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M S - 5 1 4 3

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	Unidentified
Dimensions	305mm x 235mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 mouse interface, serial ports (2), IR connector, USB connector, ATX power connector
NPU Options	None
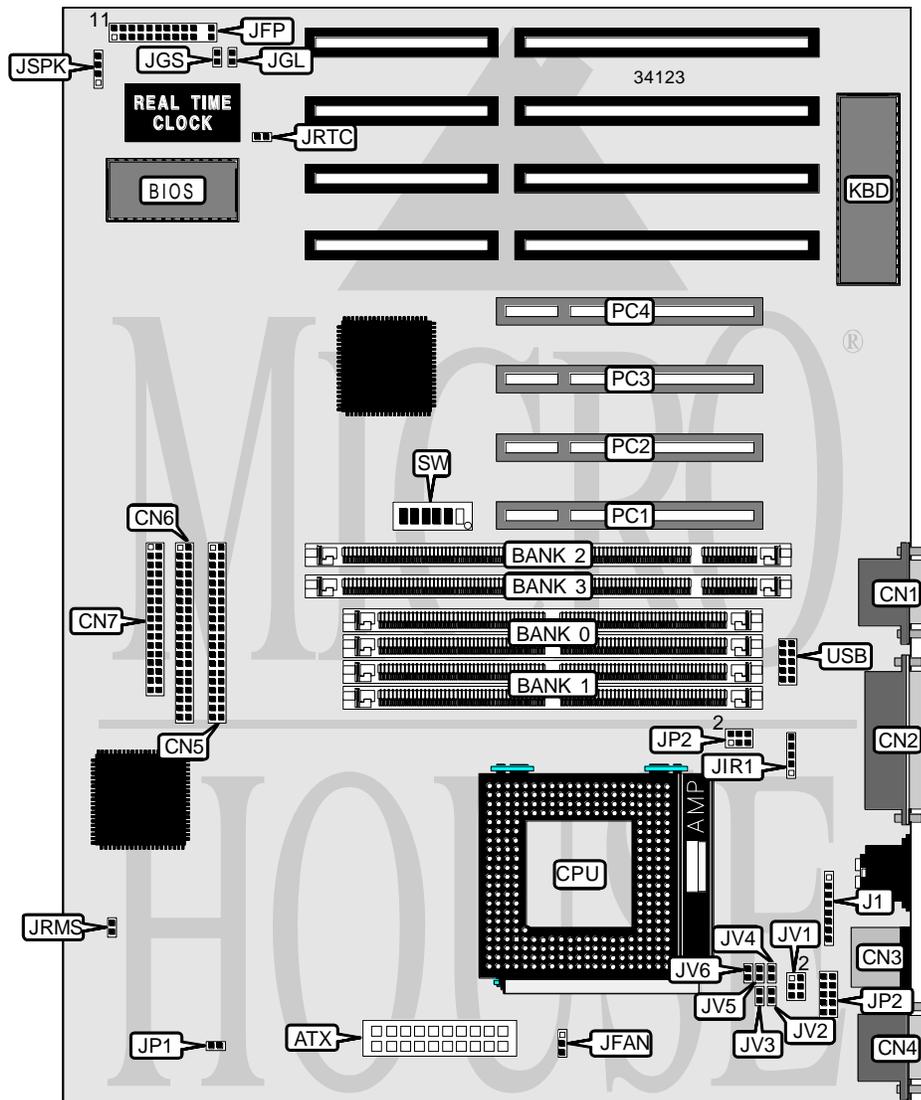
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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	Speaker	JFP pins 7 - 10
Serial port 2	CN1	Turbo LED	JFP pins 12 & 13
Parallel port	CN2	Reset switch	JFP pins 19 & 20
PS/2 mouse port	CN3	IDE interface LED	JFP pins 21 & 22
Serial port 1	CN4	IR connector	JIR1
IDE interface 1	CN5	Green PC LED	JGL
IDE interface 2	CN6	Green PC connector	JGS
Floppy drive interface	CN7	Remote power switch	JRMS
Auxiliary keyboard connector	J1 pins 1 – 4	Speaker	JSPK
PS/2 mouse interface	J1 pins 5 - 8	32-bit PCI slots	PC1 – PC4
Chassis fan power	JFAN	USB port	USB
Power LED & keylock	JFP pins 1 - 5		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Factory configured - do not alter	JP1	Unidentified
í Factory configured - do not alter	JP2	Unidentified
í Factory configured - do not alter	JRTC	Unidentified

DIMM/DRAM CONFIGURATION				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
8MB	(2) 1M x 36	None	None	None
8MB	None	(2) 1M x 36	None	None
8MB	None	None	(1) 1M x 64	None
16MB	(2) 2M x 36	None	None	None
16MB	None	None	(1) 2M x 64	None
16MB	(2) 1M x 36	(2) 1M x 36	None	None
16MB	(2) 1M x 36	None	None	(1) 1M x 64
16MB	None	None	(1) 1M x 64	(1) 1M x 64
24MB	(2) 1M x 36	None	(1) 1M x 64	(1) 1M x 64
24MB	None	(2) 2M x 36	(1) 1M x 64	None
32MB	(2) 4M x 36	None	None	None
32MB	None	None	(1) 4M x 64	None
40MB	(2) 4M x 36	(2) 1M x 36	None	None
40MB	(2) 4M x 36	None	None	(1) 1M x 64
48MB	(2) 2M x 36	None	None	(1) 4M x 64
48MB	(2) 4M x 36	(2) 2M x 36	None	None
48MB	(2) 4M x 36	None	None	(1) 2M x 64
64MB	(2) 8M x 36	None	None	None
64MB	None	None	None	(1) 8M x 64
64MB	(2) 4M x 36	(2) 4M x 36	None	None

MICRO-STAR INTERNATIONAL CO., LTD.
MS-5143

DIMM/DRAM CONFIGURATION				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
64MB	(2) 4M x 36	None	None	(1) 4M x 64
64MB	None	None	(1) 4M x 64	(1) 4M x 64
64MB	None	(2) 4M x 36	(1) 4M x 64	None
72MB	(2) 8M x 36	(2) 1M x 36	None	None
72MB	(2) 8M x 36	None	None	(1) 1M x 64
80MB	(2) 8M x 36	(2) 2M x 36	None	None
96MB	(2) 4M x 36	None	None	(1) 8M x 64
96MB	(2) 8M x 36	(2) 4M x 36	None	None
96MB	(2) 8M x 36	None	None	(1) 4M x 64
96MB	None	(2) 8M x 36	(1) 4M x 64	None
128MB	None	None	(1) 8M x 64	(1) 8M x 64
128MB	(2) 8M x 36	(2) 8M x 36	None	None
Note: Board accepts EDO memory.				

DIMM VOLTAGE CONFIGURATION	
Voltage	**JP2**
3.3v	Pins 1 & 3, 2 & 4 closed
5v	Pins 3 & 5, 4 & 6 closed

CACHE CONFIGURATION
Note: The location of the banks is unidentified. The size of the chips is unidentified.

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

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

MICRO-STAR INTERNATIONAL CO., LTD.
MS-5143

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

CPU VOLTAGE SELECTION (SINGLE)						
Voltage	**JV1**	**JV2**	**JV3**	**JV4**	**JV5**	**JV6**
3.38v	3 & 5, 4 & 6	Closed	Open	Open	Open	Open
3.52v	3 & 5, 4 & 6	Open	Closed	Open	Open	Open
Note: Pins designated should be in the closed position.						

CPU VOLTAGE SELECTION (DUAL)							
Voltage	**V core**	**JV1**	**JV2**	**JV3**	**JV4**	**JV5**	**JV6**
3.3v	2.8v	1 & 3, 2 & 4	Open	Open	Open	Closed	Open
Note: Pins designated should be in the closed position.							