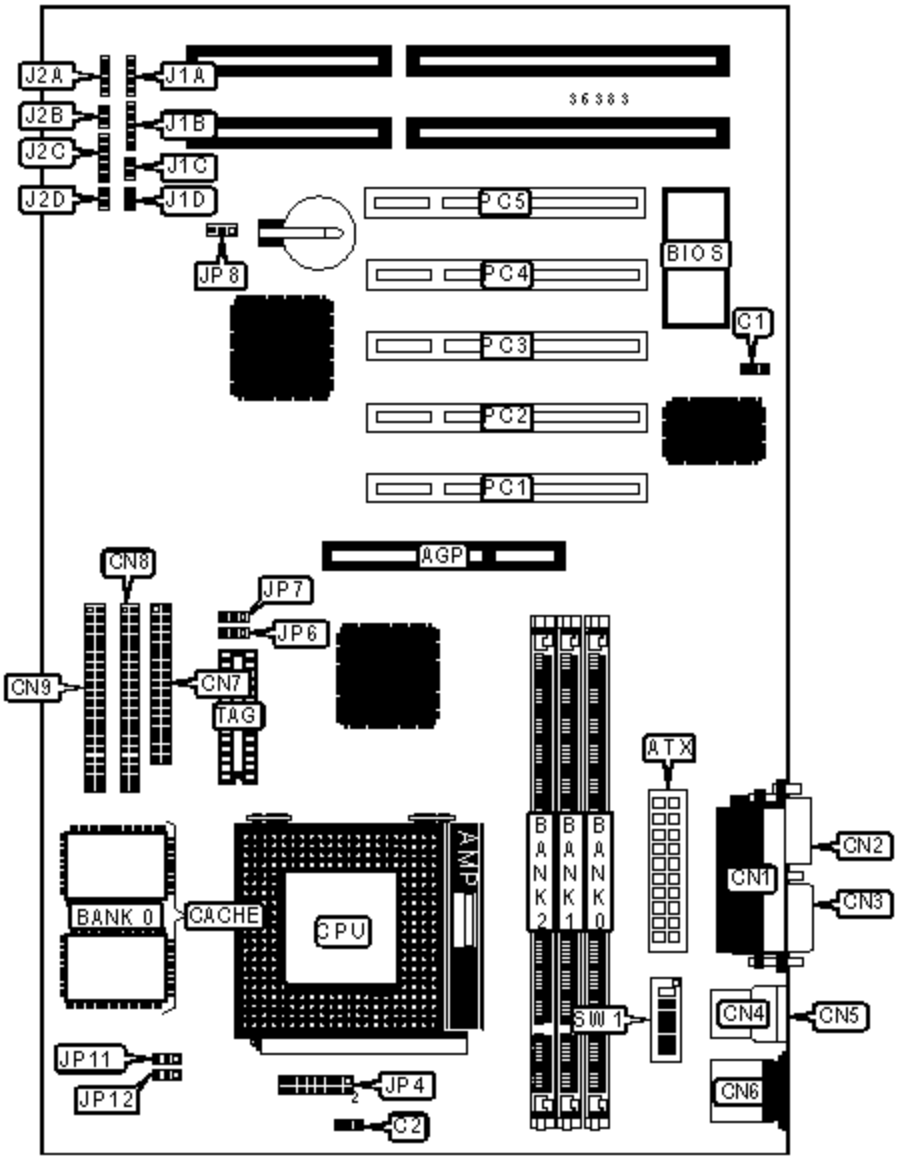
SOLTEK COMPUTER, INC.

SL-56D1, SL-56D5

Device Type	Mainboard
Processor	CX MII/AM K5/AM K6/AM K6-2/IDT C6/Pentium/Pentium MMX
Processor Speed	133/166/200/225/233/250/266/300/333/350MHz
Chip Set	VIA MVP3
Maximum Onboard Memory	768MB (SDRAM & PC100 supported)
Cache	512/1024KB
BIOS	Award
Dimensions	305mm x 180mm
I/O Options	32-bit PCI slots (5), 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, wake on LAN connector



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AGP slot	AGP	IDE interface 2	CN8
ATX power connector	ATX	IDE interface 1	CN9

Chassis fan power	C1	IDE interface LED	J1A
Wake on LAN connector	C2	IR connector	J1B
Parallel port	CN1	Soft off power supply	J1C
Serial port 2	CN2	Green PC connector	J1D
Serial port 1	CN3	Speaker	J2A
USB connector 1	CN4	Reset switch	J2B
USB connector 2	CN5	Power LED & keylock	J2C
PS/2 mouse port	CN6	Green PC LED	J2D
Floppy drive interface	CN7	32-bit PCI slots	PC1 - PC5

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	CMOS memory normal operation	JP8	Pins 1 & 2 closed
	CMOS memory clear	JP8	Pins 2 & 3 closed

DIMM CONFIGURATION			
Size	**Bank 0**	**Bank 1**	**Bank 2**
8MB	(1) 1M x 64	None	None
16MB	(1) 2M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64	None
24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64	None
40MB	(1) 2M x 64	(1) 2M x 64	(1) 1M x 64

48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
56MB	(1) 4M x 64	(1) 2M x 64	(1) 1M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64	None
72MB	(1) 4M x 64	(1) 4M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
88MB	(1) 8M x 64	(1) 2M x 64	(1) 1M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
104MB	(1) 8M x 64	(1) 4M x 64	(1) 1M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64

DIMM CONFIGURATION (CON'T)			
Size	**Bank 0**	**Bank 1**	**Bank 2**
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64	None
136MB	(1) 8M x 64	(1) 8M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64	None

144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
152MB	(1) 16M x 64	(1) 2M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
168MB	(1) 16M x 64	(1) 4M x 64	(1) 1M x 64
176MB	(1) 16M x 64	(1) 4M x 64	(1) 2M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
200MB	(1) 16M x 64	(1) 8M x 64	(1) 1M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
224MB	(1) 16M x 64	(1) 8M x 64	(1) 4M x 64
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
264MB	(1) 32M x 64	(1) 1M x 64	None
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64	None
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64	None
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

Note: Board accepts SDRAM & PC100 memory.

CACHE CONFIGURATION		
Size	**Bank 0**	**TAG**
512KB	(2) 64K x 32	Unidentified
1MB	(2) 128K x 32	Unidentified

CPU SPEED SELECTION (CX MII)				
CPU speed	**Clock speed**	**Multiplier**	**JP6**	**JP7**
300MHz	66MHz	3.5x	Pins 2 & 3 closed	Pins 2 & 3 closed
300MHz	75MHz	3x	Pins 2 & 3 closed	Pins 2 & 3 closed
333MHz	100MHz	2.5x	Pins 2 & 3 closed	Pins 1 & 2 closed
333MHz	66MHz	4x	Pins 2 & 3 closed	Pins 2 & 3 closed
333MHz	75MHz	3.5x	Pins 2 & 3 closed	Pins 2 & 3 closed
350MHz	83MHz	3.5x	Pins 1 & 2 closed	Pins 1 & 2 closed
350MHz	100MHz	3x	Pins 2 & 3 closed	Pins 1 & 2 closed
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (CX MII, CON'T)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
300MHz	66MHz	3.5x	Off	On	On	Off	Off	Off
300MHz	75MHz	3x	Off	Off	On	Off	On	Off
333MHz	100MHz	2.5x	On	On	Off	On	On	Off
333MHz	66MHz	4x	Off	On	On	On	Off	On
333MHz	75MHz	3.5x	Off	Off	On	Off	Off	Off
350MHz	83MHz	3.5x	Off	On	Off	Off	Off	Off
350MHz	100MHz	3x	On	On	Off	Off	On	Off

CPU SPEED SELECTION (IDT C6)				
CPU speed	**Clock speed**	**Multiplier**	**JP6**	**JP7**
200MHz	66MHz	3x	Pins 2 & 3 closed	Pins 2 & 3 closed
225MHz	75MHz	3x	Pins 2 & 3 closed	Pins 2 & 3 closed
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (IDT C6, CON'T)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
200MHz	66MHz	3x	On	On	Off	On	Off	On
225MHz	75MHz	3x	On	On	Off	Off	Off	Off

CPU SPEED SELECTION (AM K5)				
CPU speed	**Clock speed**	**Multiplier**	**JP6**	**JP7**
133MHz	66MHz	2x	Pins 2 & 3 closed	Pins 2 & 3 closed
166MHz	66MHz	2.5x	Pins 2 & 3 closed	Pins 2 & 3 closed
200MHz	66MHz	3x	Pins 2 & 3 closed	Pins 2 & 3 closed
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (AM K5, CON'T)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
133MHz	66MHz	2x	Off	On	On	On	Off	Off
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	66MHz	3x	Off	On	On	Off	On	Off

CPU SPEED SELECTION (AM K6)				
CPU speed	**Clock speed**	**Multiplier**	**JP6**	**JP7**
200MHz	66MHz	3x	Pins 2 & 3 closed	Pins 2 & 3 closed

233MHz	66MHz	3.5x	Pins 2 & 3 closed	Pins 2 & 3 closed
266MHz	66MHz	4x	Pins 2 & 3 closed	Pins 2 & 3 closed
300MHz	66MHz	4.5x	Pins 2 & 3 closed	Pins 2 & 3 closed
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (AM K6, CON'T)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
200MHz	66MHz	3x	Off	On	On	Off	On	Off
233MHz	66MHz	3.5x	Off	On	On	Off	Off	Off
266MHz	66MHz	4x	Off	On	On	On	Off	On
300MHz	66MHz	4.5x	Off	On	On	On	On	On

CPU SPEED SELECTION (AM K6-2)				
CPU speed	**Clock speed**	**Multiplier**	**JP6**	**JP7**
250MHz	100MHz	2.5x	Pins 2 & 3 closed	Pins 1 & 2 closed
266MHz	66MHz	4x	Pins 2 & 3 closed	Pins 2 & 3 closed
300MHz	100MHz	3x	Pins 2 & 3 closed	Pins 1 & 2 closed
333MHz	95MHz	3.5x	Pins 2 & 3 closed	Pins 1 & 2 closed
350MHz	100MHz	3.5x	Pins 2 & 3 closed	Pins 1 & 2 closed
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (AM K6-2, CON'T)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
250MHz	100MHz	2.5x	On	On	Off	On	On	Off
266MHz	66MHz	4x	Off	On	On	On	Off	On
300MHz	100MHz	3x	On	On	Off	Off	On	Off
333MHz	95MHz	3.5x	On	Off	Off	Off	Off	Off

333MHz	95MHz	3.5x	On	Off	Off	Off	Off	Off
350MHz	100MHz	3.5x	On	On	Off	Off	Off	Off

CPU SPEED SELECTION (PENTIUM)				
CPU speed	**Clock speed**	**Multiplier**	**JP6**	**JP7**
133MHz	66MHz	2x	Pins 2 & 3 closed	Pins 2 & 3 closed
166MHz	66MHz	2.5x	Pins 2 & 3 closed	Pins 2 & 3 closed
200MHz	66MHz	3x	Pins 2 & 3 closed	Pins 2 & 3 closed
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (PENTIUM, CON'T)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
133MHz	66MHz	2x	Off	On	On	On	Off	Off
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	66MHz	3x	Off	On	On	Off	On	Off

CPU SPEED SELECTION (PENTIUM MMX)				
CPU speed	**Clock speed**	**Multiplier**	**JP6**	**JP7**
166MHz	66MHz	2.5x	Pins 2 & 3 closed	Pins 2 & 3 closed
200MHz	66MHz	3x	Pins 2 & 3 closed	Pins 2 & 3 closed
233MHz	66MHz	3.5x	Pins 2 & 3 closed	Pins 2 & 3 closed
Note: Pins designated should be in the closed position.				

CPU SPEED SELECTION (PENTIUM MMX, CON'T)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
166MHz	66MHz	2.5x	Off	On	On	On	On	Off
200MHz	66MHz	3x	Off	On	On	Off	On	Off

233MHz	66MHz	3.5x	Off	On	On	Off	Off	Off

CPU VOLTAGE SELECTION			
Voltage	**JP4**	**JP11**	**JP12**
2.2v	Pins 11 & 12 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.8v	Pins 9 & 10 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.9v	Pins 7 & 8 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
3.2v	Pins 5 & 6 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
3.3v	Pins 3 & 4 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
3.5v	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed