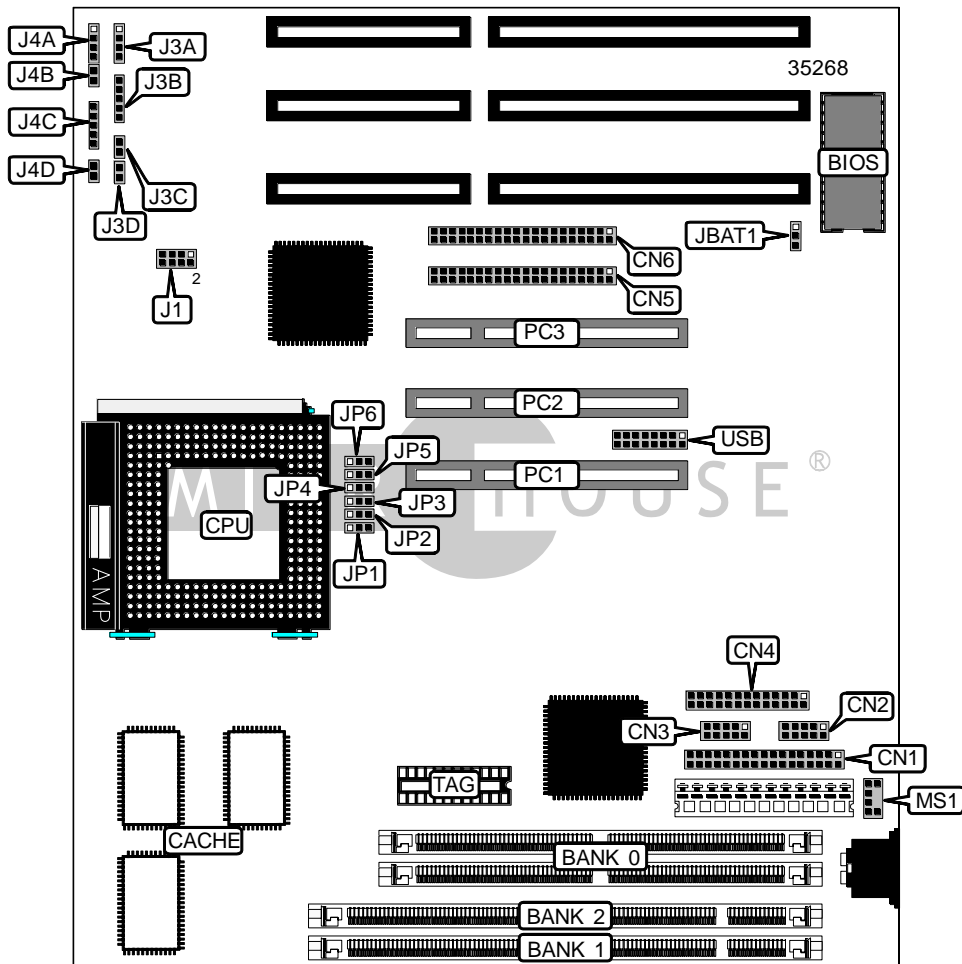


SOLTEK COMPUTER, INC.

SL-53E5

Device Type	Mainboard
Processor	CX 6X86MX/IDT C6/AM K5/AM K6/AM K6-2/Pentium/Pentium MMX
Processor Speed	133/150/166/180/200/233/266/300/333/366MHz
Chip Set	VIA Apollo VPX
Maximum Onboard Memory	384MB DRAM (EDO & SDRAM supported)
Cache	512KB
BIOS	Award
I/O Options	32-bit PCI slots (3), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), USB connector, IR connector, green PC connector
Dimensions	220mm x 190mm



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CONNECTIONS			
Purpose	Location	Purpose	Location
Floppy drive interface	CN1	Green PC connector	J3D
Serial port 2	CN2	Speaker	J4A
Serial port 1	CN3	Reset switch	J4B
Parallel port	CN4	Power LED & keylock	J4C
IDE interface 1	CN5	Turbo LED	J4D
IDE interface 2	CN6	PS/2 mouse port	MS1
IDE interface LED	J3A	32-bit PCI slots	PC1 - PC3
IR connector	J3B	USB connector	USB
Unidentified	J3C		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í CMOS memory normal operation	JBAT1	Pins 1 & 2 closed
CMOS memory clear	JBAT1	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

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DRAM CONFIGURATION (CONT.)			
Size	Bank 0	Bank 1	Bank 2
196MB	(2) 8MB x 36	(1) 8MB x 64	(1) 8MB x 64
196MB	(2) 16MB x 36	(1) 8MB x 64	None
256MB	(2) 16MB x 36	(1) 16MB x 64	None
264MB	(2) 16MB x 36	(1) 16MB x 64	(1) 1MB x 64
272MB	(2) 16MB x 36	(1) 16MB x 64	(1) 2MB x 64
288MB	(2) 16MB x 36	(1) 16MB x 64	(1) 4MB x 64
320MB	(2) 16MB x 36	(1) 16MB x 64	(1) 8MB x 64
384MB	(2) 16MB x 36	(1) 16MB x 64	(1) 16MB x 64

CPU SPEED SELECTION (CX 6X86MX)								
Speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4	JP5	JP6
200MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
233MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3
233MHz	75MHz	2.5x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
300MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
300MHz	75MHz	3x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3

Note: Numbers designate pins that should be in the closed position.

CPU SPEED SELECTION (IDT C6)								
Speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4	JP5	JP6
200MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3
225MHz	66MHz	3.5x	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
266MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
300MHz	66MHz	4x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2

Note: Numbers designate pins that should be in the closed position.

CPU SPEED SELECTION (AM K5)								
Speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4	JP5	JP6
133MHz	66MHz	1.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3

Note: Numbers designate pins that should be in the closed position.

CPU SPEED SELECTION (AM K6)								
Speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4	JP5	JP6
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3
266MHz	66MHz	4x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
300MHz	66MHz	4.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
333MHz	66MHz	5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
366MHz	66MHz	5.5x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3

Note: Numbers designate pins that should be in the closed position.

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CPU SPEED SELECTION (AM K6-2)								
Speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4	JP5	JP6
266MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
300MHz	66MHz	4.5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
333MHz	66MHz	5x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
366MHz	66MHz	5.5x	1 & 2	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3

Note: Numbers designate pins that should be in the closed position.

CPU SPEED SELECTION (PENTIUM)								
Speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4	JP5	JP6
133MHz	66MHz	2x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3

Note: Numbers designate pins that should be in the closed position.

CPU SPEED SELECTION (PENTIUM MMX)								
Speed	Clock speed	Multiplier	JP1	JP2	JP3	JP4	JP5	JP6
166MHz	66MHz	2.5x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3

Note: Numbers designate pins that should be in the closed position.

CPU VOLTAGE SELECTION	
Voltage (core)	J1
2.0v	Open
2.1v	Pins 1 & 2 closed
2.2v	Pins 3 & 4 closed
2.3v	Pins 1 & 2, 3 & 4 closed
2.4v	Pins 5 & 6 closed
2.5v	Pins 1 & 2, 5 & 6 closed
2.6v	Pins 3 & 4, 5 & 6 closed
2.7v	Pins 1 & 2, 3 & 4, 5 & 6 closed
2.8v	Pins 7 & 8 closed
2.9v	Pins 1 & 2, 7 & 8 closed
3.0v	Pins 3 & 4, 7 & 8 closed
3.1v	Pins 1 & 2, 3 & 4, 7 & 8 closed
3.2v	Pins 5 & 6, 7 & 8 closed
3.3v	Pins 1 & 2, 5 & 6, 7 & 8 closed
3.4v	Pins 3 & 4, 5 & 6, 7 & 8 closed
3.5v	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8 closed