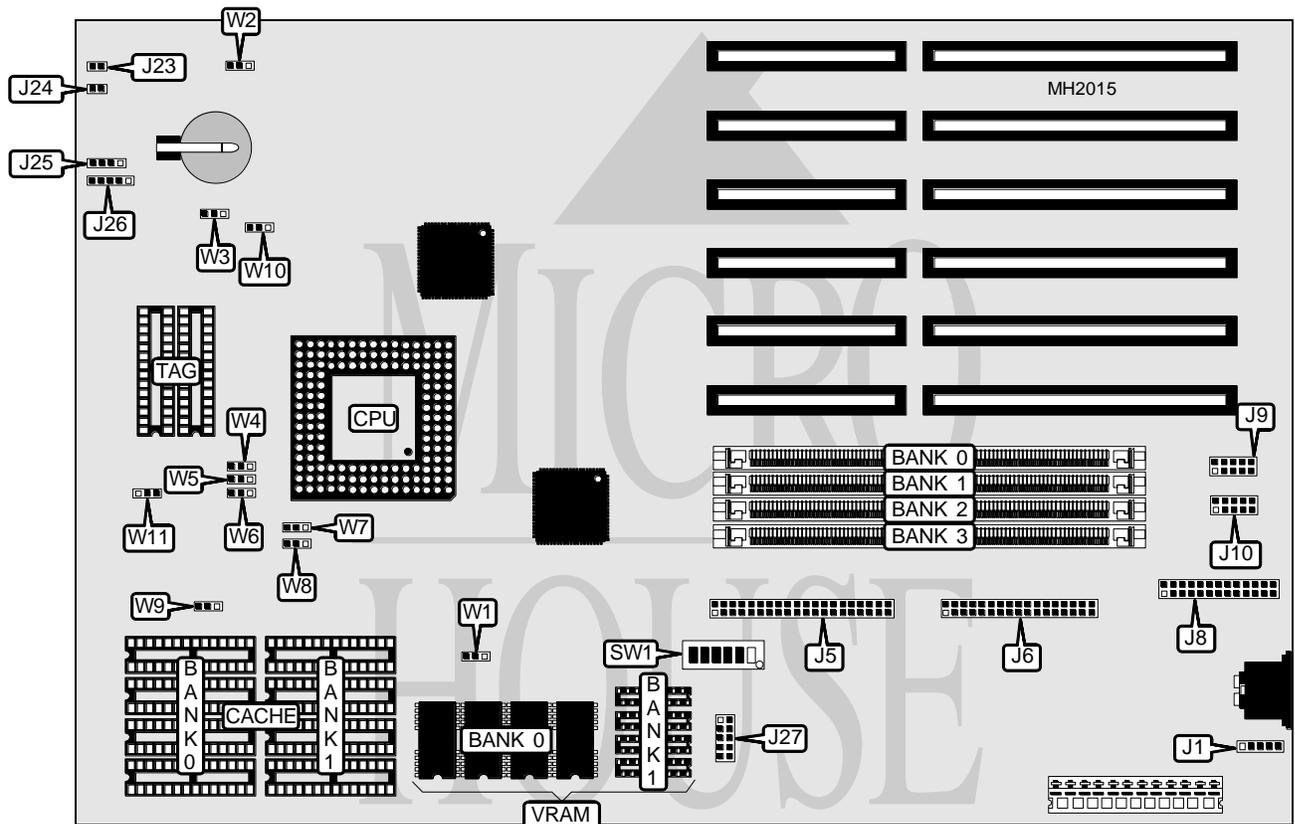


SCI SYSTEMS, INC. SCI 486SX/DX SYSTEM BOARD

Processor	80486SX/80486DX
Processor Speed	25/33MHz
Chip Set	OPTI
Max. Onboard DRAM	64MB
Cache	64/256KB
BIOS	Unidentified
Dimensions	330mm x 218mm
I/O Options	Floppy drive interface, IDE interface, parallel port, PS/2 mouse port, serial ports (2), VGA port
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse port	J1	IDE interface LED	J23
IDE interface	J5	Reset switch	J24
Floppy drive interface	J6	Speaker	J25
Parallel port	J8	Power LED & keylock	J26
Serial port 2	J9	VGA port	J27
Serial port 1	J10		

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SCI 486SX/DX SYSTEM BOARD

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USER CONFIGURABLE SETTINGS		
Function	Jumper/Switch	Position
í Monitor type select color	W1	pins 1 & 2 closed
Monitor type select monochrome	W1	pins 2 & 3 closed
í CMOS memory normal operation	W2	pins 1 & 2 closed
CMOS memory clear	W2	pins 2 & 3 closed
í SYSCLK enabled	W3	pins 2 & 3 closed
SYSCLK/2 enabled	W3	pins 1 & 2 closed
í On board VGA enabled	W10	pins 1 & 2 closed
On board VGA disabled	W10	pins 2 & 3 closed
í Video horizontal scan rate select 31.5 kHz	SW1/5	On
Video horizontal scan rate select 40kHz	SW1/5	Off
í Video memory select 512KB	SW1/6	On
Video memory select 1MB	SW1/6	Off

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	NONE	NONE	NONE
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
4MB	(1) 1M x 36	NONE	NONE	NONE
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
6MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	NONE
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
9MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	NONE
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) 1M x 36	NONE
13MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 4M x 36	NONE	NONE	NONE
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE
20MB	(1) 4M x 36	(1) 1M x 36	NONE	NONE
24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	NONE
24MB	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36	NONE
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	NONE
28MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36
28MB	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
28MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
36MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	NONE
36MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	NONE
36MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	NONE
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
40MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36
40MB	(1) 4M x 36	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36
40MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	NONE
52MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
52MB	(1) 4M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
52MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36
64MB	(1) 4M x 36			

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
64KB	(4) 8K x 8	(4) 8K x 8	(2) 16K x 4
256KB	(4) 32K x 8	(4) 32K x 8	(2) 16K x 4

CACHE JUMPER CONFIGURATION				
Size	W4	W5	W9	W11
64KB	pins 2 & 3 closed			
256KB	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed

CPU TYPE CONFIGURATION			
Type	W6	W7	W8
486SX	pins 2 & 3 closed	pins 2 & 3 closed	N/A
487SX	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
486DX	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed

VIDEO CONFIGURATION (800 x 600)		
Refresh rate	SW1/1	SW1/2
í 60Hz	Off	On
56Hz	Off	Off
56Hz	On	On
72Hz	On	Off

VIDEO CONFIGURATION (1024 x 768)		
Refresh rate	SW1/3	SW1/4
í Interlaced	Off	Off
60Hz	Off	On
70Hz	On	Off
72Hz	On	On

VIDEO MEMORY CONFIGURATION		
Size	Bank 0	Bank 1
512KB	(4) 256K x 4	NONE
1MB	(4) 256K x 4	(4) 256K x 4

Note: Bank 0 is factory installed and is not configurable.