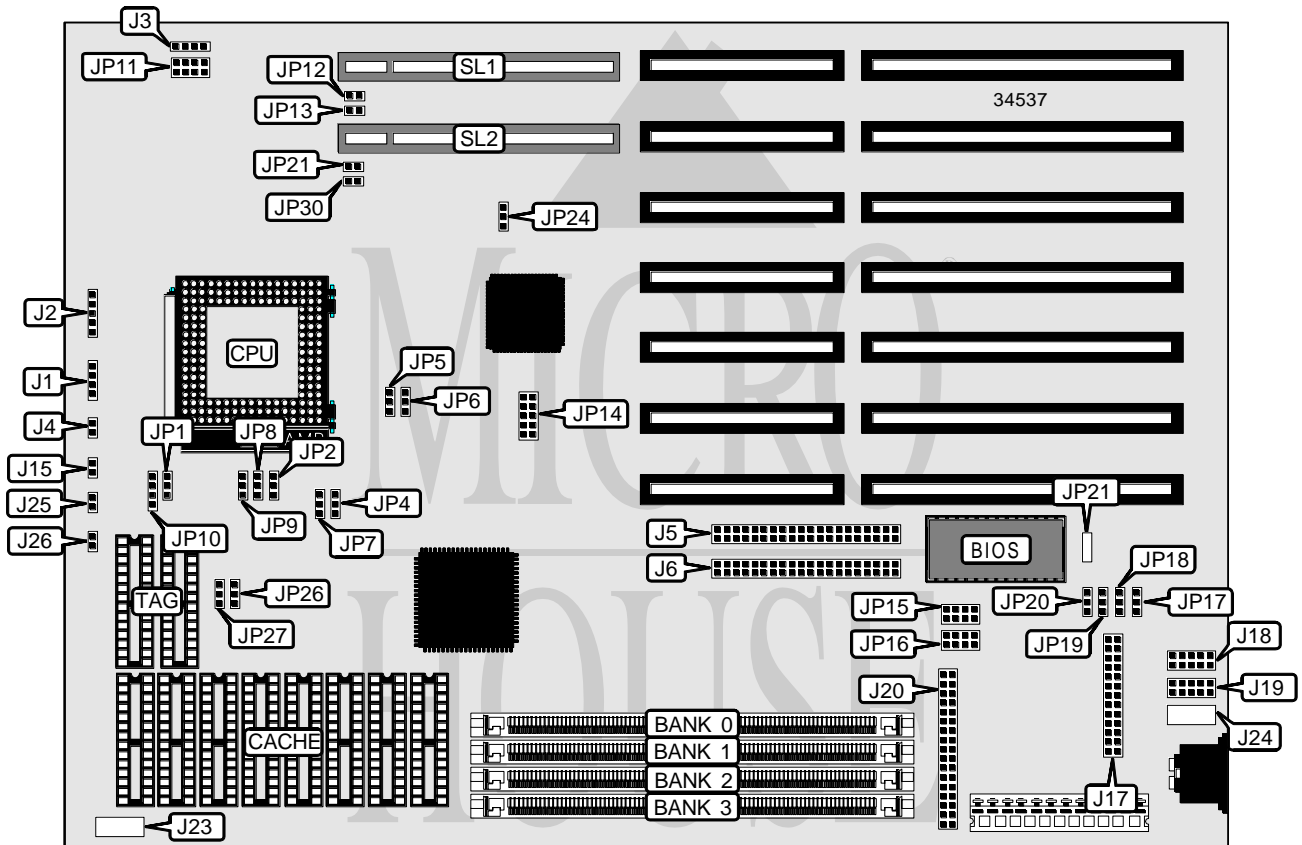


INDUSTRIAL COMPUTER SOURCE

486MBS SERIES

Processor	SL80486SX/80486DX/SL80486DX/AM486DX2/AM486DX4/	AM
	5X86/CX5X86	
Processor Speed	20/25/33/40/50(internal)/50/66(internal)/75(internal)/ 100(internal)MHz	
Chip Set	C & T	
Video Chip Set	None	
Maximum Onboard Memory	128MB	
Maximum Video Memory	None	
Cache	128/256KB	
BIOS	AMI	
Dimensions	330mm x 218mm	
I/O Options	32-bit VESA local bus slots (2), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2)	
NPU Options	None	



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INDUSTRIAL COMPUTER SOURCE

486 MBS SERIES

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CONNECTIONS			
Purpose	Location	Purpose	Location
Speaker	J1	Serial port 2	J18
Power LED & keylock	J2	Serial port 1	J19
External battery	J3	Floppy drive interface	J20
IDE interface LED	J4	Auxiliary keyboard connector	J23
IDE interface 1	J5	PS/2 mouse interface	J24
IDE interface 2	J6	Reset switch	J25
Reset switch	J15	Turbo switch	J26
Parallel port	J17	32-bit VESA local bus slots	SL1 & SL2

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í On board I/O enabled	JP17	Pins 1 & 2 closed
On board I/O disabled	JP17	Pins 2 & 3 closed
í Factory configured - do not alter	JP21	Unidentified
í CMOS memory normal operation	JP24	Pins 1 & 2 closed
CMOS memory clear	JP24	Pins 2 & 3 closed

SIMM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	None	None	None
2MB	(1) 512K x 36	None	None	None
2MB	(1) 256K x 36	(1) 256K x 36	None	None
3MB	(1) 512K x 36	(1) 256K x 36	None	None
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	None
4MB	(1) 1M x 36	None	None	None
4MB	(1) 512K 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
5MB	(1) 1M x 36	(1) 256K x 36	None	None
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	None
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
7MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
8MB	(1) 2M x 36	None	None	None
8MB	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36	None
8MB	(1) 1M x 36	(1) 1M x 36	None	None
9MB	(1) 2M x 36	(1) 256K x 36	None	None
10MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	None
10MB	(1) 2M x 36	(1) 512K x 36	None	None
10MB	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
11MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
12MB	(1) 2M x 36	(1) 512K x 36	(1) 512K x 36	None

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INDUSTRIAL COMPUTER SOURCE

486 MBS SERIES

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SIMM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
12MB	(1) 2M x 36	(1) 1M x 36	None	None
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	None
16MB	(1) 4M x 36	None	None	None
16MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	None
16MB	(1) 2M x 36	(1) 2M x 36	None	None
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
17MB	(1) 4M x 36	(1) 256K x 36	None	None
18MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	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) 4M x 36	(1) 512K x 36	(1) 512K x 36	None
20MB	(1) 4M x 36	(1) 1M x 36	None	None
20MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
22MB	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	None
24MB	(1) 4M x 36	(1) 2M x 36	None	None
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	None
32MB	(1) 8M x 36	None	None	None
32MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	None
32MB	(1) 4M x 36	(1) 4M x 36	None	None
32MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
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
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) 8M x 36	(1) 512K x 36	(1) 512K x 36	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) 8M x 36	(1) 1M x 36	(1) 1M x 36	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) 2M x 36	(1) 2M x 36	None
48MB	(1) 8M x 36	(1) 4M x 36	None	None
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	None
56MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
64MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	None
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
80MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	None
112MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36

Note: Board also accepts x 32 SIMMs.

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INDUSTRIAL COMPUTER SOURCE

486 MBS SERIES

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

Note: The location of banks 0 & 1 is unidentified.

CACHE JUMPER CONFIGURATION		
Size	JP26	JP27
128KB	Pins 1 & 2 closed	Pins 2 & 3 closed
256KB	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU SPEED SELECTION	
Speed	JP14
20MHz	Pins 1 & 2 closed
25MHz	Pins 3 & 4 closed
33MHz	Pins 5 & 6 closed
40MHz	Pins 7 & 8 closed
50iMHz	Pins 3 & 4 closed
50MHz	Pins 9 & 10 closed
66iMHz	Pins 5 & 6 closed
75iMHz	Pins 3 & 4 closed
100iMHz	Pins 5 & 6 closed

CPU TYPE SELECTION					
Type	JP1	JP2	JP4	JP5	JP6
SL80486SX	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
80486DX	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
SL80486DX	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
AM486DX2 (NV8T)	2 & 3	3 & 4	1 & 2	2 & 3	2 & 3
AM486DX2 (SV8B)	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
AM486DX4 (SV8B)	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
AM 5X86 (WB)	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
CX 5X86 (WB)	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

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INDUSTRIAL COMPUTER SOURCE

486 MBS SERIES

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CPU TYPE SELECTION (CON'T)					
Type	JP7	JP8	JP9	JP10	JP11
SL80486SX	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
80486DX	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
SL80486DX	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
AM486DX2 (NV8T)	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
AM486DX2 (SV8B)	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
AM486DX4 (SV8B)	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
AM 5X86 (WB)	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
CX 5X86 (WB)	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

VL BUS WAIT STATE SELECTION		
Setting	JP12	JP30
0	Open	Open
1	Closed	Closed

VL BUS SPEED SELECTION		
Speed	JP13	JP31
<= 33MHz	Open	Open
>33 MHz	Closed	Closed

DMA CHANNEL SELECTION		
Channel	JP15	JP16
í Disabled	Pins 1 & 2 closed	Pins 1 & 2 closed
3	Pins 3 & 4 closed	Pins 3 & 4 closed
5	Pins 5 & 6 closed	Pins 5 & 6 closed
6	Pins 7 & 8 closed	Pins 7 & 8 closed

SERIAL PORT 1 INTERRUPT SELECTION	
IRQ	JP19
í IRQ4	Pins 1 & 2 closed
IRQ5	Pins 2 & 3 closed
Disabled	Open

SERIAL PORT 2 INTERRUPT SELECTION	
IRQ	JP20
í IRQ3	Pins 1 & 2 closed
IRQ9	Pins 2 & 3 closed
Disabled	Open

PARALLEL PORT INTERRUPT SELECTION	
IRQ	JP18
í IRQ7	Pins 1 & 2 closed
IRQ5	Pins 2 & 3 closed
Disabled	Open

