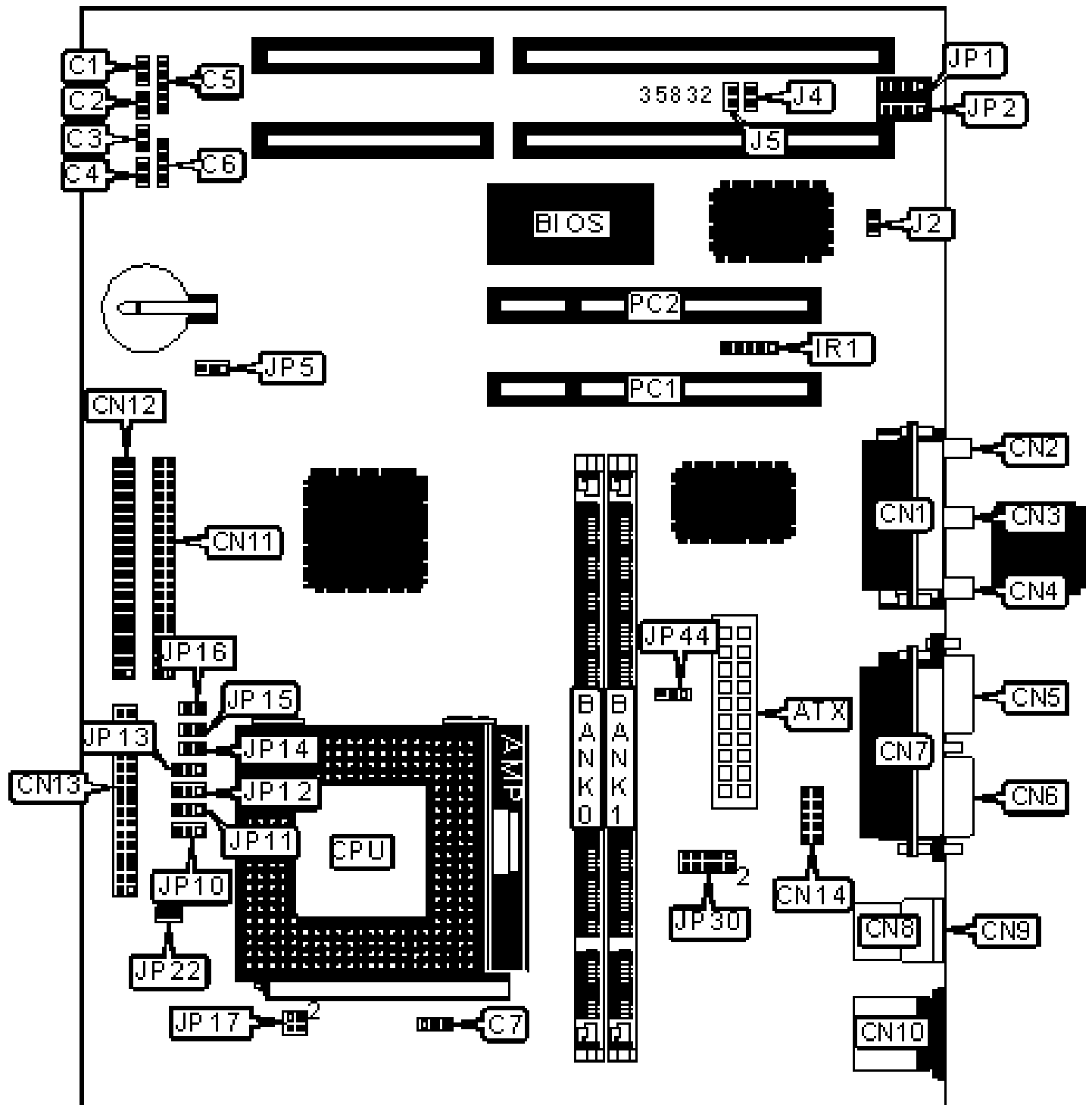


SY-5STM

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Parallel port	CN7
Reset switch	C1	USB connector 1	CN8
Soft off power supply	C2	USB connector 2	CN9
Turbo LED	C3	PS/2 mouse port	CN10
IDE interface LED	C4	IDE interface 2	CN11
Power LED & keylock	C5	IDE interface 1	CN12
Speaker	C6	Floppy drive interface	CN13
CPU fan power	C7	Serial port 2	CN14
Game/MIDI port	CN1	IR connector	IR1
Microphone in	CN2	Audio in – CD-ROM	JP1
Line in	CN3	Audio in – CD-ROM	JP2
Line out	CN4	Wake on LAN connector	JP44
VGA port	CN5	32-bit PCI slots	PC1 – PC2
Serial port 1	CN6		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Factory configured - do not alter	J2	Unidentified
»	Factory configured - do not alter	J4	Unidentified
»	Factory configured - do not alter	J5	Unidentified
»	CMOS memory normal operation	JP5	Pins 1 & 2 closed
	CMOS memory clear	JP5	Pins 2 & 3 closed
»	Factory configured - do not alter	JP22	Unidentified

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

DIMM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
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	
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Note: The location of the cache is unidentified.
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CPU SPEED SELECTION (CX 6X86)	
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CPU speed	Clock speed	Multiplier	JP10	JP11	JP12	JP13
150MHz	60MHz	2x	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86, CON'T)	
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CPU speed	Clock speed	Multiplier	JP14	JP15	JP16
150MHz	60MHz	2x	Open	Open	Closed
166MHz	66MHz	2x	Open	Open	Closed
200MHz	66MHz	2x	Closed	Open	Closed

CPU SPEED SELECTION (CX 6X86MX)	
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CPU speed	Clock speed	Multiplier	JP10	JP11	JP12	JP13
166MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	75MHz	2x	1 & 2	2 & 3	1 & 2	1 & 2
233MHz	75MHz	2.5x	1 & 2	2 & 3	1 & 2	1 & 2
266MHz	83MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX, CON'T)

CPU speed	Clock speed	Multiplier	JP14	JP15	JP16
166MHz	60MHz	2.5x	Closed	Open	Closed
166MHz	66MHz	2x	Open	Open	Closed
200MHz	66MHz	2.5x	Closed	Open	Closed
200MHz	75MHz	2x	Open	Open	Closed
233MHz	75MHz	2.5x	Closed	Open	Closed
266MHz	83MHz	2.5x	Closed	Open	Closed

CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	JP10	JP11	JP12	JP13
300MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX MII, CON'T)

CPU speed	Clock speed	Multiplier	JP14	JP15	JP16
300MHz	66MHz	3.5x	Open	Open	Open

CPU SPEED SELECTION (IDT C6)

CPU speed	Clock speed	Multiplier	JP10	JP11	JP12	JP13
180MHz	60MHz	3x	2 & 3	2 & 3	1 & 2	1 & 2
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2
225MHz	75MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2
240MHz	60MHz	4x	2 & 3	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IDT C6, CON'T)					
CPU speed	Clock speed	Multiplier	JP14	JP15	JP16
180MHz	60MHz	3x	Closed	Open	Open
200MHz	66MHz	3x	Closed	Open	Open
225MHz	75MHz	3x	Closed	Open	Open
240MHz	60MHz	4x	Open	Closed	Closed

CPU SPEED SELECTION (AM K5)						
CPU speed	Clock speed	Multiplier	JP10	JP11	JP12	JP13
90MHz	60MHz	1.5x	2 & 3	2 & 3	1 & 2	1 & 2
100MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2
120MHz	60MHz	2x	2 & 3	2 & 3	1 & 2	1 & 2
133MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2
150MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (AM K5, CON'T)					
CPU speed	Clock speed	Multiplier	JP14	JP15	JP16
90MHz	60MHz	1.5x	Open	Open	Open
100MHz	66MHz	1.5x	Open	Open	Open
120MHz	60MHz	2x	Open	Open	Closed
133MHz	66MHz	2x	Open	Open	Closed
150MHz	60MHz	2.5x	Closed	Open	Closed
166MHz	66MHz	2.5x	Closed	Open	Closed

CPU SPEED SELECTION (AM K6)						
CPU speed	Clock speed	Multiplier	JP10	JP11	JP12	JP13
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	1 & 2
266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3	1 & 2
300MHz	66MHz	4.5x	2 & 3	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (AM K6, CON'T)					
CPU speed	Clock speed	Multiplier	JP14	JP15	JP16
166MHz	66MHz	2.5x	Closed	Open	Closed
200MHz	66MHz	3x	Closed	Open	Open
233MHz	66MHz	3.5x	Open	Open	Open
266MHz	66MHz	4x	Open	Closed	Closed
300MHz	66MHz	4.5x	Closed	Closed	Closed

CPU SPEED SELECTION (AM K6-2)						
CPU speed	Clock speed	Multiplier	JP10	JP11	JP12	JP13
266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (AM K6-2, CON'T)					
CPU speed	Clock speed	Multiplier	JP14	JP15	JP16
266MHz	66MHz	4x	Open	Closed	Closed

CPU SPEED SELECTION (INTEL)						
CPU speed	Clock speed	Multiplier	JP10	JP11	JP12	JP13
90MHz	60MHz	1.5x	2 & 3	2 & 3	1 & 2	1 & 2
100MHz	66MHz	1.5x	2 & 3	1 & 2	2 & 3	1 & 2
120MHz	60MHz	2x	2 & 3	2 & 3	1 & 2	1 & 2
133MHz	66MHz	2x	2 & 3	1 & 2	2 & 3	1 & 2
150MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2.5x	2 & 3	1 & 2	2 & 3	1 & 2
180MHz	60MHz	3x	2 & 3	2 & 3	1 & 2	1 & 2
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (INTEL, CON'T)					
CPU speed	Clock speed	Multiplier	JP14	JP15	JP16
90MHz	60MHz	1.5x	Open	Open	Open
100MHz	66MHz	1.5x	Open	Open	Open
120MHz	60MHz	2x	Open	Open	Closed
133MHz	66MHz	2x	Open	Open	Closed
150MHz	60MHz	2.5x	Closed	Open	Closed
166MHz	66MHz	2.5x	Closed	Open	Closed
180MHz	60MHz	3x	Closed	Open	Open
200MHz	66MHz	3x	Closed	Open	Open

CPU SPEED SELECTION (INTEL MMX)						
CPU speed	Clock speed	Multiplier	JP10	JP11	JP12	JP13

180MHz	60MHz	3x	2 & 3	2 & 3	1 & 2	1 & 2
200MHz	66MHz	3x	2 & 3	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.						

CPU SPEED SELECTION (INTEL MMX, CON'T)					
CPU speed	Clock speed	Multiplier	JP14	JP15	JP16
180MHz	60MHz	3x	Closed	Open	Open
200MHz	66MHz	3x	Closed	Open	Open
233MHz	66MHz	3.5x	Open	Open	Open

CPU VOLTAGE SELECTION		
Voltage		JP17
»	Single	Open
	Dual	Pins 1 & 2, 3 & 4 closed

CPU VOLTAGE SELECTION					
Voltage	JP30/pins 1 & 2	JP30/pins 3 & 4	JP30/pins 5 & 6	JP30/pins 7 & 8	JP30/pins 9 & 10
2.2v	Open	Open	Open	Closed	Open
2.8v	Open	Closed	Open	Open	Open
2.9v	Open	Closed	Open	Open	Closed
3.2v	Open	Closed	Closed	Open	Open
3.52v	Open	Closed	Closed	Closed	Closed