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M S - 6 1 1 0

Device Type	Mainboard
Processor	Pentium II
Processor Speed	233/266MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	1GB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB (located on Pentium II CPU)
BIOS	Unidentified
Dimensions	300mm x 250mm
I/O Options	32-bit PCI slots (5), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector
NPU Options	None

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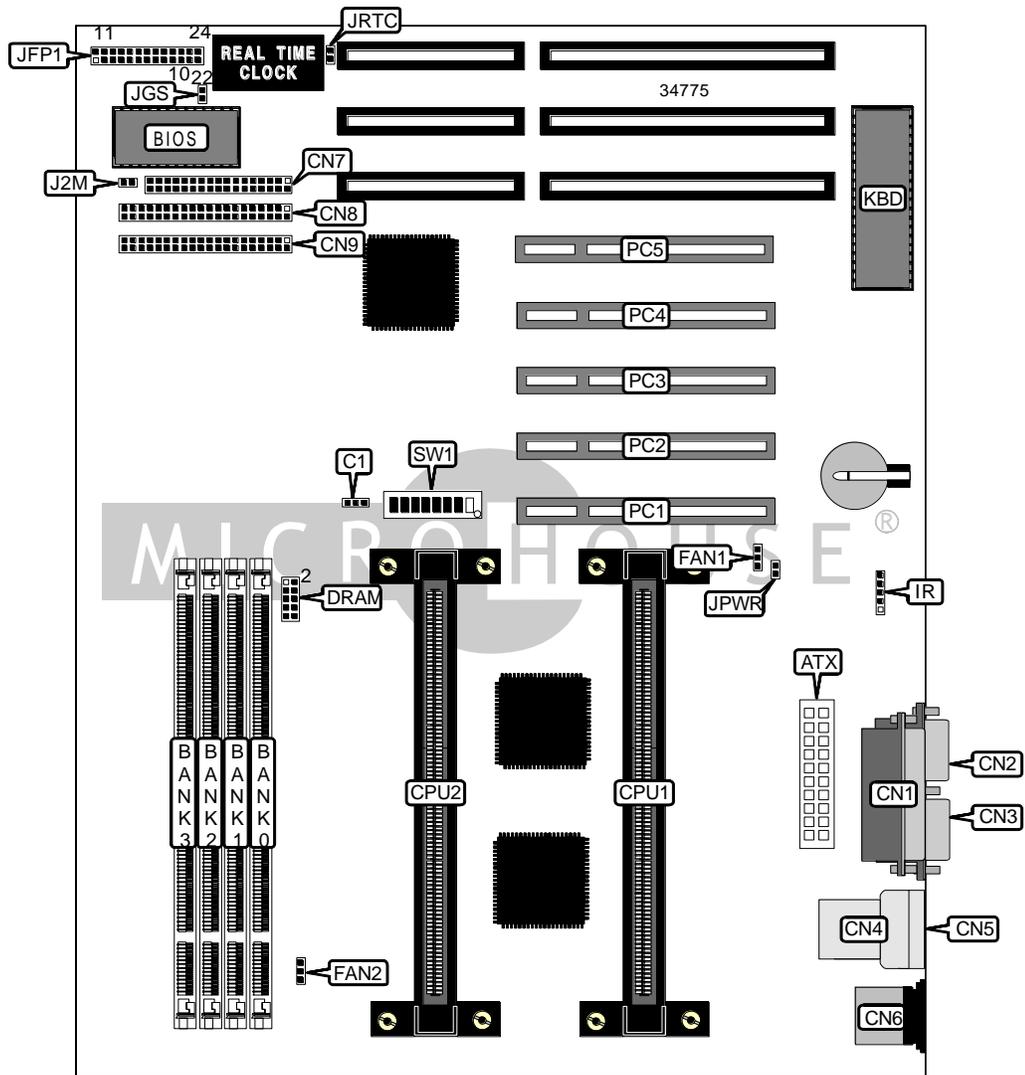
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	CPU fan power 2	FAN2
Parallel port	CN1	IR connector	IR
Serial port 2	CN2	Power LED & keylock	JFP1/pins 1 - 5
Serial port 1	CN3	Speaker	JFP1/pins 7 - 10
USB connector 1	CN4	Turbo LED	JFP1/pins 12 & 13
USB connector 2	CN5	Reset switch	JFP1/pins 19 & 20
PS/2 mouse port	CN6	IDE interface LED	JFP1/pins 22 & 24
Floppy drive interface	CN7	Green PC connector	JGS
IDE interface 2	CN8	Soft off power supply	JPWR
IDE interface 1	CN9	32-bit PCI slots	PC1 – PC5
CPU fan power 1	FAN1		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Factory configured - do not alter	C1	Unidentified
í Flash BIOS voltage select 5v	J2M	Open
Flash BIOS voltage select 12v	J2M	Closed
í CMOS memory normal operation	JRTC	Open
CMOS memory clear	JRTC	Closed

DIMM CONFIGURATION				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
8MB	(1) 1M x 64	None	None	None
16MB	(1) 2M x 64	None	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None	None
24MB	(1) 2M x 64	(1) 1M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	None
32MB	(1) 4M x 64	None	None	None
32MB	(1) 2M x 64	(1) 2M x 64	None	None
32MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
40MB	(1) 4M x 64	(1) 1M x 64	None	None
48MB	(1) 4M x 64	(1) 2M x 64	None	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	None
64MB	(1) 8M x 64	None	None	None
64MB	(1) 4M x 64	(1) 4M x 64	None	None
64MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
72MB	(1) 8M x 64	(1) 1M x 64	None	None
80MB	(1) 8M x 64	(1) 2M x 64	None	None
96MB	(1) 8M x 64	(1) 4M x 64	None	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None
128MB	(1) 16M x 64	None	None	None

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Size	Bank 0	Bank 1	Bank 2	Bank 3
128MB	(1) 8M x 64	(1) 8M x 64	None	None
128MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
136MB	(1) 16M x 64	(1) 1M x 64	None	None
144MB	(1) 16M x 64	(1) 2M x 64	None	None
160MB	(1) 16M x 64	(1) 4M x 64	None	None
192MB	(1) 16M x 64	(1) 8M x 64	None	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None
256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
256MB	(1) 32M x 64	None	None	None
288MB	(1) 32M x 64	(1) 4M x 64	None	None
320MB	(1) 32M x 64	(1) 8M x 64	None	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64	None
352MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 32M x 64	(1) 16M x 64	None	None
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	None
448MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	None
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None	None
640MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	None
1024MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

Note: Board accepts EDO memory.

DIMM VOLTAGE SELECTION	
Voltage	**DRAM**
3.3v	Pins 1 & 2, 3 & 4 closed
5v	Pins 7 & 8, 9 & 10 closed

CACHE CONFIGURATION
Note: 256KB/512KB cache is located on the Pentium II CPU.

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CPU BUS SPEED SELECTION				
Speed	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
60MHz	Off	Off	On	On
66MHz	On	On	Off	Off

CPU MULTIPLIER SELECTION				
Multiplier	**SW1/5**	**SW1/6**	**SW1/7**	**SW1/8**
2x	On	On	On	On
2.5x	Off	On	On	On
3x	On	Off	On	On
3.5x	Off	Off	On	On
4x	On	On	Off	On
4.5x	Off	On	Off	On
5x	On	Off	Off	On
5.5x	Off	Off	Off	Off
6x	On	On	On	On
6.5x	Off	On	On	On

MISCELLANEOUS TECHNICAL NOTE
If only one CPU is installed, a CPU terminator must be installed in the 2nd slot.