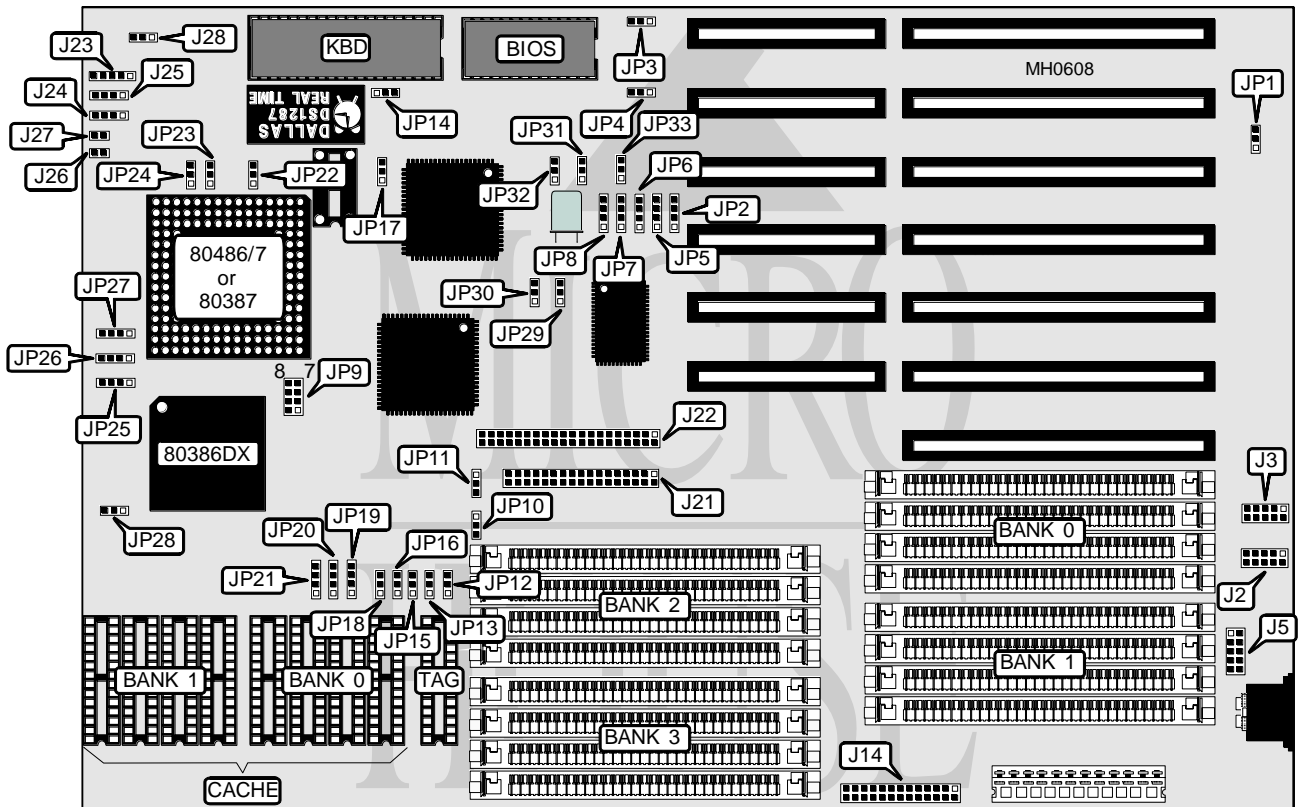


DEICO ELECTRONICS, INC. PREDATOR I

Processor 80386DX/80486SX/80487SX/80486DX
Processor Speed 20/25/33/40/50/66MHz
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, PS/2 mouse port, serial ports (2)
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	CPU speed display	J28
Power LED & keylock	J23		

Continued on next page . . .

DEICO ELECTRONICS, INC.

PREDATOR I

... continued from previous page

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í IRQ12 select PS/2 mouse port	JP1	pins 1 & 2 closed
IRQ12 disabled	JP1	pins 2 & 3 closed
í Flash BIOS write enabled	JP3	pins 1 & 2 closed
Flash BIOS write disabled	JP3	pins 2 & 3 closed
í BIOS select standard address	JP4	pins 2 & 3 closed
BIOS select Flash address	JP4	pins 1 & 2 closed
í Monitor type select color	JP14	pins 1 & 2 closed
Monitor type select monochrome	JP14	pins 2 & 3 closed
í Real time clock select normal operation	JP17	pins 1 & 2 closed
Real time clock clear	JP17	pins 2 & 3 closed
í NPU mode select synchronous with CPU	JP22	pins 1 & 2 closed
NPU mode select asynchronous with CPU	JP22	pins 2 & 3 closed
í Factory configured - do not alter	JP28	pins 2 & 3 closed
í Expansion bus enabled	JP33	pins 1 & 2 closed
Expansion bus 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	(4) 256K x 9	(4) 256K x 9	(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	(4) 1M x 9	(4) 1M x 9	(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

Continued on next page . . .

DEICO ELECTRONICS, INC.

PREDATOR I

... continued from previous page

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.

SYSTEM JUMPER CONFIGURATION WITH 64KB CACHE									
CPU type	CPU speed	JP9	JP10	JP11	JP23		JP26	JP29	JP31
					JP24	JP25			
80386DX	25MHz	1 & 2	1 & 2	1 & 2	1 & 2	N/A	N/A	2 & 3	1 & 2
80386DX	33MHz	7 & 8	1 & 2	1 & 2	1 & 2	N/A	N/A	2 & 3	1 & 2
80386DX	40MHz	3 & 4	1 & 2	1 & 2	1 & 2	N/A	N/A	2 & 3	1 & 2
80486SX	20MHz	5 & 6	1 & 2	1 & 2	1 & 2	3 & 4	3 & 4	1 & 2	2 & 3
80486SX	25MHz	1 & 2	1 & 2	1 & 2	1 & 2	3 & 4	3 & 4	1 & 2	2 & 3
80487SX	20MHz	5 & 6	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3
80487SX	25MHz	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3
80486DX	25MHz	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
80486DX	33MHz	7 & 8	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
80486DX	50MHz	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3

Note: Speeds indicate the external speed of the CPU.
Pins designated should be in the closed position.

Continued on next page...

DEICO ELECTRONICS, INC.

PREDATOR I

... continued from previous page

SYSTEM JUMPER CONFIGURATION WITH 128KB CACHE										
CPU type	CPU speed	JP9	JP10	JP11	JP23		JP26		JP29	
					JP24	JP25	JP27	JP30	JP31	JP32
80386DX	25MHz	1 & 2	1 & 2	1 & 2	1 & 2	N/A	N/A	1 & 2	1 & 2	1 & 2
80386DX	33MHz	7 & 8	1 & 2	1 & 2	1 & 2	N/A	N/A	1 & 2	1 & 2	1 & 2
80386DX	40MHz	3 & 4	1 & 2	1 & 2	1 & 2	N/A	N/A	1 & 2	1 & 2	1 & 2
80486SX	20MHz	5 & 6	1 & 2	1 & 2	1 & 2	3 & 4	3 & 4	1 & 2	2 & 3	2 & 3
80486SX	25MHz	1 & 2	1 & 2	1 & 2	1 & 2	3 & 4	3 & 4	1 & 2	2 & 3	2 & 3
80487SX	20MHz	5 & 6	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
80487SX	25MHz	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
80486DX	25MHz	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
80486DX	33MHz	7 & 8	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
80486DX	50MHz	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3

Note: Speeds indicate the external speed of the CPU.
Pins designated should be in the closed position.

SYSTEM JUMPER CONFIGURATION WITH 256KB CACHE										
CPU type	CPU speed	JP9	JP10	JP11	JP23		JP26		JP29	
					JP24	JP25	JP27	JP30	JP31	JP32
80386DX	25MHz	1 & 2	1 & 2	1 & 2	1 & 2	N/A	N/A	2 & 3	1 & 2	1 & 2
80386DX	33MHz	7 & 8	1 & 2	1 & 2	1 & 2	N/A	N/A	2 & 3	1 & 2	1 & 2
80386DX	40MHz	3 & 4	1 & 2	1 & 2	1 & 2	N/A	N/A	2 & 3	1 & 2	1 & 2
80486SX	20MHz	5 & 6	1 & 2	1 & 2	1 & 2	3 & 4	3 & 4	1 & 2	2 & 3	2 & 3
80486SX	25MHz	1 & 2	1 & 2	1 & 2	1 & 2	3 & 4	3 & 4	1 & 2	2 & 3	2 & 3
80487SX	20MHz	5 & 6	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
80487SX	25MHz	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
80486DX	25MHz	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
80486DX	33MHz	7 & 8	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
80486DX	50MHz	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3

Note: Speeds indicate the external speed of the CPU.
Pins designated should be in the closed position.

Continued on next page ...

DEICO ELECTRONICS, INC.

PREDATOR I

... continued from previous page

SERIAL PORT IRQ CONFIGURATION					
Port 1 (J3)	Port 2 (J2)	JP2	JP5	JP6	JP7
IRQ3	IRQ4	1 & 2	3 & 4	2 & 3	3 & 4
IRQ3	IRQ5	1 & 2	2 & 3	3 & 4	3 & 4
IRQ3	IRQ9	1 & 2	3 & 4	3 & 4	2 & 3
IRQ3	Disabled	1 & 2	3 & 4	3 & 4	3 & 4
IRQ4	IRQ3	2 & 3	3 & 4	1 & 2	3 & 4
IRQ4	IRQ5	3 & 4	2 & 3	1 & 2	3 & 4
IRQ4	IRQ9	3 & 4	3 & 4	1 & 2	2 & 3
IRQ4	Disabled	3 & 4	3 & 4	1 & 2	3 & 4
IRQ5	IRQ3	2 & 3	1 & 2	3 & 4	3 & 4
IRQ5	IRQ4	3 & 4	1 & 2	2 & 3	3 & 4
IRQ5	IRQ9	3 & 4	1 & 2	3 & 4	2 & 3
IRQ5	Disabled	3 & 4	1 & 2	3 & 4	3 & 4
IRQ9	IRQ3	2 & 3	3 & 4	3 & 4	1 & 2
IRQ9	IRQ4	3 & 4	3 & 4	2 & 3	1 & 2
IRQ9	IRQ5	3 & 4	2 & 3	3 & 4	1 & 2
IRQ9	Disabled	3 & 4	3 & 4	3 & 4	1 & 2
Disabled	IRQ3	2 & 3	3 & 4	3 & 4	3 & 4
Disabled	IRQ4	3 & 4	3 & 4	2 & 3	3 & 4
Disabled	IRQ5	3 & 4	2 & 3	3 & 4	3 & 4
Disabled	IRQ9	3 & 4	3 & 4	3 & 4	2 & 3
Disabled	Disabled	3 & 4	3 & 4	3 & 4	3 & 4

Note: The main board will automatically adjust the COM ports of the onboard serial ports when an external serial port is installed, but you must manually change the interrupts. (e.g. With one external serial port installed, Port 1 (J3) is now COM2 and Port 2 (J2) is COM3. In this case Port 1 should be set to IRQ3 and Port 2 should be set to IRQ4.)
Please refer to the following table for a further explanation.
Pins designated should be in the closed position.

SERIAL PORT CONFIGURATION			
External Serial Port 1	External Serial Port 2	Onboard Port 1 (J3)	Onboard Port 2 (J2)
NONE	NONE	COM1/IRQ4	COM2/IRQ3
COM1/IRQ4	NONE	COM2/IRQ3	COM3/IRQ4
COM1/IRQ4	COM2/IRQ3	COM3/IRQ4	COM4/IRQ3

Note: An external serial port could be an internal modem, a multi I/O card, or a serial card.
IRQ5 & IRQ9 are also available but should only be used if there is a conflict with IRQ3 or IRQ4.

PARALLEL PORT (J14) CONFIGURATION		
External Parallel Port	Onboard Parallel port (J14)	JP8
NONE	LPT1/IRQ7	pins 1 & 2 closed
LPT1/IRQ7	LPT2/IRQ5	pins 2 & 3 closed
N/A	Disabled	pins 3 & 4 closed

Note: The main board will automatically adjust the LPT ports of the onboard parallel port when an external parallel port is installed, but you must manually change the interrupts.