INTEL CORPORATION

RC440BX

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	233/266/300/333/350/400MHz
Chip Set	Intel 440BX
Video Chip Set	nVidia
Maximum Onboard Memory	256MB (SDRAM supported)
Maximum Video Memory	2MB
Audio Chip Set	Crystal
Cache	0/128/256/512KB (located on the CPU)
BIOS	AMI
Dimensions	305mm x 244mm
I/O Options	32-bit PCI slots (4), floppy drive interface, game/MIDI port, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), VGA feature connector, VGA port, IR connector, USB connectors (2), ATX power connector, line in, line out, microphone in, audio in – CD-ROM, wake on LAN connector, wake on modem connector

CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	Game/MIDI port	CN1
	C1		CN2
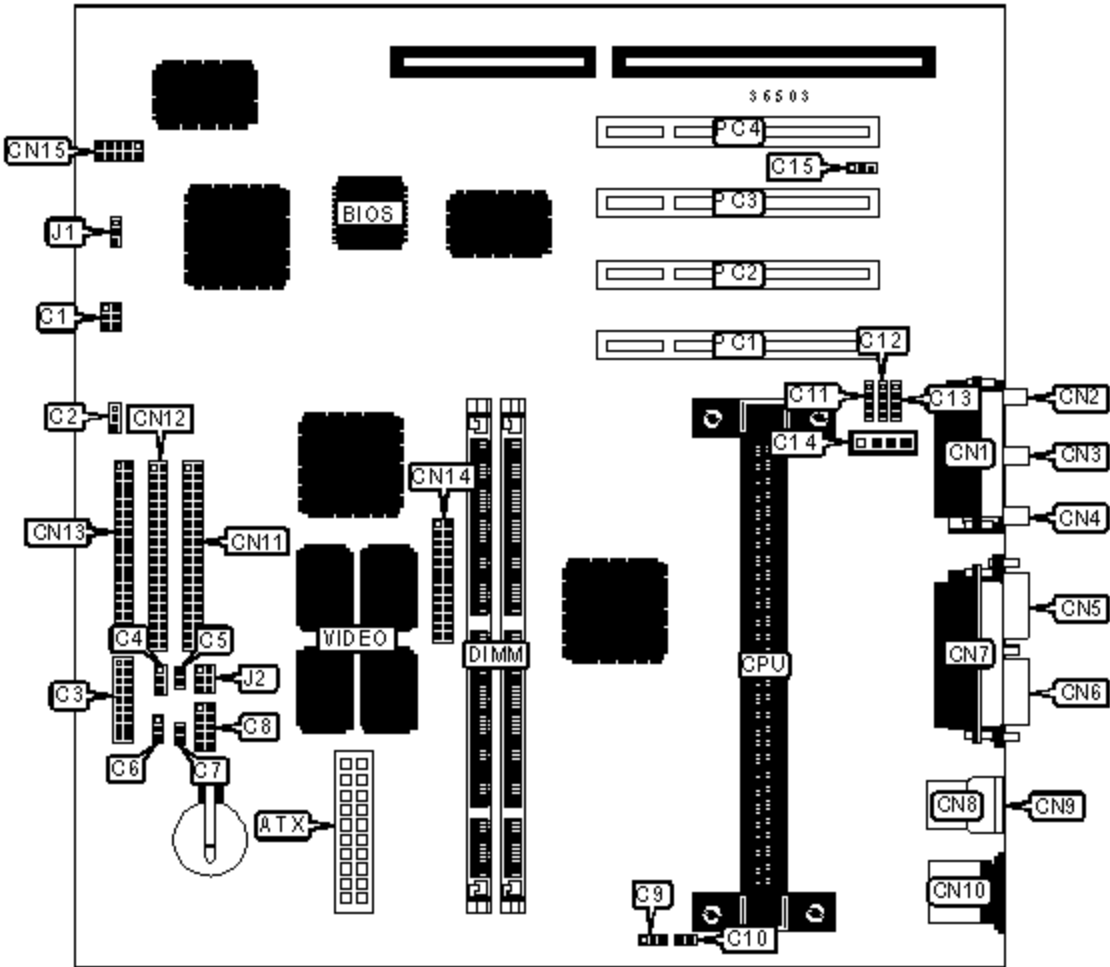
PC/PCI audio connector		Microphone in	CN2
Chassis fan power	C2	Line in	CN3
Front panel connector	C3	Line out	CN4
Wake on LAN connector	C4	Serial port 1	CN5
SCSI interface LED	C5	VGA port	CN6
Chassis fan power	C6	Parallel port	CN7
Wake on modem connector	C7	USB connector 1	CN8
Front panel USB connector	C8	USB connector 2	CN9
Chassis fan power	C9	PS/2 mouse port	CN10
Chassis intrusion connector	C10	IDE interface 1	CN11
Line in	C11	IDE interface 2	CN12
Auxiliary line in	C12	Floppy drive interface	CN13
Telephony connector	C13	VGA feature connector	CN14
Audio in – CD-ROM	C14	Serial port 2	CN15
Digital audio in	C15	32-bit PCI slots	PC1 – PC4

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

128MB	(1) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
Note: Board accepts 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.

VIDEO MEMORY CONFIGURATION

Note: Video memory is factory installed and is not configurable.

USB PORT 1 SELECTION

Setting	J2
Signals routed to back panel	Pins 2 & 3, 5 & 6 closed
Signals routed for a front panel USB	Pins 1 & 2, 4 & 5 closed
USB disconnected	Open

BIOS SELECTION

Setting	J1
Normal operation	Pins 1 & 2 closed
Configuration mode	Pins 2 & 3 closed
Recovery mode	Open