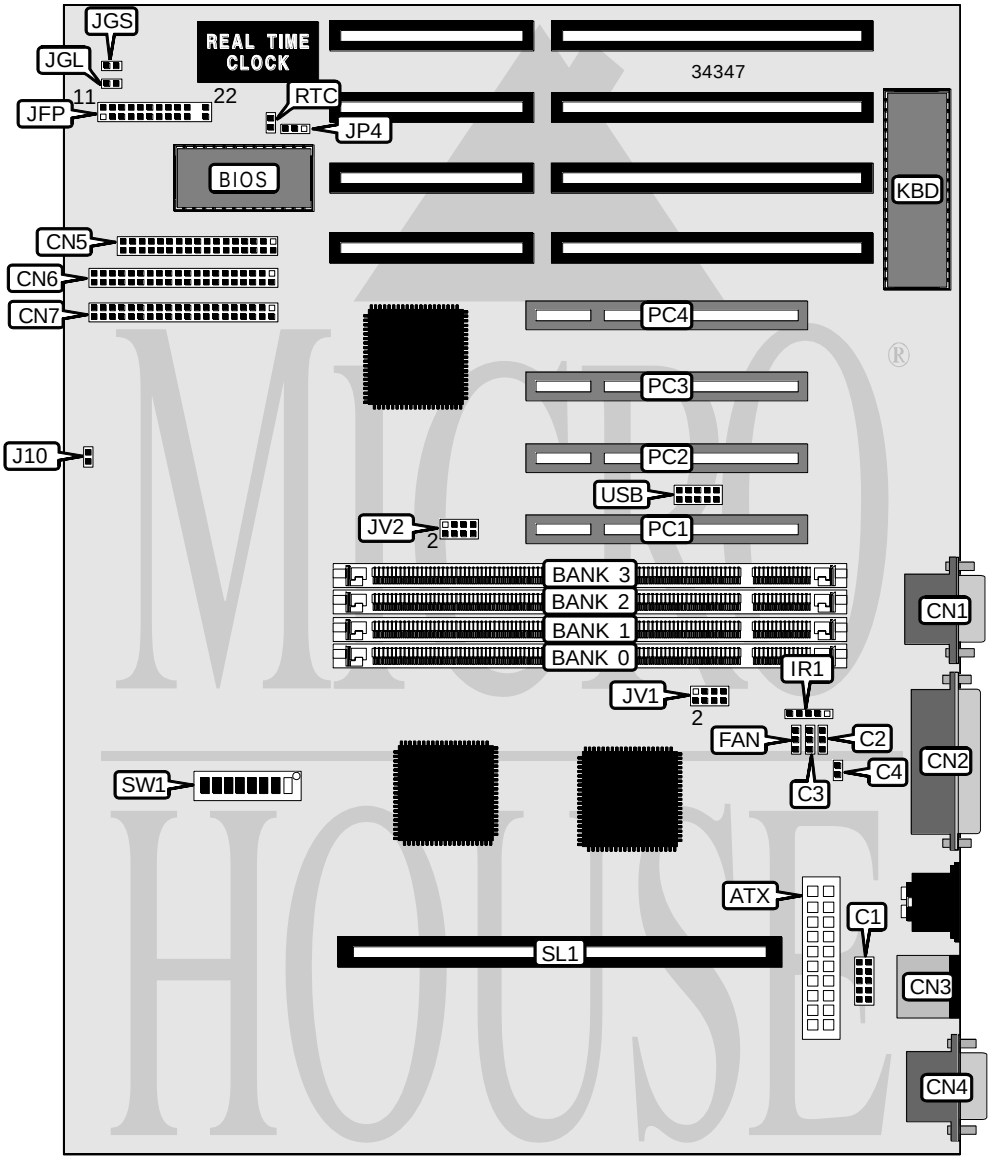
MICRO-STAR INTERNATIONAL CO., LTD.
M S - 6 1 0 9

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	Award
Dimensions	305mm x 245mm
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), IR connector, USB connector, ATX power connector, CPU Slot 1
NPU Options	None



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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	Power LED & keylock	JFP/pins 1 - 5
Serial port 2	CN1	Speaker	JFP/pins 7 - 10
Parallel port	CN2	Turbo LED	JFP/pins 12 & 13
PS/2 mouse port	CN3	Reset switch	JFP/pins 19 & 20
Serial port 1	CN4	IDE interface LED	JFP/pins 21 & 22
Floppy drive interface	CN5	Green PC LED	JGL
IDE interface 2	CN6	Green PC connector	JGS
IDE interface 1	CN7	32-bit PCI slots	PC1 – PC4
Chassis fan power	FAN	CPU Slot 1	SL1
IR connector	IR1	USB connector	USB
Soft off power supply	J10		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Factory configured - do not alter	C1	Unidentified
í Factory configured - do not alter	C2	Unidentified
í Factory configured - do not alter	C3	Unidentified
í Factory configured - do not alter	C4	Unidentified
í Factory configured - do not alter (flash BIOS voltage)	JP4	Unidentified
í CMOS memory normal operation	RTC	Open
CMOS memory clear	RTC	Closed

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

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DIMM CONFIGURATION (CON'T)				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None
256MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None	None
256MB	(1) 32M x 64	None	None	None
384MB	(1) 16M 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
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	None
1GB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
Note: Board accepts EDO memory. Board will not accept SDRAM.				

DIMM VOLTAGE CONFIGURATION		
Voltage	**JV1**	**JV2**
3.3v	1 & 2, 3 & 4, 5 & 6, 7 & 8	Open
5v	Open	1 & 2, 3 & 4, 5 & 6, 7 & 8

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

CPU SPEED SELECTION						
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
233MHz	66MHz	4x	On	On	Off	Off
266MHz	66MHz	4.5x	On	On	Off	Off

CPU SPEED SELECTION (CON'T)						
CPU speed	**Clock speed**	**Multiplier**	**SW1/5**	**SW1/6**	**SW1/7**	**SW1/8**
233MHz	66MHz	4x	On	Off	Off	On
266MHz	66MHz	4.5x	On	On	On	Off