NEC TECHNOLOGIES, INC.
POWERMATE EXPRESS 486SX/20E, 486SX/25E

Processor	80486SX
Processor Speed	20/25MHz
Chip Set	Intel
Max. Onboard DRAM	16MB
Cache	None
BIOS	NEC
Dimensions	330.2mm x 218.4mm
I/O Options	Proprietary CPU module slot, keyboard/bus mouse interface,serial ports (2), parallel port, video port, proprietary video card sockets, proprietary external memory card slot, IDE interface, floppy drive interface
NPU Options	80487SX/4167
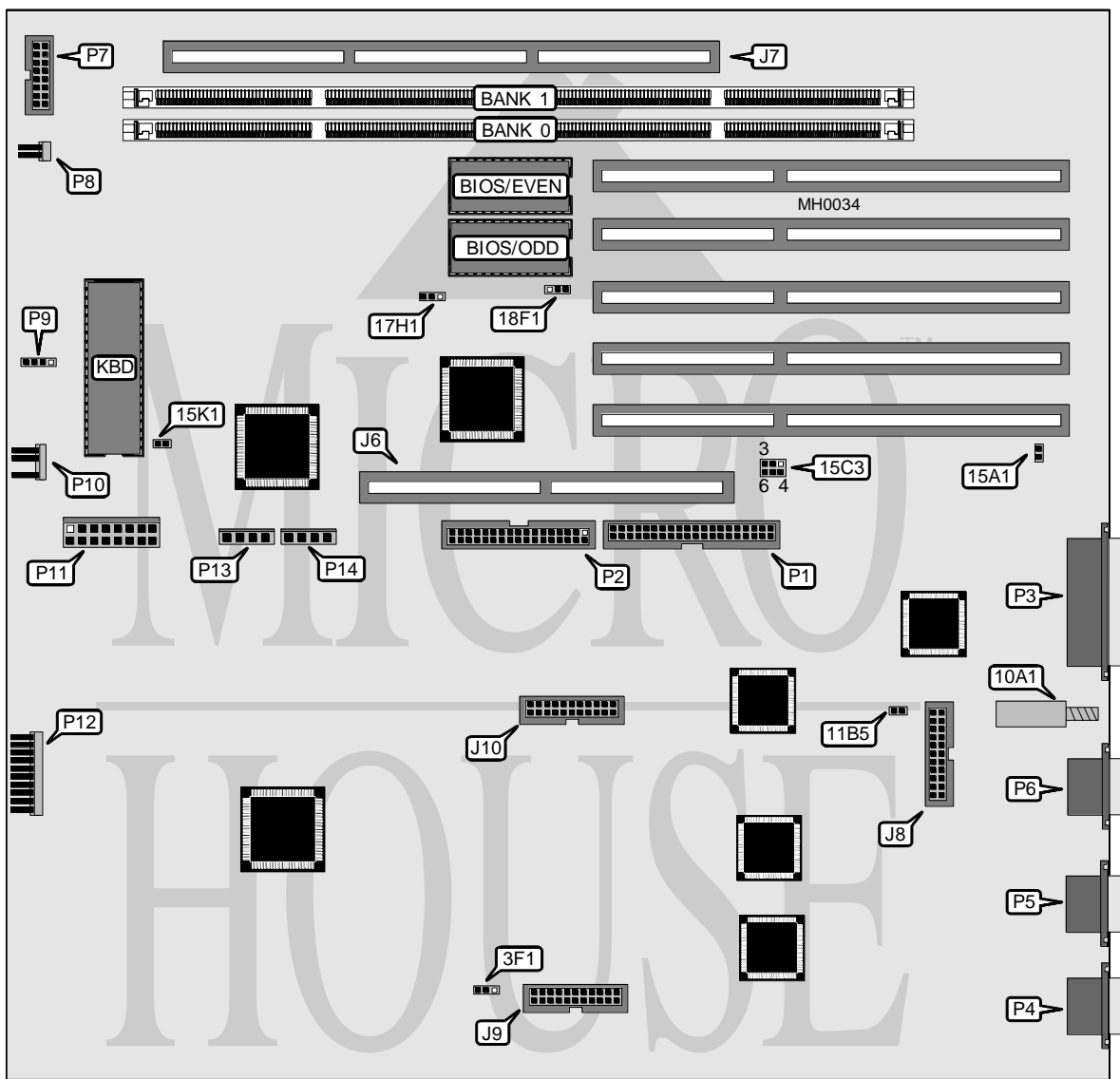
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CONNECTIONS			
Purpose	Location	Purpose	Location
Proprietary CPU module	J6	Video port	P6
Proprietary external memory card	J7	Keyboard/Bus mouse interface	P7
Proprietary video card	J8, J9, & J10	Fan power	P8
IDE interface	P1	IDE interface LED	P9
Floppy drive interface	P2	External battery	P10
Parallel port	P3	Power supply	P11 & P12
Serial port (COM1)	P4	Drive power	P13
Serial port (COM2)	P5	Drive power	P14

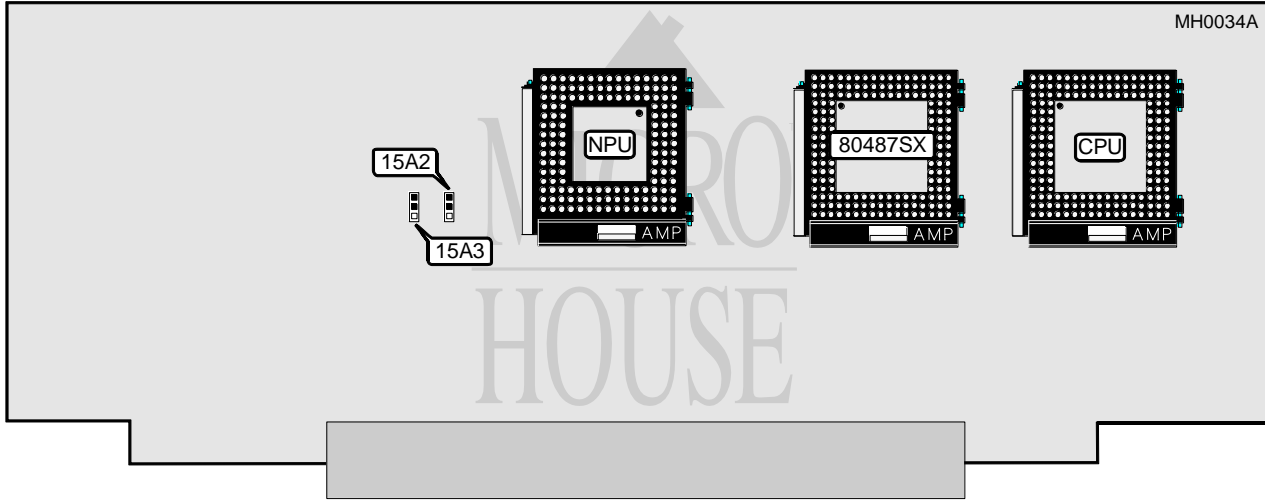| USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Password enabled	3F1	pins 2 & 3 closed
Password disabled	3F1	pins 1 & 2 closed
í Test mode disabled	10A1	Open
Test mode enabled	10A1	Closed
í I/O recovery disabled	11B5	Open
I/O recovery enabled	11B5	Closed
í NEC VGA adapter disabled (U.S. setting)	15A1	Open
NEC VGA adapter enabled	15A1	Closed
í Manufacturing test disabled	15K1	closed
Manufacturing test enabled	15K1	open
í BIOS flash reprogramming disabled	17H1	pins 2 & 3 closed
BIOS flash reprogramming enabled	17H1	pins 1 & 2 closed
í ROM type select 27C256 (28F256)	18F1	pins 1 & 2 closed
ROM type select 27C512 (28F512)	18F1	pins 2 & 3 closed

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
4MB	(2) 256K x 36	(2) 256K x 36
8MB	(2) 1M x 36	NONE
16MB	(2) 1M x 36	(2) 1M x 36

PARALLEL PORT CONFIGURATION	
Setting	15C3
LPT1/IRQ7, LPT2/IRQ5	pins 1 & 2, 5 & 6 closed
LPT1/IRQ5, LPT2/IRQ7	pins 2 & 3, 4 & 5 closed

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MH0034A

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Test mode disabled	15A2 & 15A3	pins 1 & 2 closed
Test mode enabled	15A2 & 15A3	pins 2 & 3 closed