NEC TECHNOLOGIES, INC.
POWERMATE 1 (APC-H200E, APC-H201E, APC-H202E, APC-H203E)

Processor	80286
Processor Speed	10MHz
Chip Set	Intel
Max. Onboard DRAM	640MB
SRAM Cache	None
BIOS	Phoenix
Dimensions	330mm x 218mm
I/O Options	Floppy drive interface, parallel port, serial port
NPU Options	80287
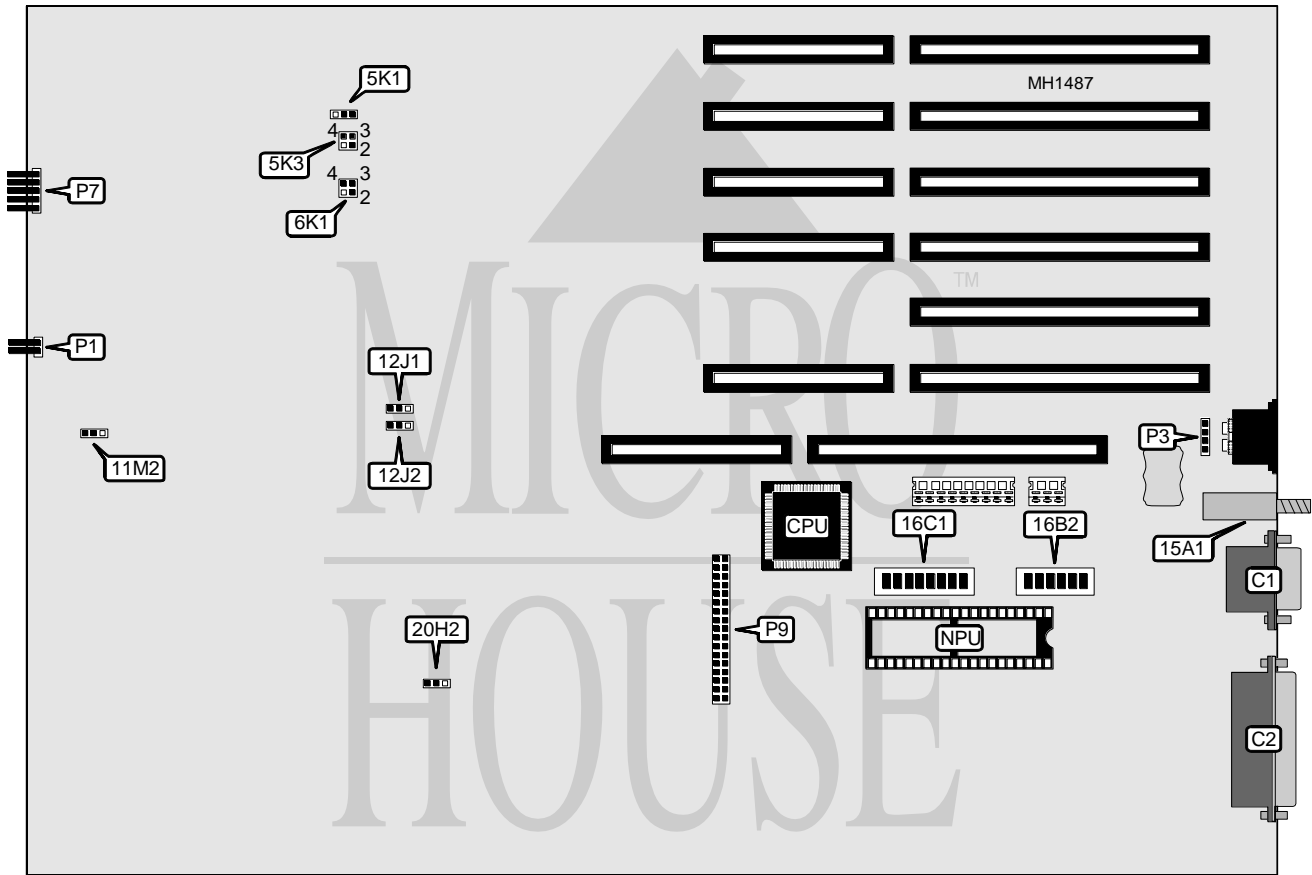
CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port	C1	External battery	P3
Parallel port	C2	Power LED & keylock	P7
Speaker	P1	Floppy drive interface	P9

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USER CONFIGURABLE SETTINGS		
Function	Jumper/Switch	Position
í Factory configured - do not alter	5K1	pins 1 & 2 closed
í RAS/ALE output select normal	11M2	pins 2 & 3 closed
RAS/ALE output select early	11M2	pins 1 & 2 closed
í Not used	16C1/1	Off
í Parallel port enabled	16C1/2	On
Parallel port disabled	16C1/2	Off
í Not used	16C1/5	On
í Floppy interface (P9) enabled	16C1/6	On
Floppy interface (P9) disabled	16C1/6	Off
í Floppy address select primary	16C1/7	Off
Floppy address select secondary	16C1/7	On
í Monitor type select color	16C1/8	On
Monitor type select monochrome	16C1/8	Off
í Factory configured - do not alter	16B2/1	On
í Factory configured - do not alter	16B2/2	Off
í Factory configured - do not alter	16B2/3	On
í Not used	16B2/4	On
í Factory configured - do not alter	16B2/6	On
í Floppy drive ROM select normal	20H2	pins 1 & 2 closed
Floppy drive ROM select special	20H2	pins 2 & 3 closed
Note: Jumper 5K1 is not present on later revisions of the board.		

TEST MODE CONFIGURATION		
Mode	16B2/5	15A1
í Normal operation	On	Out
Test mode enabled	Off	In

SERIAL PORT CONFIGURATION				
Port Assignment	Address	Interrupt	16C1/3	16C1/4
í COM1	3F8-3FFh	IRQ4	On	Off
COM2	2F8-2FFh	IRQ3	Off	On
Disabled	N/A	N/A	Off	Off

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	6K1/pins 1 & 4	6K1/pins 2 & 3
512KB	512K	0K	Open	Closed
640KB	512K	128K	Closed	Open

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MEMORY WAIT STATE CONFIGURATION		
Wait state	5K3/pins 1 & 2	5K3/pins 3 & 4
2 wait states	Closed	Open
1 wait state	Open	Closed
Note: Memory wait states are only applied to external memory card(s). When not in turbo mode the memory wait state is always 1 wait state.		

BIOS CONFIGURATION			
Type	Size	12J1	12J2
EPROM	27256	pins 2 & 3 closed	pins 2 & 3 closed
EPROM	27128	pins 1 & 2 closed	pins 2 & 3 closed
ROM	27256	pins 1 & 2 closed	pins 1 & 2 closed
ROM	27128	pins 1 & 2 closed	pins 1 & 2 closed