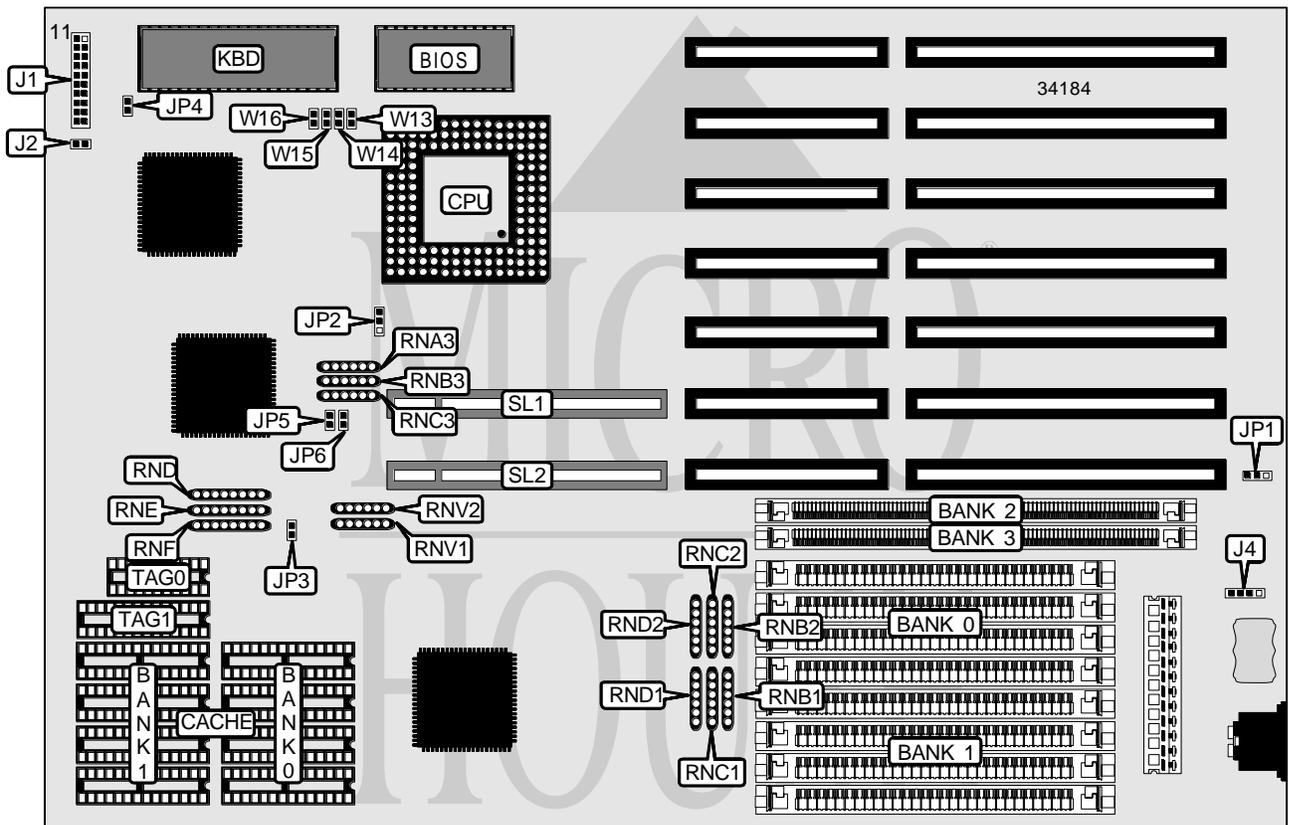


TMC RESEARCH CORPORATION

PAT48PR (VER. 1.3)

Processor	80486SX/OPD486/80487SX/80486DX/80486DX2
Processor Speed	25/33/50(internal)/50/66(internal)MHz
Chip Set	Unidentified
Video Chip Set	None
Maximum Onboard Memory	64MB
Maximum Video Memory	None
Cache	64/128/256KB
BIOS	Unidentified
Dimensions	330mm x 218mm
I/O Options	32-bit VESA local bus slots (2)
NPU Options	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
Speaker	J1 pins 1 – 4	Power LED & keylock	J1 pins 11 - 15
Turbo switch	J1 pins 7 & 17	IDE interface LED	J2
Turbo LED	J1 pins 8 & 18	External battery	J4
Reset switch	J1 pins 9 & 19	32-bit VESA local bus slots	SL1 & SL2
IDE interface LED	J1 pins 10 & 20		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
Battery type select internal	JP1	Pins 2 & 3 closed
Battery type select external	JP1	Open
CMOS memory clear	JP1	Pins 1 & 2 closed
Monitor type select color	JP4	Closed
Monitor type select monochrome	JP4	Open

DRAM CONFIGURATION 1				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(4) 256K x 9	None	None	None
2MB	(4) 256K x 9	(4) 256K x 9	None	None
4MB	(4) 1M x 9	None	None	None
5MB	(4) 256K x 9	(4) 1M x 9	None	None
6MB	(4) 256K x 9	(4) 256K x 9	(1) 1M x 36	None
8MB	(4) 1M x 9	(4) 1M x 9	None	None
9MB	(4) 256K x 9	(4) 1M x 9	(1) 1M x 36	None
10MB	(4) 256K x 9	(4) 256K x 9	(1) 1M x 36	(1) 1M x 36
12MB	(4) 1M x 9	(4) 1M x 9	(1) 1M x 36	None
13MB	(4) 256K x 9	(4) 1M x 9	(1) 1M x 36	(1) 1M x 36
16MB	(4) 1M x 9	(4) 1M x 9	(1) 1M x 36	(1) 1M x 36
16MB	(4) 4M x 9	None	None	None
20MB	(4) 1M x 9	(4) 4M x 9	None	None
20MB	(4) 4M x 9	(4) 1M x 9	None	None
24MB	(4) 1M x 9	(4) 4M x 9	(1) 1M x 36	None
24MB	(4) 4M x 9	(4) 1M x 9	(1) 1M x 36	None
28MB	(4) 1M x 9	(4) 4M x 9	(1) 1M x 36	(1) 1M x 36
28MB	(4) 4M x 9	(4) 1M x 9	(1) 1M x 36	(1) 1M x 36
32MB	(4) 4M x 9	(4) 4M x 9	None	None
36MB	(4) 4M x 9	(4) 4M x 9	(1) 1M x 36	None
40MB	(4) 4M x 9	(4) 4M x 9	(1) 1M x 36	(1) 1M x 36
48MB	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9	None
52MB	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9	(1) 1M x 36
52MB	(4) 4M x 9	(4) 1M x 9	(4) 4M x 9	(1) 4M x 36
64MB	(4) 4M x 9	(4) 4M x 9	(4) 4M x 9	(1) 4M x 36

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DRAM CONFIGURATION 2				
Size	Bank 0	Bank 1	Bank 2	Bank 3
4MB	None	None	(1) 1M x 36	None
8MB	None	None	(1) 1M x 36	(1) 1M x 36
12MB	(4) 1M x 9	None	(1) 1M x 36	(1) 1M x 36
16MB	(4) 1M x 9	(4) 1M x 9	(1) 1M x 36	(1) 1M x 36
16MB	None	None	(1) 4M x 36	None
20MB	None	None	(1) 4M x 36	(1) 1M x 36
24MB	(4) 1M x 9	None	(1) 4M x 36	(1) 1M x 36
24MB	(4) 4M x 9	None	(1) 1M x 36	(1) 1M x 36
28MB	(4) 4M x 9	(4) 1M x 9	(1) 1M x 36	(1) 1M x 36
28MB	(4) 1M x 9	(4) 1M x 9	(1) 4M x 36	(1) 1M x 36
32MB	None	None	(1) 4M x 36	(1) 4M x 36
36MB	(4) 4M x 9	None	(1) 4M x 36	(1) 1M x 36
40MB	(4) 4M x 9	(4) 4M x 9	(1) 1M x 36	(1) 1M x 36
40MB	(4) 1M x 9	(4) 1M x 9	(1) 4M x 36	(1) 4M x 36
48MB	(4) 4M x 9	None	(1) 4M x 36	(1) 4M x 36
52MB	(4) 4M x 9	(4) 1M x 9	(1) 4M x 36	(1) 4M x 36
52MB	(4) 4M x 9	(4) 4M x 9	(1) 4M x 36	(1) 1M x 36
64MB	(4) 4M x 9	(4) 4M x 9	(1) 4M x 36	(1) 4M x 36

DRAM CONFIGURATION 3				
Size	Bank 0	Bank 1	Bank 2	Bank 3
4MB	None	None	(1) 1M x 36	None
8MB	None	None	(1) 2M x 36	None
12MB	None	None	(1) 2M x 36	(1) 1M x 36
16MB	None	None	(1) 2M x 36	(1) 2M x 36
16MB	None	None	(1) 4M x 36	None
24MB	None	None	(1) 2M x 36	(1) 4M x 36
32MB	None	None	(1) 8M x 36	None
40MB	None	None	(1) 2M x 36	(1) 8M x 36
40MB	None	None	(1) 8M x 36	(1) 2M x 36
48MB	None	None	(1) 8M x 36	(1) 4M x 36
64MB	None	None	(1) 8M x 36	(1) 8M x 36

DRAM RESISTOR CONFIGURATION						
Configuration	RNB1	RNC1	RND1	RNB2	RNC2	RND2
1	Not installed	Installed	Not installed	Not installed	Installed	Not installed
2	Not installed	Not installed	Installed	Not installed	Not installed	Installed
3	Installed	Not installed	Not installed	Installed	Not installed	Not installed

CACHE CONFIGURATION				
Size	Bank 0	Bank 1	TAG0	TAG1
64KB	(4) 8K x 8	(4) 8K x 8	(1) 64K x 1	(1) 8K x 8
128KB	(4) 32K x 8	None	(1) 64K x 1	(1) 8K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 64K x 1	(1) 32K x 8

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CACHE JUMPER CONFIGURATION			
Size	RND	RNE	RNF
64KB	Installed	Not installed	Not installed
128KB	Not installed	Installed	Not installed
256KB	Not installed	Not installed	Installed

CPU SPEED SELECTION						
Speed	JP2	JP3	W13	W14	W15	W16
25MHz	2 & 3	Open	Open	Open	Closed	Open
33MHz	2 & 3	Open	Open	Open	Open	Closed
50iMHz	2 & 3	Open	Open	Open	Closed	Open
50MHz	1 & 2	Closed	Open	Open	Closed	Open
66iMHz	2 & 3	Open	Open	Open	Open	Closed

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION			
Type	RNA3	RNB3	RNC3
80486SX	Not installed	Not installed	Installed
OPD486	Not installed	Installed	Not installed
80487SX	Not installed	Installed	Not installed
80486DX	Installed	Not installed	Not installed
80486DX2	Installed	Not installed	Not installed

VL BUS SPEED SELECTION		
Speed	JP5	JP6
<= 33MHz	Open	Open
>33 MHz	Closed	Closed

VL BUS SELECTION			
CPU speed	# of VL-bus cards	RNV1	RNV2
33MHz	2	Not installed	Installed
50MHz	2	Not installed	Installed
50MHz	1	Installed	Not installed
66iMHz	2	Not installed	Installed

Note: 50MHz with 2 cards installed are not recommend by the manufacturer.