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G A - 5 8 6 A T E

Processor	Pentium
Processor Speed	75/90/100/120/133/150/166/180/200MHz
Chip Set	Intel
Max. Onboard DRAM	128MB
Cache	256/512KB
BIOS	Award
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), VRM connector
NPU Options	None
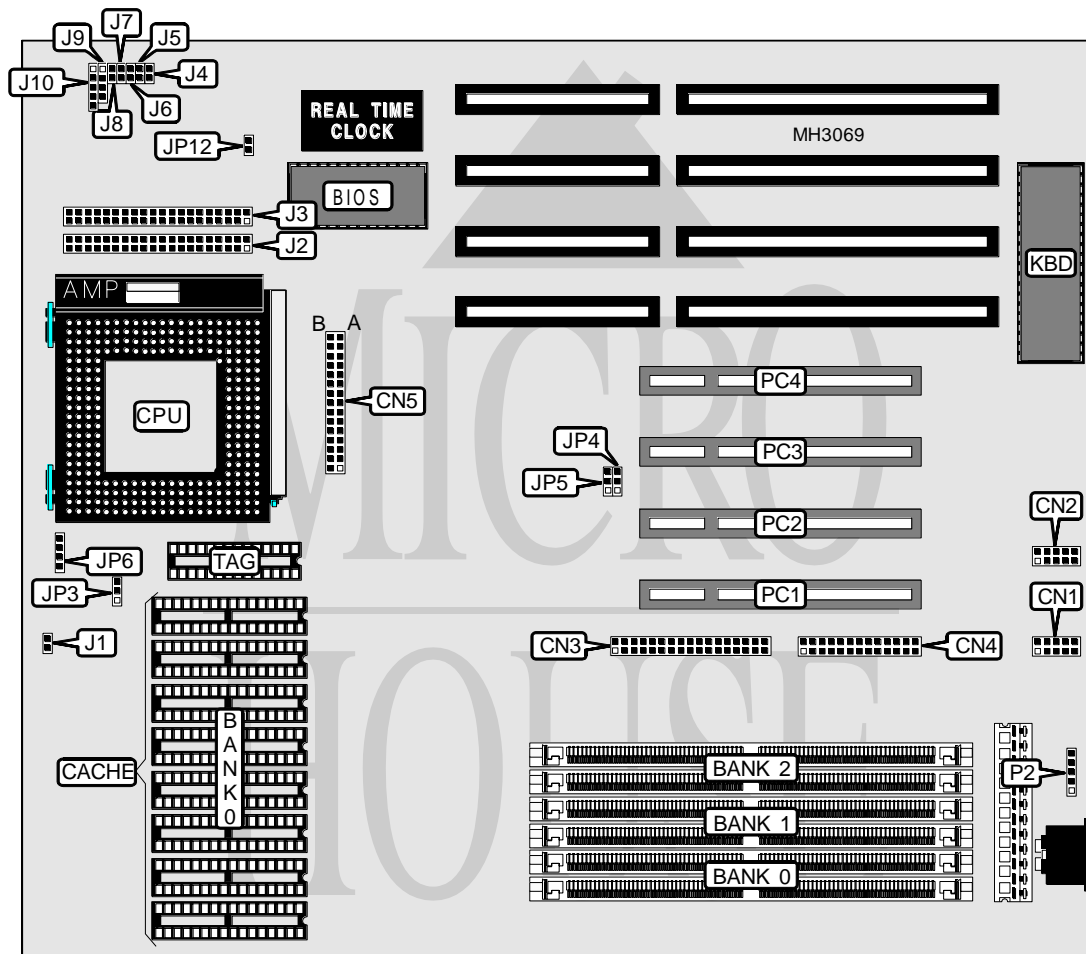
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CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 1	CN1	Green PC LED	J5
Serial port 2	CN2	Reset switch	J6
Floppy drive interface	CN3	Turbo switch	J7
Parallel port	CN4	Turbo LED	J8
VRM connector	CN5	Speaker	J9
Chassis fan power	J1	Power LED & keylock	J10
IDE interface 1	J2	PS/2 mouse interface	P2
IDE interface 2	J3	32-bit PCI slots	PC1 - PC4
Green PC connector	J4		

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Factory configured - do not alter	JP12	N/A

DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
8MB	(2) 1M x 32	NONE	NONE
16MB	(2) 1M x 32	(2) 1M x 32	NONE
16MB	(2) 2M x 32	NONE	NONE
24MB	(2) 1M x 32	(2) 1M x 32	(2) 1M x 32
24MB	(2) 2M x 32	(2) 1M x 32	NONE
32MB	(2) 4M x 32	NONE	NONE
32MB	(2) 2M x 32	(2) 1M x 32	(2) 1M x 32
40MB	(2) 4M x 32	(2) 1M x 32	NONE
40MB	(2) 2M x 32	(2) 1M x 32	(2) 2M x 32
48MB	(2) 4M x 32	(2) 1M x 32	(2) 1M x 32
48MB	(2) 1M x 32	(2) 1M x 32	(2) 4M x 32
48MB	(2) 1M x 32	(2) 4M x 32	(2) 1M x 32
56MB	(2) 2M x 32	(2) 1M x 32	(2) 4M x 32
56MB	(2) 2M x 32	(2) 4M x 32	(2) 1M x 32
64MB	(2) 8M x 32	NONE	NONE
64MB	(2) 2M x 32	(2) 4M x 32	(2) 2M x 32
72MB	(2) 4M x 32	(2) 1M x 32	(2) 4M x 32
72MB	(2) 4M x 32	(2) 4M x 32	(2) 1M x 32
72MB	(2) 1M x 32	(2) 4M x 32	(2) 4M x 32
72MB	(2) 8M x 32	(2) 1M x 32	NONE
80MB	(2) 8M x 32	(2) 1M x 32	(2) 1M x 32
80MB	(2) 2M x 32	(2) 4M x 32	(2) 4M x 32
88MB	(2) 2M x 32	(2) 1M x 32	(2) 8M x 32
88MB	(2) 8M x 32	(2) 1M x 32	(2) 2M x 32
96MB	(2) 4M x 32	(2) 4M x 32	(2) 4M x 32
104MB	(2) 8M x 32	(2) 1M x 32	(2) 4M x 32
104MB	(2) 8M x 32	(2) 4M x 32	(2) 1M x 32
112MB	(2) 2M x 32	(2) 4M x 32	(2) 8M x 32

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DRAM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
112MB	(2) 8M x 32	(2) 4M x 32	(2) 2M x 32
128MB	(2) 8M x 32	(2) 4M x 32	(2) 4M x 32

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

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

CPU SPEED CONFIGURATION			
Speed	JP4	JP5	JP6
75MHz	pins 2 & 3 closed	pins 2 & 3 closed	Open
90MHz	pins 1 & 2 closed	pins 1 & 2 closed	Open
100MHz	pins 1 & 2 closed	pins 2 & 3 closed	Open
120MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
133MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
150MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2, 3 & 4 closed
166MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2, 3 & 4 closed
180MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 3 & 4 closed
200MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 3 & 4 closed
Note: The location of pin 1 on JP6 is unidentified.			

VOLTAGE REGULATOR MODULE CONFIGURATION	
Voltage	CN5
3.3v	pins A6 & A7, B6 & B7 closed
2.5v/3.3v	VRM installed