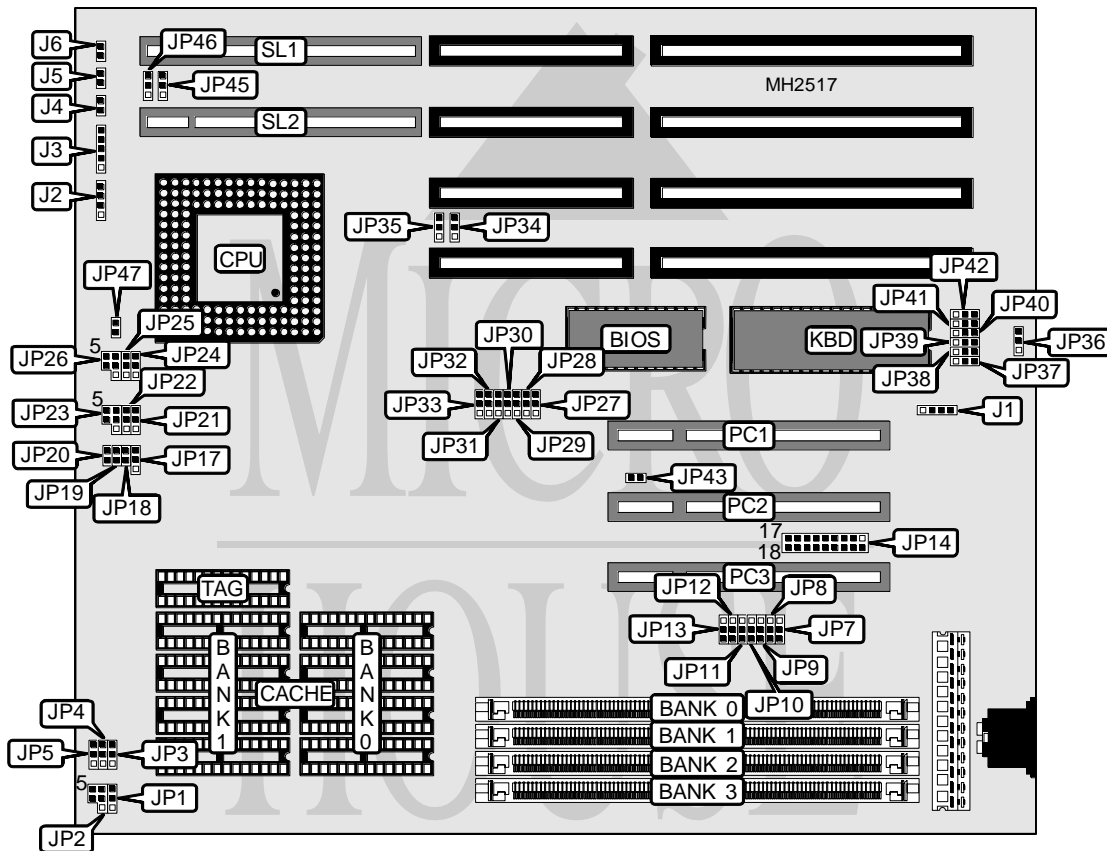


UNIDENTIFIED MB-4D50AG

Processor	CXM6/80486SX/CXM7/80486DX/80486DX2/P4S/P23S/P24S/Pentium Overdrive
Processor Speed	20/25/33/40/50(internal)/50/66(internal)MHz
Chip Set	ALI
Max. Onboard DRAM	128MB
Cache	64/128/256/512KB
BIOS	Unidentified
Dimensions	250mm x 220mm
I/O Options	32-bit VESA local bus slots (2), 32-bit PCI slots (3), green PC connector
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	J1	Green PC connector (monitor)	JP6
Speaker	J2	Green PC connector	JP40
Power LED & keylock	J3	Green PC connector	JP41
Turbo switch	J4	32-bit VESA local bus slots	SL1 & SL2
Turbo LED	J5	32-bit PCI slots	PC1 - PC3
Reset switch	J6		
Note: The location of JP6 is unidentified.			

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
1 Factory configured - do not alter	JP37	N/A
1 CMOS memory normal operation	JP38	pins 1 & 2 closed
CMOS memory clear	JP38	pins 2 & 3 closed
1 Monitor type select color	JP39	pins 2 & 3 closed
Monitor type select monochrome	JP39	pins 1 & 2 closed
1 Factory configured - do not alter	JP42	N/A

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	NONE	NONE	NONE
2MB	(1) 512K x 36	NONE	NONE	NONE
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
3MB	(1) 512K x 36	NONE	(1) 256K x 36	NONE
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	NONE
4MB	(1) 1M x 36	NONE	NONE	NONE
4MB	(1) 512K x 36	NONE	(1) 512K x 36	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
5MB	(1) 1M x 36	(1) 256K x 36	NONE	NONE
6MB	(1) 512K x 36	NONE	(1) 1M x 36	NONE
6MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	NONE
6MB	(1) 256K x 36	(1) 1M x 36	(1) 256K x 36	NONE
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	NONE
7MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36
7MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	(1) 256K x 36
7MB	(1) 256K x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
8MB	(1) 2M x 36	NONE	NONE	NONE
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
9MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	NONE
9MB	(1) 1M x 36	(1) 256K x 36	(1) 1M x 36	NONE
9MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	NONE
10MB	(1) 512K x 36	NONE	(1) 2M x 36	NONE
10MB	(1) 2M x 36	NONE	(1) 512K x 36	NONE
10MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
10MB	(1) 256K x 36	(1) 1M x 36	(1) 256K x 36	(1) 1M x 36
10MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36
12MB	(1) 2M x 36	NONE	(1) 1M x 36	NONE
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	NONE
13MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 4M x 36	NONE	NONE	NONE
16MB	(1) 2M x 36	NONE	(1) 2M x 36	NONE
17MB	(1) 256K x 36	(1) 4M x 36	NONE	NONE

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
17MB	(1) 4M x 36	(1) 256K x 36	NONE	NONE
18MB	(1) 512K x 36	NONE	(1) 4M x 36	NONE
18MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	NONE
18MB	(1) 256K x 36	(1) 4M x 36	(1) 256K x 36	NONE
18MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	NONE
19MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36
19MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	(1) 256K x 36
19MB	(1) 256K x 36	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE
20MB	(1) 4M x 36	(1) 1M x 36	NONE	NONE
20MB	(1) 512K x 36	(1) 512K x 36	(1) 2M x 36	(1) 2M x 36
21MB	(1) 256K x 36	(1) 1M x 36	(1) 4M x 36	NONE
21MB	(1) 256K x 36	(1) 4M x 36	(1) 1M x 36	NONE
21MB	(1) 1M x 36	(1) 256K x 36	(1) 4M x 36	NONE
21MB	(1) 1M x 36	(1) 4M x 36	(1) 256K x 36	NONE
21MB	(1) 4M x 36	(1) 1M x 36	(1) 256K x 36	NONE
22MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	(1) 4M x 36
22MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	(1) 1M x 36
22MB	(1) 256K x 36	(1) 1M x 36	(1) 256K x 36	(1) 4M x 36
22MB	(1) 256K x 36	(1) 1M x 36	(1) 4M x 36	(1) 256K x 36
22MB	(1) 256K x 36	(1) 4M x 36	(1) 256K x 36	(1) 1M x 36
22MB	(1) 256K x 36	(1) 4M x 36	(1) 1M x 36	(1) 256K x 36
24MB	(1) 2M x 36	NONE	(1) 4M x 36	NONE
24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	NONE
24MB	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36	NONE
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	NONE
25MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36
25MB	(1) 256K x 36	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36
25MB	(1) 256K x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
32MB	(1) 8M x 36	NONE	NONE	NONE
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
33MB	(1) 8M x 36	NONE	(1) 256K x 36	NONE
33MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	NONE
33MB	(1) 4M x 36	(1) 256K x 36	(1) 4M x 36	NONE
33MB	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36	NONE
34MB	(1) 512K x 36	NONE	(1) 8M x 36	NONE
34MB	(1) 8M x 36	NONE	(1) 512K x 36	NONE
34MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36
34MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36
36MB	(1) 8M x 36	NONE	(1) 1M x 36	NONE
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	NONE

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DRAM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
36MB	(1) 4M x 36	(1) 1M x 36	(1) 4M x 36	NONE
36MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	NONE
37MB	(1) 256K x 36	(1) 4M x 36	(1) 1M x 36	(1) 4M x 36
37MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36
40MB	(1) 2M x 36	NONE	(1) 8M x 36	NONE
40MB	(1) 8M x 36	NONE	(1) 2M x 36	NONE
48MB	(1) 8M x 36	NONE	(1) 4M x 36	NONE
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	NONE
49MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	NONE	(1) 8M x 36	NONE
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
68MB	(1) 512K x 36	(1) 512K x 36	(1) 8M x 36	(1) 8M x 36
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8
128KB	(4) 32K x 8	NONE	(1) 8K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
512KB	(4) 128K x 8	NONE	(1) 32K x 8

CACHE JUMPER CONFIGURATION					
Size	JP1	JP2	JP3	JP4	JP5
64KB	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
128KB	2 & 3	1 & 2	2 & 3	1 & 2	1 & 2
256KB	2 & 3	4 & 5	2 & 3	2 & 3	1 & 2
512KB	2 & 3	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be closed position.

CPU TYPE CONFIGURATION						
Type	JP15	JP16	JP17	JP18	JP19	JP20
CX M6	Open	Open	1 & 2	Open	Closed	Open
80486SX	Open	Open	1 & 2	Closed	Open	Open
CX M7	Closed	Open	1 & 2	Open	Closed	Closed
AM486DXL	Closed	Open	1 & 2	Closed	Open	Open
80486DX	Closed	Open	1 & 2	Closed	Open	Open
80486DX2	Closed	Open	1 & 2	Closed	Open	Open
P23S	Closed	Closed	1 & 2	Closed	Open	Open
P4S	Closed	Closed	1 & 2	Closed	Open	Open
P24S	Closed	Closed	1 & 2	Closed	Open	Open
P24T	Closed	Open	2 & 3	Closed	Open	Closed

Note: Pins designated should be in the closed position. The location of JP15 & JP16 are unidentified.

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CPU TYPE CONFIGURATION (CON'T)						
Type	JP21	JP22	JP23	JP24	JP25	JP26
CX M6	1 & 2	2 & 3	4 & 5	Open	1 & 2	4 & 5
80486SX	1 & 2	1 & 2	2 & 4	Open	Open	2 & 4
CX M7	2 & 3	2 & 3	4 & 5	Open	1 & 2	4 & 5
AM486DXL	2 & 3	2 & 3	1 & 2	2 & 3	Open	1 & 2
80486DX	2 & 3	1 & 2	2 & 4	2 & 3	Open	2 & 4
80486DX2	2 & 3	1 & 2	2 & 4	2 & 3	Open	2 & 4
P23S	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3
P4S	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3
P24S	1 & 2	2 & 3	2 & 3	Open	2 & 3	2 & 3
P24T	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION (BIOS SETUP)			
Type	JP7	JP8	JP9
CX M6	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
80486SX	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
CX M7	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
AM486DXL	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
80486DX	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
80486DX2	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed

CPU TYPE CONFIGURATION (CHIPSET SETUP)				
Type	JP27	JP29	JP30	JP47
CX M6 (1x)	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	Open
CX M6 (2x)	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	Closed
80486SX	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	N/A
CX M7 (1x)	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed	Open
CX M7 (2x)	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed	Closed
AM486DXL	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	N/A
80486DX	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	N/A
80486DX2	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	N/A

CPU SPEED CONFIGURATION					
Speed	JP10	JP11	JP12	JP13	JP28
20MHz	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
25MHz	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
33MHz	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
40MHz	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3
50iMHz	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
50MHz	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3
66iMHz	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

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CPU SPEED CONFIGURATION (CON'T)

Speed	JP31	JP32	JP33	JP34	JP35
20MHz	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
25MHz	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
33MHz	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
40MHz	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
50iMHz	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
50MHz	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
66iMHz	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

VESA WAIT STATE CONFIGURATION

Wait states	JP46
0 wait states	pins 1 & 2 closed
1 wait state	pins 2 & 3 closed

BUS SPEED CONFIGURATION

CPU speed	JP45
<= 33MHz	pins 1 & 2 closed
> 33MHz	pins 2 & 3 closed

BIOS CONFIGURATION

Type	JP36	JP43
EPROM	pins 1 & 2 closed	Open
Flash ROM	pins 2 & 3 closed	Closed

PCI IRQ CONFIGURATION (INT A)

IRQ	JP14
IRQ5	pins 1 & 2 closed
IRQ9	pins 3 & 4 closed
IRQ10	pins 5 & 6 closed

PCI IRQ CONFIGURATION (INT B)

IRQ	JP14
IRQ11	pins 7 & 8 closed
IRQ12	pins 9 & 10 closed

PCI IRQ CONFIGURATION (INT C)

IRQ	JP14
IRQ14	pins 11 & 12 closed
IRQ15	pins 13 & 14 closed

PCI IRQ CONFIGURATION (INT D)

Interrupt	JP14
INT4J	pins 17 & 18 closed