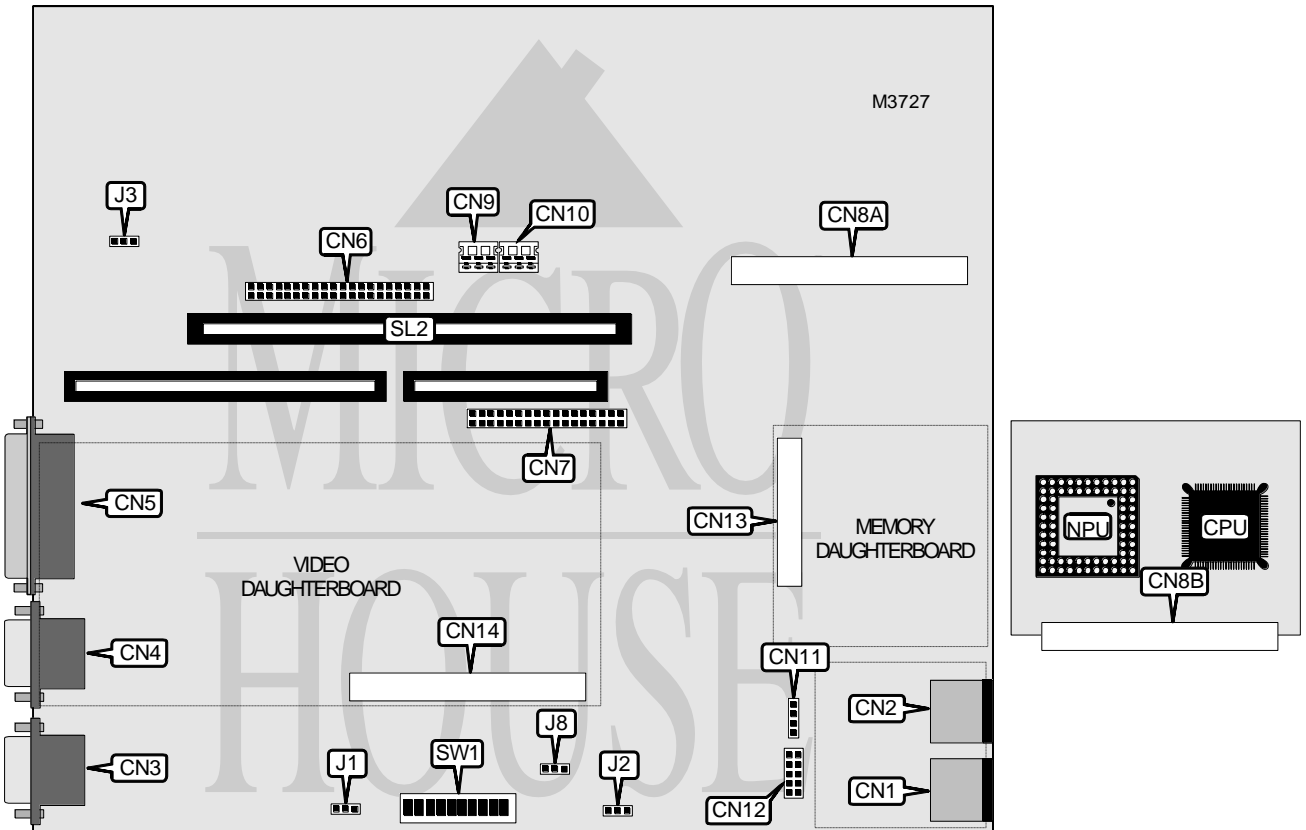


NEC TECHNOLOGIES, INC. POWERMATE SX/20

Processor	80386SX
Processor Speed	20MHz
Video Processor	Unidentified
Chipset	NEC
Maximum Onboard Memory	12MB DRAM (8MB on memory card, 2MB on memory module)
Maximum Video Memory	256KB DRAM (exact location unidentified)
BIOS	NEC
Dimensions	254 x 218mm
I/O Options	32-bit memory card slot (2), CPU card slot, PS/2 mouse port, floppy drive interface, IDE interface, parallel port, serial port, VGA daughterboard header
NPU Options	80387SX
Video Types Supported	VGA
Highest Resolution Supported	800 x 600



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CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse port	CN1	Header to mainboard CN8A	CN8B
Keyboard connector	CN2	DC power out connector	CN9
VGA port	CN3	DC power out connector	CN10
Serial port	CN4	Speaker	CN11
Parallel port	CN5	Front panel connector	CN12
IDE interface	CN6	Memory module header	CN13
Floppy drive interface	CN7	VGA card header	CN14
CPU card header	CN8A	32-bit external memory card	SL2

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Password normal operation	J1	Pins 2 & 3 closed
Password clear	J1	Pins 1 & 2 closed
í IDE interface enabled	J2	Pins 2 & 3 closed
IDE interface disabled	J2	Pins 1 & 2 closed
í Serial port interrupt set to IRQ4	J3	Pins 2 & 3 closed
Serial port interrupt set to IRQ3	J3	Pins 1 & 2 closed
í Monitor type select color	SW1/1	On
Monitor type select monochrome	SW1/1	Off
í Floppy controller address set to 370h	SW1/2	On
Floppy controller address set to 270h	SW1/2	Off
í Floppy drive interface enabled	SW1/3	On
Floppy drive interface disabled	SW1/3	Off
í Serial port address set to 3F8h (COM1:)	SW1/4	On
Serial port address set to 2F8h (COM2:)	SW1/4	Off
í Serial port enabled	SW1/5	On
Serial port disabled	SW1/5	Off
í Parallel port enabled	SW1/6	On
Parallel port disabled	SW1/6	Off
í Keyboard D1 signal intercepted	SW1/7	On
Keyboard D1 signal not intercepted	SW1/7	Off
í Memory from 512KB to 640KB enabled	SW1/9	Off
Memory from 512KB to 640KB disabled	SW1/9	On
í Mouse port enabled	SW1/10	On
Mouse port disabled	SW1/10	Off

ON-BOARD VIDEO CONFIGURATION		
Setting	J8	SW1/8
í Disabled	Pins 1 & 2 closed	Off
Enabled	Pins 2 & 3 closed	On

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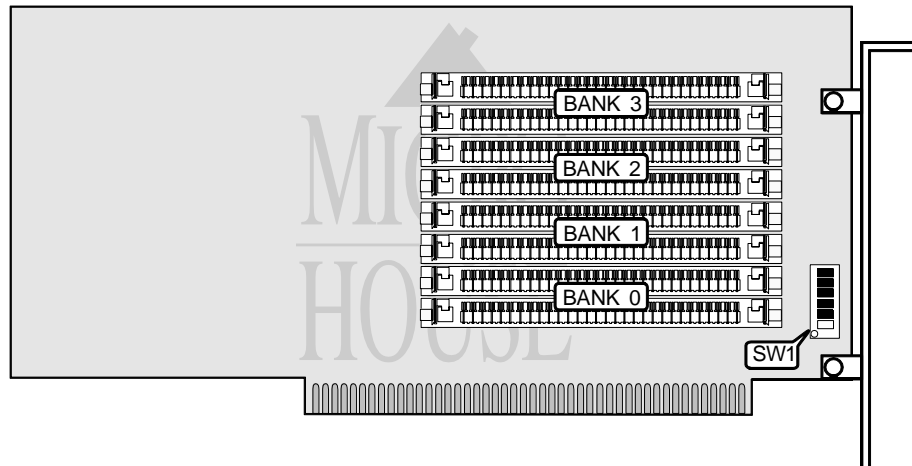
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POWERMATE SX/20

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DRAM CONFIGURATION

There is 2MB of DRAM installed on the mainboard. This memory is not configurable.



USER CONFIGURABLE SETTINGS

Function	Label	Position
Factory configured - do not alter	SW1/5	Off
Factory configured - do not alter	SW1/6	Off

DRAM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
2MB	(2) 1M x 9	None	None	None
4MB	(2) 1M x 9	(2) 1M x 9	None	None
6MB	(2) 1M x 9	(2) 1M x 9	(2) 1M x 9	None
8MB	(2) 1M x 9	(2) 1M x 9	(2) 1M x 9	(2) 1M x 9

DRAM SWITCH CONFIGURATION

Size	SW1/1	SW1/2	SW1/3	SW1/4
2MB	On	Off	Off	Off
4MB	On	On	Off	Off
6MB	On	On	On	Off
8MB	On	On	On	On