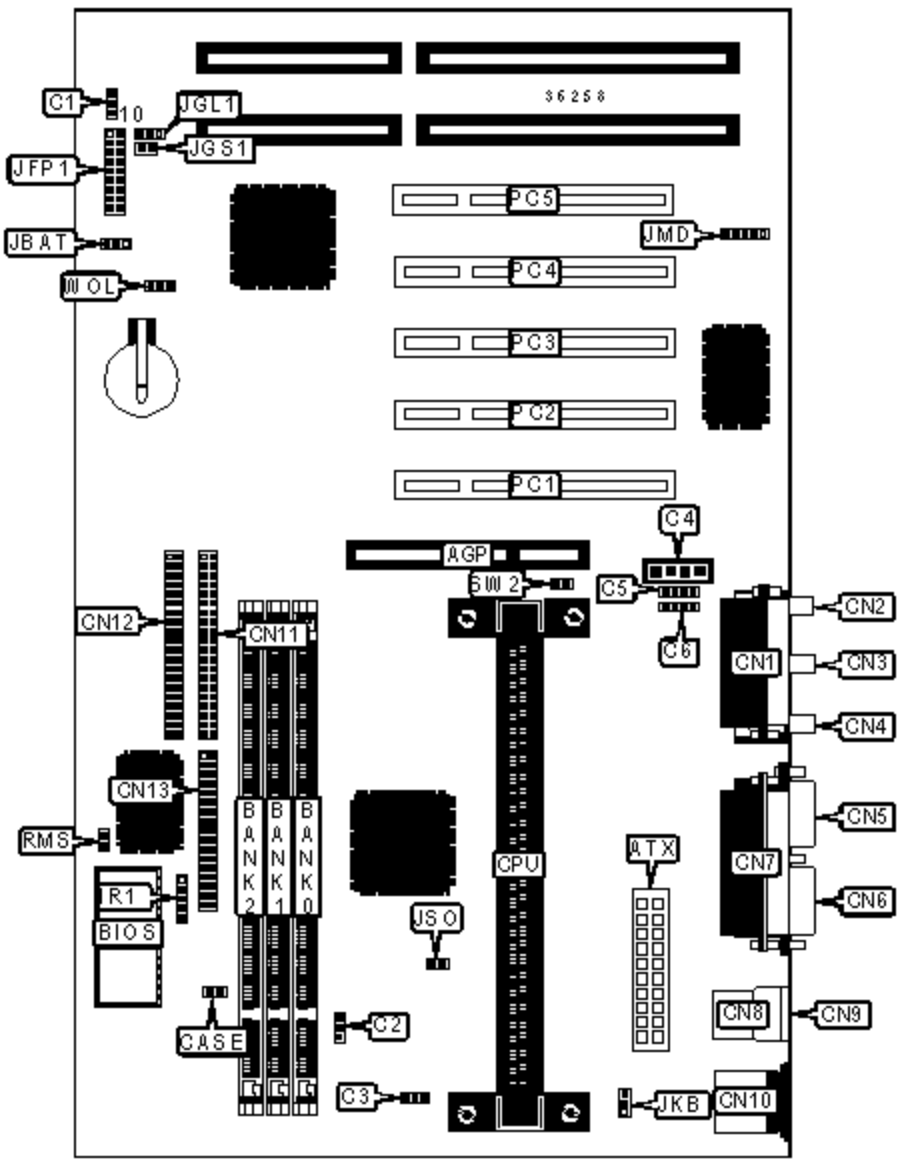


MICRO-STAR INTERNATIONAL CO.,LTD.

MS-6163

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	Unidentified
Chip Set	Intel 440BX
Maximum Onboard Memory	768MB (EDO & SDRAM supported)
Audio Chip Set	Creative
Cache	0/128/256/512KB (located on the CPU)
BIOS	Unidentified
Dimensions	300mm x 192mm
I/O Options	32-bit PCI slots (5), floppy drive interface, game/MIDI port, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, line in, line out, microphone in, audio in - CD-ROM, wake on LAN connector, wake on modem connector



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	PS/2 mouse port	CN10
ATX power connector	ATX	IDE interface 1	CN11
ATX power connector	ATX	IDE interface 2	CN12
Parallel port	JPS1	Serial port 1	CN11
Serial port 2	CN12	Serial port 2	CN12
Game/MIDI port	JGL1	Game/MIDI port	JGL1
Floppy drive interface	JFD1	Floppy drive interface	JFD1
Audio connectors	CN2-CN9	Audio connectors	CN2-CN9
Wake on LAN connector	CN10	Wake on LAN connector	CN10
Wake on modem connector	CN10	Wake on modem connector	CN10

AIX power connector	AIX	IDE interface 2	CN11
Chassis intrusion connector	CASE	IDE interface 1	CN12
Chassis fan power	C1	Floppy drive interface	CN13
CPU fan power	C2	IR connector	IR1
Power supply power	C3	Keylock	JFP1/pins 1 & 10
Audio in - CD-ROM	C4	IDE interface LED	JFP1/pins 3 & 12
Auxiliary in	C5	Power LED	JFP1/pins 4 - 6
Modem in	C6	Soft off power supply	JFP1/pins 7 & 8
Game/MIDI port	CN1	Speaker	JFP1/pins 13 - 16
Microphone in	CN2	Reset switch	JFP1/pins 17 & 18
Line in	CN3	Green PC LED	JGL1
Line out	CN4	Green PC connector	JGS1
Serial port 2	CN5	Wake on modem connector	JMD
Serial port 1	CN6	32-bit PCI slots	PC1 - PC5
Parallel port	CN7	Soft off power supply	RMS
USB connector 1	CN8	Wake on LAN connector	WOL
USB connector 2	CN9		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JBAT	Pins 1 & 2 closed
	CMOS memory clear	JBAT	Pins 2 & 3 closed
»	Keyboard power on disabled	JKB	Pins 2 & 3 closed
	Keyboard power on enabled	JKB	Pins 1 & 2 closed
»	Factory configured - do not alter	JSO	Unidentified
»	Factory configured - do not alter	SW2	Unidentified

DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64

96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
264MB	(1) 32M x 64	(1) 1M x 64	None
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64

272MB	(1) 32M x 64	(1) 2M x 64	None
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64

DIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2
288MB	(1) 32M x 64	(1) 4M x 64	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64	None
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

Note: Board accepts EDO & SDRAM memory.

CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPU. 128KB cache is located on the Celeron 300A & 333 CPU.