NEC TECHNOLOGIES, INC.
POWERMATE EISA SERIES 386/33E

Processor	80386DX
Processor Speed	33MHz
Chip Set	Intel
Max. onboard DRAM	16MB (On system memory card)
Cache	None
BIOS	Phoenix
Dimensions	330.2mm x 218.4mm
I/O Options	Floppy drive interface, keyboard/bus mouse interface
	proprietary serial/parallel card, system memory card slot
NPU Options	80387DX/3167
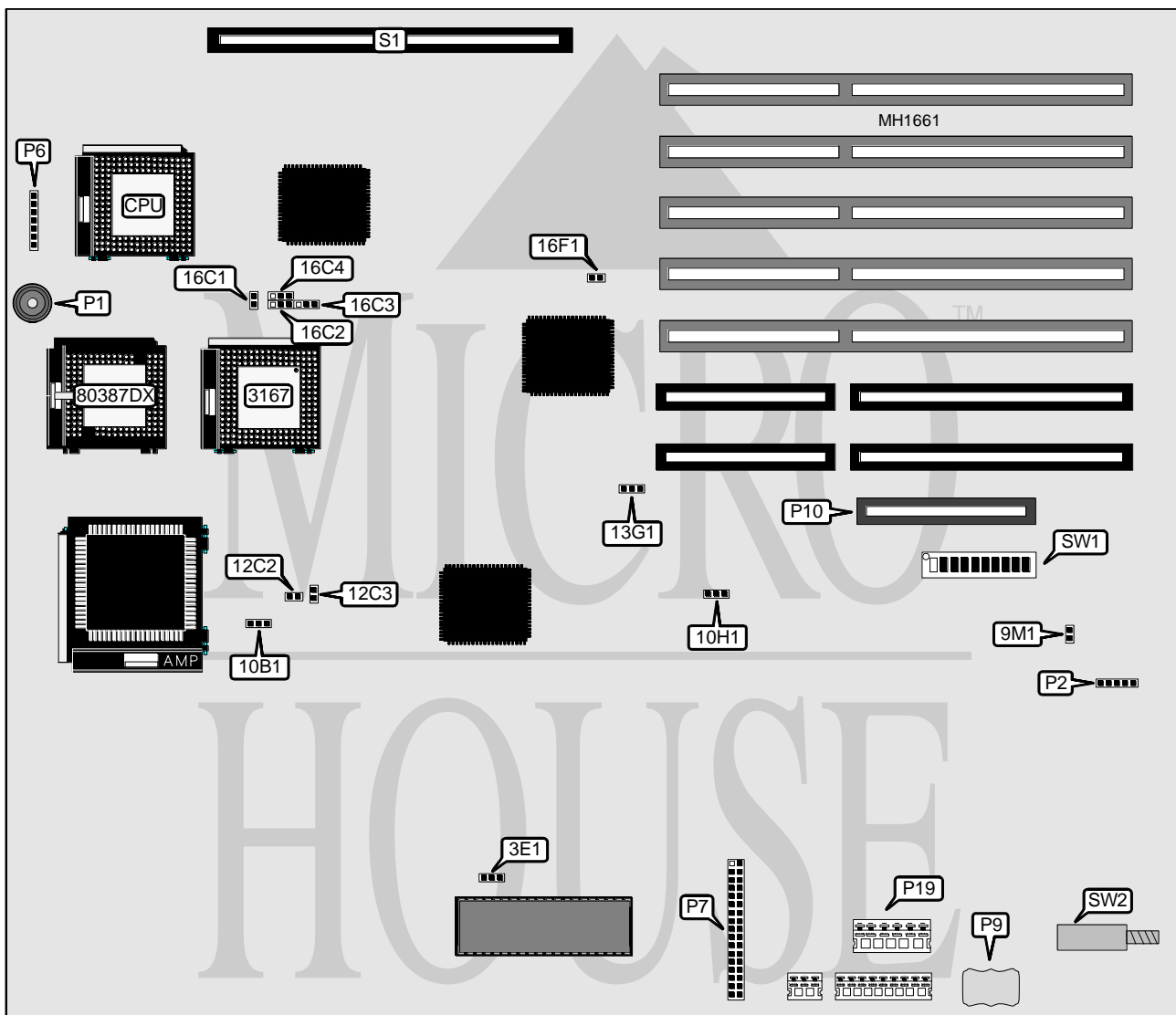
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P O W E R M A T E   E I S A   S E R I E S   3 8 6 / 3 3 E

CONNECTIONS			
Purpose	Location	Purpose	Location
Speaker	P1	Proprietary serial/parallel card	P10
Keyboard/Bus mouse interface	P2	System memory card slot	S1
Power LED & Turbo LED	P6	Test mode switch	SW2
Floppy drive interface	P7		
Note: The test mode switch is set on Off at the factory and should not be altered.			

USER CONFIGURABLE SETTINGS		
Function	Jumper/Switch	Position
í FDD transfer rate 500/250/300 KB per second	3E1	pins 1 & 2 closed
FDD transfer rate 500/250 KB per second	3E1	pins 2 & 3 closed
í Factory configured - do not alter	9M1	Open
í Factory configured - do not alter	10B1	pins 1 & 2 closed
í Password enabled	10H1	pins 1 & 2 closed
Password disabled	10H1	pins 2 & 3 closed
í Factory configured - do not alter	12C2	Closed
í Pipeline mode disabled	12C3	Open
Pipeline mode enabled	12C3	Closed
í RAS0 time-out timer enabled	13G1	pins 1 & 2 closed
RAS0 time-out timer disabled	13G1	pins 2 & 3 closed
í 32-bit data transmit enabled	16C1	Closed
32-bit data transmit disabled	16C1	Open
í Factory configured - do not alter	16C2	pins 2 & 3 closed
í Factory configured - do not alter	16C3	pins 2 & 3 closed
í Factory configured - do not alter	16C4	pins 2 & 3 closed
í Factory configured - do not alter	16F1	Closed
í Parallel port enabled	SW1/switch 1	On
Parallel port disabled	SW1/switch 1	Off
í Floppy drive interface enabled	SW1/switch 4	On
Floppy drive interface disabled	SW1/switch 4	Off
í Floppy drive interface address select secondary	SW1/switch 5	On
Floppy drive interface address select primary	SW1/switch 5	Off
í NPU enabled	SW1/switch 6	On
NPU disabled	SW1/switch 6	Off
í Base memory size select 512KB	SW1/switch 7	On
Base memory size select 640KB	SW1/switch 7	Off
í IRQ12 designated to bus mouse	SW1/switch 8	On
IRQ12 designated to other function	SW1/switch 8	Off
í Monitor type select color	SW1/switch 9	On
Monitor type select monochrome	SW1/switch 9	Off
í Factory configured - do not alter	SW1/switch 10	On
Note: Parallel port is located on the proprietary serial/parallel card.		

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SERIAL PORT CONFIGURATION			
COM1	COM2	SW1/switch 2	SW1/switch 3
COM1	COM2	On	On
COM1	Disabled	On	Off
Disabled	COM2	Off	On
Disabled	Disabled	Off	Off
Note: Serial port is located on the proprietary serial/parallel card.			

DRAM CONFIGURATION								
Size	Bank 0	Bank 1	Bank 2	Bank 3	Bank 4	Bank 5	Bank 6	Bank 7
2MB	2MB	NONE	NONE	NONE	NONE	NONE	NONE	NONE
4MB	2MB	2MB	NONE	NONE	NONE	NONE	NONE	NONE
6MB	2MB	2MB	2MB	NONE	NONE	NONE	NONE	NONE
8MB	2MB	2MB	2MB	2MB	NONE	NONE	NONE	NONE
10MB	2MB	2MB	2MB	2MB	2MB	NONE	NONE	NONE
12MB	2MB	2MB	2MB	2MB	2MB	2MB	NONE	NONE
14MB	2MB	2MB	2MB	2MB	2MB	2MB	2MB	NONE
16MB	2MB	2MB	2MB	2MB	2MB	2MB	2MB	2MB
Note:. Banks are filled with proprietary 2MB memory modules (NEC part# 13-260131-502-A). System memory card is installed at J8.								