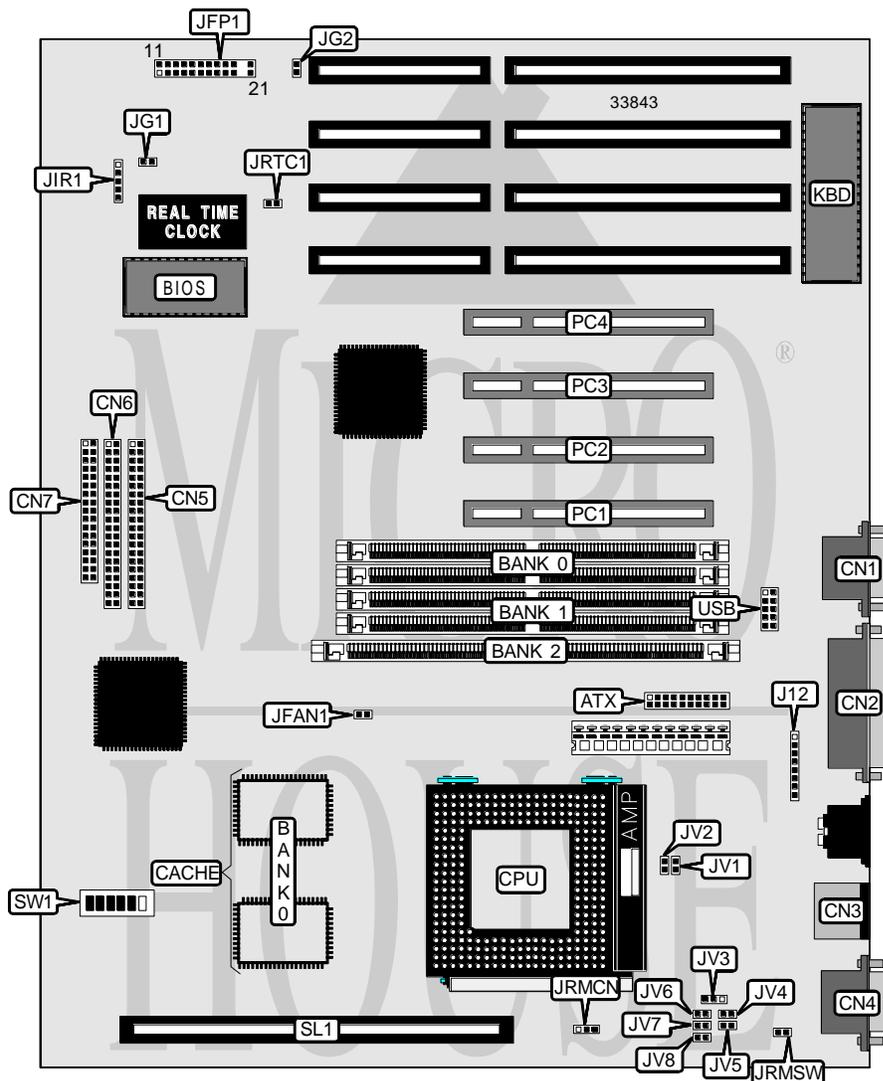


MICRO-STAR INTERNATIONAL CO., LTD.

MS-5136 (VER 1.0)

Processor	CX M1/AM K5/Pentium
Processor Speed	75/90/100/120/133/150/166/200MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	128MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	AMI/Award
Dimensions	305mm x 220mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), cache slot, IR connector, USB connector, ATX power connector, remote power on/off switch, remote on/off switch
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	Turbo LED	JFP1 pins 12 & 13
Serial port 2	CN1	Turbo switch	JFP1 pins 15 & 17
Parallel port	CN2	Reset switch	JFP1 pins 19 & 20
PS/2 mouse port	CN3	IDE interface LED	JFP1 pins 21 & 22
Serial port 1	CN4	Green PC connector	JG2
IDE interface 1	CN5	IR connector	JIR1
IDE interface 2	CN6	Remote on/off switch	JRM CN
Floppy drive interface	CN7	Remote on/off switch	JRMSW
Chassis fan power	JFAN1	32-bit PCI slots	PC1 - PC4
Power LED & keylock	JFP1 pins 1 - 5	Cache slot	SL1
Speaker	JFP1 pins 7 & 10	USB connector	USB

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	J12	1 & 2, 3 & 4, 5 & 6, 7 & 8
í Factory configured - do not alter	JG1	Unidentified
í Factory configured - do not alter	JRTC1	Unidentified

Note: Pins designated should be in the closed position.

DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
8MB	(2) 1M x 36	None	None
8MB	None	None	(1) 1M x 64
16MB	(2) 2M x 36	None	None
16MB	(2) 1M x 36	(2) 1M x 36	None
16MB	None	None	(1) 2M x 64
24MB	(2) 1M x 36	(2) 2M x 36	None
32MB	(2) 4M x 36	None	None
32MB	(2) 2M x 36	(2) 2M x 36	None
32MB	None	None	(1) 4M x 64
40MB	(2) 4M x 36	(2) 1M x 36	None
48MB	(2) 2M x 36	(2) 4M x 36	None
64MB	(2) 8M x 36	None	None
64MB	(2) 4M x 36	(2) 4M x 36	None
64MB	None	None	(1) 8M x 64
72MB	(2) 1M x 36	(2) 8M x 36	None
80MB	(2) 8M x 36	(2) 2M x 36	None
96MB	(2) 4M x 36	(2) 8M x 36	None
128MB	(2) 8M x 36	(2) 8M x 36	None

Note: Board accepts EDO memory. Banks 0 & 1 are interchangeable.

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CACHE CONFIGURATION		
Size	Bank 0	SL1
256KB	(2) 32K x 32	Not installed
512KB	(2) 32K x 32	256KB module installed

CPU SPEED SELECTION (CYRIX)								
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
120MHz	50MHz	2x	Off	Off	On	Off	On	Off
133MHz	55MHz	2x	Off	On	On	On	On	Off
150MHz	60MHz	2x	Off	On	Off	Off	On	Off
166MHz	66MHz	2x	Off	Off	Off	Off	On	Off

CPU SPEED SELECTION (AMD)								
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
75MHz	50MHz	1.5x	Off	Off	On	Off	Off	Off
90MHz	60MHz	1.5x	Off	On	Off	Off	Off	Off

CPU SPEED SELECTION (INTEL)								
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
75MHz	50MHz	1.5x	Off	Off	On	Off	Off	Off
90MHz	60MHz	1.5x	Off	On	Off	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off	Off
120MHz	60MHz	2x	Off	On	Off	Off	On	Off
133MHz	66MHz	2x	Off	Off	Off	Off	On	Off
150MHz	60MHz	2.5x	Off	On	Off	Off	On	On
166MHz	66MHz	2.5x	Off	Off	Off	Off	On	On
200MHz	66MHz	3x	Off	Off	Off	Off	Off	On

CPU VOLTAGE SELECTION									
V core	VI/O	JV1	JV2	JV3	JV4	JV5	JV6	JV7	JV8
2.5v	3.3v	Open	Open	2 & 3	Open	Open	Closed	Open	Open
2.8v	3.3v	Open	Open	2 & 3	Open	Open	Open	Closed	Open
2.9v	3.3v	Open	Open	2 & 3	Open	Open	Open	Open	Closed
3.38v	3.38v	Closed	Closed	1 & 2	Closed	Open	Open	Open	Open
3.52v	3.52v	Closed	Closed	1 & 2	Open	Closed	Open	Open	Open