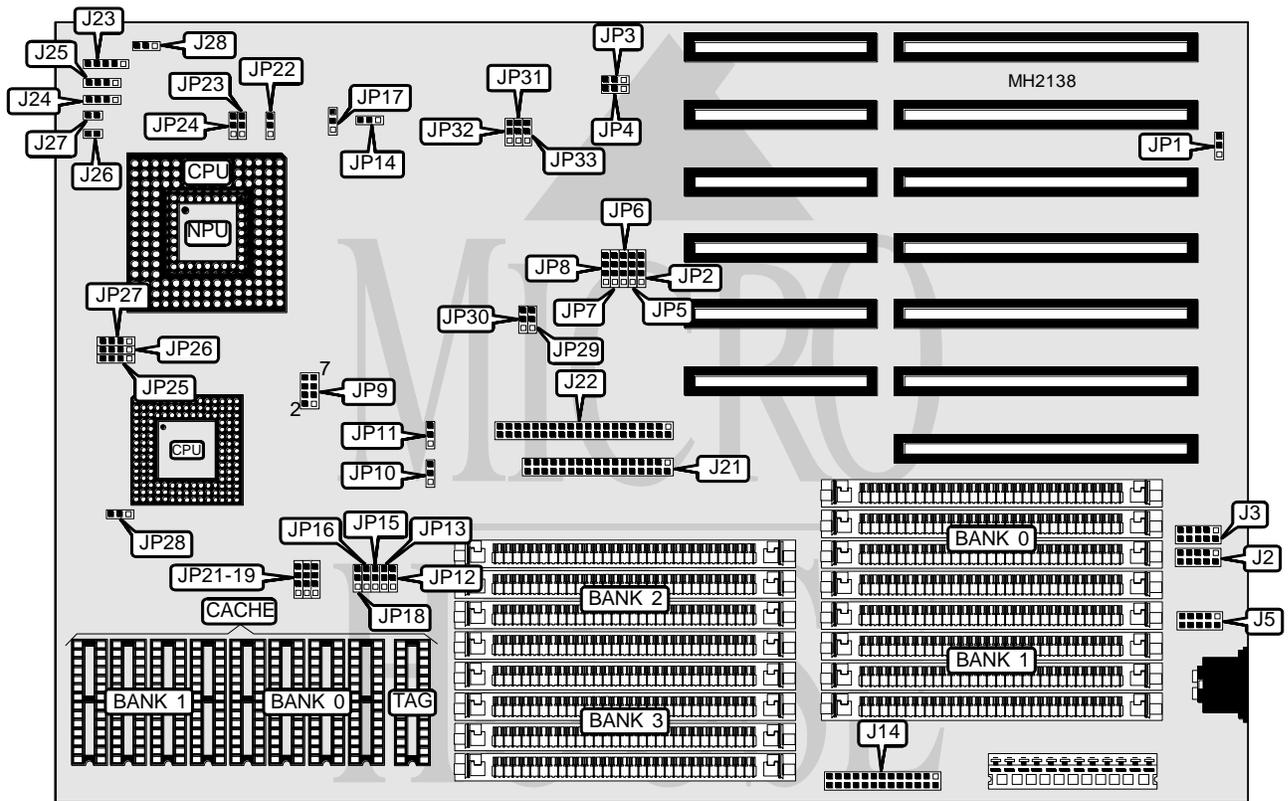


AMERICAN PREDATOR CORPORATION PREDATOR

Processor 80386DX/CX486DLC/80486SX/AMD486DX/80486DX/80486DX2
Processor Speed 20/25/33/40/50(internal)/50/66(internal)MHz
Chip Set Symphony
Max. Onboard DRAM 64MB
Cache 64/128/256KB
BIOS AMI
Dimensions 330mm x 218mm
I/O Options Floppy drive interface, IDE interface, parallel port, serial ports (2), PS/2 mouse connector
NPU Options 80387DX



CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 2	J2	Turbo switch	J24 (pins 1 & 2)
Serial port 1	J3	Turbo LED	J24 (pins 3 & 4)
PS/2 mouse port	J5	Speaker	J25
Parallel port	J14	Reset switch	J26
Floppy drive interface	J21	IDE interface LED	J27
IDE interface	J22	Front panel connector	J28
Power LED & keylock	J23		

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í On board mouse enabled (IRQ12)	JP1	pins 1 & 2 closed
On board mouse disabled (IRQ12)	JP1	pins 2 & 3 closed
í Flash BIOS write protect disabled	JP3	pins 1 & 2 closed
Flash BIOS write protect enabled	JP3	pins 2 & 3 closed
í BIOS address type select standard	JP4	pins 2 & 3 closed
BIOS address type select flash	JP4	pins 1 & 2 closed
í Parallel port IRQ select IRQ7	JP8	pins 1 & 2 closed
Parallel port IRQ select IRQ5	JP8	pins 2 & 3 closed
Parallel port IRQ disabled	JP8	pins 3 & 4 closed
í Monitor type select color	JP14	pins 1 & 2 closed
Monitor type select monochrome	JP14	pins 2 & 3 closed
í CMOS memory normal operation	JP17	pins 1 & 2 closed
CMOS memory clear	JP17	pins 2 & 3 closed
í Factory configured - do not alter	JP22	pins 1 & 2 closed
í Factory configured - do not alter	JP28	pins 2 & 3 closed
í On board I/O ports enabled	JP33	pins 1 & 2 closed
On board I/O ports disabled	JP33	pins 2 & 3 closed

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(4) 256K x 9	NONE	NONE	NONE
2MB	(4) 256K x 9	(4) 256K x 9	NONE	NONE
3MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	NONE
4MB	(4) 256K x 9			
4MB	(4) 1M x 9	NONE	NONE	NONE
5MB	(4) 1M x 9	(4) 256K x 9	NONE	NONE
6MB	(4) 1M x 9	(4) 256K x 9	(4) 256K x 9	NONE
7MB	(4) 1M x 9	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9
8MB	(4) 1M x 9	(4) 1M x 9	NONE	NONE
9MB	(4) 1M x 9	(4) 1M x 9	(4) 256K x 9	NONE
10MB	(4) 1M x 9	(4) 1M x 9	(4) 256K x 9	(4) 256K x 9
12MB	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	NONE
16MB	(4) 1M x 9			
16MB	(4) 4M x 9	NONE	NONE	NONE
17MB	(4) 4M x 9	(4) 256K x 9	NONE	NONE
18MB	(4) 4M x 9	(4) 256K x 9	(4) 256K x 9	NONE
19MB	(4) 4M x 9	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9
20MB	(4) 4M x 9	(4) 1M x 9	NONE	NONE
21MB	(4) 4M x 9	(4) 1M x 9	(4) 256K x 9	NONE
22MB	(4) 4M x 9	(4) 1M x 9	(4) 256K x 9	(4) 256K x 9
24MB	(4) 4M x 9	(4) 1M x 9	(4) 1M x 9	NONE
28MB	(4) 4M x 9	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9
32MB	(4) 4M x 9	(4) 4M x 9	NONE	NONE
33MB	(4) 4M x 9	(4) 4M x 9	(4) 256K x 9	NONE
34MB	(4) 4M x 9	(4) 4M x 9	(4) 256K x 9	(4) 256K x 9

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
36MB	(4) 4M x 9	(4) 4M x 9	(4) 1M x 9	NONE
37MB	(4) 256K x 9	(4) 1M x 9	(4) 4M x 9	(4) 4M x 9
40MB	(4) 4M x 9	(4) 4M x 9	(4) 1M x 9	(4) 1M x 9
48MB	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9	NONE
49MB	(4) 256K x 9	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9
52MB	(4) 4M x 9	(4) 1M x 9	(4) 4M x 9	(4) 4M x 9
64MB	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9

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	JP15	JP16	JP18	JP19	JP20	JP21
64KB	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
128KB	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3
256KB	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	3 & 4	3 & 4	3 & 4

Note: Pins designated should be in the closed position.

CPU/CACHE JUMPER CONFIGURATION (64KB)		
Size	JP29	JP30
80386DX/486DLC	pins 2 & 3 closed	pins 2 & 3 closed
80486SX/DX/DX2	pins 1 & 2 closed	pins 1 & 2 closed

CPU/CACHE JUMPER CONFIGURATION (128KB)		
Size	JP29	JP30
80386DX/486DLC	pins 1 & 2 closed	pins 1 & 2 closed
80486SX/DX/DX2	pins 1 & 2 closed	pins 1 & 2 closed

CPU/CACHE JUMPER CONFIGURATION (256KB)		
Size	JP29	JP30
80386DX/486DLC	pins 2 & 3 closed	pins 2 & 3 closed
80486SX/DX/DX2	pins 1 & 2 closed	pins 1 & 2 closed

CACHE WAIT STATE JUMPER CONFIGURATION		
Wait state	JP10	JP11
0 wait states	pins 1 & 2 closed	pins 1 & 2 closed
1 wait state	pins 2 & 3 closed	pins 2 & 3 closed

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CPU TYPE CONFIGURATION					
Type	JP25	JP26	JP27	JP31	JP32
80386DX	N/A	N/A	N/A	1 & 2	1 & 2
486DLC	N/A	N/A	N/A	1 & 2	1 & 2
80486SX	3 & 4	3 & 4	3 & 4	2 & 3	2 & 3
80486DX	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
80486DX2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED CONFIGURATION			
Speed	JP9	JP23	JP24
20MHz	pins 5 & 6 closed	pins 1 & 2 closed	pins 1 & 2 closed
25MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
33MHz	pins 7 & 8 closed	pins 1 & 2 closed	pins 1 & 2 closed
40MHz	pins 3 & 4 closed	pins 1 & 2 closed	pins 1 & 2 closed
50iMHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
50MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed
66iMHz	pins 7 & 8 closed	pins 1 & 2 closed	pins 1 & 2 closed

INTERRUPT JUMPER CONFIGURATION (IRQ3)	
Serial port	JP6
í Port 2	pins 2 & 3 closed
Port 1	pins 1 & 2 closed
Disabled	pins 3 & 4 closed

INTERRUPT JUMPER CONFIGURATION (IRQ4)	
Serial port	JP5
í Port 1	pins 1 & 2 closed
Port 2	pins 2 & 3 closed
Disabled	pins 3 & 4 closed

INTERRUPT JUMPER CONFIGURATION (IRQ5)	
Serial port	JP2
í Disabled	pins 3 & 4 closed
Port 1	pins 1 & 2 closed
Port 2	pins 2 & 3 closed

INTERRUPT JUMPER CONFIGURATION (IRQ9)	
Serial port	JP7
í Disabled	pins 3 & 4 closed
Port 1	pins 1 & 2 closed
Port 2	pins 2 & 3 closed