/O enabled	JP3	pins 1 & 2 closed
Standard I/O disabled	JP3	pins 2 & 3 closed
í Monitor type select color	JP8	pins 1 & 2 closed
Monitor type select monochrome	JP8	pins 2 & 3 closed
í Mouse set IRQ 12	JP9	pins 1 & 2 closed
Mouse disabled	JP9	pins 2 & 3 closed

SERIAL PORT (COM1) IRQ CONFIGURATION	
IRQ	JP5
IRQ4	pins 1 & 2 closed
IRQ5	pins 2 & 3 closed
Disabled	pins 3 & 4 closed

SERIAL PORT (COM2) IRQ CONFIGURATION	
IRQ	JP6
IRQ3	pins 1 & 2 closed
IRQ9	pins 2 & 3 closed
Disabled	pins 3 & 4 closed

PARALLEL PORT IRQ CONFIGURATION	
Address	JP4
IRQ7	pins 1 & 2 closed
IRQ5	pins 2 & 3 closed
Disabled	pins 3 & 4 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) 256K x 36	(1) 256K x 36	NONE
3MB	(1) 512K x 36	(1) 256K x 36	NONE	NONE
4MB	(1) 512K x 36	(1) 512K x 36	NONE	NONE
4MB	(1) 256K x 36			
4MB	(1) 1M x 36	NONE	NONE	NONE
5MB	(1) 512K x 36	(1) 512K x 36	(1) 256K x 36	NONE
5MB	(1) 1M x 36	(1) 256K x 36	NONE	NONE

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
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
8MB	(1) 512K x 36			
8MB	(1) 2M x 36	NONE	NONE	NONE
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
9MB	(1) 2M x 36	(1) 256K x 36	NONE	NONE
9MB	(1) 1M x 36	(1) 256K x 36	(1) 512K x 36	(1) 512K x 36
10MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K 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) 2M x 36	(1) 1M x 36	NONE	NONE
13MB	(1) 2M x 36	(1) 1M x 36	(1) 256K x 36	NONE
14MB	(1) 2M x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
14MB	(1) 2M x 36	(1) 1M x 36	(1) 512K x 36	NONE
16MB	(1) 2M x 36	(1) 2M x 36	NONE	NONE
16MB	(1) 4M x 36	NONE	NONE	NONE
16MB	(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	NONE	(1) 2M x 36	(1) 2M x 36
18MB	(1) 512K x 36	NONE	(1) 2M x 36	(1) 2M x 36
18MB	(1) 2M x 36	(1) 2M x 36	(1) 512K x 36	NONE
18MB	(1) 4M x 36	(1) 512K x 36	NONE	NONE
19MB	(1) 4M x 36	(1) 512K x 36	(1) 256K x 36	NONE
21MB	(1) 4M x 36	(1) 1M x 36	(1) 256K x 36	NONE
21MB	(1) 4M x 36	(1) 256K x 36	(1) 512K x 36	(1) 512K x 36
22MB	(1) 4M x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
24MB	(1) 4M x 36	(1) 2M x 36	NONE	NONE
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	NONE
25MB	(1) 4M x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
28MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
32MB	(1) 8M x 36	NONE	NONE	NONE
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
32MB	(1) 2M x 36			
33MB	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36	NONE
33MB	(1) 8M x 36	(1) 256K x 36	NONE	NONE
34MB	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36	NONE

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
34MB	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
35MB	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
36MB	(1) 8M x 36	(1) 1M x 36	NONE	NONE
36MB	(1) 8M x 36	(1) 512K x 36	(1) 512K x 36	NONE
37MB	(1) 8M x 36	(1) 1M x 36	(1) 256K x 36	NONE
38MB	(1) 8M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
40MB	(1) 8M x 36	(1) 2M x 36	NONE	NONE
40MB	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36	NONE
41MB	(1) 8M x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
41MB	(1) 8M x 36	(1) 2M x 36	(1) 256K x 36	NONE
42MB	(1) 8M x 36	(1) 2M x 36	(1) 512K x 36	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
49MB	(1) 8M x 36	(1) 4M x 36	(1) 256K x 36	NONE
50MB	(1) 8M x 36	(1) 4M x 36	(1) 512K x 36	NONE
52MB	(1) 8M x 36	(1) 4M x 36	(1) 1M x 36	NONE
56MB	(1) 8M x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
64MB	(1) 8M x 36	(1) 8M x 36	NONE	NONE

Note: SIMMS installed in banks 2 and 3 must be of the same size. At least one SIMM must be installed at a time. The order they should be filled is from the inside of the board outward.

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

CACHE JUMPER CONFIGURATION				
Size	JP12	JP13	JP14	JP16
64KB	pins 1 & 2 closed			
128KB	pins 2 & 3 closed			
256KB	pins 3 & 4 closed	pins 3 & 4 closed	pins 3 & 4 closed	pins 1 & 2 closed

CACHE JUMPER CONFIGURATION (CON'T)				
Size	JP17	JP18	JP19	JP20
64KB	pins 1 & 2 closed			
128KB	pins 2 & 3 closed			
256KB	pins 1 & 2 closed			

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CPU TYPE/CACHE SIZE CONFIGURATION			
CPU Type	Cache Size	JP28	JP29
Any 486 xX	64KB	pins 1 & 2 closed	pins 1 & 2 closed
Any 486 xX	128KB	pins 1 & 2 closed	pins 1 & 2 closed
Any 486 xX	256KB	pins 1 & 2 closed	pins 1 & 2 closed
386 or 486DLC	64KB	pins 2 & 3 closed	pins 2 & 3 closed
386 or 486DLC	128KB	pins 1 & 2 closed	pins 1 & 2 closed
386 or 486DLC	256KB	pins 2 & 3 closed	pins 2 & 3 closed

CPU TYPE CONFIGURATION				
CPU Type	JP22	JP23	JP27	JP30
80386DX	pins 1 & 2 closed	pins 1 & 2 closed	pins 7 & 8 closed	pins 1 & 2 closed
80486SX	pins 1 & 2 closed	pins 1 & 2 closed	pins 5 & 6 closed	pins 1 & 2 closed
80486DLC	pins 2 & 3 closed	pins 2 & 3 closed	pins 7 & 8 closed	pins 2 & 3 closed
80487SX	pins 1 & 2 closed	pins 1 & 2 closed	pins 3 & 4 closed	pins 1 & 2 closed
80486DX	pins 1 & 2 closed			
80486DX2	pins 1 & 2 closed			
Pentium Overdrive	pins 1 & 2 closed	pins 1 & 2 closed	pins 3 & 4 closed	pins 1 & 2 closed

CPU SPEED CONFIGURATION				
Speed	JP15	JP21	JP31	JP32
20MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
25MHz	pins 3 & 4 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
33MHz	pins 5 & 6 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
40MHz	pins 7 & 8 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
50MHz	pins 9 & 10 closed	pins 2 & 3 closed	pins 1 & 2 closed*	pins 2 & 3 closed*
50iMHz	pins 3 & 4 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
66iMHz	pins 5 & 6 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed

Note: Only if using local bus adaptors, otherwise same settings as row above. (reversed)

VESA WAIT STATE CONFIGURATION	
Wait states	JP11
0 wait states	pins 1 & 2 closed
1 wait state	pins 2 & 3 closed