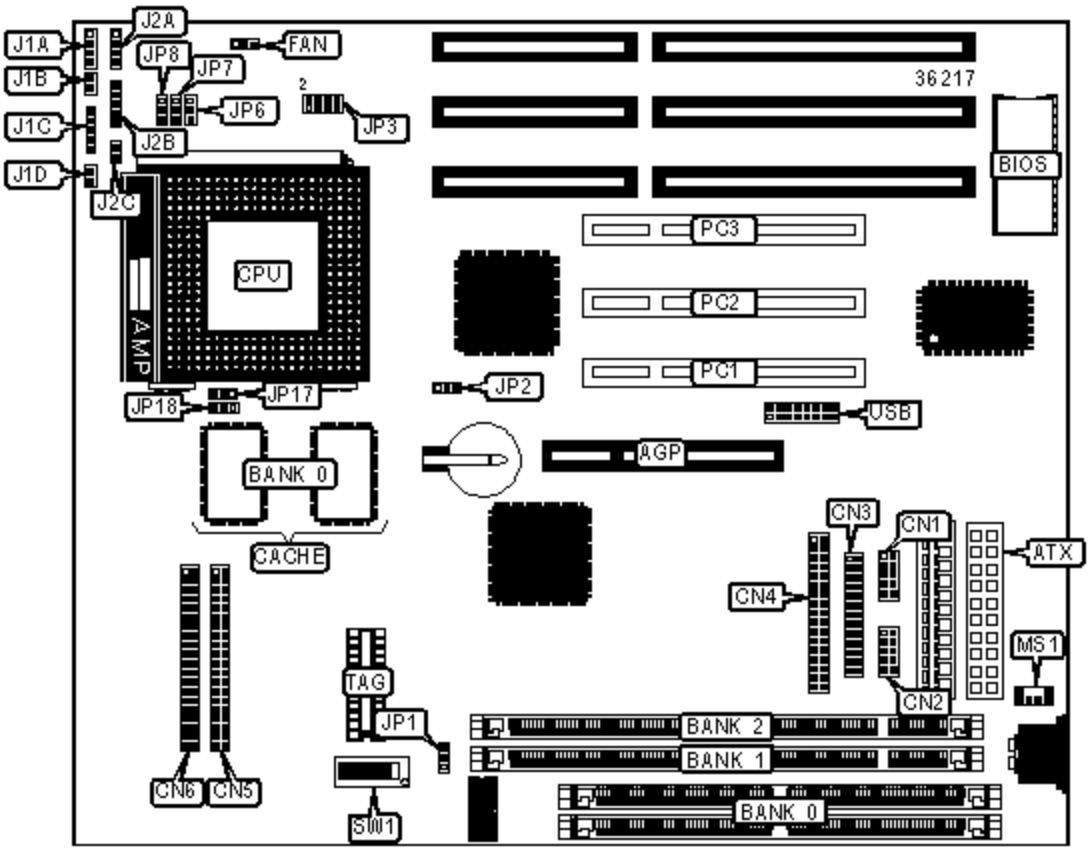
SOLTEK COMPUTER, INC .

SL-54U5 (VER. 3.0)

Device Type	Mainboard
Processor	CX 6x86MX/IDT C6/AM K5/AM K6/AM K6-2/Pentium/Pentium MMX
Processor Speed	133/150/166/180/200/233/266/275/333/350MHz
Chip Set	VIA Apollo
Maximum Onboard Memory	768MB (EDO & SDRAM supported)
Cache	512/1024KB
BIOS	Award
I/O Options	32-bit PCI slots (3), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse connector, serial ports (2), USB connectors (2), IR connector, AGP slot, ATX power connector
Dimensions	240mm x 220mm



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AGP slot	AGP	Reset switch	J1B
ATX power supply	ATX	Power LED & keylock	J1C
Serial port 1	CN1	Turbo LED	J1D
Serial port 2	CN2	IDE interface LED	J2A
Parallel port	CN3	IR connector	J2B
Floppy drive interface	CN4	Power switch	J2C

IDE interface 1	CN5	PS/2 mouse interface	MS1
IDE interface 2	CN6	32-bit PCI slots	PC1 - PC3
CPU fan power	FAN	USB connector	USB
Speaker	J1A		

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	CMOS memory normal operation	JP2	Pins 1 & 2 closed
	CMOS memory clear	JP2	Pins 2 & 3 closed

DRAM CONFIGURATION			
Size	**Bank 0**	**Bank 1**	**Bank 2**
8MB	(2) 1MB x 36	None	None
16MB	(2) 1MB x 36	(1) 1MB x 64	None
16MB	(2) 2MB x 36	None	None
24MB	(2) 1MB x 36	(1) 1MB x 64	(1) 1MB x 64
24MB	(2) 2MB x 36	(1) 1MB x 64	None
32MB	(2) 2MB x 36	(1) 2MB x 64	None
32MB	(2) 4MB x 64	None	None
40MB	(2) 2MB x 36	(1) 2MB x 64	(1) 1MB x 64
40MB	(2) 4MB x 36	(1) 1MB x 64	None
48MB	(2) 2MB x 36	(1) 2MB x 64	(1) 2MB x 64
48MB	(2) 4MB x 36	(1) 2MB x 64	None
64MB	(2) 4MB x 36	(1) 4MB x 64	None
64MB	(2) 8MB x 36	None	None
72MB	(2) 4MB x 36	(1) 4MB x 64	(1) 1MB x 64
72MB	(2) 8MB x 36	(1) 1MB x 64	None

80MB	(2) 4MB x 36	(1) 4MB x 64	(1) 2MB x 64
80MB	(2) 8MB x 36	(1) 2MB x 64	None
96MB	(2) 4MB x 36	(1) 4MB x 64	(1) 4MB x 64
96MB	(2) 8MB x 36	(1) 4MB x 64	None
128MB	(2) 8MB x 36	(1) 8MB x 64	None
128MB	(2) 16MB x 36	None	None
136MB	(2) 8MB x 36	(1) 8MB x 64	(1) 1MB x 64
136MB	(2) 16MB x 36	(1) 1MB x 64	None
144MB	(2) 8MB x 36	(1) 8MB x 64	(1) 2MB x 64
144MB	(2) 16MB x 36	(1) 2MB x 64	None
160MB	(2) 8MB x 36	(1) 8MB x 64	(1) 4MB x 64
160MB	(2) 16MB x 36	(1) 4MB x 64	None
196MB	(2) 8MB x 36	(1) 8MB x 64	(1) 8MB x 64
196MB	(2) 16MB x 36	(1) 8MB x 64	None

DRAM CONFIGURATION (CONT.)			
Size	**Bank 0**	**Bank 1**	**Bank 2**
256MB	(2) 16MB x 36	(1) 16MB x 64	None
256MB	(2) 32MB x 36	None	None
264MB	(2) 32MB x 36	(1) 1MB x 64	None
272MB	(2) 32MB x 36	(1) 2MB x 64	None
288MB	(2) 32MB x 36	(1) 4MB x 64	None
320MB	(2) 32MB x 36	(1) 8MB x 64	None
384MB	(2) 32MB x 36	(1) 16MB x 64	None
512MB	(2) 32MB x 36	(1) 32MB x 64	None
520MB	(2) 32MB x 36	(1) 32MB x 64	(1) 1MB x 64
528MB	(2) 32MB x 36	(1) 32MB x 64	(1) 2MB x 64
544MB	(2) 32MB x 36	(1) 32MB x 64	(1) 4MB x 64

576MB	(2) 32MB x 36	(1) 32MB x 64	(1) 8MB x 64
640MB	(2) 32MB x 36	(1) 32MB x 64	(1) 16MB x 64
768MB	(2) 32MB x 36	(1) 32MB x 64	(1) 32MB x 64

SDRAM CLOCK SETTINGS			
SDRAM Clock Speed		**JP1**	**JP6**
»	CPU Clock	Pins 1 & 2 closed	Pins 2 & 3 closed
	AGP Clock (66MHz)	Pins 2 & 3 closed	Pins 1 & 2 closed

CACHE CONFIGURATION	
Cache	**Bank 0**
512KB	(2) 64KB x 32
1024KB	(2) 128KB x 32

CPU SPEED SELECTION (CX 6X86MX)						
CPU Speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
200MHz	66MHz	2.5x	Off	On	On	On
200MHz	75MHz	2x	Off	Off	On	On
233MHz	66MHz	3x	Off	On	On	Off
233MHz	75MHz	2.5x	Off	Off	On	On
266MHz	75MHz	3x	Off	Off	On	Off
266MHz	83MHz	2.5x	Off	On	Off	On

CPU SPEED SELECTION (CX 6X86MX CONT.)						
CPU Speed	**Clock speed**	**Multiplier**	**SW1/5**	**SW1/6**	**JP7**	**JP8**
200MHz	66MHz	2.5x	On	Off	2 & 3	2 & 3

200MHz	75MHz	2x	Off	Off	2 & 3	2 & 3
233MHz	66MHz	3x	On	Off	2 & 3	2 & 3
233MHz	75MHz	2.5x	On	Off	2 & 3	2 & 3
266MHz	75MHz	3x	On	Off	2 & 3	2 & 3
266MHz	83MHz	2.5x	On	Off	1 & 2	1 & 2
Note: Numbers designate pins that should be closed.						

CPU SPEED SELECTION (IDT C6)						
CPU Speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
200MHz	66MHz	3x	Off	On	On	Off
233MHz	66MHz	3.5x	Off	On	On	Off
266MHz	66MHz	4x	Off	On	On	On

CPU SPEED SELECTION (IDT C6 CONT.)						
CPU Speed	**Clock speed**	**Multiplier**	**SW1/5**	**SW1/6**	**JP7**	**JP8**
200MHz	66MHz	3x	On	Off	2 & 3	2 & 3
233MHz	66MHz	3.5x	Off	Off	2 & 3	2 & 3
266MHz	66MHz	4x	Off	On	2 & 3	2 & 3

CPU SPEED SELECTION (AM K5)						
CPU Speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
133MHz	66MHz	1.5x	Off	On	On	On
166MHz	66MHz	2.5x	Off	On	On	On
200MHz	66MHz	3x	Off	On	On	Off

CPU SPEED SELECTION (AM K5 CONT.)						
CPU Speed	**Clock speed**	**Multiplier**	**SW1/5**	**SW1/6**	**JP7**	**JP8**

133MHz	66MHz	1.5x	Off	Off	2 & 3	2 & 3
166MHz	66MHz	2.5x	On	Off	2 & 3	2 & 3
200MHz	66MHz	3x	On	Off	2 & 3	2 & 3

CPU SPEED SELECTION (AM K6)						
CPU Speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
166MHz	66MHz	2.5x	Off	On	On	On
200MHz	66MHz	3x	Off	On	On	Off
233MHz	60MHz	3.5x	Off	On	On	Off
266MHz	66MHz	3.5x	Off	On	On	On

CPU SPEED SELECTION (AM K6 CONT.)						
CPU Speed	**Clock speed**	**Multiplier**	**SW1/5**	**SW1/6**	**JP7**	**JP8**
166MHz	66MHz	2.5x	On	Off	2 & 3	2 & 3
200MHz	66MHz	3x	On	Off	2 & 3	2 & 3
233MHz	60MHz	3.5x	Off	Off	2 & 3	2 & 3
266MHz	66MHz	3.5x	Off	On	2 & 3	2 & 3

CPU SPEED SELECTION (AM K6-2)						
CPU Speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
250MHz	100MHz	2.5x	Off	Off	Off	On
266MHz	66MHz	4x	Off	On	On	On
300MHz	100MHz	3x	Off	Off	Off	Off
350MHz	100MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (AM K6-2 CONT.)						
CPU Speed	**Clock speed**	**Multiplier**	**SW1/5**	**SW1/6**	**JP7**	**JP8**

250MHz	100MHz	2.5x	On	Off	1 & 2	2 & 3
266MHz	66MHz	4x	Off	On	2 & 3	2 & 3
300MHz	100MHz	3x	On	Off	1 & 2	2 & 3
350MHz	100MHz	3.5x	Off	Off	1 & 2	2 & 3

CPU SPEED SELECTION (PENTIUM)						
CPU Speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
133MHz	66MHz	1.5x	Off	On	On	On
166MHz	66MHz	2.5x	Off	On	On	On
200MHz	66MHz	3x	Off	On	On	Off

CPU SPEED SELECTION (PENTIUM CONT.)						
CPU Speed	**Clock speed**	**Multiplier**	**SW1/5**	**SW1/6**	**JP7**	**JP8**
133MHz	66MHz	1.5x	Off	Off	2 & 3	2 & 3
166MHz	66MHz	2.5x	On	Off	2 & 3	2 & 3
200MHz	66MHz	3x	On	Off	2 & 3	2 & 3

CPU SPEED SELECTION (PENTIUM MMX)						
CPU Speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**
166MHz	66MHz	2.5x	Off	On	On	On
200MHz	66MHz	3x	Off	On	On	Off
233MHz	66MHz	3.5x	Off	On	On	Off

CPU SPEED SELECTION (PENTIUM MMX CONT.)						
CPU Speed	**Clock speed**	**Multiplier**	**SW1/5**	**SW1/6**	**JP7**	**JP8**
166MHz	66MHz	2.5x	On	Off	2 & 3	2 & 3

200MHz	66MHz	3x	On	Off	2 & 3	2 & 3
233MHz	66MHz	3.5x	Off	Off	2 & 3	2 & 3

CPU VOLTAGE SELECTION (SINGLE)			
Voltage (core)	**JP3**	**JP17**	**JP18**
3.3v	Pins 1 & 2, 5 & 6, 7 & 8	Pins 1 & 2	Pins 1 & 2
3.5v	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8	Pins 1 & 2	Pins 1 & 2
Note: Pins designated are in the closed position			

CPU VOLTAGE SELECTION (DUAL)			
Voltage (core)	**JP3**	**JP17**	**JP18**
2.0v	Open	Pins 2 & 3	Pins 2 & 3
2.1v	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3
2.2v	Pins 3 & 4	Pins 2 & 3	Pins 2 & 3
2.3v	Pins 1 & 2, 3 & 4	Pins 2 & 3	Pins 2 & 3
2.4v	Pins 5 & 6	Pins 2 & 3	Pins 2 & 3
2.5v	Pins 1 & 2, 5 & 6	Pins 2 & 3	Pins 2 & 3
2.6v	Pins 3 & 4, 5 & 6	Pins 2 & 3	Pins 2 & 3
2.7v	Pins 1 & 2, 3 & 4, 5 & 6	Pins 2 & 3	Pins 2 & 3
2.8v	Pins 7 & 8	Pins 2 & 3	Pins 2 & 3
2.9v	Pins 1 & 2, 7 & 8	Pins 2 & 3	Pins 2 & 3
3.0v	Pins 3 & 4, 7 & 8	Pins 2 & 3	Pins 2 & 3
3.1v	Pins 1 & 2, 3 & 4, 7 & 8	Pins 2 & 3	Pins 2 & 3
3.2v	Pins 5 & 6, 7 & 8	Pins 2 & 3	Pins 2 & 3
3.3v	Pins 1 & 2, 5 & 6, 7 & 8	Pins 1 & 2	Pins 1 & 2
3.4v	Pins 3 & 4, 5 & 6, 7 & 8	Pins 2 & 3	Pins 2 & 3
3.5v	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8	Pins 1 & 2	Pins 1 & 2
Note: Pins designated are in the closed position			