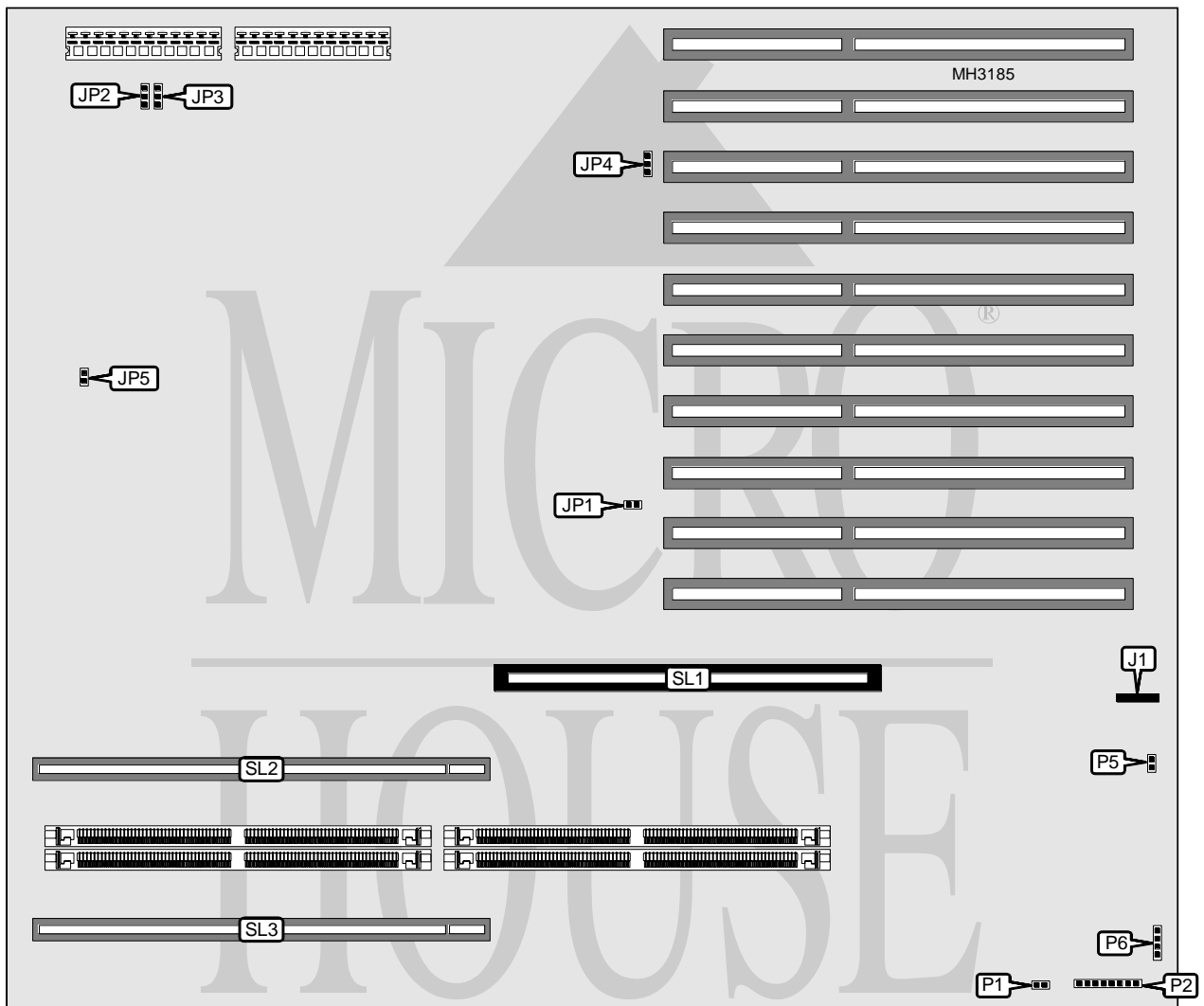


NEC TECHNOLOGIES, INC.

POWERMATE EXPRESS 486SX/25TE, 486/33TE, 486/33TE(ENHANCED), 486/50TE, 486DX2/50TE, POM-2000 (NETT-2000)

Processor	80486SX/80486DX/80486DX2
Processor Speed	25/33/50(internal)/50MHz
Chip Set	Unidentified
Max. Onboard DRAM	256MB (224MB on external memory cards)
Cache	128KB (location unidentified)
BIOS	Unidentified
Dimensions	268mm x 224mm
I/O Options	External memory cards (2), CPU slot
NPU Options	4167



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CONNECTIONS			
Purpose	Location	Purpose	Location
Speaker	P1	Disk drive power interface	P6
LED controller board	P2	CPU slot	SL1
Chassis fan power	P5	External memory slots	SL2-SL3

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Test mode disabled (released position)	J1	Out
Test mode enabled (locked position)	J1	In
í Factory configured - do not alter	JP1	Open
í BIOS type select 28256	JP2	pins 1 & 2 closed
BIOS type select 28512	JP2	pins 2 & 3 closed
í Flash BIOS write enabled	JP3	pins 1 & 2 closed
Flash BIOS write disabled	JP3	pins 2 & 3 closed
í Password enabled	JP4	pins 1 & 2 closed
Password disabled	JP4	pins 2 & 3 closed
í Reset disabled	JP5	Open
Reset enabled	JP5	Closed

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(2) 1M x 36	NONE	NONE	NONE
16MB	(2) 1M x 36	(2) 1M x 36	NONE	NONE
16MB	(2) 1M x 36	(2) 1M x 36	NONE	NONE
18MB	(2) 1M x 36	(2) 1M x 36	(2) 256K x 36	NONE
20MB	(2) 1M x 36	(2) 1M x 36	(2) 256K x 36	(2) 256K x 36
22MB	(2) 1M x 36	(2) 1M x 36	(2) 256K x 36	(2) 256K x 36
24MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	NONE
24MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	NONE
28MB	(2) 1M x 36	(2) 1M x 36	(2) 256K x 36	(2) 256K x 36
32MB	(2) 4M x 36	NONE	NONE	NONE
32MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
32MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
34MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
36MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
38MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
40MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
40MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
48MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
50MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
52MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
64MB	(2) 4M x 36	(2) 4M x 36	NONE	NONE
64MB	(2) 4M x 36	(2) 4M x 36	NONE	NONE
64MB	(2) 4M x 36	(2) 4M x 36	NONE	NONE
72MB	(2) 4M x 36	(2) 4M x 36	(2) 1M x 36	NONE
72MB	(2) 4M x 36	(2) 4M x 36	(2) 1M x 36	NONE
80MB	(2) 4M x 36	(2) 4M x 36	(2) 1M x 36	(2) 1M x 36
80MB	(2) 4M x 36	(2) 4M x 36	(2) 1M x 36	(2) 1M x 36
82MB	(2) 4M x 36	(2) 4M x 36	(2) 1M x 36	(2) 1M x 36
84MB	(2) 4M x 36	(2) 4M x 36	(2) 1M x 36	(2) 1M x 36
86MB	(2) 4M x 36	(2) 4M x 36	(2) 1M x 36	(2) 1M x 36
88MB	(2) 4M x 36	(2) 4M x 36	(2) 1M x 36	(2) 1M x 36
88MB	(2) 4M x 36	(2) 4M x 36	(2) 1M x 36	(2) 1M x 36
96MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	NONE
96MB	(2) 4M x 36	(2) 4M x 36	(2) 1M x 36	(2) 1M x 36
104MB	(2) 4M x 36	(2) 4M x 36	(2) 1M x 36	(2) 1M x 36
112MB	(2) 4M x 36	(2) 4M x 36	(2) 1M x 36	(2) 1M x 36
128MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
160MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
192MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
224MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
256MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36

Note: The orientation of Banks 0 & 1 are unidentified. Banks 2 - 7 are located on external memory cards.

DRAM CONFIGURATION				
Size	Bank 4	Bank 5	Bank 6	Bank 7
8MB	NONE	NONE	NONE	NONE
16MB	NONE	NONE	NONE	NONE
16MB	NONE	NONE	NONE	NONE
18MB	NONE	NONE	NONE	NONE
20MB	NONE	NONE	NONE	NONE
22MB	(2) 256K x 36	NONE	NONE	NONE
24MB	NONE	NONE	NONE	NONE
24MB	NONE	NONE	NONE	NONE
28MB	(2) 256K x 36	(2) 256K x 36	(2) 256K x 36	(2) 256K x 36
32MB	NONE	NONE	NONE	NONE
32MB	NONE	NONE	NONE	NONE
32MB	NONE	NONE	NONE	NONE
34MB	(2) 256K x 36	NONE	NONE	NONE
36MB	(2) 256K x 36	(2) 256K x 36	NONE	NONE

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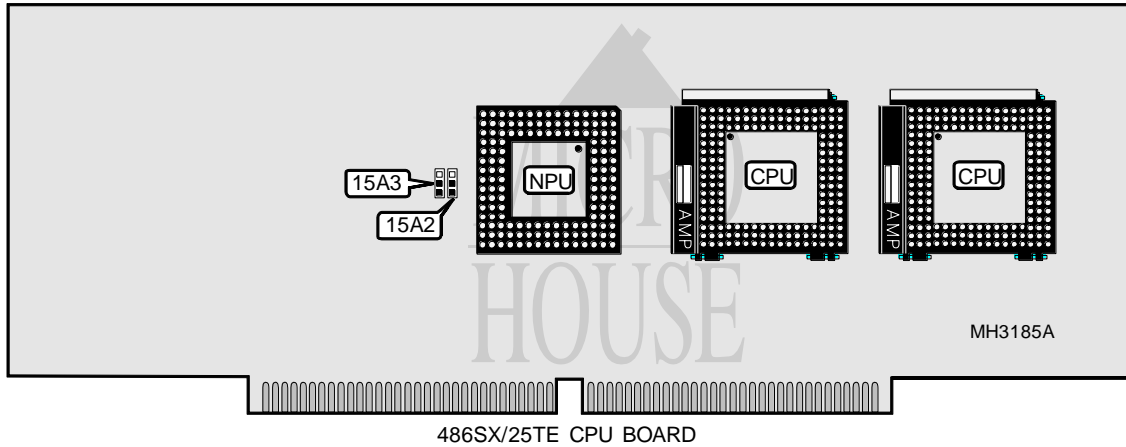
DRAM CONFIGURATION (CON'T)				
Size	Bank 4	Bank 5	Bank 6	Bank 7
38MB	(2) 256K x 36	(2) 256K x 36	(2) 256K x 36	NONE
40MB	(2) 1M x 36	NONE	NONE	NONE
40MB	(2) 256K x 36	(2) 256K x 36	(2) 256K x 36	(2) 256K x 36
48MB	(2) 1M x 36	(2) 1M x 36	NONE	NONE
50MB	(2) 1M x 36	(2) 1M x 36	(2) 256K x 36	NONE
52MB	(2) 1M x 36	(2) 1M x 36	(2) 256K x 36	(2) 256K x 36
64MB	NONE	NONE	NONE	NONE
64MB	NONE	NONE	NONE	NONE
64MB	NONE	NONE	NONE	NONE
72MB	NONE	NONE	NONE	NONE
72MB	NONE	NONE	NONE	NONE
80MB	NONE	NONE	NONE	NONE
80MB	NONE	NONE	NONE	NONE
82MB	(2) 256K x 36	NONE	NONE	NONE
84MB	(2) 256K x 36	(2) 256K x 36	NONE	NONE
86MB	(2) 256K x 36	(2) 256K x 36	(2) 256K x 36	NONE
88MB	(2) 1M x 36	NONE	NONE	NONE
88MB	(2) 256K x 36	(2) 256K x 36	(2) 256K x 36	(2) 256K x 36
96MB	NONE	NONE	NONE	NONE
96MB	(2) 1M x 36	(2) 1M x 36	NONE	NONE
104MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	NONE
112MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
128MB	NONE	NONE	NONE	NONE
160MB	(2) 4M x 36	NONE	NONE	NONE
192MB	(2) 4M x 36	(2) 4M x 36	NONE	NONE
224MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	NONE
256MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36

Note: The orientation of Banks 0 & 1 are unidentified. Banks 2 - 7 are located on external memory cards.

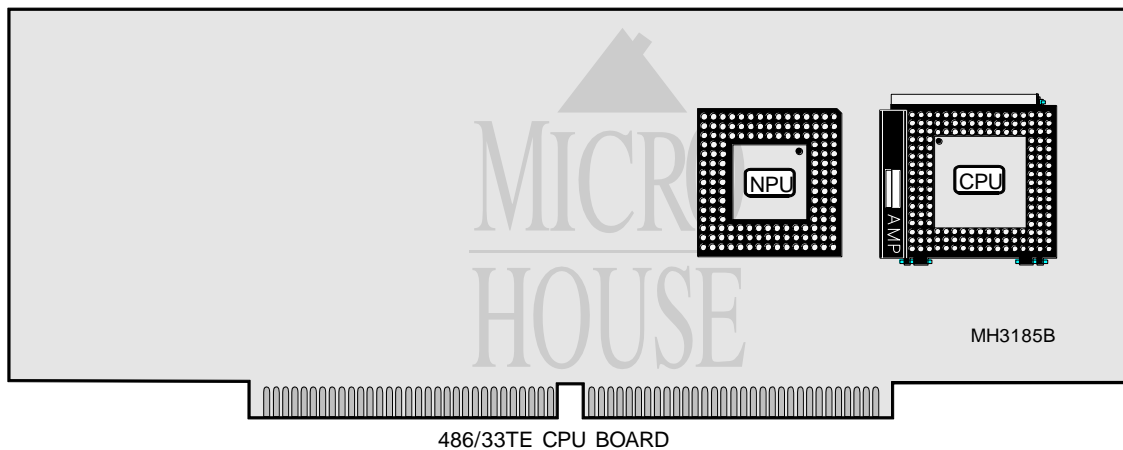
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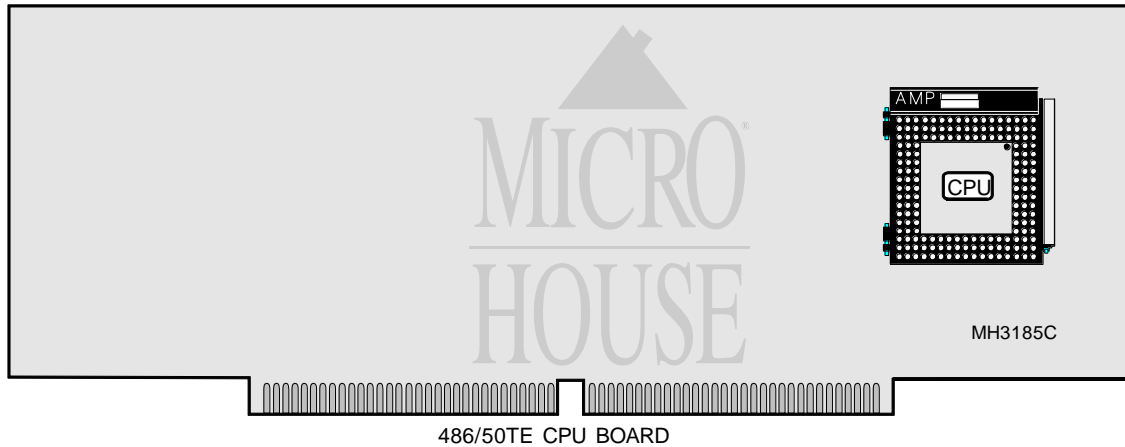
USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Test mode disabled	15A2	pins 1 & 2 closed
Test mode enabled	15A2	pins 2 & 3 closed
í Test mode disabled	15A3	pins 1 & 2 closed
Test mode enabled	15A3	pins 2 & 3 closed



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MISCELLANEOUS TECHNICAL NOTE

Note: The 486/33TE (enhanced) board has the same orientation as the 486/33TE. The 486DX2/50TE board has the same orientation as the 486/50TE.