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H O T - 5 3 9

Processor	Pentium
Processor Speed	75/90/100/120/133MHz
Chip Set	UMC
Max. Onboard DRAM	256MB
Cache	256/512/1024/2048KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interface (2), parallel port, PS/2 mouse interface, serial ports (2)
NPU Options	None
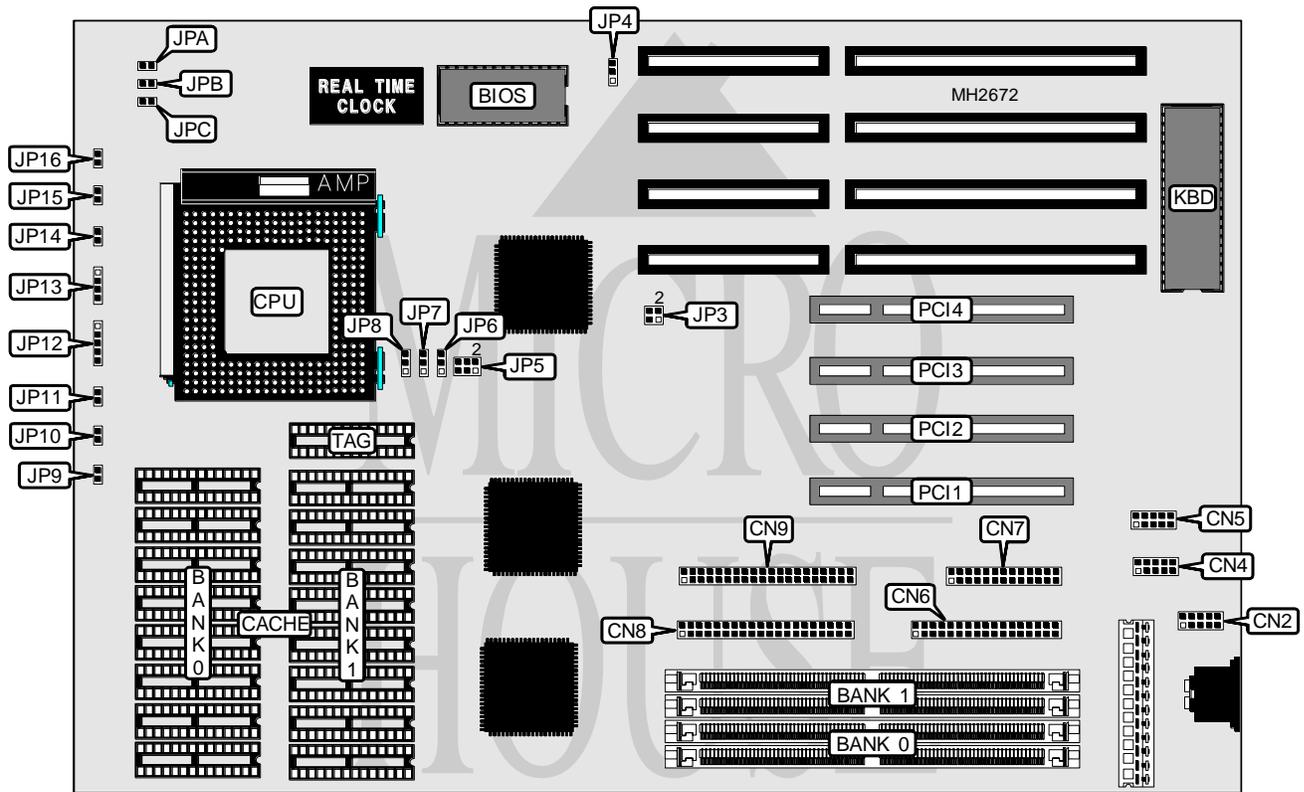
CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse interface	CN2	IDE interface LED	JP10
Serial port 1	CN4	EPMI connector	JP11
Serial port 2	CN5	Power LED & keylock	JP12
Floppy drive interface	CN6	Speaker	JP13
Parallel port	CN7	Turbo LED	JP14
IDE interface (primary)	CN8	Turbo switch	JP15
IDE interface (secondary)	CN9	Reset switch	JP16
External battery	JP9	32-bit PCI slots	PCI1 - PCI4

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HOT-539

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Flash voltage BIOS select 5v	JP4	pins 1 & 2 closed
Flash voltage BIOS select 12v	JP4	pins 2 & 3 closed

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) 256K x 36	(2) 512K x 36
8MB	(2) 512K x 36	(2) 512K x 36
8MB	(2) 1M x 36	NONE
10MB	(2) 256K x 36	(2) 1M x 36
12MB	(2) 512K x 36	(2) 1M x 36
16MB	(2) 1M x 36	(2) 1M x 36
16MB	(2) 2M x 36	NONE
18MB	(2) 256K x 36	(2) 2M x 36
20MB	(2) 512K x 36	(2) 2M x 36
24MB	(2) 1M x 36	(2) 2M x 36
32MB	(2) 2M x 36	(2) 2M x 36
32MB	(2) 4M x 36	NONE
34MB	(2) 256K x 36	(2) 4M x 36
36MB	(2) 512K x 36	(2) 4M x 36
40MB	(2) 1M x 36	(2) 4M x 36
48MB	(2) 2M x 36	(2) 4M x 36
64MB	(2) 4M x 36	(2) 4M x 36
64MB	(2) 8M x 36	NONE
66MB	(2) 256K x 36	(2) 8M x 36
68MB	(2) 512K x 36	(2) 8M x 36
72MB	(2) 1M x 36	(2) 8M x 36
80MB	(2) 2M x 36	(2) 8M x 36
96MB	(2) 4M x 36	(2) 8M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	NONE
130MB	(2) 256K x 36	(2) 16M x 36
132MB	(2) 512K x 36	(2) 16M x 36
136MB	(2) 1M x 36	(2) 16M x 36
144MB	(2) 2M x 36	(2) 16M x 36
160MB	(2) 4M x 36	(2) 16M x 36
192MB	(2) 8M x 36	(2) 16M x 36
256MB	(2) 16M x 36	(2) 16M x 36

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CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
256KB	(8) 32K x 8	NONE	(1) 8K x 8
512KB	(8) 32K x 8	(8) 32K x 8	(1) 32K x 8
512KB	(8) 64K x 8	NONE	(1) 32K x 8
1024KB	(8) 64K x 8	(8) 64K x 8	(1) 64K x 8
1024KB	(8) 128K x 8	NONE	(1) 64K x 8
2048KB	(8) 128K x 8	(8) 128K x 8	(1) 128K x 8

CACHE JUMPER CONFIGURATION				
Size	JP5	JP6	JP7	JP8
256KB	Open	Open	Open	1 & 2
512KB	1 & 2	Open	Open	2 & 3
512KB	1 & 2	Open	2 & 3	1 & 2
1024KB	1 & 2, 3 & 4	Open	1 & 2	2 & 3
1024KB	1 & 2, 3 & 4	1 & 2	2 & 3	1 & 2
2048KB	1 & 2, 3 & 4, 5 & 6	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in closed position.				

CPU SPEED CONFIGURATION		
CPU Speed	Clock Speed	JP3
75MHz	50MHz	Open
90MHz	60MHz	pins 3 & 4 closed
100MHz	50MHz	Open
100MHz	66MHz	pins 1 & 2, 3 & 4 closed
120MHz	60MHz	pins 3 & 4 closed
133MHz	66MHz	pins 1 & 2, 3 & 4 closed

CPU VOLTAGE CONFIGURATION			
Voltage	JPA	JPB	JPC
3.3v	Closed	Open	Open
3.45v	Open	Closed	Open
3.6v	Open	Open	Closed