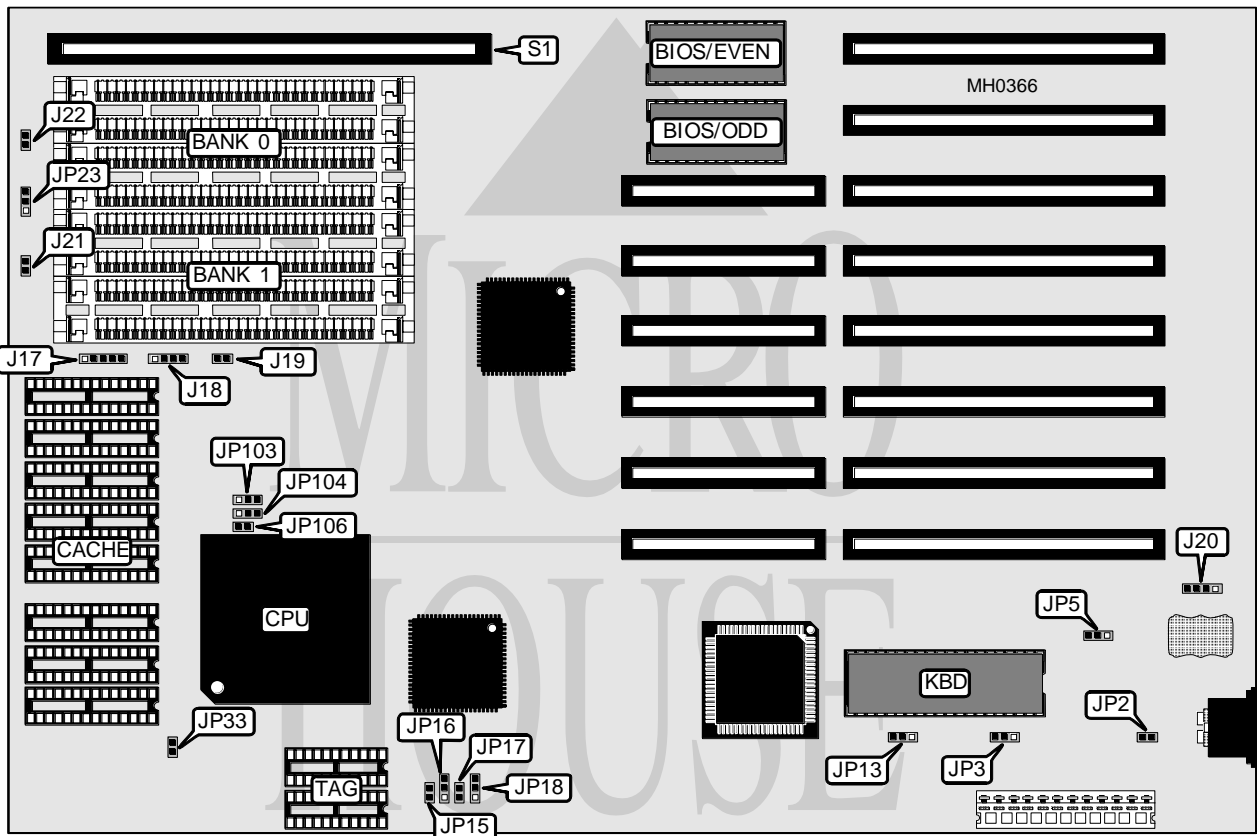


# SOYO COMPUTER CO., LTD.

## SY-020C/D

<b>Processor</b>	80486SX/80486DX
<b>Speed</b>	20/25/33/50MHz
<b>Chip Set</b>	ETEQ
<b>Max. Onboard DRAM</b>	32MB
<b>SRAM Cache</b>	64/256KB
<b>BIOS</b>	AMI
<b>Dimensions</b>	325mm x 220mm
<b>I/O Options</b>	32-bit external memory card slot
<b>NPU Options</b>	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Power LED & keylock	J17	Turbo switch	J21
Speaker	J18	Turbo LED	J22
Reset switch	J19	32-Bit external memory card	S1
External battery	J20		

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USER CONFIGURABLE JUMPERS		
Function	Jumper	Position
í Factory configured - do not alter	JP2	closed
í Monitor type select monochrome	JP3	pins 2 & 3 closed
Monitor type select color	JP3	pins 1 & 2 closed
í CMOS memory normal operation	JP5	pins 1 & 2 closed
CMOS memory clear	JP5	pins 2 & 3 closed

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(4) 256K x 9	NONE	NONE	NONE
2MB	(4) 256K x 9	(4) 256K x 9	NONE	NONE
3MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	NONE
4MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9
4MB	(4) 1M x 9	NONE	NONE	NONE
5MB	(4) 1M x 9	(4) 256K x 9	NONE	NONE
6MB	(4) 256K x 9	(4) 256K x 9	(4) 1M x 9	NONE
7MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	(4) 1M x 9
8MB	(4) 1M x 9	(4) 1M x 9	NONE	NONE
9MB	(4) 1M x 9	(4) 1M x 9	(4) 256K x 9	NONE
10MB	(4) 256K x 9	(4) 256K x 9	(4) 1M x 9	(4) 1M x 9
12MB	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	NONE
13MB	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	(4) 256K x 9
16MB	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9
16MB	(4) 4M x 9	NONE	NONE	NONE
20MB	(4) 1M x 9	(4) 4M x 9	NONE	NONE
24MB	(4) 1M x 9	(4) 1M x 9	(4) 4M x 9	NONE
28MB	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	(4) 4M x 9
32MB	(4) 4M x 9	(4) 4M x 9	NONE	NONE
36MB	(4) 1M x 9	(4) 4M x 9	(4) 4M x 9	NONE
37MB	(4) 256K x 9	(4) 1M x 9	(4) 4M x 9	(4) 4M x 9
40MB	(4) 1M x 9	(4) 1M x 9	(4) 4M x 9	(4) 4M x 9
48MB	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9	NONE
49MB	(4) 256K x 9	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9
52MB	(4) 1M x 9	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9
64MB	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9

Note: Banks 2 & 3 are used when a 32-bit external memory card is installed at S1.

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CACHE CONFIGURATION		
Size	Bank 0	TAG
64KB	(8) 8K x 8	(2) 16K x 4
256KB	(8) 32K x 8	(2) 16K x 4

CACHE JUMPER CONFIGURATION					
Size	JP15	JP16	JP17	JP18	JP33
64KB	Open	Open	2 & 3	2 & 3	Open
256KB	Closed	Closed	1 & 2	1 & 2	Closed

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION			
Type	JP103	JP104	JP106
80486DX	pins 2 & 3 closed	pins 2 & 3 closed	Closed
80486SX	pins 1 & 2 closed	pins 1 & 2 closed	Open

CPU SPEED CONFIGURATION				
CPU Speed	Oscillator U18	Oscillator U22	JP13	JP23
20MHz	40MHz	N/A	pins 1 & 2 closed	pins 1 & 2 closed
25MHz	N/A	50MHz	pins 2 & 3 closed	pins 1 & 2 closed
33MHz	N/A	66MHz	pins 2 & 3 closed	pins 1 & 2 closed
50MHz	N/A	50MHz	pins 2 & 3 closed	pins 2 & 3 closed