SOYO COMPUTER CO., LTD.

SY-5TCO, SY-5TCUO, SY-5TCU2, SY-5TCU5,

SY-5TCS5, SY-5TCS2, SY-5TCS0

Device Type	Mainboard
Processor	Pentium
Processor Speed	75/90/100/120/125/133/150/166/180MHz
Chip Set	Unidentified
Maximum Onboard Memory	128MB (EDO & DRAM supported)
Cache	256/512KB
BIOS	NCR
Dimensions	305mm x 244mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), cache slot
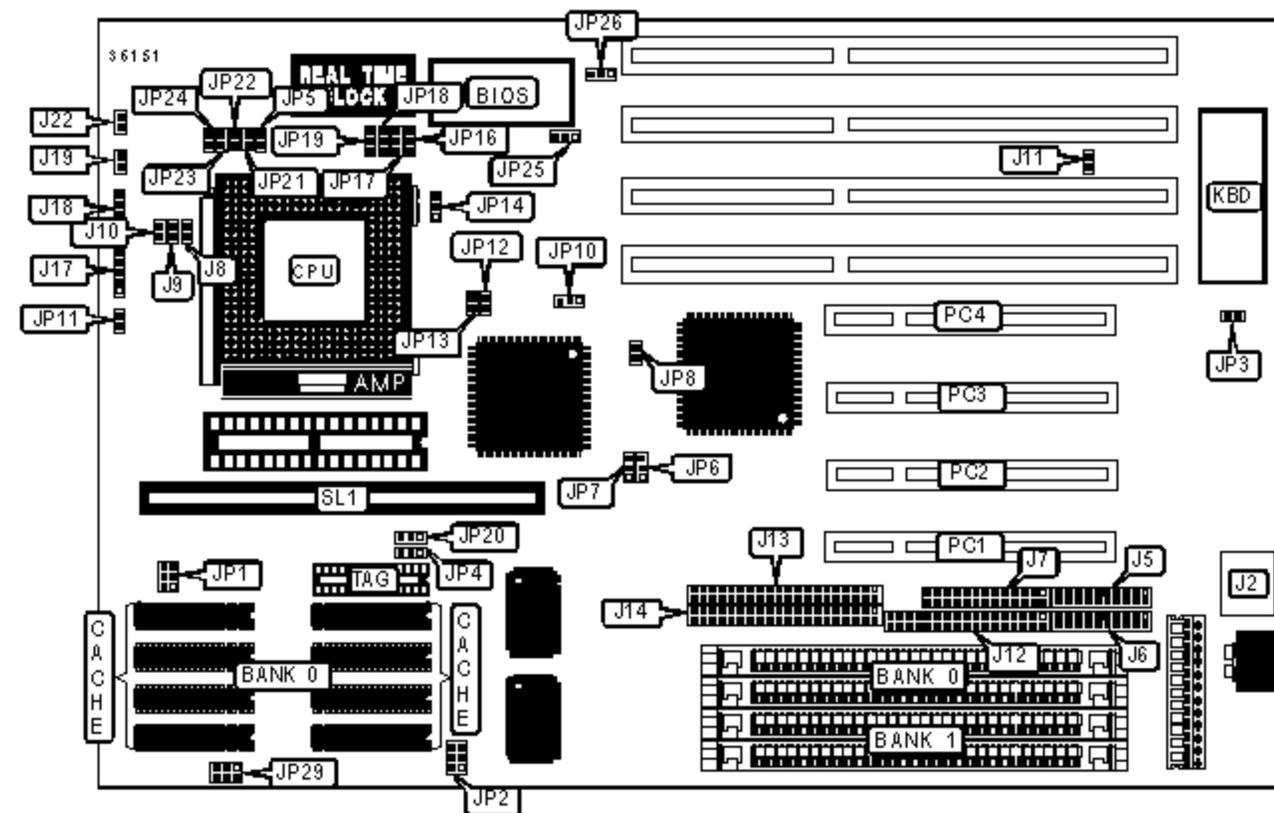
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
PS/2 keyboard port	J1	IDE interface 1	J14
PS/2 mouse port	J2	Power LED & keylock	J17
Cache slot	SL1	Speaker	J18
Serial port 1	J5	Reset switch	J19
Serial port 2	J6	Turbo LED	J22
Parallel port	J7	HDD LED	JP11

Parallel port	J7	HDD LED	JP11
Floppy drive interface	J12	32-bit PCI slots	PC1 - PC4
IDE interface 2	J13		

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
» Factory configured - do not alter	J10	Reserved
» PS/2 mouse disabled	J11	Open
» Factory configured - do not alter	JP2	Reserved
» Monitor type select color	JP3	Closed
» CMOS memory normal operation	JP5	Open
» Factory configured - do not alter	JP6	Pins 1 & 2 closed
» Factory configured - do not alter	JP7	Pins 1 & 2 closed
» Green mode enabled	JP8	Closed
» Factory configured - do not alter	JP14	Pins 1 & 2 closed
» Factory configured - do not alter	JP18	Pins 1 & 2 closed
» Factory configured - do not alter	JP19	Pins 2 & 3 closed
» Address pipelining enabled	JP23	Closed
» Write back cache enabled	JP24	Open
PS/2 mouse enabled	J11	Closed
Monitor type select monochrome	JP3	Open
CMOS memory clear	JP5	Closed
Green mode disabled	JP8	Open
Address pipelining disabled	JP23	Open
Write back cache disabled	JP24	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

CPU VOLTAGE SELECTION		
Voltage	**J8**	**J9**
3.3v	Closed	Open
3.45v - 3.6v	Open	Closed

ASYNC CACHE CONFIGURATION		
Size	**Bank 0**	**TAG**
256KB	(8) 32K x 8	(1) 16K x 8
512KB	(8) 64K x 8	(1) 32K x 8

PIPELINED BURST CACHE CONFIGURATION	
Size	**J3**
256KB	256KB module installed
512KB	512KB module installed

SRAM TYPE SELECTION		
Setting	**JP1**	**JP29**
3.3v	Closed	Open
Mixed	Open	Closed

CACHE CONFIGURATION	
Size	**Bank 0**
256KB	(2) 32K x 32
512KB	(2) 64K x 32

CACHE JUMPER CONFIGURATION				
Size	**JP4**	**JP16**	**JP17**	**JP20**
256KB	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 3 closed
512KB	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed

CPU AT BUS CLOCK SELECTION	
Clock	**JP10**
75MHz/125MHz	Pins 1 & 2 closed
Other	Pins 2 & 3 closed

CPU SPEED SELECTION						
CPU speed	Clock speed	Multiplier	JP12	JP13	JP21	JP22
75MHz	50MHz	1.5x	Open	Open	Open	Open
90MHz	60MHz	1.5x	Closed	Open	Open	Open
100MHz	50MHz	2x	Open	Open	Closed	Open
100MHz	66MHz	1.5x	Closed	Closed	Open	Open
120MHz	60MHz	2x	Closed	Open	Closed	Open
133MHz	66MHz	2x	Closed	Closed	Closed	Open
150MHz	60MHz	2.5x	Closed	Open	Closed	Closed
180MHz	60MHz	3x	Closed	Closed	Open	Closed

CPU TYPE SELECTION		
Type	JP25	JP26
EPROM flash	Pins 2 & 3 closed	Pins 2 & 3 closed
Flash	Pins 2 & 3 closed	Pins 1 & 2 closed