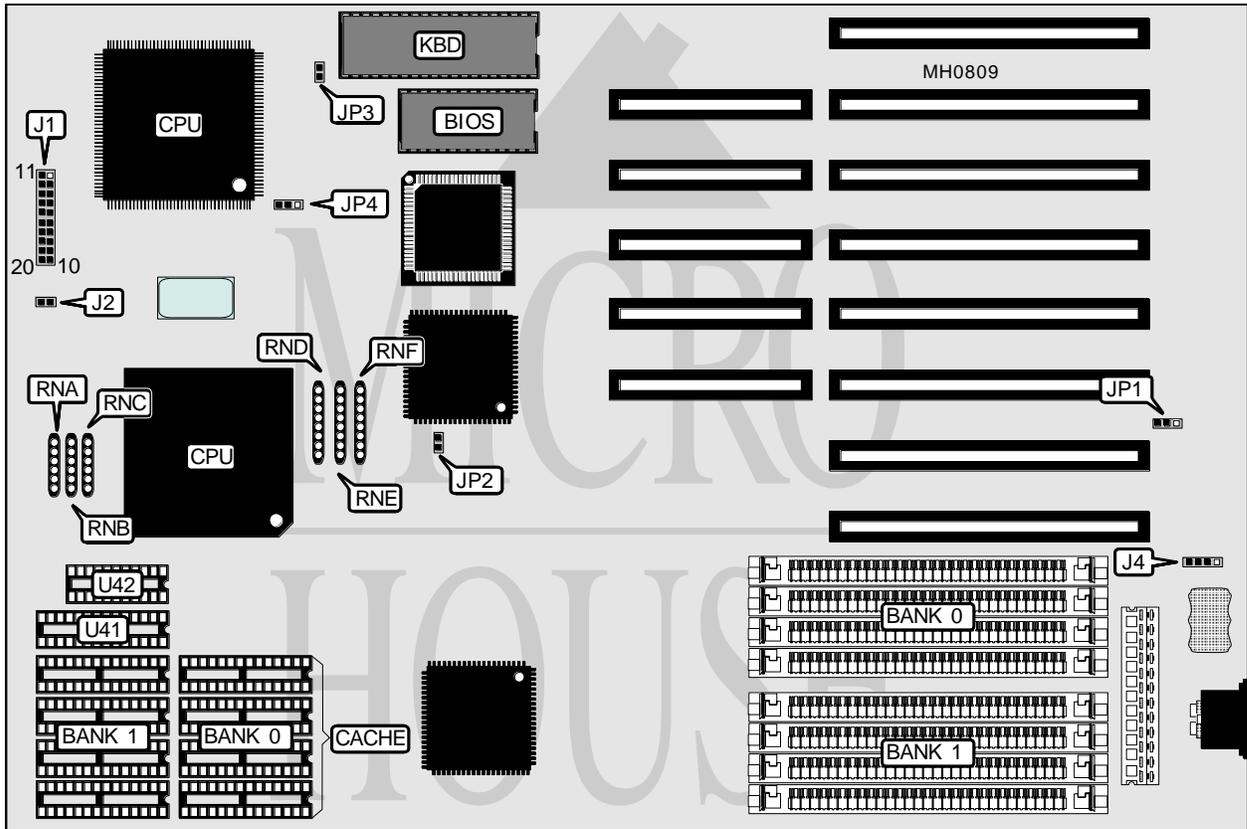


# TMC RESEARCH CORPORATION

## PAT48PM

<b>Processor</b>	80486SX/80487SX/80486DX/ODP486SX/80486DX2
<b>Processor Speed</b>	20/25/33/40(internal)/50/66(internal)MHz
<b>Chip Set</b>	OPTI
<b>Max. Onboard DRAM</b>	32MB
<b>Cache</b>	64/128/256KB
<b>BIOS</b>	AMI
<b>Dimensions</b>	330mm x 218mm
<b>I/O Options</b>	None
<b>NPU Options</b>	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Speaker	J1 pins 1 - 4	IDE LED in	J1 pins 10 & 20
Turbo switch	J1 pins 7 & 17	Power LED & keylock	J1 pins 11 - 15
Turbo LED	J1 pins 8 & 18	IDE LED out	J2
Reset switch	J1 pins 9 & 19	External battery	J4

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# TMC RESEARCH CORPORATION

## P A T 4 8 P M

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### USER CONFIGURABLE SETTINGS

Function	Jumper	Position
í CMOS memory normal operation (internal battery)	JP1	pins 2 & 3 closed
CMOS memory normal operation (external battery at J4)	JP1	Open
CMOS memory clear	JP1	pins 1 & 2 closed
í Bus speed select CLKIN/4	JP2	Open
Bus speed select CLKIN/6	JP2	Closed
í Monitor type select color	JP3	Closed
Monitor type select monochrome	JP3	Open
í CPU speed (CLKIN) select iOSC/1	JP4	pins 1 & 2 closed
CPU speed (CLKIN) select iOSC/2	JP4	pins 2 & 3 closed

### DRAM CONFIGURATION

Size	Bank 0	Bank 1
1MB	(4) 256K x 9	NONE
2MB	(4) 256K x 9	(4) 256K x 9
4MB	(4) 1M x 9	NONE
5MB	(4) 256K x 9	(4) 1M x 9
8MB	(4) 1M x 9	(4) 1M x 9
16MB	(4) 4M x 9	NONE
20MB	(4) 4M x 9	(4) 1M x 9
32MB	(4) 4M x 9	(4) 4M x 9

### CACHE CONFIGURATION

Size	Bank 0	Bank 1	TAG (U41)	TAG (U42)	Resistor Installed
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8	(1) 4K x 1	RND
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8	(1) 16K x 1	RND
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8	(1) 64K x 1	RND
128KB	(4) 32K x 8	NONE	(1) 8K x 8	(1) 16K x 1	RNE
128KB	(4) 32K x 8	NONE	(1) 8K x 8	(1) 64K x 1	RNE
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8	(1) 16K x 1	RNF
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8	(1) 64K x 1	RNF

Notes: If DRAM is ≤ 16MB, all cache sizes may be installed; if DRAM is >16MB, 128 or 256KB cache must be installed.

### CPU TYPE CONFIGURATION

Type	RNA	RNB	RNC
80486SX	Not installed	Not installed	Installed
80487SX	Not installed	Installed	Not installed
ODP486SX	Not installed	Installed	Not installed
80486DX	Installed	Not installed	Not installed
80486DX2	Installed	Not installed	Not installed