SOLTEK, INC.
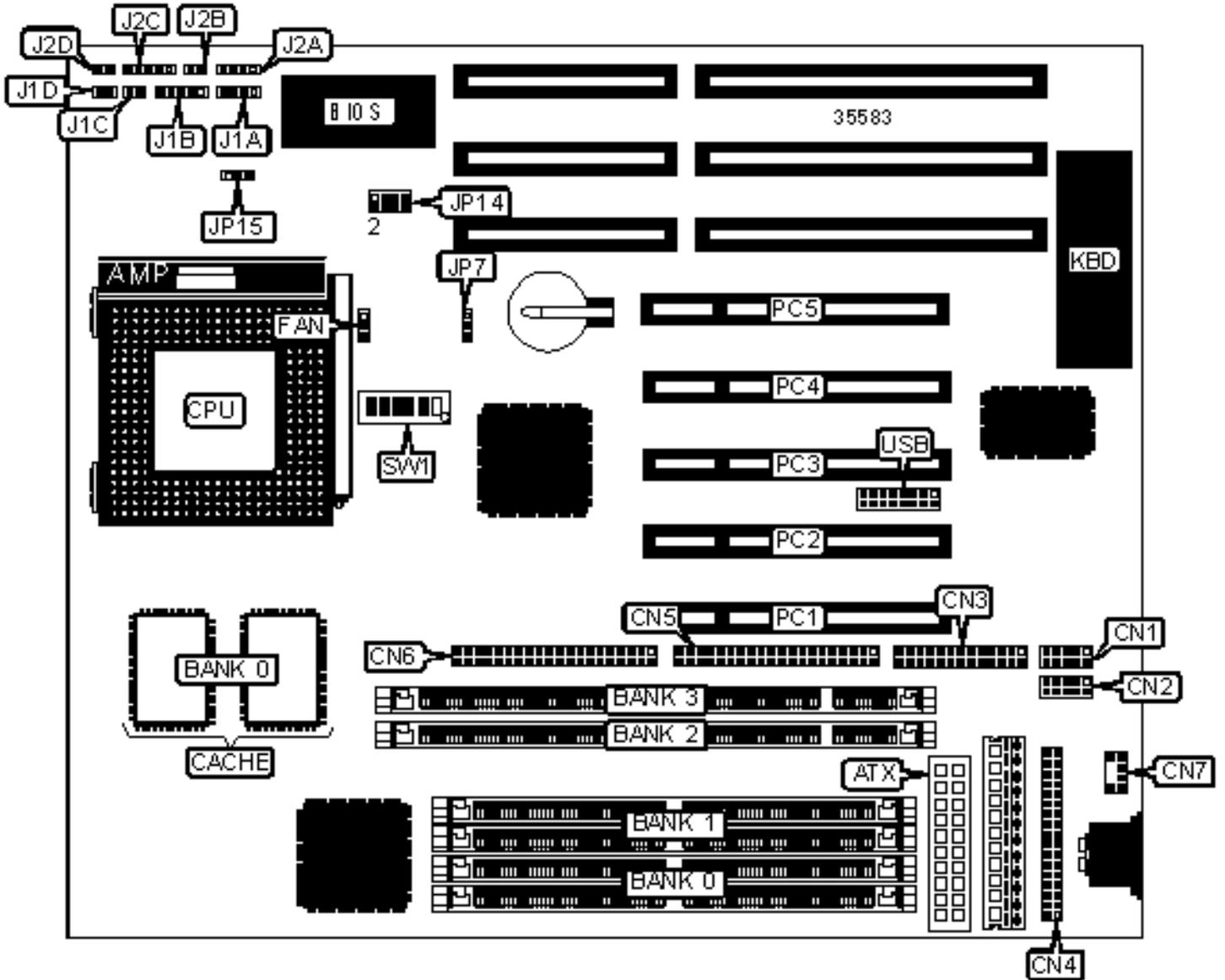
SL-54P2, SL-54P5, SL-54R2, SL-54R5, SL-54S2, SL-54S5

Configuration

CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	IR connector	J1B
Serial port 1	CN1	Soft off power supply	J1C
Serial port 2	CN2	Green PC connector	J1D
Parallel port	CN3	Speaker	J2A
Floppy drive interface	CN4	Reset switch	J2B
IDE interface 2	CN5	Power LED & keylock	J2C
IDE interface 1	CN6	Turbo LED	J2D
PS/2 mouse interface	CN7	32-bit PCI slots	PC1 – PC4
Chassis fan power	FAN	USB connector	USB
IDE interface LED	J1A		

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	CMOS memory normal operation	JP7	Pins 1 & 2 closed
	CMOS memory clear	JP7	Pins 2 & 3 closed
	Flash BIOS programming enabled	JP15	Pins 1 & 2 closed
	Flash BIOS programming disabled	JP15	Pins 2 & 3 closed
»	Power type select AT	SW1/6	On
	Power type select ATX	SW1/6	Off

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
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.		

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

CACHE CONFIGURATION	
Size	Bank 0
256KB	(2) 32K x 32
512KB	(2) 64K x 32

CPU SPEED SELECTION (CX 6X86)							
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
133MHz	55MHz	2x	On	Off	On	On	Off
150MHz	60MHz	2x	On	Off	On	Off	Off

166MHz	66MHz	2x	On	Off	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	On	Off

CPU SPEED SELECTION (CX 6X86L)							
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
133MHz	55MHz	2x	On	Off	On	On	Off
150MHz	60MHz	2x	On	Off	On	Off	Off
166MHz	66MHz	2x	On	Off	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	On	Off

CPU SPEED SELECTION (CX 6X86MX)							
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
150MHz	60MHz	2x	On	Off	Off	Off	Off
166MHz	66MHz	2x	On	On	On	Off	Off
200MHz	66MHz	2x	On	On	Off	Off	Off
233MHz	66MHz	2x	Off	On	Off	Off	Off
266MHz	66MHz	2x	Off	On	Off	On	Off

CPU SPEED SELECTION (AM K5)							
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
90MHz	60MHz	1.5x	Off	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off
120MHz		1.5x	Off	Off	On	Off	Off
133MHz		1.5x	Off	Off	Off	Off	Off
150MHz	60MHz	2.5x	On	On	On	Off	Off
166MHz	66MHz	2.5x	On	On	Off	Off	Off

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
166MHz	66MHz	2.5x	On	On	Off	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off
266MHz	66MHz	4x	On	Off	Off	Off	On
300MHz	66MHz	4.5x	On	On	Off	Off	On
333MHz	66MHz	5x	Off	On	Off	Off	On
366MHz	66MHz	5.5x	Off	Off	Off	Off	On

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
90MHz	60MHz	1.5x	Off	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off
120MHz	60MHz	2x	On	Off	On	Off	Off
133MHz	66MHz	2x	On	Off	Off	Off	Off
150MHz	60MHz	2.5x	On	On	On	Off	Off
166MHz	66MHz	2.5x	On	On	Off	Off	Off
180MHz	60MHz	3x	Off	On	On	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
166MHz	66MHz	2.5x	On	On	Off	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off

| 233MHz | 66MHz | 3.5x | Off | Off | Off | Off | Off |

CPU VOLTAGE SELECTION	
Voltage	JP14
2.0v	Open
2.1v	Pins 7 & 8 closed
2.2v	Pins 5 & 6 closed
2.3v	Pins 5 & 6, 7 & 8 closed
2.4v	Pins 3 & 4 closed
2.5v	Pins 3 & 4, 7 & 8 closed
2.6v	Pins 3 & 4, 5 & 6 closed
2.7v	Pins 3 & 4, 5 & 6, 7 & 8 closed
2.8v	Pins 1 & 2 closed
2.9v	Pins 1 & 2, 7 & 8 closed
3.0v	Pins 1 & 2, 5 & 6 closed
3.1v	Pins 1 & 2, 5 & 6, 7 & 8 closed
3.2v	Pins 1 & 2, 3 & 4 closed
3.3v	Pins 1 & 2, 3 & 4, 7 & 8 closed
3.4v	Pins 1 & 2, 3 & 4, 5 & 6 closed
3.5v	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8 closed