SOYO COMPUTER CO., LTD.

SY-5XBE5

Device Type	Mainboard
Processor	CX 6X86/CX 6X86L/CX 686MX/AM K5/AM K6/Pentium/Pentium MMX
Processor Speed	75/90/100/120/133/150/166/180/200/233MHz
Chip Set	Intel 430TX
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Cache	512KB
BIOS	Unidentified
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector
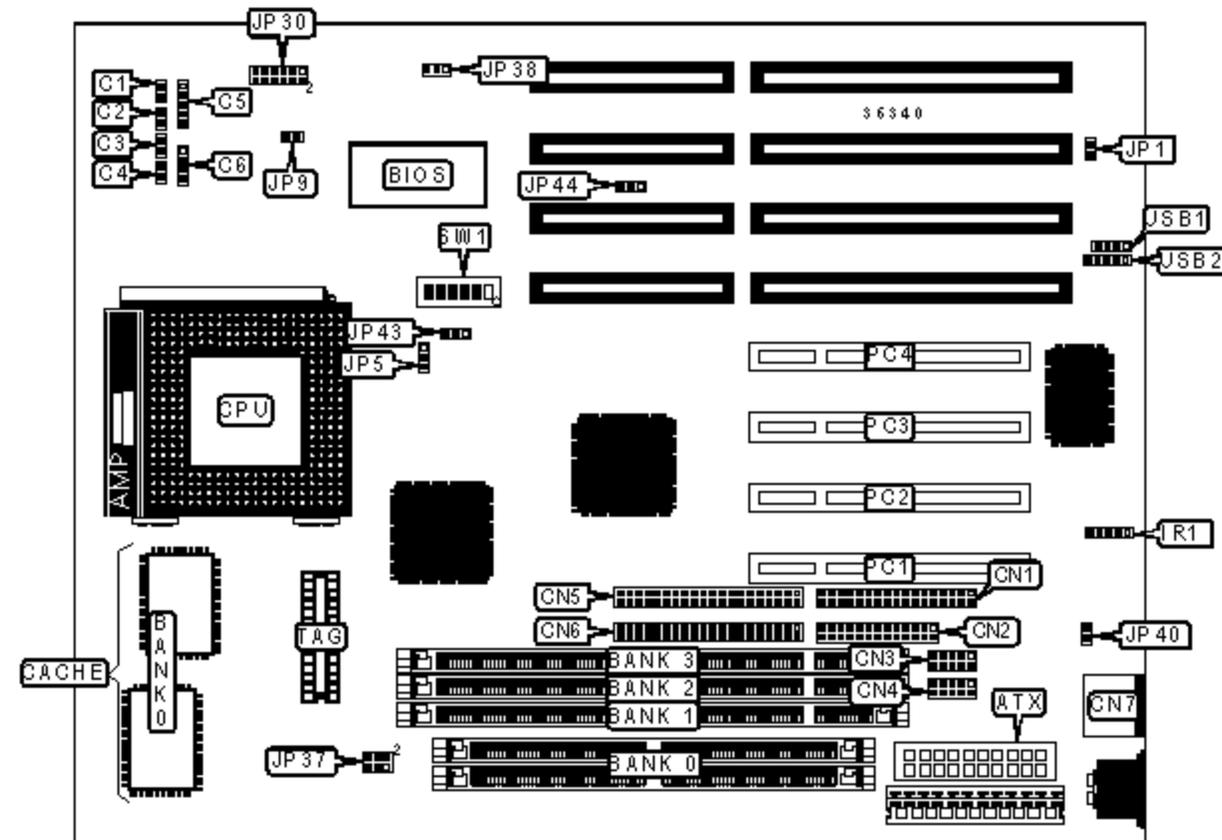
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	Serial port 2	CN3
Reset switch	C1	Serial port 1	CN4
Soft off power supply	C2	IDE interface 2	CN5
Turbo LED	C3	IDE interface 1	CN6
IDE interface LED	C4	PS/2 mouse port	CN7
Power LED & keylock	C5	IR connector	IR1
Speaker	C6	32-bit PCI slots	

			PC1 - PC4
Floppy drive interface	CN1	USB connector 1	USB1
Parallel port	CN2	USB connector 2	USB2

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	Power supply select AT	JP1	Closed
	Power supply select ATX	JP1	Open
»	CMOS memory normal operation	JP5	Pins 1 & 2 closed
	CMOS memory clear	JP5	Pins 2 & 3 closed
»	Factory configured - do not alter	JP40	Closed
»	Factory configured - do not alter	JP43	Unidentified
»	Factory configured - do not alter	JP44	Unidentified

SIMM CONFIGURATION	
Size	**Bank 0**
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36
256MB	(2) 32M x 36
Note: Board accepts EDO memory.	

DIMM CONFIGURATION			
Size	**Bank 1**	**Bank 2**	**Bank 3**
8MB	(1) 1M x 64	None	None

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

DIMM CONFIGURATION (CON'T)			
Size	**Bank 0**	**Bank 1**	**Bank 2**
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
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) 16M x 64	(1) 8M x 64	(1) 8M x 64
Note: Board accepts SDRAM memory.			

DIMM VOLTAGE CONFIGURATION	
Voltage	**JP37**

	3.3v	Pins 3 & 5, 4 & 6 closed
	5v	Pins 1 & 3, 2 & 4 closed

CACHE CONFIGURATION		
Size	Bank 0	TAG
512KB	(2) 64K x 32	(1) 32K x 8

CPU SPEED SELECTION (CX 6X86)								
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
150MHz	60MHz	2x	On	Off	On	Off	Off	Off
166MHz	66MHz	2x	On	Off	Off	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	On	Off	Off

CPU SPEED SELECTION (CX 6X86L)								
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
150MHz	60MHz	2x	On	Off	On	Off	Off	Off
166MHz	66MHz	2x	On	Off	Off	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	On	Off	Off

CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
166MHz	66MHz	2x	On	Off	Off	Off	Off	Off
200MHz	75MHz	2x	On	Off	Off	On	Off	Off
200MHz	66MHz	2.5x	On	On	Off	Off	Off	Off
233MHz	75MHz	2.5x	On	On	Off	On	Off	Off
233MHz	66MHz	3x	Off	On	Off	Off	Off	Off

CPU SPEED SELECTION (AM K5)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
75MHz	50MHz	1.5x	Off	Off	On	On	On	Off
90MHz	60MHz	1.5x	Off	Off	On	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off	Off
120MHz	60MHz	1.5x	Off	Off	On	Off	Off	Off
133MHz	66MHz	1.5x	Off	Off	Off	Off	Off	Off
150MHz	60MHz	2.5x	On	On	On	Off	Off	Off
166MHz	66MHz	2.5x	On	On	Off	Off	Off	Off

CPU SPEED SELECTION (AM K6)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
166MHz	66MHz	2.5x	On	On	Off	Off	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off

CPU SPEED SELECTION (INTEL)								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
75MHz	50MHz	1.5x	Off	Off	On	On	On	Off
90MHz	60MHz	1.5x	Off	Off	On	Off	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off	Off	Off
100MHz	50MHz	2x	On	Off	On	On	On	Off
120MHz	60MHz	2x	On	Off	On	Off	Off	Off
133MHz	66MHz	2x	On	Off	Off	Off	Off	Off
150MHz	60MHz	2.5x	On	On	On	Off	Off	Off
166MHz	66MHz	2.5x	On	On	Off	Off	Off	Off
180MHz	60MHz	3x	Off	On	On	Off	Off	Off

				On	Off	Off	Off	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off	Off

CPU SPEED SELECTION (INTEL MMX)								
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
150MHz	60MHz	2.5x	On	On	On	Off	Off	Off
166MHz	66MHz	2.5x	On	On	Off	Off	Off	Off
200MHz	66MHz	3x	Off	On	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off	Off	Off

CPU TYPE SELECTION	
Type	JP9
Older Intel CPU installed	Open
Newer Intel CPU installed	Closed

CPU VOLTAGE SELECTION (SINGLE)							
Voltage		JP30/ pins1 & 2	JP30/ pins 3 & 4	JP30/ pins 5 & 6	JP30/ pins 7 & 8	JP30/ pins 9 & 10	JP30/ pins 11& 12
»	3.3v	Closed	Open	Open	Open	Open	Open
	3.52v	Closed	Open	Open	Open	Open	Closed

CPU VOLTAGE SELECTION (DUAL)							
Voltage		JP30/ pins1 & 2	JP30/ pins 3 & 4	JP30/ pins 5 & 6	JP30/ pins 7 & 8	JP30/ pins 9 & 10	JP30/ pins 11& 12
	2.1v	Open	Open	Closed	Open	Open	Open
	2.2v	Open	Open	Open	Open	Open	Closed
»	2.8v	Closed	Open	Open	Open	Open	Open

2.9v	Closed	Open	Closed	Open	Open	Open
3.2v	Closed	Open	Open	Closed	Open	Open

FLASH BIOS SELECTION		
Type		**JP38**
»	ATMEL	Pins 2 & 3 closed
»	MXIC	Pins 2 & 3 closed
»	SST	Pins 2 & 3 closed
»	Winbond	Pins 2 & 3 closed
	Intel	Pins 1 & 2 closed