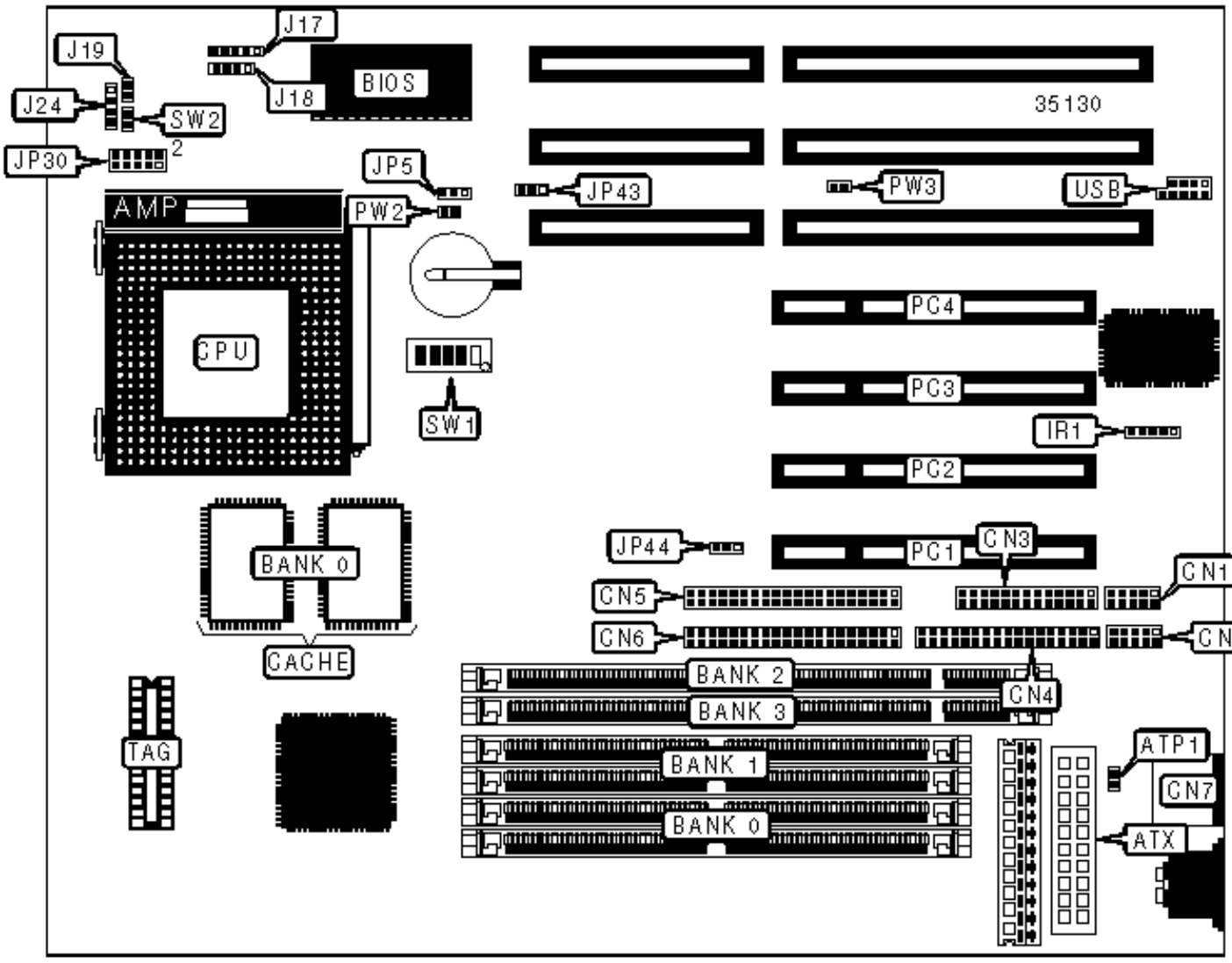
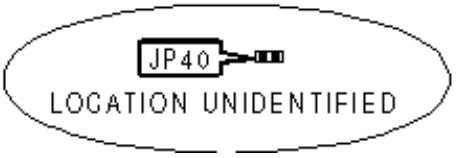
SOYO COMPUTER CO., LTD.

SY-5BT5 (VER. 1.1)

Configuration





CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Power LED & keylock	J17
Serial port	CN1	Speaker	J18
Serial port	CN2	Reset switch	J19
Parallel port	CN3	IDE interface LED	J24
Floppy drive interface	CN4	CPU cooling fan	JP43
IDE interface	CN5	32-bit PCI slots	PC1 – PC4
IDE interface	CN6	Soft off power supply	PW2
PS/2 mouse port	CN7	USB connector	USB
IR connector	IR1		

USER CONFIGURABLE SETTINGS

Function		Label	Position
í	CMOS memory normal operation	JP5	Pins 1 & 2 closed
	CMOS memory clear	JP5	Pins 2 & 3 closed
í	Factory configured - do not alter (CE test jumper)	JP40	Closed
í	Factory configured - do not alter	SW2	Closed

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 2	Bank 3
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	TAG
512KB	(2) 64K x 32	(1) 16K x 8

CPU SPEED SELECTION (CX 6X86/6X 86L)							
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 (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	60MHz	1.5x	Off	Off	On	Off	Off
133MHz	66MHz	1.5x	Off	Off	Off	Off	Off
150MHz	50MHz	2x	On	Off	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
150MHz	50MHz	2x	On	Off	On	Off	Off
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	Off

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

233MHz	66MHz	3.5x	Off	Off	Off	Off	Off

CPU VOLTAGE SELECTION (SINGLE)	
Voltage	JP30
3.3v	Pins 1 & 2, 7 & 8 closed
í 3.52v	Pins 1 & 2, 9 & 10 closed

CPU VOLTAGE SELECTION (DUAL)	
Voltage	JP30
2.8v	Pins 1 & 2, 9 & 10 closed
2.9v	Pins 3 & 4, 9 & 10 closed
3.2v	Pins 5 & 6, 9 & 10 closed

POWER SUPPLY SELECTION			
Setting	ATP1	JP44	PW3
í AT	Closed	Pins 1 & 2 closed	Open
ATX	Open	Pins 2 & 3 closed	Closed