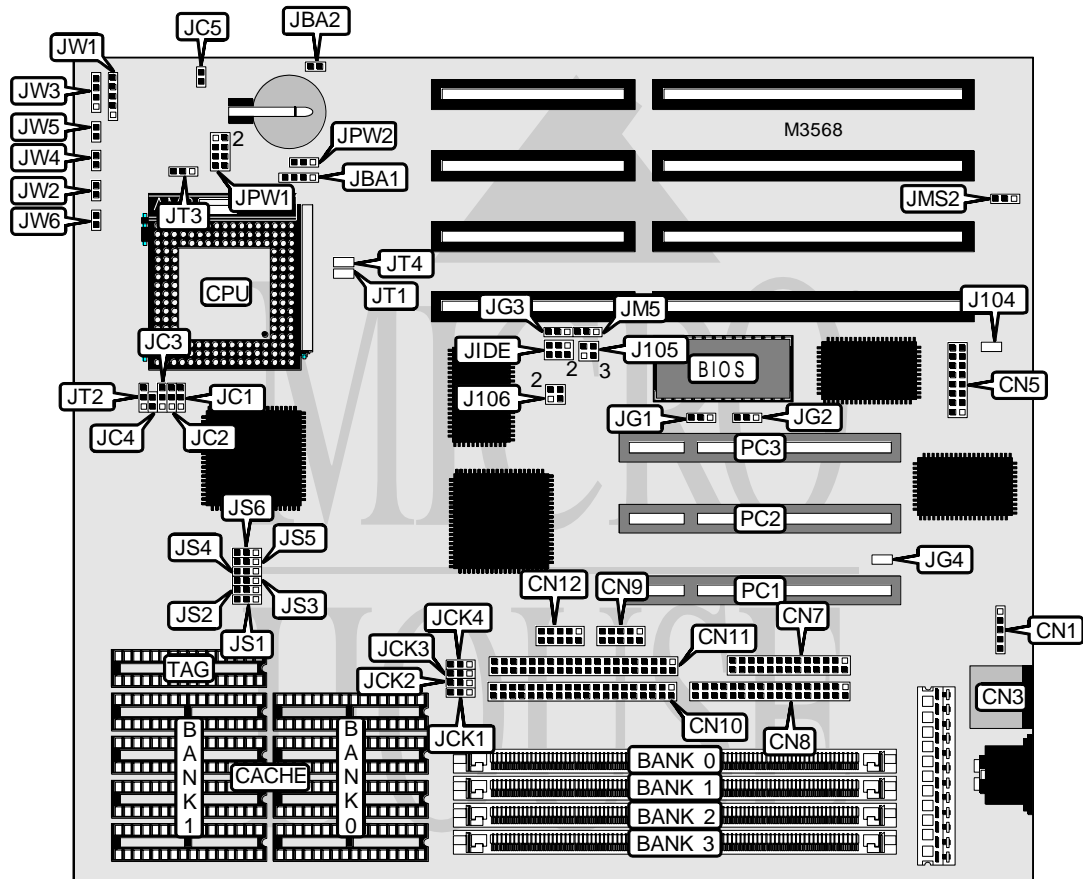


SKYWELL TECHNOLOGY CORPORATION, LTD.

S W - 4 8 6 V M

Processor	UMCSX/80486DX/AM486DX2/80486DX2/TI486DX4/AM486DX4/ 8046DX4/CX5X86/AM5X86
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)MHz
Chip Set	VIA
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO supported)
Maximum Video Memory	None
Cache	128/256/512/1024KB
BIOS	Award
Dimensions	250mm x 220mm
I/O Options	32-bit PCI slots (3), floppy drive interface, game interface, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 mouse interface, serial ports (2)
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse interface	CN1	External battery	JBA1
PS/2 mouse port	CN3	External battery	JBA2
Game interface	CN5	Power LED & keylock	JW1
Parallel port	CN7	Turbo LED	JW2
Floppy drive interface	CN8	Speaker	JW3
Serial port 1	CN9	Turbo switch	JW4
IDE interface 1	CN10	Reset switch	JW5
IDE interface 2	CN11	IDE interface LED	JW6
Serial port 2	CN12	32-bit PCI slots	PC1 - PC3

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	J104	Unidentified
í Factory configured - do not alter	J105	Unidentified
í Factory configured - do not alter	J106	Unidentified
í Factory configured - do not alter	JIDE	Unidentified
í Factory configured - do not alter	JG1	Unidentified
í Factory configured - do not alter	JG2	Unidentified
í Factory configured - do not alter	JG3	Unidentified
í Factory configured - do not alter	JG4	Unidentified
í Factory configured - do not alter	JM5	Unidentified
í Factory configured - do not alter	JMS2	Unidentified
í Factory configured - do not alter	JT1	Unidentified
í Factory configured - do not alter	JT4	Unidentified

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

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
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
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
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

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
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
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) 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
33MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	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
34MB	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36	None
34MB	(1) 512K x 36	(1) 8M 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
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
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
40MB	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36	None
40MB	(1) 2M x 36	(1) 8M x 36	None	None
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
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) 8M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
56MB	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M 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
65MB	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36	None
66MB	(1) 512K x 36	(1) 8M x 36	(1) 8M x 36	None

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
68MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	None
72MB	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36	None
80MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
80MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36	None
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	None
97MB	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
98MB	(1) 512K x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
100MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
104MB	(1) 2M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
112MB	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36
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

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) 64K x 8	(4) 64K x 8	(1) 32K x 8
512KB (B)	(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	JS1	JS2	JS3	JS4	JS5	JS6
128KB	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2
256KB (A)	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
256KB (B)	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
512KB (A)	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
512KB (B)	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
1MB	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION				
Speed	JCK1	JCK2	JCK3	JCK4
25MHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
33MHz	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
40MHz	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
50iMHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
50MHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
66iMHz	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
75iMHz	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
100iMHz	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed

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CPU TYPE SELECTION							
Type	JC1	JC2	JC3	JC4	JC5	JT2	JT3
UMC SX	1 & 2	2 & 3	1 & 2	Open	Open	Open	Open
80486DX2	1 & 2	1 & 2	1 & 2	Open	Open	Open	Open
AM486DX2	1 & 2	1 & 2	1 & 2	Open	Closed	Open	2 & 3
80486DX2	1 & 2	1 & 2	1 & 2	Open	Open	Open	Open
TI486DX4	1 & 2	1 & 2	1 & 2	Open	Open	Open	Open
AM486DX4	1 & 2	1 & 2	1 & 2	Open	Open	Open	Open
80486DX4	1 & 2	1 & 2	1 & 2	Closed	Open	Open	Open
CX 5X86	1 & 2	1 & 2	1 & 2	Open	Open	Open	2 & 3
AM 5X86	1 & 2	1 & 2	1 & 2	Open	Open	Open	Open

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION		
Voltage	JPW1	JPW2
3.3v	Pins 7 & 8 closed	Pins 2 & 3 closed
3.45v	Pins 5 & 6 closed	Pins 2 & 3 closed
3.6v	Pins 3 & 4 closed	Pins 2 & 3 closed
4v	Pins 1 & 2 closed	Pins 2 & 3 closed
5v	Open	Pins 1 & 2 closed

BATTERY SELECTION		
Setting	JBA1	JBA2
External	Pins 3 & 4 closed	Open
Internal	Pins 2 & 3 closed	Open
CMOS normal operation	Pins 2 & 3 closed	Closed
CMOS memory clear	Pins 3 & 4 closed	N/A