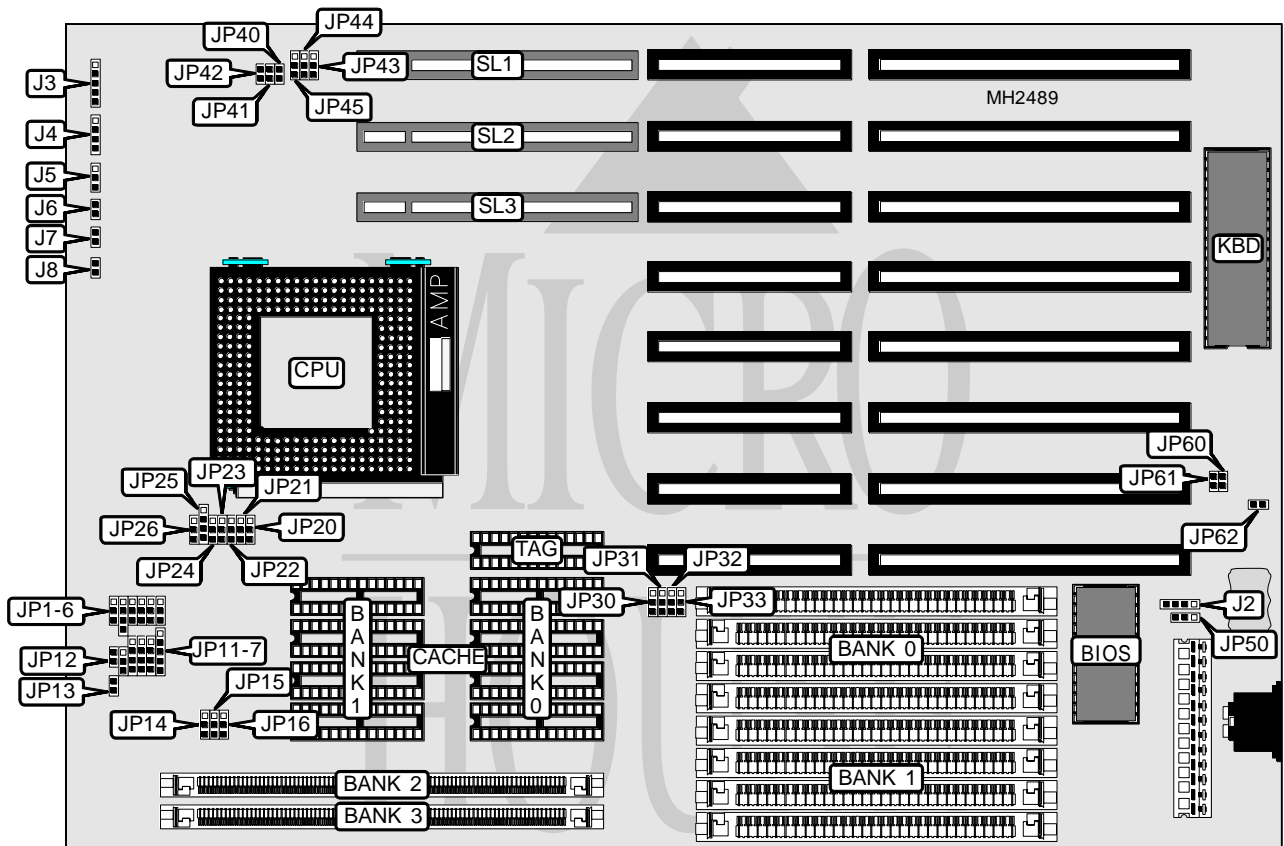


M TECHNOLOGY, INC.

R 407 VESA 486

Processor	80486SX/CX486DX/80486DX/CX486DX2/80486DX2/80486DX4/P24D/Pentium Overdrive
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)MHz
Chip Set	Unidentified
Max. Onboard DRAM	128MB
Cache	64/128/256/512/1024KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	32-bit VESA local bus slots (3), green PC connector
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	J2	Reset switch	J7
Power LED & keylock	J3	Green PC connector	J8
Speaker	J4	Bus mouse port	JP60
Turbo switch	J5	Green PC connector	JP61
Turbo LED	J6	Green PC connector	SL1 - SL3

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Factory configured - do not alter	JP43	N/A
í CMOS memory normal operation	JP50	pins 1 & 2 closed
CMOS memory clear	JP50	pins 2 & 3 closed
í Monitor type select CGA	JP62	Closed
Monitor type select monochrome/EGA/VGA	JP62	Open

DRAM CONFIGURATION (MODE 1)				
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
4MB	(4) 1M x 9	NONE	NONE	NONE
5MB	(4) 256K x 9	(4) 1M x 9	NONE	NONE
6MB	(4) 256K x 9	(4) 256K x 9	(1) 1M x 36	NONE
8MB	(4) 1M x 9	(4) 1M x 9	NONE	NONE
10MB	(4) 256K x 9	(4) 256K x 9	(1) 1M x 36	(1) 1M x 36
12MB	(4) 1M x 9	(4) 1M x 9	(1) 1M x 36	NONE
16MB	(4) 1M x 9	(4) 1M x 9	(1) 1M x 36	(1) 1M x 36
16MB	(4) 4M x 9	NONE	NONE	NONE
17MB	(4) 256K x 9	(4) 4M x 9	NONE	(1) 1M x 36
18MB	(4) 256K x 9	(4) 256K x 9	(1) 4M x 36	NONE
20MB	(4) 1M x 9	(4) 4M x 9	NONE	NONE
24MB	(4) 1M x 9	(4) 1M x 9	(1) 4M x 36	NONE
32MB	(4) 4M x 9	(4) 4M x 9	NONE	NONE
36MB	(4) 1M x 9	(4) 4M x 9	(1) 4M x 36	NONE
40MB	(4) 1M x 9	(4) 1M x 9	(1) 4M x 36	(1) 4M x 36
48MB	(4) 4M x 9	(4) 4M x 9	(1) 4M x 36	NONE
64MB	(4) 4M x 9	(4) 4M x 9	(1) 4M x 36	(1) 4M x 36
64MB	(4) 16M x 9	NONE	NONE	NONE
65MB	(4) 256K x 9	(4) 16M x 9	(1) 16M x 36	NONE
68MB	(4) 1M x 9	(4) 16M x 9	(1) 16M x 36	NONE
72MB	(4) 1M x 9	(4) 1M x 9	(1) 1M x 36	(1) 16M x 36
80MB	(4) 4M x 9	(4) 16M x 9	(1) 16M x 36	NONE
96MB	(4) 4M x 9	(4) 4M x 9	(1) 4M x 36	(1) 16M x 36
128MB	(4) 16M x 9	(4) 16M x 9	NONE	NONE

DRAM CONFIGURATION (MODE 2)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	NONE	NONE	(1) 256K x 36	NONE
2MB	NONE	NONE	(1) 256K x 36	(1) 256K x 36
2MB	NONE	NONE	(1) 512K x 36	NONE
4MB	NONE	NONE	(1) 512K x 36	(1) 512K x 36
4MB	NONE	NONE	(1) 1M x 36	NONE
5MB	NONE	NONE	(1) 256K x 36	(1) 1M x 36
6MB	(4) 1M x 9	NONE	(1) 256K x 36	(1) 256K x 36

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DRAM CONFIGURATION (MODE 2 CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
6MB	NONE	NONE	(1) 512K x 36	(1) 1M x 36
8MB	(4) 1M x 9	NONE	(1) 512K x 36	(1) 512K x 36
8MB	NONE	NONE	(1) 1M x 36	(1) 1M x 36
8MB	NONE	NONE	(1) 2M x 36	NONE
10MB	(4) 1M x 9	(4) 1M x 9	(1) 256K x 36	(1) 256K x 36
12MB	(4) 1M x 9	(4) 1M x 9	(1) 512K x 36	(1) 512K x 36
12MB	(4) 1M x 9	NONE	(1) 1M x 36	(1) 1M x 36
12MB	NONE	NONE	(1) 1M x 36	(1) 2M x 36
16MB	(4) 1M x 9	(4) 1M x 9	(1) 1M x 36	(1) 1M x 36
16MB	NONE	NONE	(1) 2M x 36	(1) 2M x 36
16MB	NONE	NONE	(1) 4M x 36	NONE
17MB	NONE	NONE	(1) 256K x 36	(1) 4M x 36
18MB	(4) 4M x 9	NONE	(1) 256K x 36	(1) 256K x 36
18MB	NONE	NONE	(1) 512K x 36	(1) 4M x 36
20MB	(4) 4M x 9	NONE	(1) 512K x 36	(1) 512K x 36
20MB	NONE	NONE	(1) 1M x 36	(1) 4M x 36
24MB	(4) 1M x 9	(4) 4M x 9	(1) 512K x 36	(1) 512K x 36
24MB	(4) 4M x 9	NONE	(1) 1M x 36	(1) 1M x 36
24MB	NONE	NONE	(1) 2M x 36	(1) 4M x 36
32MB	(4) 4M x 9	NONE	(1) 2M x 36	(1) 2M x 36
32MB	NONE	NONE	(1) 4M x 36	(1) 4M x 36
32MB	NONE	NONE	(1) 8M x 36	NONE
36MB	(4) 4M x 9	(4) 4M x 9	(1) 512K x 36	(1) 512K x 36
36MB	(4) 4M x 9	NONE	(1) 1M x 36	(1) 4M x 36
36MB	NONE	NONE	(1) 1M x 36	(1) 8M x 36
40MB	(4) 4M x 9	(4) 4M x 9	(1) 1M x 36	(1) 1M x 36
48MB	(4) 4M x 9	(4) 4M x 9	(1) 2M x 36	(1) 2M x 36
48MB	(4) 4M x 9	(4) 4M x 9	(1) 4M x 36	(1) 4M x 36
48MB	NONE	NONE	(1) 4M x 36	(1) 8M x 36
64MB	(4) 4M x 9	(4) 4M x 9	(1) 4M x 36	(1) 4M x 36
64MB	NONE	NONE	(1) 16M x 36	NONE
64MB	NONE	NONE	(1) 8M x 36	(1) 8M x 36
65MB	NONE	NONE	(1) 256K x 36	(1) 16M x 36
68MB	NONE	NONE	(1) 1M x 36	(1) 16M x 36
72MB	(4) 16M x 9	NONE	(1) 1M x 36	(1) 1M x 36
80MB	NONE	NONE	(1) 4M x 36	(1) 16M x 36
96MB	(4) 16M x 9	NONE	(1) 4M x 36	(1) 4M x 36
128MB	NONE	NONE	(1) 16M x 36	(1) 16M x 36

DRAM JUMPER CONFIGURATION				
Type	JP30	JP31	JP32	JP33
Mode 1	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
Mode 2	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed

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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) 8K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
256KB	(4) 64K x 8	NONE	(1) 32K x 8
512KB	(4) 64K x 8	(4) 64K x 8	(1) 32K x 8
512KB	(4) 128K x 8	NONE	(1) 32K x 8
1MB	(4) 128K x 8	(4) 128K x 8	(1) 64K x 8

CACHE JUMPER CONFIGURATION							
Size	JP20	JP21	JP22	JP23	JP24	JP25	JP26
256KB	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	Open

Note: The jumper settings for the remaining cache sizes are unidentified by the manufacturer. Pins designated should be in the closed position.

CPU TYPE CONFIGURATION					
Type	JP1	JP2	JP3	JP4	JP5
80486SX	Open	3 & 4	1 & 2	2 & 3	2 & 3
CX486DX	2 & 3	2 & 3	Open	2 & 3	1 & 2
80486DX	Open	3 & 4	1 & 2	2 & 3	2 & 3
CX486DX2	2 & 3	2 & 3	Open	2 & 3	1 & 2
80486DX2	Open	3 & 4	1 & 2	2 & 3	2 & 3
80486DX4	Open	3 & 4	1 & 2	2 & 3	2 & 3
P24D	Open	1 & 2	2 & 3	1 & 2	1 & 2
Pentium Overdrive	1 & 2	1 & 2	Open	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION (CON'T)					
Type	JP6	JP7	JP8	JP9	JP10
80486SX	1 & 2	2 & 3	Open	2 & 3	3 & 4
CX486DX	2 & 3	1 & 2	3 & 4	1 & 2, 3 & 4	2 & 3
80486DX	1 & 2	2 & 3	3 & 4	1 & 2, 3 & 4	3 & 4
CX486DX2	2 & 3	1 & 2	3 & 4	1 & 2, 3 & 4	2 & 3
80486DX2	1 & 2	2 & 3	3 & 4	1 & 2, 3 & 4	3 & 4
80486DX4	1 & 2	2 & 3	3 & 4	1 & 2, 3 & 4	3 & 4
P24D	1 & 2	2 & 3	3 & 4	1 & 2, 3 & 4	1 & 2, 3 & 4
Pentium Overdrive	1 & 2	2 & 3	2 & 3	1 & 2, 3 & 4	3 & 4

Note: Pins designated should be in the closed position.

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CPU TYPE CONFIGURATION (CON'T)					
Type	JP11	JP12	JP13	JP14	JP16
80486SX	4 & 5	Open	Open	Open	1 & 2
CX486DX	2 & 3	Open	Open	Open	1 & 2
80486DX	4 & 5	Open	Open	Open	1 & 2
CX486DX2	2 & 3	Open	Open	Open	1 & 2
80486DX2	4 & 5	Open	Open	Open	1 & 2
80486DX4	4 & 5	Open	Open	Open	1 & 2
P24D	4 & 5	Open	1 & 2	1 & 2	1 & 2
Pentium Overdrive	1 & 2	Open	Open	Open	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED CONFIGURATION			
Speed	JP40	JP41	JP42
25MHz	Closed	Open	Closed
33MHz	Closed	Closed	Open
40MHz	Open	Open	Closed
50iMHz	Closed	Open	Closed
50MHz	Open	Closed	Open
66iMHz	Closed	Closed	Open
75iMHz	Closed	Open	Closed
100iMHz	Closed	Closed	Open

CPU SPEED CONFIGURATION (80486DX4 ONLY)	
Speed	JP15
2x	pins 2 & 3 closed
2.5x	pins 1 & 2 closed
3x	Open

VESA WAIT STATE CONFIGURATION	
Wait states	JP44
0 wait states	pins 1 & 2 closed
1 wait state	pins 2 & 3 closed

BUS SPEED CONFIGURATION	
CPU speed	JP45
<= 33MHz	pins 1 & 2 closed
> 33MHz	pins 2 & 3 closed