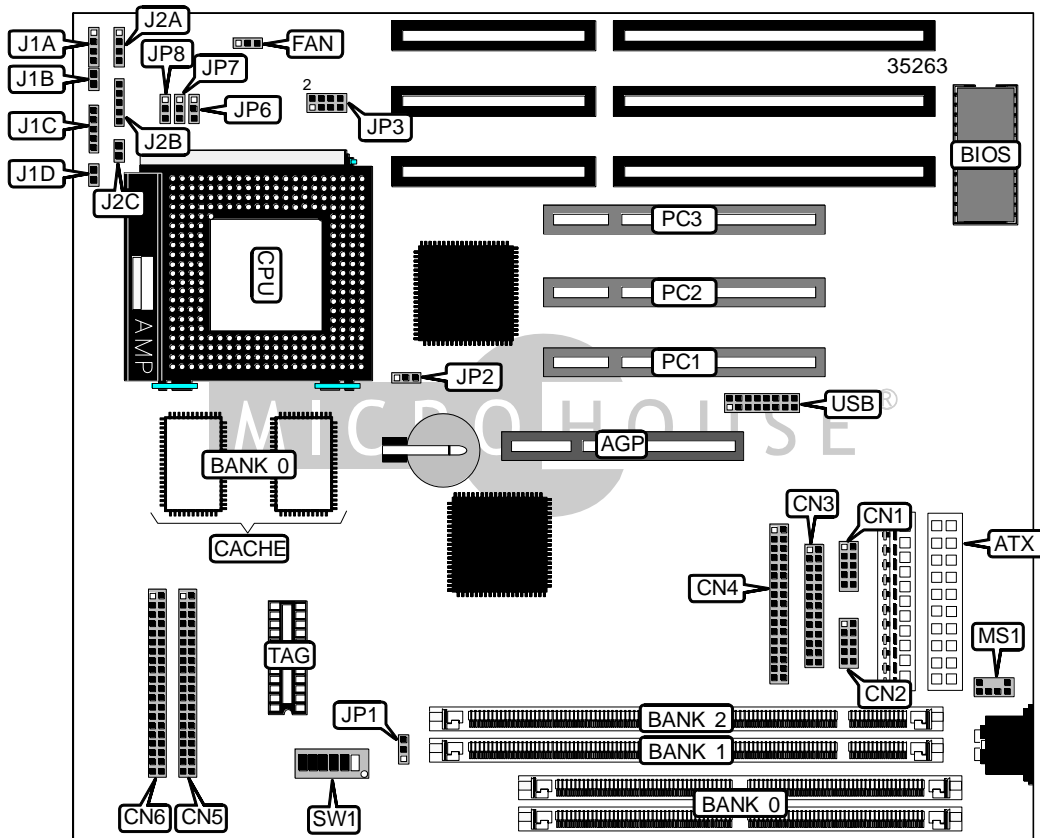


SOLTEK COMPUTER, INC.

SL-54U5, SL-54U1

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 MVP3
Maximum Onboard Memory	1GB (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



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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
í 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

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DRAM CONFIGURATION (CONT.)			
Size	Bank 0	Bank 1	Bank 2
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
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
í 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

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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

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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

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CPU VOLTAGE SELECTION	
Voltage (core)	JP3
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