ELITEGROUP COMPUTER SYSTEMS, INC.

P6BX-MS

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	233/266/300/333/350/400/450MHz
Chip Set	Intel 440BX
Video Chip Set	SIS
Audio Chip Set	ESS
Maximum Onboard Memory	768MB (SDRAM supported)
Maximum Video Memory	8MB SDRAM
Maximum Audio Memory	Unidentified
Cache	0/128/256/512KB (located on the CPU)
BIOS	Award
Dimensions	Unidentified
I/O Options	32-bit PCI slots (3), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial port, serial interface, IR connectors (2), USB ports (2), ATX power connector, Wake-On LAN connector, Wake-On modem connector, SB-Link connector, audio in - CD-ROMs (2), game/MIDI port, line out, line in, microphone in, thermal connector, feature connector, TV-out connector, VGA video port
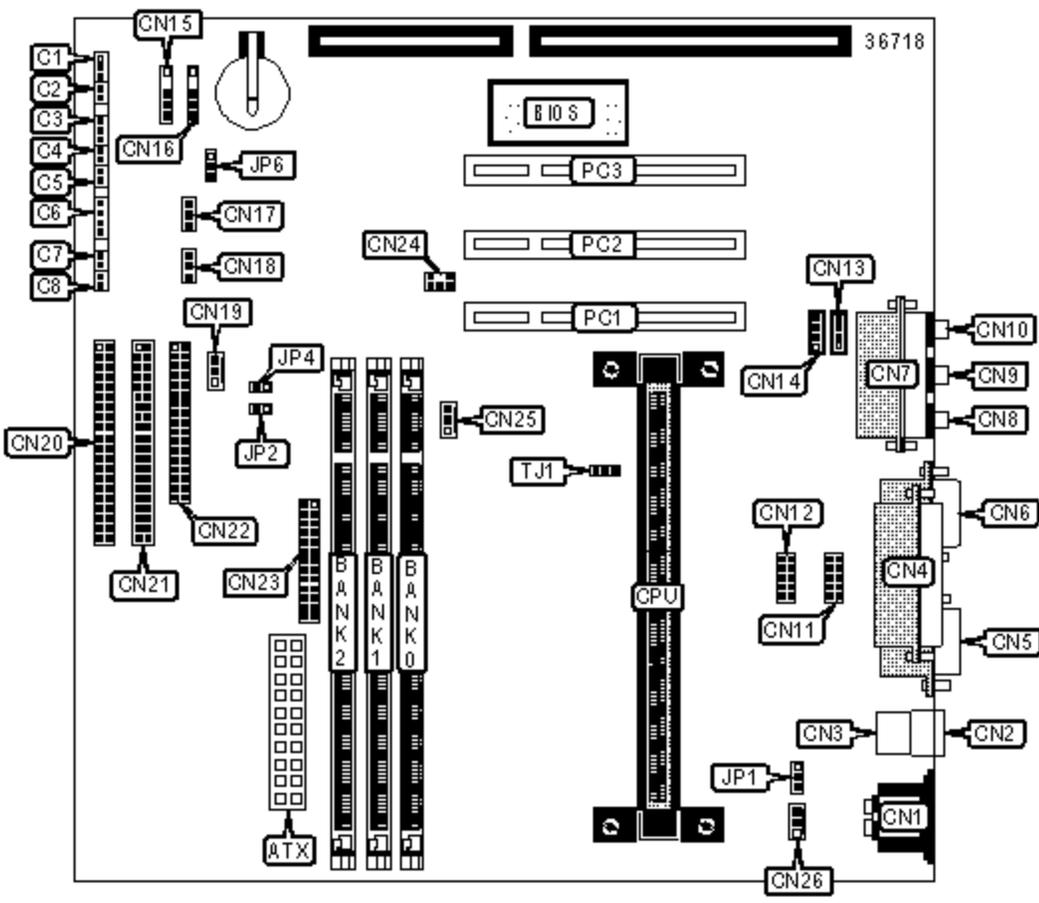
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	TV-out connector	CN11
Power LED connector	C1	Serial interface	CN12
Green PC connector	C2	Audio in - CD-ROM	CN13

Green LED connector	C3	Audio in - CD-ROM	CN14
Keylock connector	C4	IR connector	CN15
Reset switch	C5	Fast IR connector	CN16
Speaker connector	C6	Wake-On LAN connector	CN17
IDE interface LED	C7	Wake-On modem connector	CN18
Power switch	C8	System fan power	CN19
PS/2 mouse port	CN1	IDE interface 1	CN20
USB port 1	CN2	IDE interface 2	CN21
USB port 2	CN3	Floppy drive interface	CN22
Parallel port	CN4	Feature connector	CN23
Serial port 1	CN5	SB-Link connector	CN24
VGA video port	CN6	CPU fan power	CN25
Game/MIDI port	CN7	Power supply fan power	CN26
Line out	CN8	32-bit PCI slots	PC1 - PC3
Line in	CN9	Thermal connector (Thermistor Junction)	TJ1
Microphone in	CN10		

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	Keyboard power on enabled (5V standby)	JP1	Pins 1 & 2 Closed
	Keyboard power on disabled (Vcc)	JP1	Pins 2 & 3 Closed
»	Onboard graphics enabled	JP2	Open
	Onboard graphics disabled	JP2	Closed
»	NTSC video signal for TV-out connector	JP4	Open
	PAL video signal for TV-out connector	JP4	Closed
»	CMOS memory normal operation	JP6	Pins 1 & 2 Closed
	CMOS memory clear	JP6	Pins 2 & 3 Closed

DIMM CONFIGURATION			
Size	**Bank 0**	**Bank 1**	**Bank 2**
8MB	(1) 1M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
16MB	(1) 2M x 64	None	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64

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

Note: SDRAM memory is supported. PC-100 modules must be used if processor operates at a 100MHz bus.

CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II, III CPU. 128KB cache is located on the Celeron 300A and greater CPUs.