TMC RESEARCH CORPORATION
PCI54AL (VER. 1.0A)

Processor	CX M1/Pentium
Processor Speed	75/90/100/120/133MHz
Chip Set	ALI
Max. Onboard DRAM	128MB
Cache	256/512/1024KB
BIOS	Unidentified
Dimensions	254mm x 218mm
I/O Options	Parallel port, serial ports (2), 32-bit PCI slots (3), green PC connector, floppy drive interface, IDE interfaces (2)
NPU Options	None
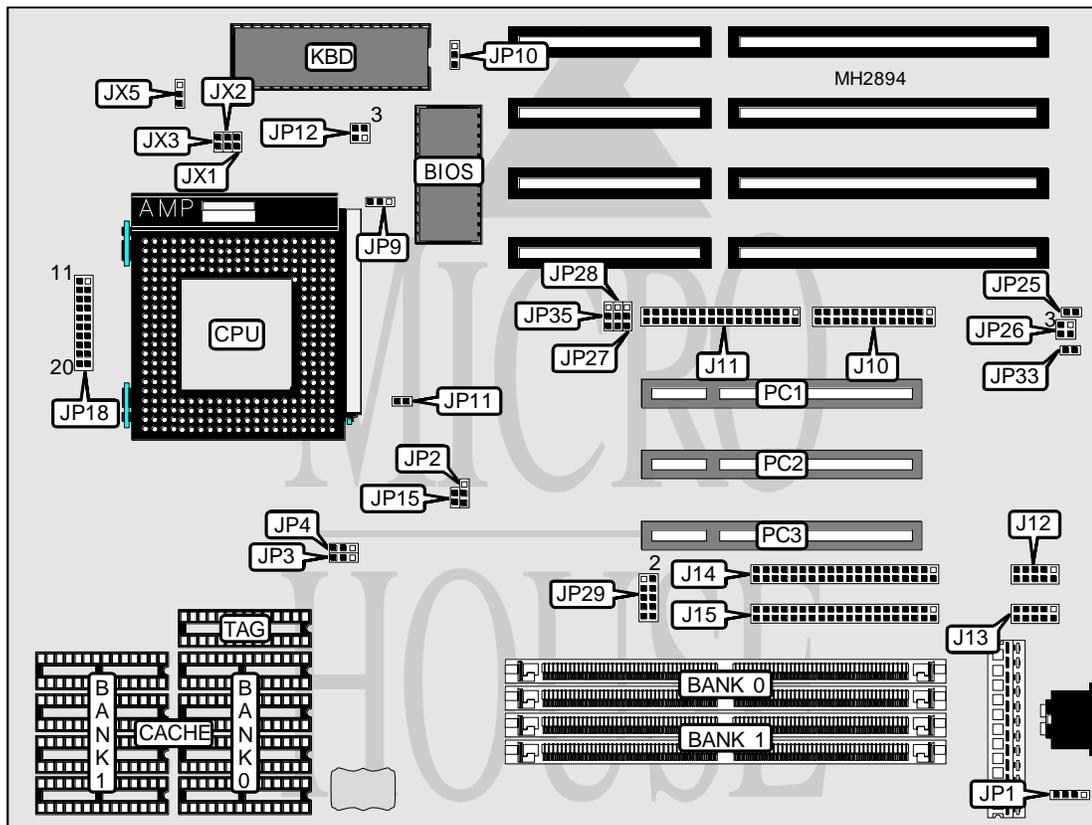
CONNECTIONS			
Purpose	Location	Purpose	Location
Parallel port	J10	Speaker	JP18 pins 1 - 5
Floppy drive interface	J11	Turbo switch	JP18 pins 7 & 17
Serial port 1	J12	Reset switch	JP18 pins 8 & 18
Serial port 2	J13	IDE interface LED	JP18 pins 10 & 20
IDE interface 1	J14	Power LED & keylock	JP18 pins 11 - 15
IDE interface 2	J15	External battery	JP1
Green PC connector	JP15	32-bit PCI slots	PC1 - PC3

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Battery type select internal	JP1	pins 2 & 3 closed
Battery type select external	JP1	Closed
CMOS memory clear	JP1	pins 1 & 2 closed
í ADS delay select delayed	JP2	pins 2 & 3 closed
ADS delay select normal	JP2	pins 1 & 2 closed
í Factory configured - do not alter	JP9	N/A
í Factory configured - do not alter	JP11	N/A
í Factory configured - do not alter	JP15	N/A
í BIOS type select flash BIOS	JP10	pins 1 & 2 closed
BIOS type select EPROM	JP10	pins 2 & 3 closed
í On board I/O enabled	JP25	Open
On board I/O disabled	JP25	Closed
í Factory configured - do not alter	JP26	N/A
í Factory configured - do not alter	JP27	N/A
í IDE interface enabled	JP29	pins 5 & 6 open
IDE interface disabled	JP29	pins 5 & 6 closed
í Factory configured - do not alter	JP33	N/A
í Factory configured - do not alter	JX5	N/A

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
2MB	(2) 256K x 36	NONE
4MB	(2) 256K x 36	(2) 256K x 36
4MB	(2) 512K x 36	NONE
6MB	(2) 512K x 36	(2) 256K x 36
8MB	(2) 512K x 36	(2) 512K x 36
8MB	(2) 1M x 36	NONE
10MB	(2) 1M x 36	(2) 256K x 36
12MB	(2) 1M x 36	(2) 512K x 36
16MB	(2) 1M x 36	(2) 1M x 36
16MB	(2) 2M x 36	NONE
18MB	(2) 2M x 36	(2) 256K x 36
20MB	(2) 2M x 36	(2) 512K x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 2M x 36	(2) 2M x 36
32MB	(2) 4M x 36	NONE
34MB	(2) 4M x 36	(2) 256K x 36
36MB	(2) 4M x 36	(2) 512K x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 4M x 36	(2) 4M x 36
64MB	(2) 8M x 36	NONE
66MB	(2) 8M x 36	(2) 256K x 36

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DRAM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
68MB	(2) 8M x 36	(2) 512K x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36

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

CACHE JUMPER CONFIGURATION		
Size	JP3	JP4
256KB	pins 1 & 2 closed	pins 1 & 2 closed
512KB	pins 2 & 3 closed	pins 1 & 2 closed
1MB	pins 2 & 3 closed	pins 2 & 3 closed

CPU TYPE CONFIGURATION		
Type	JX1	JX3
Cyrix M1	Closed	Closed
Intel	Open	Open

CPU SPEED CONFIGURATION		
Speed	JP12	JX2
75MHz	Open	Open
90MHz	pins 1 & 2 closed	Open
100MHz	pins 1 & 2, 3 & 4 closed	Open
120MHz	pins 1 & 2 closed	Closed
133MHz	pins 1 & 2, 3 & 4 closed	Closed

DMA CONFIGURATION		
DMA	JP28	JP35
DMA 1	pins 1 & 2 closed	pins 1 & 2 closed
DMA 2	pins 2 & 3 closed	pins 2 & 3 closed