SOYO COMPUTER CO., LTD.
S Y - 5 S M 2 / M 5

Processor	CX M1/Pentium
Processor Speed	75/90/100/120/133/150/166/180/200MHz
Chip Set	SIS
Maximum Onboard Memory	256MB
Cache	256/512KB
BIOS	Award
Dimensions	330mm x 220mm
I/O Options	32-bit PCI slots (3), green PC connector, floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), VGA feature connector, VGA interface, cache slot, audio connector, wave table connector, VRM connector
NPU Options	None

LOCATION UNIDENTIFIED
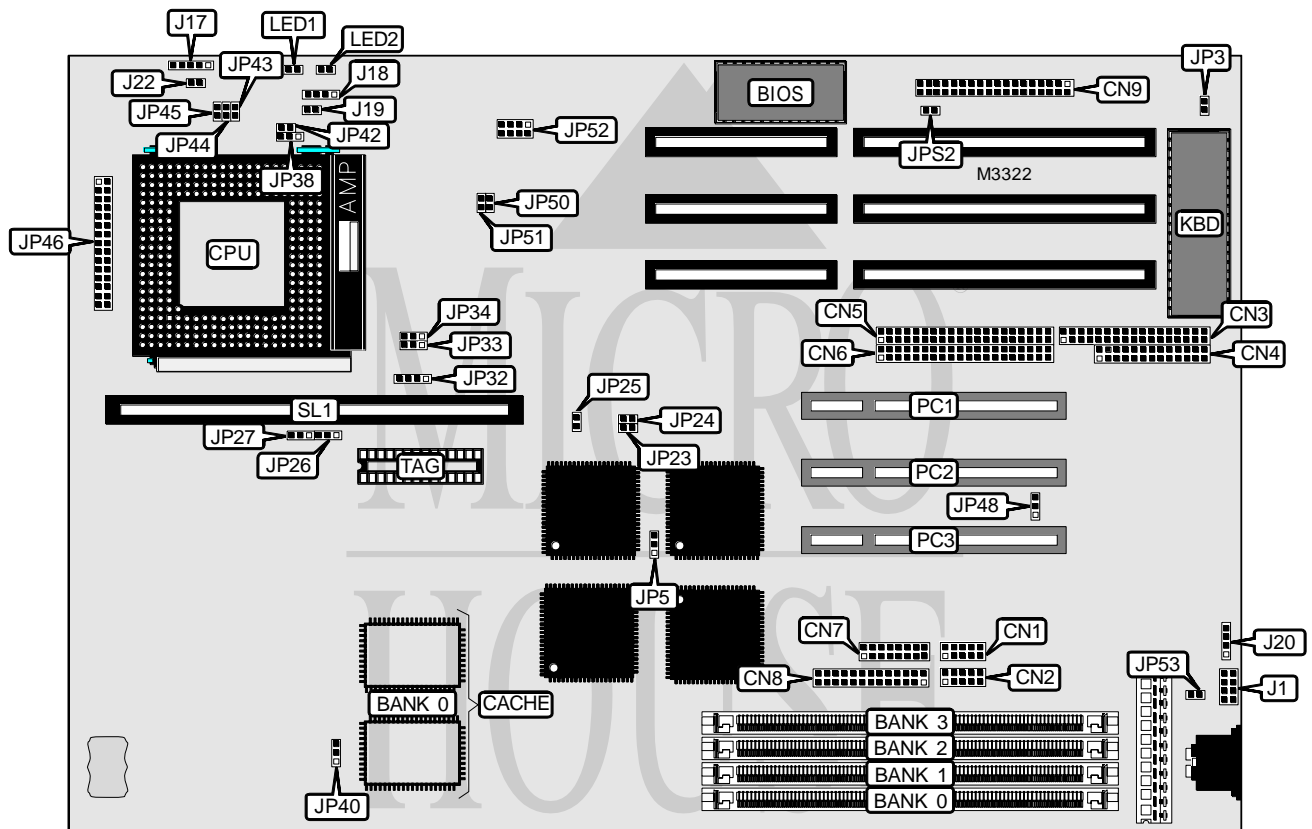
J21   JP31
JP28   JP36
JP29   JP37
JP30   JP47

Continued on next page. . .

SOYO COMPUTER CO., LTD.
S Y - 5 S M 2 / M 5

CONNECTIONS			
Function	**Label**	**Function**	**Label**
Serial port 2	CN1	Speaker	J18
Serial port 1	CN2	Reset switch	J19
Floppy drive interface	CN3	External battery	J20
Parallel port	CN4	Turbo LED	J22
IDE interface 2	CN5	Green PC connector	JP25
IDE interface 1	CN6	VRM connector	JP46
VGA interface	CN7	Wave table connector	JP52
VGA feature connector	CN8	IDE interface LED 1	LED1
Audio connector	CN9	IDE interface LED 2	LED2
PS/2 mouse interface	J1	32-bit PCI slots	PC1 - PC3
Power LED & keylock	J17	Cache slot	SL1
Note: CN7, CN8 and JP46 are optional and may not be present.			

USER CONFIGURABLE SETTINGS		
Setting	**Label**	**Position**
í Factory configured - do not alter	J21	Unidentified
í Monitor type select color	JP3	Closed
Monitor type select monochrome	JP3	Open
í CMOS memory normal operation	JP5	Pins 1 & 2 closed
CMOS memory clear	JP5	Pins 2 & 3 closed
í Factory configured - do not alter	JP28	Unidentified
í Factory configured - do not alter	JP29	Unidentified
í Factory configured - do not alter	JP30	Pins 3 & 5, 4 & 6 closed
í Factory configured - do not alter	JP31	Unidentified
í Factory configured - do not alter	JP32	Pins 2 & 3 closed
í Pipeline mode enabled	JP33	Pins 2 & 3 closed
Pipeline mode disabled	JP33	Pins 1 & 2 closed
í Cache type select write back	JP34	Pins 1 & 2 closed
Cache type select write through	JP34	Pins 2 & 3 closed
í Factory configured - do not alter	JP36	Closed
í Factory configured - do not alter	JP37	Closed
í Factory configured - do not alter	JP47	Unidentified
í Factory configured - do not alter	JP48	Pins 1 & 2 closed
í Factory configured - do not alter	JP50	Closed
í Factory configured - do not alter	JP51	Closed
í Factory configured - do not alter	JP53	Closed
í PS/2 mouse disabled	JPS2	Open
PS/2 mouse enabled	JPS2	Closed

SOYO COMPUTER CO., LTD.
SY-5SM2/M5

DRAM				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
2MB	None	(1) 512K x 32	None	None
2MB	None	None	None	(1) 512K x 32
2MB	(1) 256K x 36	(1) 256K x 36	None	None
4MB	None	(1) 1M x 32	None	None
4MB	None	None	None	(1) 1M x 32
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
4MB	(1) 512K x 36	(1) 512K x 36	None	None
6MB	(1) 512K x 36	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36
6MB	(1) 256K x 36	(1) 256K x 36	(1) 512K x 36	(1) 512K x 36
8MB	None	(1) 2M x 32	None	None
8MB	None	None	None	(1) 2M x 32
8MB	(1) 1M x 36	(1) 1M x 36	None	None
8MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
10MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
10MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
12MB	(1) 1M x 36	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36
12MB	(1) 512K x 36	(1) 512K x 36	(1) 1M x 36	(1) 1M x 36
16MB	None	(1) 4M x 32	None	None
16MB	None	None	None	(1) 4M x 32
16MB	(1) 2M x 36	(1) 2M x 36	None	None
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
18MB	(1) 2M x 36	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36
18MB	(1) 256K x 36	(1) 256K x 36	(1) 2M x 36	(1) 2M x 36
20MB	(1) 2M x 36	(1) 2M x 36	(1) 512K x 36	(1) 512K x 36
20MB	(1) 512K x 36	(1) 512K x 36	(1) 2M x 36	(1) 2M x 36
24MB	(1) 2M x 36	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36
24MB	(1) 1M x 36	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36
32MB	(1) 4M x 36	(1) 4M x 36	None	None
32MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
34MB	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
34MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36
36MB	(1) 4M x 36	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36
36MB	(1) 512K x 36	(1) 512K x 36	(1) 4M x 36	(1) 4M x 36
40MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
48MB	(1) 4M x 36	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36
48MB	(1) 2M x 36	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36
64MB	None	(1) 16M x 32	None	None
64MB	None	None	None	(1) 16M x 32
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
128MB	(1) 16M x 36	(1) 16M x 36	None	None

SOYO COMPUTER CO., LTD.
S Y - 5 S M 2 / M 5

DRAM (CON'T)			
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
130MB	(1) 16M x 36	(1) 16M x 36	(1) 256K x 36	(1) 256K x 36
130MB	(1) 256K x 36	(1) 256K x 36	(1) 16M x 36	(1) 16M x 36
132MB	(1) 16M x 36	(1) 16M x 36	(1) 512K x 36	(1) 512K x 36
132MB	(1) 512K x 36	(1) 512K x 36	(1) 16M x 36	(1) 16M x 36
136MB	(1) 16M x 36	(1) 16M x 36	(1) 1M x 36	(1) 1M x 36
136MB	(1) 1M x 36	(1) 1M x 36	(1) 16M x 36	(1) 16M x 36
144MB	(1) 16M x 36	(1) 16M x 36	(1) 2M x 36	(1) 2M x 36
144MB	(1) 2M x 36	(1) 2M x 36	(1) 16M x 36	(1) 16M x 36
160MB	(1) 16M x 36	(1) 16M x 36	(1) 4M x 36	(1) 4M x 36
160MB	(1) 4M x 36	(1) 4M x 36	(1) 16M x 36	(1) 16M x 36
256MB	(1) 16M x 36	(1) 16M x 36	(1) 16M x 36	(1) 16M x 36

Note: Board accepts EDO memory. Board also accepts X 32 SIMMs. If only Bank 1 or Bank 3 is populated, x 32 SIMMs must be used.

CACHE SIZE			
Size	**Bank 0**	**TAG**	**SL1**
256KB	(2) 32K x 32	(1) 8K/16K x 8	Not installed
512KB	(2) 32K x 32	(1) 16K/32K x 8	Installed

CACHE JUMPER		
Size	**JP26**	**JP27**
256KB	Pins 1 & 2 closed	Pins 1 & 2 closed
512KB	Pins 2 & 3 closed	Pins 1 & 2 closed

CPU BURST MODE TYPE	
Setting	**JP40**
Cyrix (linear burst)	Pins 2 & 3 closed
Intel (interleave burst)	Pins 1 & 2 closed

CPU SPEED (CYRIX)					
Setting	**Multiplier**	**JP23**	**JP24**	**JP38**	**JP42**
120MHz	2x	Closed	Closed	Pins 2 & 3 closed	Open
150MHz	2x	Closed	Open	Pins 2 & 3 closed	Open
166MHz	2x	Open	Closed	Pins 2 & 3 closed	Open
200MHz	3x	Closed	Closed	Pins 1 & 2 closed	Open

SOYO COMPUTER CO., LTD.
S Y - 5 S M 2 / M 5

CPU SPEED (INTEL)					
Setting	**Multiplier**	**JP23**	**JP24**	**JP38**	**JP42**
75MHz	1.5x	Closed	Closed	Pins 1 & 2 closed	Open
90MHz	1.5x	Closed	Open	Pins 1 & 2 closed	Open
100MHz	1.5x	Open	Closed	Pins 1 & 2 closed	Open
100MHz	2x	Closed	Closed	Pins 2 & 3 closed	Open
120MHz	2x	Closed	Open	Pins 2 & 3 closed	Open
133MHz	2x	Open	Closed	Pins 2 & 3 closed	Open
150MHz	2.5x	Closed	Open	Pins 2 & 3 closed	Closed
166MHz	2.5x	Open	Closed	Pins 2 & 3 closed	Closed
180MHz	3x	Closed	Closed	Pins 1 & 2 closed	Closed
200MHz	3x	Open	Closed	Pins 1 & 2 closed	Closed

CPU VOLTAGE			
Setting	**JP43**	**JP44**	**JP45**
3.3v	Closed	Open	Open
3.45v - 3.6v	Open	Closed	Open