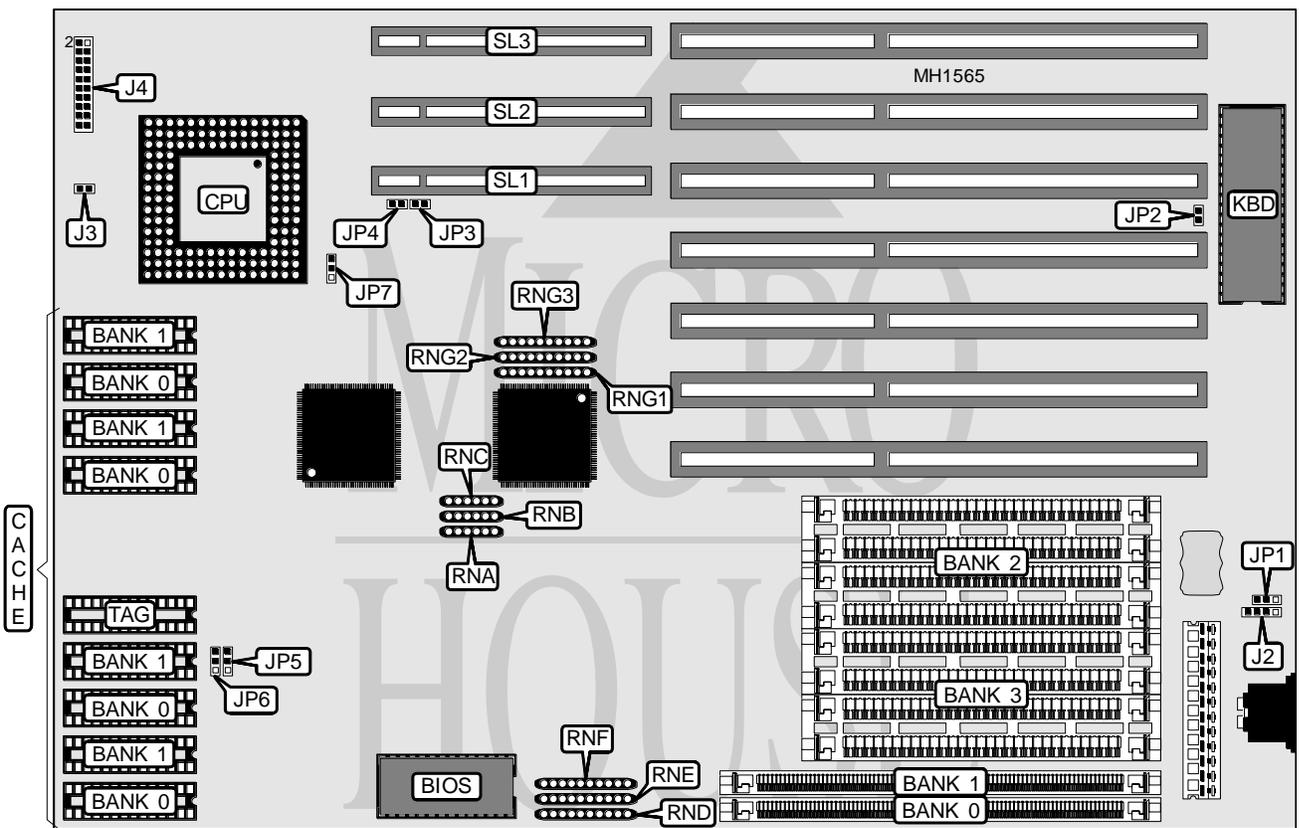


# TMC RESEARCH CORPORATION

## P E T 4 8 P M

<b>Processor</b>	80486SX/80487SX/80486DX/80486DX2/SL Pentium Overdrive/Pentium Overdrive
<b>Processor Speed</b>	25/33/40/50(internal)/66(internal)MHz
<b>Chip Set</b>	OPTI
<b>Max. Onboard DRAM</b>	256MB
<b>Cache</b>	128/256KB
<b>BIOS</b>	Unidentified
<b>Dimensions</b>	330mm x 254mm
<b>I/O Options</b>	32-bit VESA local bus slots (3)
<b>NPU Options</b>	None



CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	J2	Reset switch	J7 pins 9 & 19
Hard drive LED from controller	J3	Hard drive LED to case	J7 pins 10 & 20
Speaker	J7 pins 1 - 4	Power LED & keylock	J7 pins 11 - 15
Turbo switch	J7 pins 7 & 17	32-bit VESA local bus slots	SL1 - SL3
Turbo LED	J7 pins 8 & 18		

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## PET48PM

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
1 CMOS memory normal operation	JP1 pins 1 & 2	Open
CMOS memory clear	JP1 pins 1 & 2	Closed
1 Battery type select internal	JP1 pins 2 & 3	Closed
Battery type select external	JP1 pins 2 & 3	Open
1 Monitor type select color	JP2	Closed
Monitor type select monochrome	JP2	Open
1 ADS delay disabled (CPU ≤33MHz)	JP7	pins 1 & 2 closed
ADS delay enabled (CPU >33MHz)	JP7	pins 2 & 3 closed

DRAM CONFIGURATION 1				
Size	Bank 0	Bank 1	Bank 2	Bank 3
4MB	(1) 1M x 36	NONE	NONE	NONE
8MB	(1) 2M x 36	NONE	NONE	NONE
12MB	(1) 2M x 36	(1) 1M x 36	NONE	NONE
16MB	(1) 2M x 36	(1) 2M x 36	NONE	NONE
16MB	(1) 4M x 36	NONE	NONE	NONE
24MB	(1) 2M x 36	(1) 4M x 36	NONE	NONE
32MB	(1) 8M x 36	NONE	NONE	NONE
36MB	(1) 8M x 36	(1) 1M x 36	NONE	NONE
40MB	(1) 2M x 36	(1) 8M x 36	NONE	NONE
40MB	(1) 8M x 36	(1) 2M x 36	NONE	NONE
48MB	(1) 8M x 36	(1) 4M x 36	NONE	NONE
64MB	(1) 8M x 36	(1) 8M x 36	NONE	NONE
64MB	(1) 16M x 36	NONE	NONE	NONE
72MB	(1) 2M x 36	(1) 16M x 36	NONE	NONE
96MB	(1) 8M x 36	(1) 16M x 36	NONE	NONE
128MB	(1) 32M x 36	NONE	NONE	NONE
132MB	(1) 32M x 36	(1) 1M x 36	NONE	NONE
136MB	(1) 2M x 36	(1) 32M x 36	NONE	NONE
136MB	(1) 32M x 36	(1) 2M x 36	NONE	NONE
144MB	(1) 32M x 36	(1) 4M x 36	NONE	NONE
160MB	(1) 8M x 36	(1) 32M x 36	NONE	NONE
160MB	(1) 32M x 36	(1) 8M x 36	NONE	NONE
192MB	(1) 32M x 36	(1) 16M x 36	NONE	NONE
256MB	(1) 32M x 36	(1) 32M x 36	NONE	NONE

DRAM CONFIGURATION 2				
Size	Bank 0	Bank 1	Bank 2	Bank 3
4MB	(1) 1M x 36	NONE	NONE	NONE
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
12MB	(1) 1M x 36	(1) 1M x 36	(4) 1M x 9	NONE

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# TMC RESEARCH CORPORATION

## PET48PM

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DRAM CONFIGURATION 2 (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
16MB	(1) 1M x 36	(1) 1M x 36	(4) 1M x 9	(4) 1M x 9
16MB	(1) 4M x 36	NONE	NONE	NONE
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE
24MB	(1) 1M x 36	(1) 1M x 36	(4) 4M x 9	NONE
24MB	(1) 1M x 36	(1) 4M x 36	(4) 1M x 9	NONE
28MB	(1) 1M x 36	(1) 1M x 36	(4) 4M x 9	(4) 1M x 9
28MB	(1) 1M x 36	(1) 4M x 36	(4) 1M x 9	(4) 1M x 9
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
36MB	(1) 1M x 36	(1) 4M x 36	(4) 4M x 9	NONE
36MB	(1) 4M x 36	(1) 4M x 36	(4) 1M x 9	NONE
40MB	(1) 1M x 36	(1) 1M x 36	(4) 4M x 9	(4) 4M x 9
40MB	(1) 1M x 36	(1) 4M x 36	(4) 4M x 9	(4) 1M x 9
40MB	(1) 4M x 36	(1) 4M x 36	(4) 1M x 9	(4) 1M x 9
48MB	(1) 4M x 36	(1) 4M x 36	(4) 4M x 9	NONE
52MB	(1) 1M x 36	(1) 4M x 36	(4) 4M x 9	(4) 4M x 9
52MB	(1) 4M x 36	(1) 4M x 36	(4) 4M x 9	(4) 1M x 9
64MB	(1) 4M x 36	(1) 4M x 36	(4) 4M x 9	(4) 4M x 9
64MB	(1) 16M x 36	NONE	NONE	NONE
72MB	(1) 1M x 36	(1) 1M x 36	(4) 16M x 9	NONE
80MB	(1) 4M x 36	(1) 16M x 36	NONE	NONE
84MB	(1) 1M x 36	(1) 4M x 36	(4) 16M x 9	NONE
84MB	(1) 4M x 36	(1) 16M x 36	(4) 1M x 9	NONE
88MB	(1) 1M x 36	(1) 1M x 36	(4) 4M x 9	(4) 16M x 9
88MB	(1) 4M x 36	(1) 16M x 36	(4) 1M x 9	(4) 1M x 9
96MB	(1) 4M x 36	(1) 4M x 36	(4) 16M x 9	NONE
96MB	(1) 4M x 36	(1) 16M x 36	(4) 4M x 9	NONE
100MB	(1) 1M x 36	(1) 4M x 36	(4) 4M x 9	(4) 16M x 9
100MB	(1) 4M x 36	(1) 16M x 36	(4) 4M x 9	(4) 1M x 9
112MB	(1) 4M x 36	(1) 4M x 36	(4) 4M x 9	(4) 16M x 9
112MB	(1) 4M x 36	(1) 16M x 36	(4) 4M x 9	(4) 4M x 9
128MB	(1) 16M x 36	(1) 16M x 36	NONE	NONE
132MB	(1) 16M x 36	(1) 16M x 36	(4) 1M x 9	NONE
136MB	(1) 1M x 36	(1) 1M x 36	(4) 16M x 9	(4) 16M x 9
136MB	(1) 16M x 36	(1) 16M x 36	(4) 1M x 9	(4) 1M x 9
144MB	(1) 4M x 36	(1) 16M x 36	(4) 16M x 9	NONE
144MB	(1) 16M x 36	(1) 16M x 36	(4) 4M x 9	NONE
148MB	(1) 1M x 36	(1) 4M x 36	(4) 16M x 9	(4) 16M x 9
148MB	(1) 16M x 36	(1) 16M x 36	(4) 4M x 9	(4) 1M x 9
160MB	(1) 4M x 36	(1) 4M x 36	(4) 16M x 9	(4) 16M x 9
160MB	(1) 4M x 36	(1) 16M x 36	(4) 4M x 9	(4) 16M x 9
160MB	(1) 16M x 36	(1) 16M x 36	(4) 4M x 9	(4) 4M x 9
192MB	(1) 16M x 36	(1) 16M x 36	(4) 16M x 9	NONE
208MB	(1) 4M x 36	(1) 16M x 36	(4) 16M x 9	(4) 16M x 9
208MB	(1) 16M x 36	(1) 16M x 36	(4) 4M x 9	(4) 16M x 9
256MB	(1) 16M x 36	(1) 16M x 36	(4) 16M x 9	(4) 16M x 9

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# TMC RESEARCH CORPORATION

## PET48PM

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DRAM CONFIGURATION 3				
Size	Bank 0	Bank 1	Bank 2	Bank 3
4MB	NONE	NONE	(4) 1M x 9	NONE
8MB	NONE	NONE	(4) 1M x 9	(4) 1M x 9
12MB	(1) 1M x 36	NONE	(4) 1M x 9	(4) 1M x 9
16MB	(1) 2M x 36	NONE	(4) 1M x 9	(4) 1M x 9
16MB	(1) 1M x 36	(1) 1M x 36	(4) 1M x 9	(4) 1M x 9
16MB	NONE	NONE	(4) 4M x 9	NONE
20MB	NONE	NONE	(4) 1M x 9	(4) 4M x 9
24MB	(1) 4M x 36	NONE	(4) 1M x 9	(4) 1M x 9
24MB	(1) 1M x 36	NONE	(4) 1M x 9	(4) 4M x 9
28MB	(1) 2M x 36	NONE	(4) 1M x 9	(4) 4M x 9
28MB	(1) 4M x 36	(1) 1M x 36	(4) 1M x 9	(4) 1M x 9
28MB	(1) 1M x 36	(1) 1M x 36	(4) 1M x 9	(4) 4M x 9
32MB	NONE	NONE	(4) 4M x 9	(4) 4M x 9
36MB	(1) 4M x 36	NONE	(4) 1M x 9	(4) 4M x 9
36MB	(1) 1M x 36	NONE	(4) 4M x 9	(4) 4M x 9
40MB	(1) 8M x 36	NONE	(4) 1M x 9	(4) 1M x 9
40MB	(1) 2M x 36	NONE	(4) 4M x 9	(4) 4M x 9
40MB	(1) 4M x 36	(1) 4M x 36	(4) 1M x 9	(4) 1M x 9
40MB	(1) 4M x 36	(1) 1M x 36	(4) 1M x 9	(4) 4M x 9
40MB	(1) 1M x 36	(1) 1M x 36	(4) 4M x 9	(4) 4M x 9
48MB	(1) 4M x 36	NONE	(4) 4M x 9	(4) 4M x 9
52MB	(1) 8M x 36	NONE	(4) 1M x 9	(4) 4M x 9
52MB	(1) 4M x 36	(1) 4M x 36	(4) 1M x 9	(4) 4M x 9
52MB	(1) 4M x 36	(1) 1M x 36	(4) 4M x 9	(4) 4M x 9
64MB	(1) 8M x 36	NONE	(4) 4M x 9	(4) 4M x 9
64MB	(1) 4M x 36	(1) 4M x 36	(4) 4M x 9	(4) 4M x 9
64MB	NONE	NONE	(4) 16M x 9	NONE
72MB	(1) 16M x 36	NONE	(4) 1M x 9	(4) 1M x 9
80MB	NONE	NONE	(4) 4M x 9	(4) 16M x 9
84MB	(1) 16M x 36	NONE	(4) 1M x 9	(4) 4M x 9
84MB	(1) 1M x 36	NONE	(4) 4M x 9	(4) 16M x 9
88MB	(1) 2M x 36	NONE	(4) 4M x 9	(4) 16M x 9
88MB	(1) 4M x 36	(1) 16M x 36	(4) 1M x 9	(4) 1M x 9
88MB	(1) 1M x 36	(1) 1M x 36	(4) 4M x 9	(4) 16M x 9
96MB	(1) 16M x 36	NONE	(4) 4M x 9	(4) 4M x 9
96MB	(1) 4M x 36	NONE	(4) 4M x 9	(4) 16M x 9
100MB	(1) 4M x 36	(1) 16M x 36	(4) 1M x 9	(4) 4M x 9
100MB	(1) 4M x 36	(1) 1M x 36	(4) 4M x 9	(4) 16M x 9
112MB	(1) 8M x 36	NONE	(4) 4M x 9	(4) 16M x 9
112MB	(1) 4M x 36	(1) 16M x 36	(4) 4M x 9	(4) 4M x 9
112MB	(1) 4M x 36	(1) 4M x 36	(4) 4M x 9	(4) 16M x 9
128MB	NONE	NONE	(4) 16M x 9	(4) 16M x 9
132MB	(1) 1M x 36	NONE	(4) 16M x 9	(4) 16M x 9

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## PET48PM

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DRAM CONFIGURATION 3 (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
136MB	(1) 2M x 36	NONE	(4) 16M x 9	(4) 16M x 9
136MB	(1) 32M x 36	NONE	(4) 1M x 9	(4) 1M x 9
136MB	(1) 16M x 36	(1) 16M x 36	(4) 1M x 9	(4) 1M x 9
136MB	(1) 1M x 36	(1) 1M x 36	(4) 16M x 9	(4) 16M x 9
144MB	(1) 16M x 36	NONE	(4) 4M x 9	(4) 16M x 9
144MB	(1) 4M x 36	NONE	(4) 16M x 9	(4) 16M x 9
148MB	(1) 32M x 36	NONE	(4) 1M x 9	(4) 4M x 9
148MB	(1) 16M x 36	(1) 16M x 36	(4) 1M x 9	(4) 4M x 9
148MB	(1) 4M x 36	(1) 1M x 36	(4) 16M x 9	(4) 16M x 9
160MB	(1) 8M x 36	NONE	(4) 16M x 9	(4) 16M x 9
160MB	(1) 32M x 36	NONE	(4) 4M x 9	(4) 4M x 9
160MB	(1) 16M x 36	(1) 16M x 36	(4) 4M x 9	(4) 4M x 9
160MB	(1) 4M x 36	(1) 16M x 36	(4) 4M x 9	(4) 16M x 9
160MB	(1) 4M x 36	(1) 4M x 36	(4) 16M x 9	(4) 16M x 9
192MB	(1) 16M x 36	NONE	(4) 16M x 9	(4) 16M x 9
208MB	(1) 32M x 36	NONE	(4) 4M x 9	(4) 16M x 9
208MB	(1) 16M x 36	(1) 16M x 36	(4) 4M x 9	(4) 16M x 9
208MB	(1) 4M x 36	(1) 16M x 36	(4) 16M x 9	(4) 16M x 9
256MB	(1) 32M x 36	NONE	(4) 16M x 9	(4) 16M x 9
256MB	(1) 16M x 36	(1) 16M x 36	(4) 16M x 9	(4) 16M x 9

DRAM RESISTOR CONFIGURATION			
Configuration	RND	RNE	RNF
1	Installed	Not installed	Not installed
2	Not installed	Installed	Not installed
3	Not installed	Not installed	Installed

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
128KB	(4) 32K x 8	NONE	(1) 8K x 8
128KB	(4) 32K x 8	NONE	(1) 16K x 8
128KB	(4) 32K x 8	NONE	(1) 32K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 16K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8

CACHE JUMPER CONFIGURATION		
Size	JP5	JP6
128KB	pins 1 & 2 closed	pins 1 & 2 closed
256KB	pins 2 & 3 closed	pins 2 & 3 closed

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**P E T 4 8 P M**

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CPU TYPE CONFIGURATION			
Setting	RNA	RNB	RNC
80486SX	Not installed	Not installed	Installed
80487SX	Not installed	Installed	Not installed
80486DX	Installed	Not installed	Not installed
80486DX2	Installed	Not installed	Not installed
SL Pentium Overdrive	Not installed	Installed	Not installed
Pentium Overdrive	Not installed	Installed	Not installed

CPU SPEED CONFIGURATION			
Speed	RNG1	RNG2	RNG3
25MHz	Installed	Not installed	Not installed
33MHz	Not installed	Installed	Not installed
40MHz	Not installed	Not installed	Installed
50iMHz	Installed	Not installed	Not installed
66iMHz	Not installed	Installed	Not installed

VESA WAIT STATE CONFIGURATION	
Speed	RNG3
1 VESA wait state select 1 wait states	Closed
VESA wait state select 0 wait state	Open

VESA LOCAL BUS SPEED CONFIGURATION	
Speed	RNG3
1 >33MHz	Closed
≤33MHz	Open