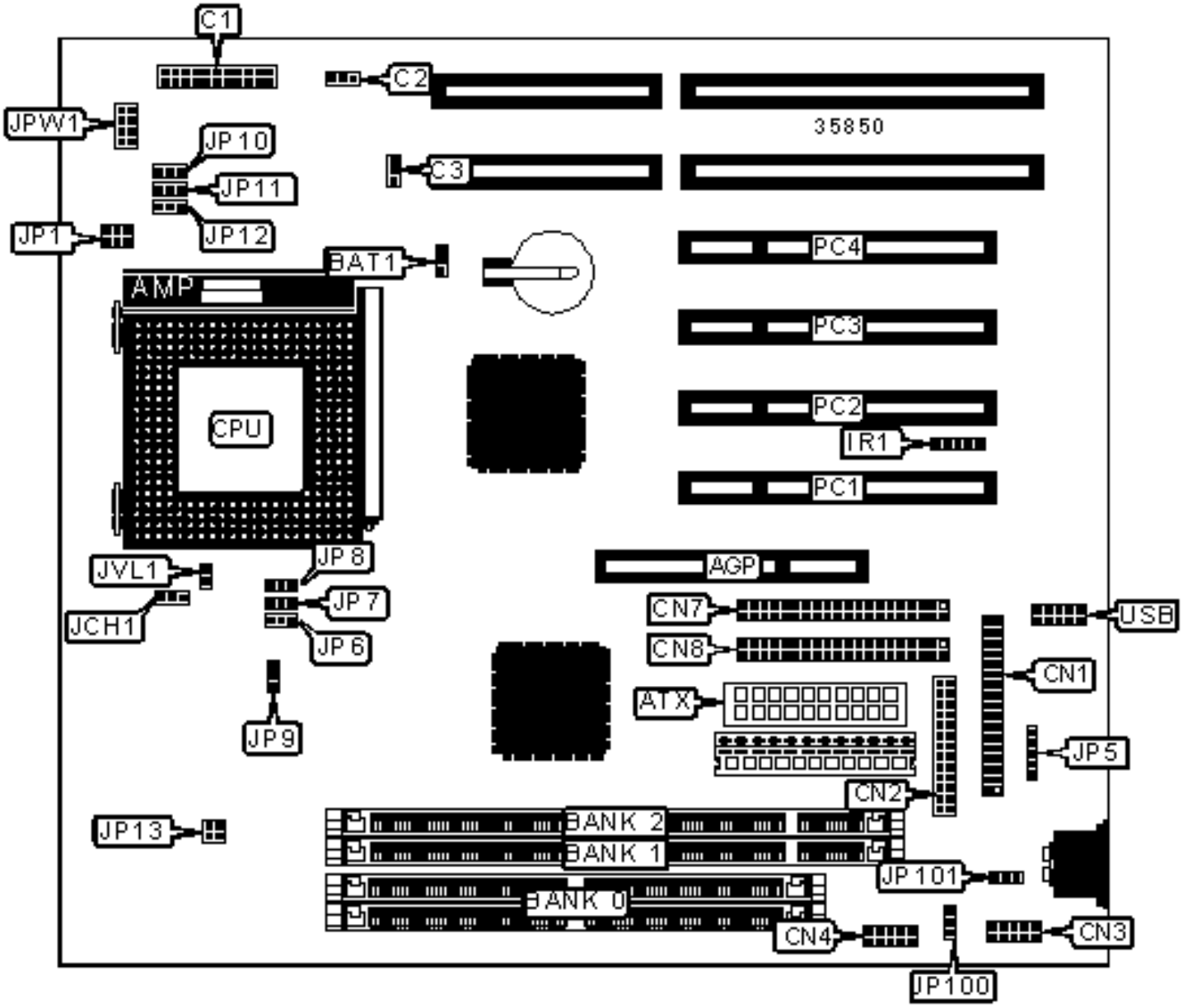
ELITEGROUP COMPUTER SYSTEMS, INC.

P5SD-B+

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	IDE interface 1	CN7
ATX power connector	ATX	IDE interface 2	CN8
Front panel connector	C1	IR connector	IR1
CPU fan power	C2	PS/2 mouse interface	JP5
Chassis fan power	C3	Wake on modem connector	JP100
Floppy drive interface	CN1	Wake on LAN connector	JP101
Parallel port	CN2	32-bit PCI slots	PC1 – PC4
Serial port 2	CN3	USB connector	USB
Serial port 1	CN4		

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	CMOS memory normal operation	BAT1	Pins 1 & 2 closed
	CMOS memory clear	BAT1	Pins 2 & 3 closed
»	Burst mode select interleave	JCH1	Pins 1 & 2 closed
	Burst mode select linear	JCH1	Pins 2 & 3 closed

SIMM CONFIGURATION

Size	Bank 0
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36

Note: Board accepts EDO memory.

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

DIMM CONFIGURATION (CON'T)		
Size	Bank 1	Bank 2
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.

DIMM CONFIGURATION		
Setting	JP9	JP10
SDRAM = CPU CLK	Pins 1 & 2 closed	Pins 2 & 3 closed
SDRAM = AGP CLK	Pins 2 & 3 closed	Pins 1 & 2 closed

CACHE CONFIGURATION

Note: The location of the cache is unidentified.

CPU SPEED SELECTION (CX 6X86)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
166MHz	66MHz	2x	Closed	Open	Open
200MHz	75MHz	2x	Closed	Open	Open

CPU SPEED SELECTION (IBM 6X86)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
166MHz	66MHz	2x	Closed	Open	Open
200MHz	75MHz	2x	Closed	Open	Open

CPU SPEED SELECTION (CX 6X86L)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
166MHz	66MHz	2x	Closed	Open	Open
200MHz	75MHz	2x	Closed	Open	Open

CPU SPEED SELECTION (IBM 6X86L)

CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
166MHz	66MHz	2x	Closed	Open	Open
200MHz	75MHz	2x	Closed	Open	Open

CPU SPEED SELECTION (CX 6X86MX)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
166MHz	66MHz	2x	Closed	Open	Open
200MHz	66MHz	2.5x	Closed	Closed	Open
200MHz	75MHz	2x	Closed	Open	Open
233MHz	66MHz	3x	Open	Closed	Open
233MHz	75MHz	2.5x	Closed	Closed	Open
300MHz	75MHz	3x	Open	Closed	Open

CPU SPEED SELECTION (IBM 6X86MX)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
166MHz	66MHz	2x	Closed	Open	Open
200MHz	66MHz	2.5x	Closed	Closed	Open
200MHz	75MHz	2x	Closed	Open	Open
233MHz	66MHz	3x	Open	Closed	Open
233MHz	75MHz	2.5x	Closed	Closed	Open
300MHz	75MHz	3x	Open	Closed	Open

CPU SPEED SELECTION (CX MII)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
233MHz	83MHz	2x	Closed	Open	Open
266MHz	83MHz	2.5x	Closed	Closed	Open

333MHz	83MHz	3x	Open	Closed	Open

CPU SPEED SELECTION (IBM MII)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
233MHz	83MHz	2x	Closed	Open	Open
266MHz	83MHz	2.5x	Closed	Closed	Open
333MHz	83MHz	3x	Open	Closed	Open

CPU SPEED SELECTION (AM K6)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
166MHz	66MHz	2.5x	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Open	Open
266MHz	66MHz	4x	Closed	Open	Closed
300MHz	66MHz	4.5x	Closed	Closed	Closed

CPU SPEED SELECTION (AM K6-2)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
300MHz	100MHz	3x	Open	Closed	Open
333MHz	95MHz	3.5x	Open	Open	Open
350MHz	100MHz	3.5x	Open	Open	Open

CPU SPEED SELECTION (INTEL)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
100MHz	66MHz	1.5x	Open	Open	Open
133MHz	66MHz	2x	Closed	Open	Open

166MHz	66MHz	2.5x	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open

CPU SPEED SELECTION (INTEL MMX)					
CPU speed	Clock speed	Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
166MHz	66MHz	2.5x	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Open	Open

CPU TYPE SELECTION	
Type	JVL1
Single voltage	Open
Dual voltage	Closed

CPU VOLTAGE SELECTION (SINGLE)		
Voltage		JP13
	3.3v	Pins 3 & 4 closed
»	3.52v	Pins 1 & 2 closed

CPU VOLTAGE SELECTION (DUAL)					
Voltage		JPW1/pins 1 & 2	JPW1/pins 3 & 4	JPW1/pins 5 & 6	JPW1/pins 7 & 8
	2.0v	Open	Open	Open	Open
	2.1v	Open	Open	Open	Closed
	2.2v	Open	Open	Closed	Open
	2.3v	Open	Open	Closed	Closed
	2.4v	Open	Closed	Open	Open

	2.5v	Open	Closed	Open	Closed
	2.6v	Open	Closed	Closed	Open
	2.7v	Open	Closed	Closed	Closed
»	2.8v	Closed	Open	Open	Open
	2.9v	Closed	Open	Open	Closed
	3.0v	Closed	Open	Closed	Open
	3.1v	Closed	Open	Closed	Closed
	3.2v	Closed	Closed	Open	Open
	3.3v	Closed	Closed	Open	Closed
	3.4v	Closed	Closed	Closed	Open
	3.5v	Closed	Closed	Closed	Closed

AGP/PCI FREQUENCY SELECTION

	System bus	AGP bus	PCI bus	JP6	JP7	JP8	JP11	JP12
»	66MHz	66MHz	33MHz	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
	68MHz	68MHz	34MHz	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
	75MHz	75MHz	37MHz	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2
	83MHz	55MHz	27MHz	2 & 3	2 & 3	1 & 2	1 & 2	2 & 3
	90/95MHz	63MHz	31MHz	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3
	100MHz	66MHz	33MHz	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3
	112MHz	74MHz	37MHz	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.