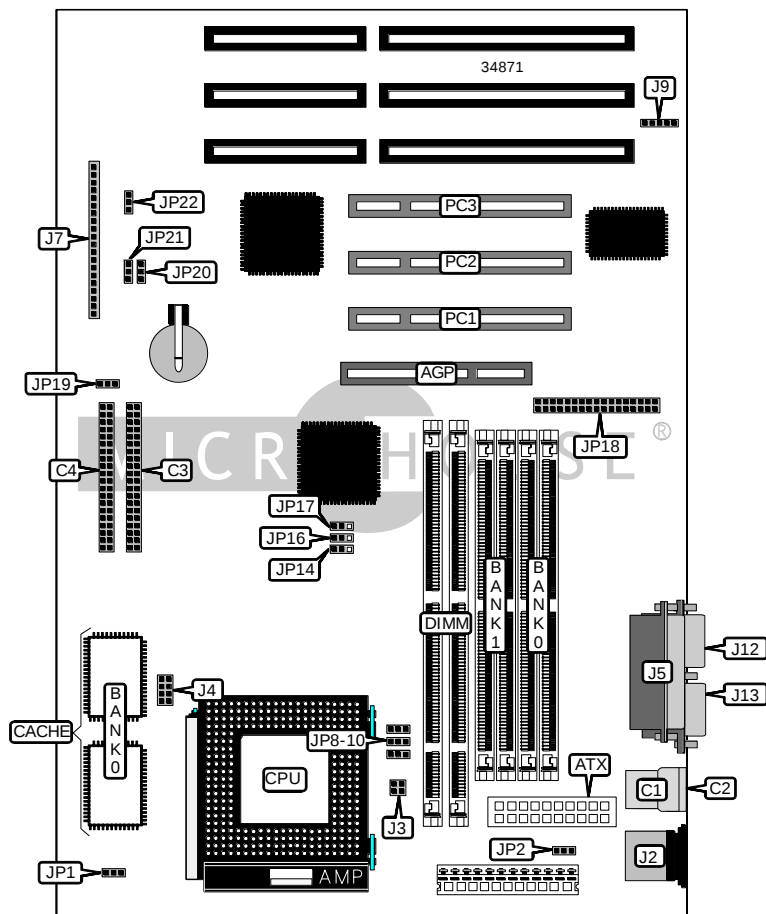


ELITEGROUP COMPUTER SYSTEMS, INC.

P5SD-A

Device Type	Mainboard
Processor	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 686MX/IBM 6X86MX/ AM K5/AM K6/Pentium
Processor Speed	90/100/120/133/150/166/180/200/233/266MHz
Chip Set	SIS
Video Chip Set	None
Maximum Onboard Memory	384MB (EDO & SDRAM supported)
Maximum Video Memory	None
Cache	512KB
BIOS	Award
Dimensions	305mm x 244mm
I/O Options	32-bit PCI slots (3), floppy drive interface, 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
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
AGP slot	AGP	Speaker	J7/pins 13 - 16
ATX power connector	ATX	IDE interface LED	J7/pins 17 & 18
USB connector 1	C1	Soft off power supply	J7/pins 19 & 20
USB connector 2	C2	IR connector	J9
IDE interface 2	C3	Serial port 1	J12
IDE interface 1	C4	Serial port 2	J13
PS/2 mouse port	J2	CPU fan power	JP1
Parallel port	J5	Floppy drive interface	JP18
Power LED	J7/pins 1 - 3	Chassis fan power	JP19
Green PC connector	J7/pins 4 & 5	Wake on modem connector	JP20
Green PC LED	J7/pins 6 - 8	Wake on LAN connector	JP21
Reset switch	J7/pins 9 & 10	32-bit PCI slots	PC1 – PC3
Keylock	J7/pins 11 & 12		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
Power supply select AT	JP2	Pins 1 & 2 closed
Power supply select ATX	JP2	Pins 2 & 3 closed
CMOS memory normal operation	JP22	Pins 1 & 2 closed
CMOS memory clear	JP22	Pins 2 & 3 closed

SIMM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36

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SIMM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36
Note: Board accepts EDO memory. Do not install SIMMs & DIMMs at the same time.		

DIMM CONFIGURATION		
Size	Bank 2	Bank 3
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	
Size	Bank 0
512KB	(2) 64K x 32

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CPU SPEED SELECTION (CX 6X86)								
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP14	JP16	JP17
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (IBM 6X86)								
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP14	JP16	JP17
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (CX 6X86L)								
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP14	JP16	JP17
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (IBM 6X86L)								
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP14	JP16	JP17
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP14	JP16	JP17
166MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
200MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
233MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
233MHz	75MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
266MHz	75MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
Note: Pins designated should be in the closed position.								

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CPU SPEED SELECTION (IBM 6X86MX)								
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP14	JP16	JP17
166MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
200MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
233MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
233MHz	75MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
266MHz	75MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (AM K5)								
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP14	JP16	JP17
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
133MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (AM K6)								
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP14	JP16	JP17
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (INTEL)								
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP14	JP16	JP17
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3
133MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
Note: Pins designated should be in the closed position.								

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CPU SPEED SELECTION (INTEL MMX)								
CPU speed	Clock speed	Multiplier	JP8	JP9	JP10	JP14	JP16	JP17
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
Note: Pins designated should be in the closed position.								

CPU VOLTAGE SELECTION (SINGLE)	
Voltage	J3
3.3v	Pins 3 & 4 closed
3.54v	Pins 1 & 2 closed

CPU VOLTAGE SELECTION (DUAL)				
V core	J4/pins 1 & 2	J4/pins 3 & 4	J4/pins 5 & 6	J4/pins 7 & 8
2.14v	Closed	Open	Open	Open
2.24v	Open	Closed	Open	Open
2.54v	Closed	Open	Closed	Open
2.84v	Open	Open	Open	Closed
2.94v	Closed	Open	Open	Closed
3.24v	Open	Open	Closed	Closed
3.34v	Closed	Open	Closed	Closed
3.54v	Closed	Closed	Closed	Closed