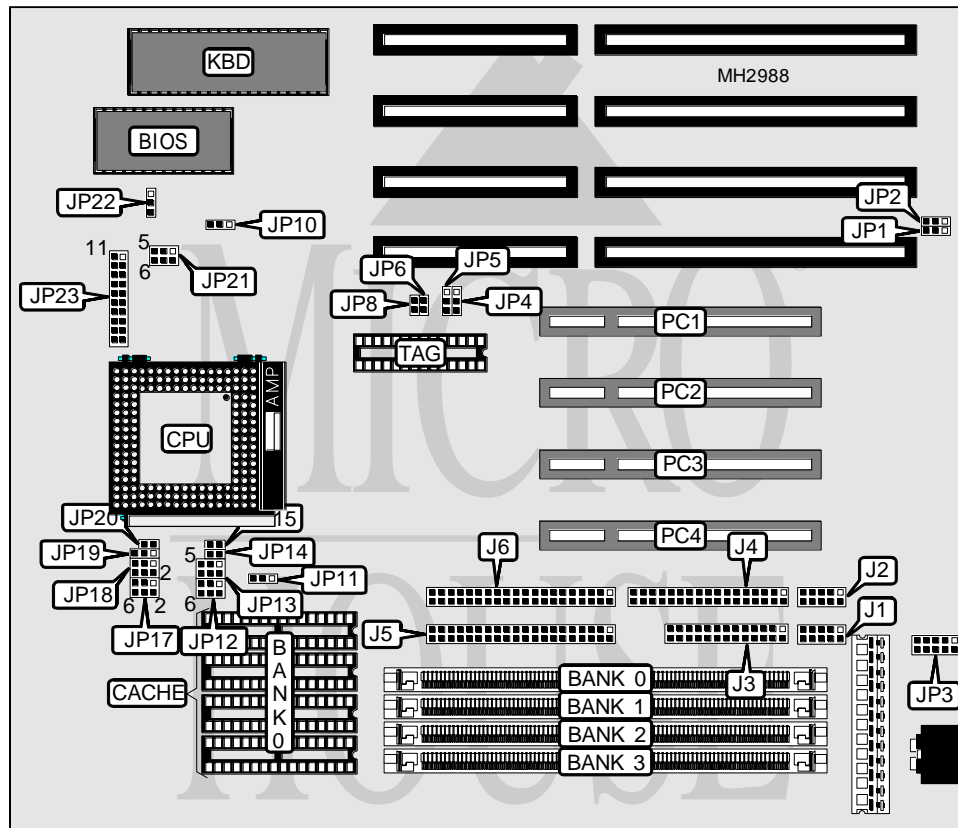


TMC RESEARCH CORPORATION

PCI48AF (VER. 3.0)

Processor	SL80486SX/80486SX/SL80486SX2/SL80486DX/80486DX/CX486M7/ TI486DX2/UMCU5/(SL)AM486DX2/AM486DX2/SL80486DX2/80486DX2/CXM1/(SL)AM486 DX4/AM486DX4/80486DX4/P24D/Pentium Overdrive
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal)/80(internal)/100(internal)/ 120(internal)MHz
Chip Set	ALI
Max. Onboard DRAM	128MB
Cache	128/256/512KB
BIOS	Unidentified
Dimensions	254mm x 218mm
I/O Options	PS/2 mouse interface, parallel port, serial ports (2), 32-bit PCI slots (4), floppy drive interface, IDE interface (2)
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 1	J1	Speaker	JP23 pins 1 - 4
Serial port 2	J2	Turbo switch	JP23 pins 7 & 17
Parallel port	J3	Turbo LED	JP23 pins 8 & 18
Floppy drive interface	J4	Reset switch	JP23 pins 9 & 19
IDE interface 1	J5	Power LED & keylock	JP23 pins 11 - 15
IDE interface 2	J6	IDE interface LED	JP23 pins 10 & 20
PS/2 mouse interface	JP3	32-bit PCI slots	PC1 - PC4

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation	JP22	pins 1 & 2 closed
CMOS memory clear	JP22	pins 2 & 3 closed

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
2MB	(1) 512K x 36	NONE	NONE	NONE
4MB	(1) 1M x 36	NONE	NONE	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
4MB	(1) 512K x 36	NONE	(1) 256K x 36	(1) 256K x 36
4MB	(1) 512K x 36	NONE	(1) 512K x 36	NONE
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
6MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	NONE
6MB	(1) 512K x 36	NONE	(1) 1M x 36	NONE
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 2M x 36	NONE	NONE	NONE
10MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
10MB	(1) 512K x 36	NONE	(1) 1M x 36	(1) 1M x 36
10MB	(1) 512K x 36	NONE	(1) 2M x 36	NONE
12MB	(1) 1M x 36	NONE	(1) 2M x 36	NONE
16MB	(1) 4M x 36	NONE	NONE	NONE
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 2M x 36	NONE	(1) 1M x 36	(1) 1M x 36
16MB	(1) 2M x 36	NONE	(1) 2M x 36	NONE
17MB	(1) 256K x 36	(1) 4M x 36	NONE	NONE
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
32MB	(1) 8M x 36	NONE	NONE	NONE
64MB	(1) 16M x 36	NONE	NONE	NONE
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	NONE	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	NONE	(1) 8M x 36	NONE
128MB	(1) 16M x 36	(1) 16M x 36	NONE	NONE
128MB	(1) 32M x 36	NONE	NONE	NONE

CACHE CONFIGURATION		
Size	Bank 0	TAG
128KB	(4) 32K x 8	(1) 8K x 8
256KB	(4) 64K x 8	(1) 16K x 8
512KB	(4) 128K x 8	(1) 32K x 8

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CACHE JUMPER CONFIGURATION		
Size	JP4	JP5
128KB	pins 2 & 3 closed	pins 2 & 3 closed
256KB	pins 2 & 3 closed	pins 1 & 2 closed
512KB	pins 1 & 2 closed	pins 1 & 2 closed

CPU TYPE CONFIGURATION					
Type	JP10	JP11	JP12	JP13	JP14
SL80486SX	1 & 2	1 & 2	3 & 4	3 & 4	Closed
80486SX	1 & 2	1 & 2	Open	1 & 2	Open
SL80486SX2	1 & 2	1 & 2	3 & 4	3 & 4	Closed
SL80486DX	2 & 3	1 & 2	3 & 4	3 & 4	Closed
80486DX	2 & 3	1 & 2	Open	1 & 2	Open
CX486M7	2 & 3	1 & 2	5 & 6	5 & 6	Closed
TI486DX2	2 & 3	1 & 2	5 & 6	5 & 6	Closed
UMC U5	1 & 2	1 & 2	1 & 2	1 & 2	Open
SL AM486DX2	2 & 3	2 & 3	3 & 4	3 & 4	Closed
AM486DX2	2 & 3	1 & 2	Open	1 & 2	Open
SL80486DX2	2 & 3	1 & 2	3 & 4	3 & 4	Closed
80486DX2	2 & 3	1 & 2	Open	1 & 2	Open
CXM1	2 & 3	1 & 2	3 & 4	3 & 4	Closed
SL AM486DX4	2 & 3	2 & 3	3 & 4	3 & 4	Closed
AM486DX4	2 & 3	1 & 2	Open	1 & 2	Closed
80486DX4	2 & 3	1 & 2	3 & 4	3 & 4	Closed
P24D	2 & 3	2 & 3	3 & 4	3 & 4	Closed
P24T	2 & 3	2 & 3	3 & 4	3 & 4	Closed

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION (CON'T)					
Type	JP15	JP17	JP18	JP19	JP20
SL80486SX	Open	Open	3 & 4	Open	Closed
80486SX	Open	Open	Open	Open	Closed
SL80486SX2	Open	Open	3 & 4	Open	Closed
SL80486DX	Open	Open	3 & 4	2 & 3	Closed
80486DX	Open	Open	Open	2 & 3	Closed
CX486M7	Open	1 & 2	5 & 6	2 & 3	Open
TI486DX2	Open	1 & 2	5 & 6	2 & 3	Open
UMC U5	Open	Open	1 & 2	Open	Closed
SL AM486DX2	Open	1 & 3, 5 & 6	3 & 4	2 & 3	Closed
AM486DX2	Closed	Open	Open	2 & 3	Closed
SL80486DX2	Open	Open	3 & 4	2 & 3	Closed
80486DX2	Open	Open	Open	2 & 3	Closed
CXM1	Open	5 & 6	3 & 4	2 & 3	Closed
SL AM486DX4	Open	5 & 6	3 & 4	2 & 3	Closed
AM486DX4	Open	Open	Open	2 & 3	Closed

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CPU TYPE CONFIGURATION (CON'T)

Type	JP15	JP17	JP18	JP19	JP20
80486DX4	Open	Open	3 & 4	2 & 3	Closed
P24D	Open	5 & 6	3 & 4	2 & 3	Closed
P24T	Open	Open	3 & 4	1 & 2	Closed

Note: Pins designated should be in the closed position.

CPU SPEED CONFIGURATION

Speed	JP6	JP8
25MHz	Open	Open
33MHz	Closed	Closed
40MHz	Closed	Open
50iMHz	Open	Open
50MHz	Open	Closed
66iMHz	Closed	Closed
75iMHz	Open	Open
80iMHz	Closed	Open
100iMHz	Closed	Closed
120iMHz	Closed	Closed

CPU VOLTAGE CONFIGURATION

Voltage	JP21
3.45v	pins 1 & 2 closed
4v	pins 3 & 4 closed
5v	pins 5 & 6 closed

DMA CONFIGURATION

DMA	JP1	JP2
DMA 1	pins 2 & 3 closed	pins 2 & 3 closed
DMA 3	pins 1 & 2 closed	pins 1 & 2 closed