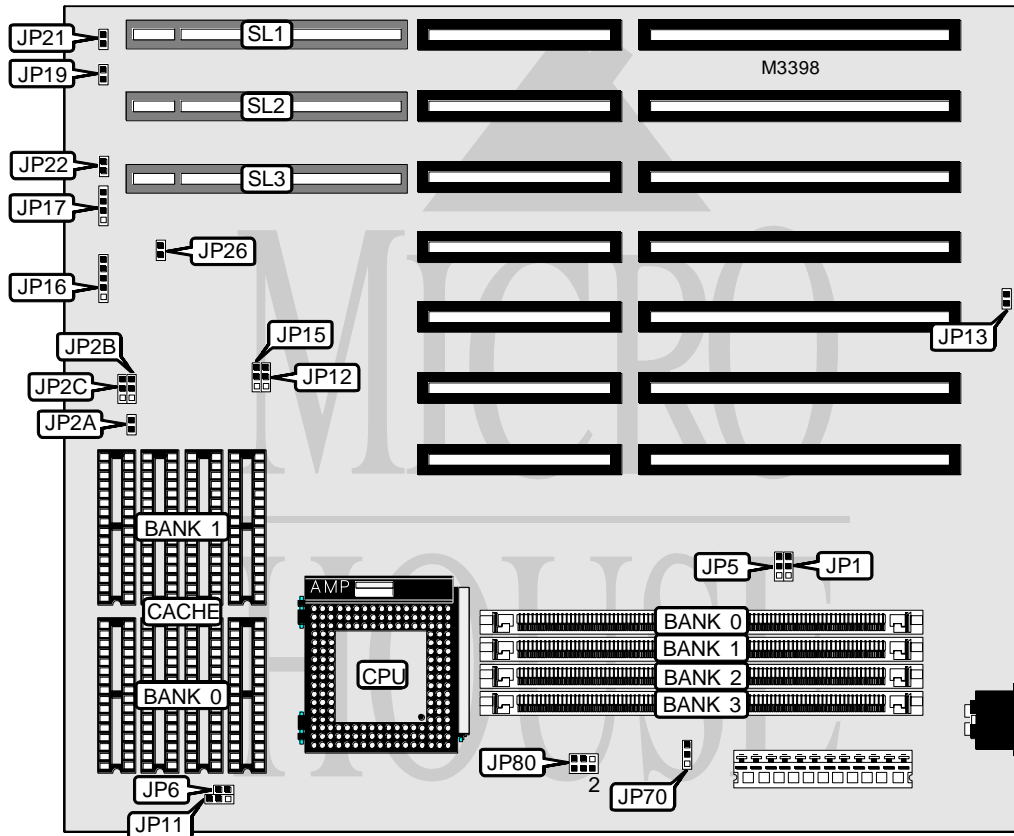


VISIONEX

486 AT MOTHERBOARD MODEL [4SPV5]

Processor	AM486SX/80486SX/CX486DX/AM486DX/80486DX/CX486DX2/ AM486DX2/80486DX2/CX486DX4/AM486DX4/80486DX4
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal)/80(internal)/ 100(internal)/120(internal)MHz
Chip Set	Unidentified
Video Chip Set	None
Maximum Onboard Memory	64MB
Maximum Video Memory	None
Cache	128/256/512/1024KB
BIOS	AMI/Award/MR
Dimensions	254mm x 218mm
I/O Options	32-bit VESA local bus slots (3)
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Power LED & keylock	JP16	Turbo LED	JP21
Speaker	JP17	Reset switch	JP26
Turbo switch	JP19	32-bit VESA local bus slots	SL1 - SL3

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USER CONFIGURABLE SETTINGS		
Function	Label	Position
í CMOS memory normal operation	JP1	Pins 1 & 2 closed
CMOS memory clear	JP1	Pins 2 & 3 closed
Flash BIOS voltage select 12v	JP5	Pins 2 & 3 closed
Flash BIOS voltage select 5v	JP5	Pins 1 & 2 closed

DRAM 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
3MB	(1) 256K x 36	(1) 512K x 36	None	None
4MB	(1) 1M x 36	None	None	None
4MB	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36	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
5MB	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
5MB	(1) 256K x 36	(1) 512K x 36	(1) 512K x 36	None
5MB	(1) 256K x 36	(1) 1M 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
6MB	(1) 512K x 36	(1) 1M x 36	None	None
7MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
7MB	(1) 256K x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K 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
8MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
9MB	(1) 2M x 36	(1) 256K x 36	None	None
9MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	None
9MB	(1) 256K x 36	(1) 2M 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
10MB	(1) 512K x 36	(1) 1M x 36	(1) 1M x 36	None
10MB	(1) 512K x 36	(1) 2M 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) 512K x 36	(1) 512K x 36	None
12MB	(1) 2M x 36	(1) 1M x 36	None	None

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	None
12MB	(1) 1M x 36	(1) 2M x 36	None	None
13MB	(1) 256K 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
14MB	(1) 512K x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
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
17MB	(1) 256K x 36	(1) 2M x 36	(1) 2M x 36	None
17MB	(1) 256K x 36	(1) 4M 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
18MB	(1) 512K x 36	(1) 2M x 36	(1) 2M x 36	None
18MB	(1) 512K x 36	(1) 4M 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
20MB	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36	None
20MB	(1) 1M x 36	(1) 4M x 36	None	None
22MB	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
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
24MB	(1) 2M x 36	(1) 4M 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) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
28MB	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
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) 256K x 36	(1) 4M x 36	(1) 4M x 36	None
34MB	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36	None
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	None
40MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
40MB	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36	None
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	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
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36

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486 AT MOTHERBOARD MODEL [4SPV5]

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DRAM JUMPER CONFIGURATION	
Setting	JP70
Banks 0, 1, 2, & 3 are used as single banks	Pins 1 & 2 closed
Banks 0 & 1 and Banks 2 & 3 used as banks 0 & 1 respectively	Pins 2 & 3 closed

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
128KB	(4) 32K x 8	None	(1) 8K x 8
256KB (A)	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
256KB (B)	(4) 64K x 8	None	(1) 32K x 8
512KB (A)	(4) 128K x 8	None	(1) 32K x 8
512KB (B)	(4) 64K x 8	(4) 64K x 8	(1) 32K x 8
1MB	(4) 128K x 8	(4) 128K x 8	(1) 128K x 8

Note: The location of the TAG is unidentified.

CACHE JUMPER CONFIGURATION			
Size	JP6	JP11	JP12
128KB	Open	Pins 2 & 3 closed	Pins 1 & 2 closed
256KB (A)	Open	Pins 1 & 2 closed	Pins 1 & 2 closed
256KB (B)	Open	Pins 2 & 3 closed	Pins 1 & 2 closed
512KB (A)	Open	Pins 2 & 3 closed	Pins 2 & 3 closed
512KB (B)	Pins 1 & 2 closed	Open	Pins 2 & 3 closed
1MB	Pins 2 & 3 closed	Open	Pins 2 & 3 closed

CPU SPEED SELECTION					
Speed	JP2A	JP2B	JP2C	JP13	JP22
25MHz	Closed	1 & 2	2 & 3	Closed	Open
33MHz	Closed	2 & 3	1 & 2	Open	Open
40MHz	Open	1 & 2	2 & 3	Open	Closed
50iMHz	Closed	1 & 2	2 & 3	Closed	Open
50MHz	Open	2 & 3	1 & 2	Open	Closed
66iMHz	Closed	2 & 3	1 & 2	Open	Open
75iMHz	Closed	1 & 2	2 & 3	Closed	Open
80iMHz	Open	1 & 2	2 & 3	Open	Closed
100iMHz	Closed	2 & 3	1 & 2	Open	Open
120iMHz	Open	1 & 2	2 & 3	Open	Closed

Note: Pins designated should be in the closed position.

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CPU TYPE SELECTION		
Type	JP15	JP80
AM486SX	Pins 1 & 2 closed	Pins 1 & 3, 2 & 4 closed
80486SX	Pins 1 & 2 closed	Pins 1 & 3, 2 & 4 closed
AM486DX	Pins 1 & 2 closed	Pins 1 & 3, 2 & 4 closed
CX486DX	Pins 2 & 3 closed	Pins 1 & 3, 2 & 4 closed
80486DX	Pins 1 & 2 closed	Pins 1 & 3, 2 & 4 closed
AM486DX2	Pins 1 & 2 closed	Pins 1 & 3, 2 & 4 closed
CX486DX2 (3.3v)	Pins 2 & 3 closed	Pins 3 & 5, 4 & 6 closed
CX486DX2 (5v)	Pins 2 & 3 closed	Pins 1 & 3, 2 & 4 closed
80486DX2	Pins 1 & 2 closed	Pins 1 & 3, 2 & 4 closed
CX486DX4	Pins 2 & 3 closed	Pins 3 & 5, 4 & 6 closed
AM486DX4 (3.3v)	Pins 1 & 2 closed	Pins 3 & 5, 4 & 6 closed
80486DX4 (3.3v)	Pins 1 & 2 closed	Pins 3 & 5, 4 & 6 closed