GIGA-BYTE TECHNOLOGY CO., INC.
G A - 5 8 6 A T

Processor	Pentium
Processor Speed	75/90/100MHz
Chip Set	UMC
Max. Onboard DRAM	128MB
Cache	256/512KB
BIOS	Award
Dimensions	280mm x 220mm
I/O Options	32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, serial ports (2)
NPU Options	None
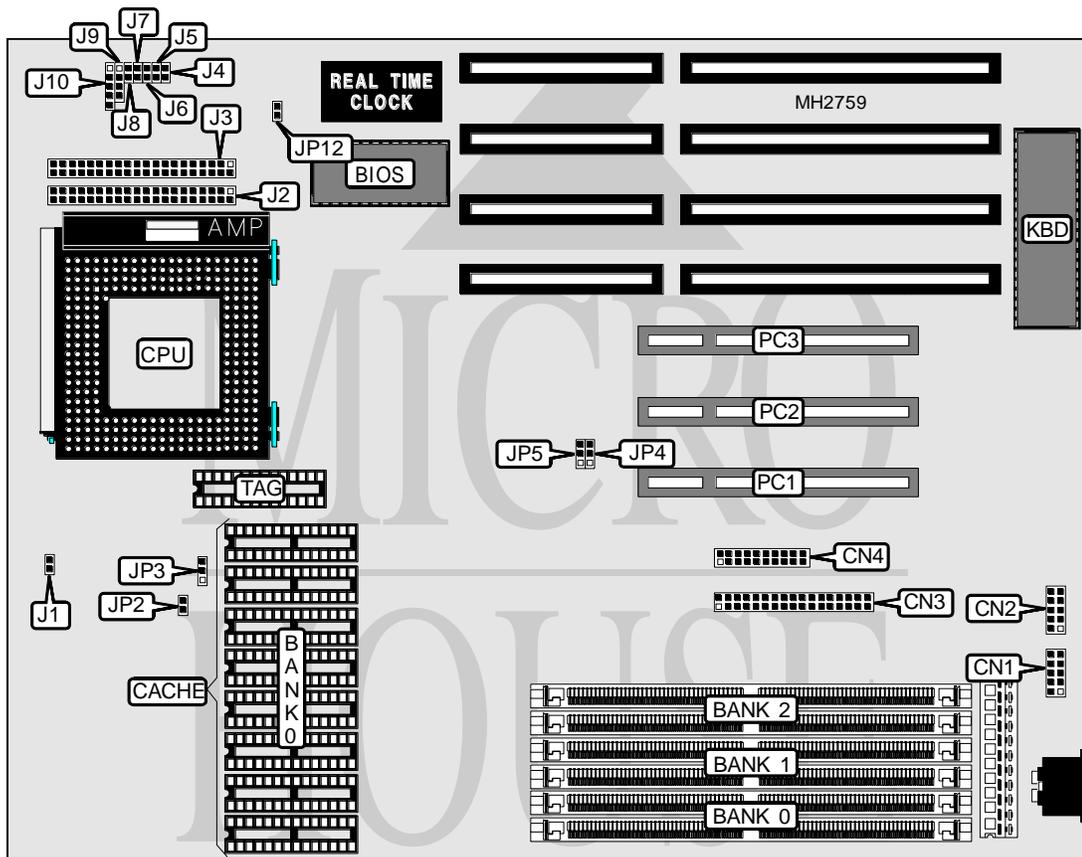
CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port 1	CN1	Green PC LED	J5
Serial port 2	CN2	Reset switch	J6
Floppy drive interface	CN3	Turbo switch	J7
Parallel port	CN4	Turbo LED	J8
Chassis fan power	J1	Speaker	J9
IDE interface (primary)	J2	Power LED & keylock	J10
IDE interface (secondary)	J3	32-bit PCI slots	PC1 - PC3
Green PC connector	J4		

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CPU type select VR or standard CPU	JP2	Open
CPU type select VRE CPU	JP2	Closed
í Factory configured - do not alter	JP12	N/A

DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
2MB	(2) 256K x 36	NONE	NONE
4MB	(2) 256K x 36	(2) 256K x 36	NONE
4MB	(2) 512K x 36	NONE	NONE
6MB	(2) 256K x 36	(2) 256K x 36	(2) 256K x 36
6MB	(2) 512K x 36	(2) 256K x 36	NONE
8MB	(2) 512K x 36	(2) 256K x 36	(2) 256K x 36
8MB	(2) 1M x 36	NONE	NONE
10MB	(2) 256K x 36	(2) 1M x 36	NONE
10MB	(2) 1M x 36	(2) 256K x 36	NONE
12MB	(2) 512K x 36	(2) 1M x 36	NONE
12MB	(2) 1M x 36	(2) 256K x 36	(2) 256K x 36
16MB	(2) 1M x 36	(2) 1M x 36	NONE
16MB	(2) 2M x 36	NONE	NONE
18MB	(2) 256K x 36	(2) 1M x 36	(2) 1M x 36
18MB	(2) 2M x 36	(2) 256K x 36	NONE
20MB	(2) 512K x 36	(2) 1M x 36	(2) 1M x 36
20MB	(2) 2M x 36	(2) 256K x 36	(2) 256K x 36
24MB	(2) 1M x 36	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36	NONE
32MB	(2) 2M x 36	(2) 1M x 36	(2) 1M x 36
32MB	(2) 4M x 36	NONE	NONE
34MB	(2) 256K x 36	(2) 4M x 36	NONE
34MB	(2) 4M x 36	(2) 256K x 36	NONE
36MB	(2) 512K x 36	(2) 4M x 36	NONE
36MB	(2) 4M x 36	(2) 256K x 36	(2) 256K x 36
40MB	(2) 1M x 36	(2) 4M x 36	NONE
40MB	(2) 4M x 36	(2) 1M x 36	NONE
48MB	(2) 2M x 36	(2) 4M x 36	NONE
48MB	(2) 4M x 36	(2) 1M x 36	(2) 1M x 36
64MB	(2) 4M x 36	(2) 4M x 36	NONE
64MB	(2) 8M x 36	NONE	NONE
66MB	(2) 256K x 36	(2) 4M x 36	(2) 4M x 36
66MB	(2) 8M x 36	(2) 256K x 36	NONE
68MB	(2) 512K x 36	(2) 4M x 36	(2) 4M x 36
68MB	(2) 8M x 36	(2) 256K x 36	(2) 256K x 36
72MB	(2) 1M x 36	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36	NONE
80MB	(2) 2M x 36	(2) 4M x 36	(2) 4M x 36

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DRAM CONFIGURATION (CON'T)			
Size	Bank 0	Bank 1	Bank 2
80MB	(2) 8M x 36	(2) 1M x 36	(2) 1M x 36
96MB	(2) 4M x 36	(2) 4M x 36	(2) 4M x 36
96MB	(2) 8M x 36	(2) 4M x 36	NONE
112MB	(2) 8M x 36	(2) 4M x 36	(2) 4M x 36
128MB	(2) 8M x 36	NONE	(2) 8M x 36

CACHE CONFIGURATION		
Size	Bank 0	TAG
256KB	(8) 32K x 8	(1) 8K x 8 or (1) 32K x 8
512KB	(8) 64K x 8	(1) 16K x 8 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
75MHz	pins 2 & 3 closed	pins 2 & 3 closed
90MHz	pins 1 & 2 closed	pins 1 & 2 closed
100MHz	pins 1 & 2 closed	pins 2 & 3 closed