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P K M - 0 0 3 9 S / F E A T - 3 9

Processor	CX486M6/80486SX/AMD486SL/CX486M7/80486DX/80486DX2/80486DX4
Processor Speed	20/25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)MHz
Chip Set	Unidentified
Max. Onboard DRAM	128MB
Cache	128/256/512/1024KB
BIOS	Award
Dimensions	254mm x 218mm
I/O Options	32-bit VESA local bus slots (3), green PC connector
NPU Options	None
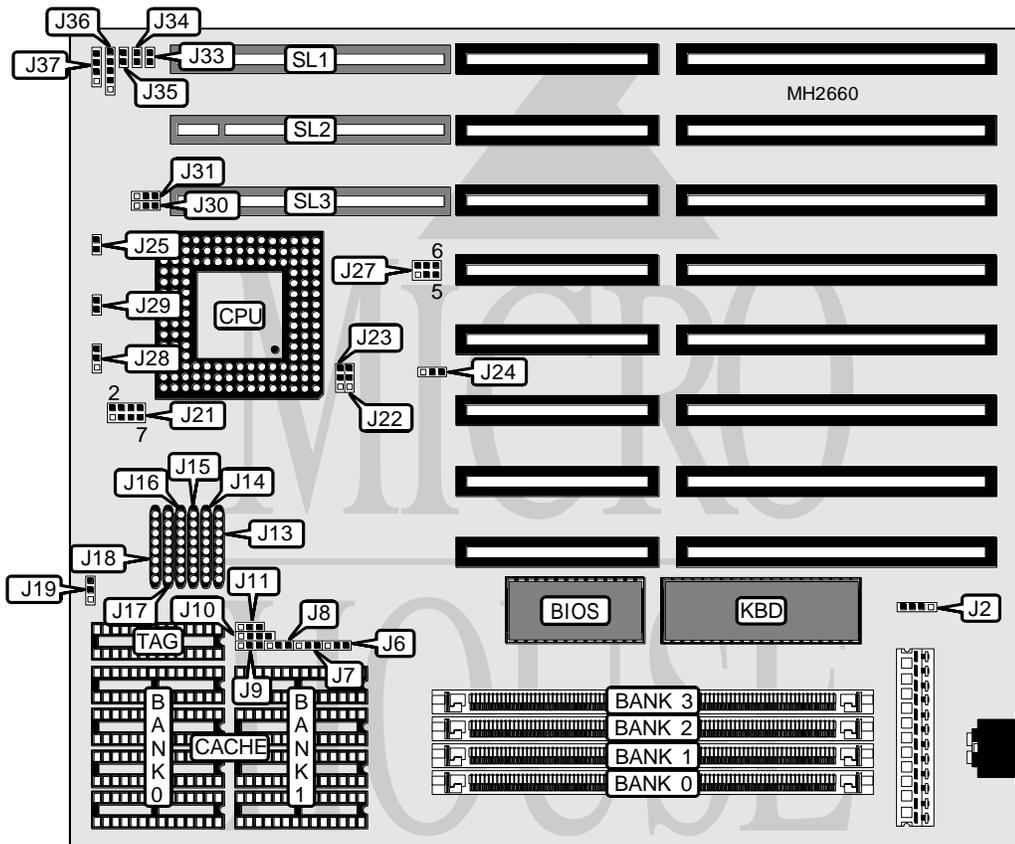
CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	J2	Turbo LED	J35
Green PC LED	J25	Power LED & keylock	J36
Reset switch	J33	Speaker	J37
Turbo switch	J34	32-bit VESA local bus slots	SL1 - SL3

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation	J2	pins 2 & 3 closed
CMOS memory clear	J2	pins 3 & 4 closed
Battery type select external	J2	Closed
í Factory configured - do not alter	J11	N/A
í Factory configured - do not alter	J13	N/A
í Factory configured - do not alter	J16	N/A
í Factory configured - do not alter	J24	N/A
í AMD CPU clock speed select 2x	J40	pins 1 & 2 closed
AMD CPU clock speed select 3x	J40	pins 2 & 3 closed
Note: The location of J40 is unidentified.		

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	NONE	NONE	NONE
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
2MB	(1) 512K x 36	NONE	NONE	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36	NONE
4MB	(1) 512K x 36	(1) 512K x 36	NONE	NONE
4MB	(1) 1M x 36	NONE	NONE	NONE
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
6MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	NONE
6MB	(1) 512K x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36	(1) 1M x 36
8MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	NONE
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 2M x 36	NONE	NONE	NONE
10MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
12MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	(1) 1M x 36
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	NONE
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 2M x 36	(1) 2M x 36	NONE	NONE
16MB	(1) 4M x 36	NONE	NONE	NONE
17MB	(1) 256K x 36	(1) 4M x 36	NONE	NONE
18MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	NONE
18MB	(1) 512K x 36	(1) 4M x 36	NONE	NONE
20MB	(1) 512K x 36	(1) 512K x 36	(1) 4M x 36	NONE
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE
24MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	(1) 4M x 36
24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	NONE
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	NONE
32MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
32MB	(1) 8M x 36	NONE	NONE	NONE
36MB	(1) 512K x 36	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36

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Size	Bank 0	Bank 1	Bank 2	Bank 3
DRAM CONFIGURATION (CON'T)				
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	NONE
36MB	(1) 1M x 36	(1) 8M x 36	NONE	NONE
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
40MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	NONE
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	NONE
48MB	(1) 4M 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
64MB	(1) 16M x 36	NONE	NONE	NONE
64MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	NONE
64MB	(1) 8M x 36	(1) 8M x 36	NONE	NONE
65MB	(1) 256K x 36	(1) 16M x 36	NONE	NONE
68MB	(1) 1M x 36	(1) 16M x 36	NONE	NONE
68MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	NONE
72MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
80MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36	NONE
96MB	(1) 4M x 36	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	NONE
128MB	(1) 16M x 36	(1) 16M x 36	NONE	NONE
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36

Size	Bank 0	Bank 1	TAG
CACHE CONFIGURATION			
128KB	(4) 32K x 8	NONE	(1) 8K x 8 or (1) 32K 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

Size	J6	J7	J8	J9	J10
CACHE JUMPER CONFIGURATION					
128KB	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2, 3 & 4
256KB	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3, 4 & 5
256KB	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2, 3 & 4
512KB	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3, 4 & 5
512KB	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2, 3 & 4
1MB	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3, 4 & 5
Note: Pins designated should be in the closed position.					

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CPU TYPE CONFIGURATION				
Type	J14	J15	J17	J18
CX486M6	Installed	Not installeld	Not installeld	Installed
80486SX	Not installeld	Installed	Not installeld	Installed
AMD486SL	Not installeld	Installed	Installed	Not installeld
CX486M7	Installed	Not installeld	Installed	Not installeld
80486DX	Not installeld	Installed	Installed	Not installeld
80486DX2	Not installeld	Installed	Installed	Not installeld
80486DX4	Not installeld	Installed	Installed	Not installeld

CPU TYPE CONFIGURATION (CON'T)					
Type	J19	J22	J23	J28	J29
CX486M6	2 & 3	1 & 2	2 & 3	2 & 3	Closed
80486SX	2 & 3	2 & 3	1 & 2	2 & 3	Open
AMD486SL	1 & 2	1 & 2	2 & 3	1 & 2	Closed
CX486M7	2 & 3	1 & 2	2 & 3	2 & 3	Closed
80486DX	2 & 3	2 & 3	1 & 2	2 & 3	Closed
80486DX2	2 & 3	2 & 3	1 & 2	2 & 3	Closed
80486DX4	2 & 3	2 & 3	1 & 2	2 & 3	Closed
Note: Pins designated should be in the closed position.					

CPU SPEED CONFIGURATION (MX8315)	
Speed	J27
20MHz	Open
25MHz	pins 5 & 6 closed
33MHz	pins 1 & 2, 3 & 4, 5 & 6 closed
40MHz	pins 3 & 4, 5 & 6 closed
50iMHz	pins 5 & 6 closed
50MHz	pins 1 & 2 closed
66iMHz	pins 1 & 2, 3 & 4, 5 & 6 closed
75iMHz	pins 5 & 6 closed
100iMHz	pins 1 & 2, 3 & 4, 5 & 6 closed

CPU SPEED CONFIGURATION (KDN-1401/1402C)	
Speed	J27
20MHz	pins 1 & 2, 3 & 4 closed
25MHz	pins 1 & 2, 5 & 6 closed
33MHz	pins 3 & 4, 5 & 6 closed
40MHz	pins 1 & 2 closed
50iMHz	pins 1 & 2, 5 & 6 closed
50MHz	pins 3 & 4 closed
66iMHz	pins 3 & 4, 5 & 6 closed
75iMHz	pins 1 & 2, 5 & 6 closed
100iMHz	pins 3 & 4, 5 & 6 closed

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CPU VOLTAGE CONFIGURATION	
Voltage	J21
3.3v	pins 5 & 6, 7 & 8 closed
5v	pins 1 & 2, 3 & 4 closed

VESA WAIT STATE CONFIGURATION	
Wait states	J31
0 wait states	pins 1 & 2 closed
1 wait state	pins 2 & 3 closed

BUS SPEED CONFIGURATION	
CPU speed	J30
<= 33MHz	pins 1 & 2 closed
> 33MHz	pins 2 & 3 closed