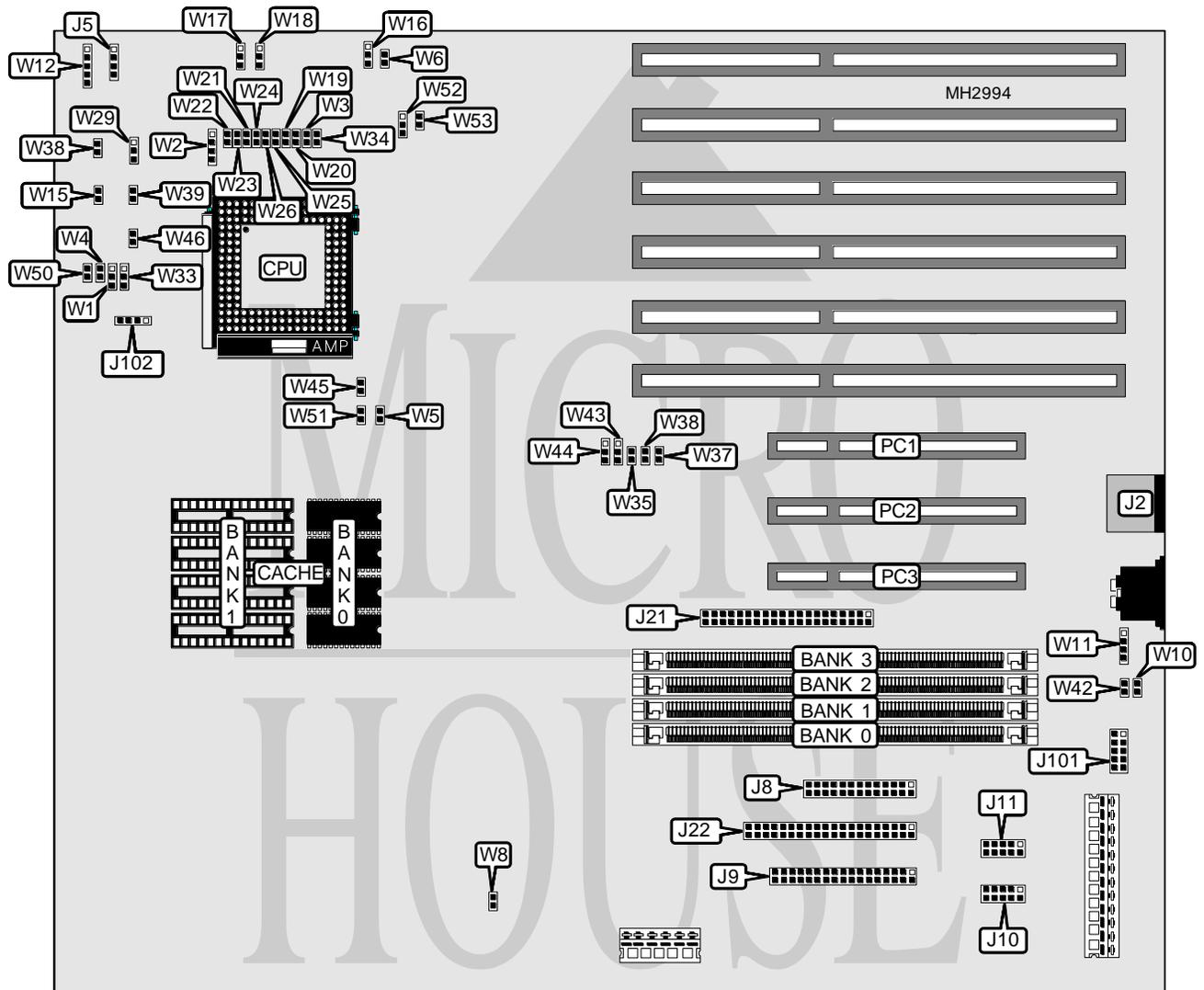


MICRONICS COMPUTERS, INC.

M4PE (VER. 2A)

Processor	80486SX/SL80486SX/80486DX/SL80486DX/80486DX2/SL80486DX2/ 80486DX4/Pentium Overdrive
Processor Speed	25/33/50(internal)/66(internal)/75(internal)/100(internal)MHz
Chip Set	Intel
Max. Onboard DRAM	128MB
Cache	128/256/512KB
BIOS	Phoenix
Dimensions	355mm x 305mm
I/O Options	PS/2 mouse port, parallel port, serial ports (2), 32-bit PCI slots (3), floppy drive interface, IDE interfaces (2)
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse port	J2	External battery	W11
Speaker	J5	Power LED & keylock	W12
Parallel port	J8	Reset switch	W15
Floppy drive interface	J9	Turbo switch	W29
Serial port 2	J10	Turbo LED	W38
Serial port 1	J11	IDE interface LED 1	W39
IDE interface 1	J21	IDE interface LED 2	W46
IDE interface 2	J22	32-bit PCI slots	PC1 - PC3
Chassis fan power	J102		

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í IRQ jumper header disabled	J101	Open
IRQ jumper header enabled	J101	Closed
í Level 2 cache type select write back	W1	pins 2 & 3 closed
Level 2 cache type select write through	W1	pins 1 & 2 closed
í Cache type select write through	W4	Open
Cache type select write back	W4	Closed
í Factory configured - do not alter	W6	pins 2 & 3 closed
í Factory configured - do not alter	W8	Closed
í PS/2 mouse installed	W10	Closed
PS/2 mouse not installed	W10	Open
í DPU generates parity	W17	pins 1 & 2 closed
CPU generates parity	W17	pins 2 & 3 closed
í DPU forces parity error	W18	pins 1 & 2 closed
DPU does not force parity error	W18	pins 2 & 3 closed
í Factory configured - do not alter	W19	Closed
í Cache installed	W21	Open
Cache not installed	W21	Closed
í Level 2 cache wait state 0 wait states	W25	Open
Level 2 cache wait state 1 wait state	W25	Closed
í PCI IDE IRQ14 enabled	W35	Closed
PCI IDE IRQ14 disabled	W35	Open
í PCI IDE INT A disabled	W37	Closed
PCI IDE INT A enabled	W37	Open
í PCI IDE IRQ15 disabled	W38	Closed
PCI IDE IRQ15 enabled	W38	Open
í ISA IDE IRQ select IRQ15	W42	pins 2 & 3 closed
ISA IDE IRQ select IRQ14	W42	pins 1 & 2 closed
í Factory configured - do not alter	W50	Open
í Parity check enabled	W60	Closed
Parity check disabled	W60	Open
Note: The location of W60 is unidentified.		

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DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
16MB	(1) 1M x 36			
16MB	(1) 2M x 36	(1) 2M x 36	NONE	NONE
24MB	(1) 2M x 36	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36
32MB	(1) 2M x 36			
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
40MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
48MB	(1) 4M x 36	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36
64MB	(1) 4M x 36			
64MB	(1) 8M x 36	(1) 8M x 36	NONE	NONE
72MB	(1) 8M x 36	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36
80MB	(1) 8M x 36	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36
128MB	(1) 8M x 36			

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
128KB	(4) 32K x 8	NONE	(1) 8K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
512KB	NONE	(4) 128K x 8	(1) 32K x 8

Note: Bank 0 is factory installed and is not configurable. If 512KB is used, the onboard cache is disabled. The location of the TAG is unidentified.

CACHE JUMPER CONFIGURATION				
Size	W5	W22	W23	W51
128KB	Open	Closed	Open	Open
256KB	Closed	Open	Closed	Open
512KB	Closed	Open	Open	Closed

CACHE TAG CONFIGURATION		
Size	W24	W26
7-bit	Open	Closed
8-bit	Closed	Closed
9-bit	Closed	Open

CPU TYPE CONFIGURATION			
Type	W2	W3	W33
80486SX	pins 2 & 3 closed	Closed	Open
80486DX	pins 1 & 2, 3 & 4 closed	Closed	Open
80486DX2	pins 1 & 2, 3 & 4 closed	Closed	Open
80486DX4	pins 1 & 2, 3 & 4 closed	Closed	Open
80486DX4 (2x)	pins 1 & 2, 3 & 4 closed	Closed	pins 2 & 3 closed
Pentium Overdrive	pins 1 & 2, 3 & 4 closed	Open	Open

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CPU TYPE CONFIGURATION				
Type	W34	W45	W52	W53
Non SL-enhanced	Open	Open	pins 1 & 2 closed	Open
SL-enhanced	Closed	Closed	pins 2 & 3 closed	Closed

CPU SPEED CONFIGURATION		
Speed	W16	W20
25MHz	Open	Closed
33MHz	Closed	Open
50iMHz	Open	Closed
66iMHz	Closed	Open
75iMHz	Open	Closed
100iMHz	Closed	Open

DMA CONFIGURATION		
DMA	W43	W44
í PIO transfer	Open	Open
DMA 6	pins 1 & 2 closed	pins 1 & 2 closed
DMA 7	pins 2 & 3 closed	pins 2 & 3 closed