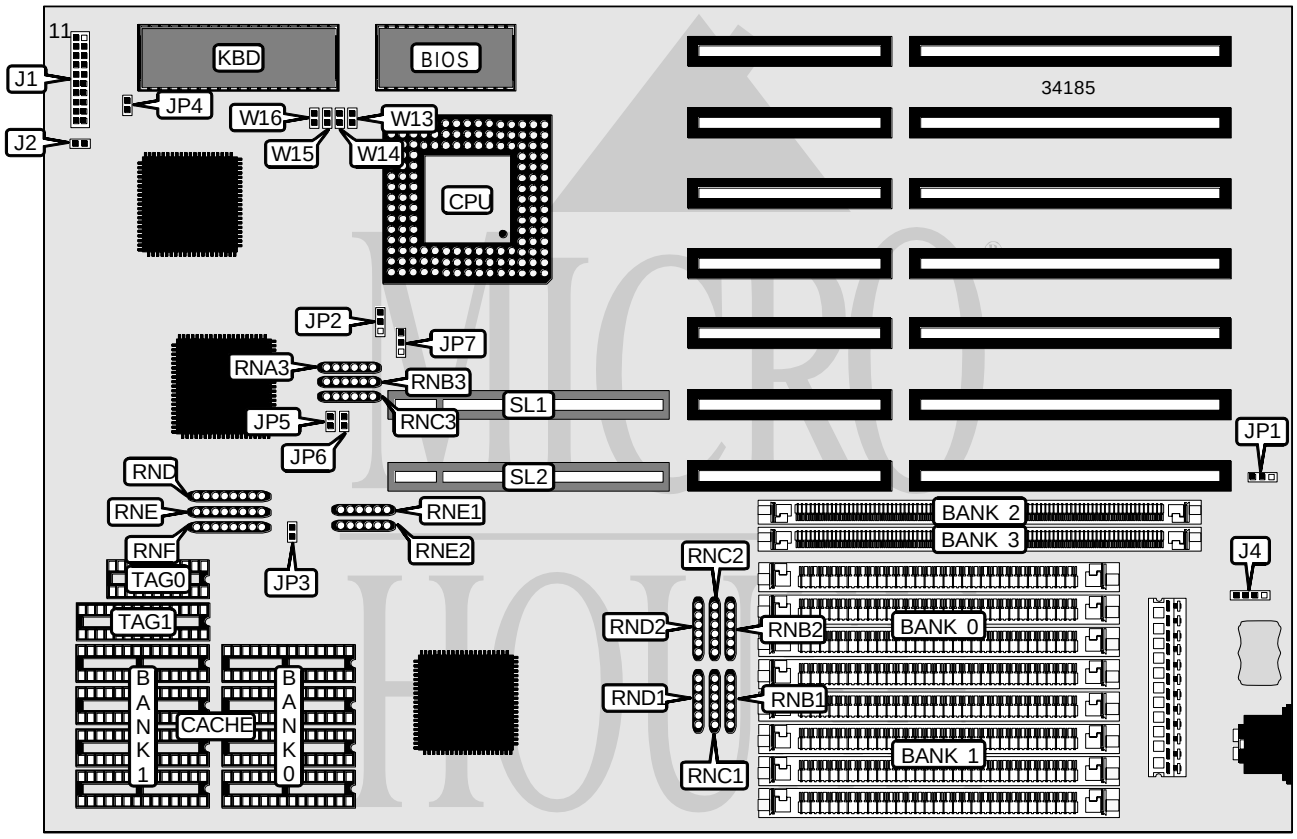
TMC RESEARCH CORPORATION
P A T 4 8 P R (V E R . 1 . 4)

Processor	80486SX/OPD486/80487SX/80486DX/80486DX2
Processor Speed	25/33/40/50(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
40MHz	1 & 2	Closed	Open	Closed	Open	Open
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**	**JP7**
<= 33MHz	Open	Open	Pins 1 & 2 closed
>33 MHz	Closed	Closed	Pins 2 & 3 closed

VL BUS SELECTION			
CPU speed	**# of VL-bus cards**	**RNE1**	**RNE2**
33MHz	2	Installed	Not installed
50MHz	2	Installed	Not installed
50MHz	1	Not installed	Installed
66iMHz	2	Installed	Not installed
Note: 50MHz with 2 cards installed are not recommend by the manufacturer.			