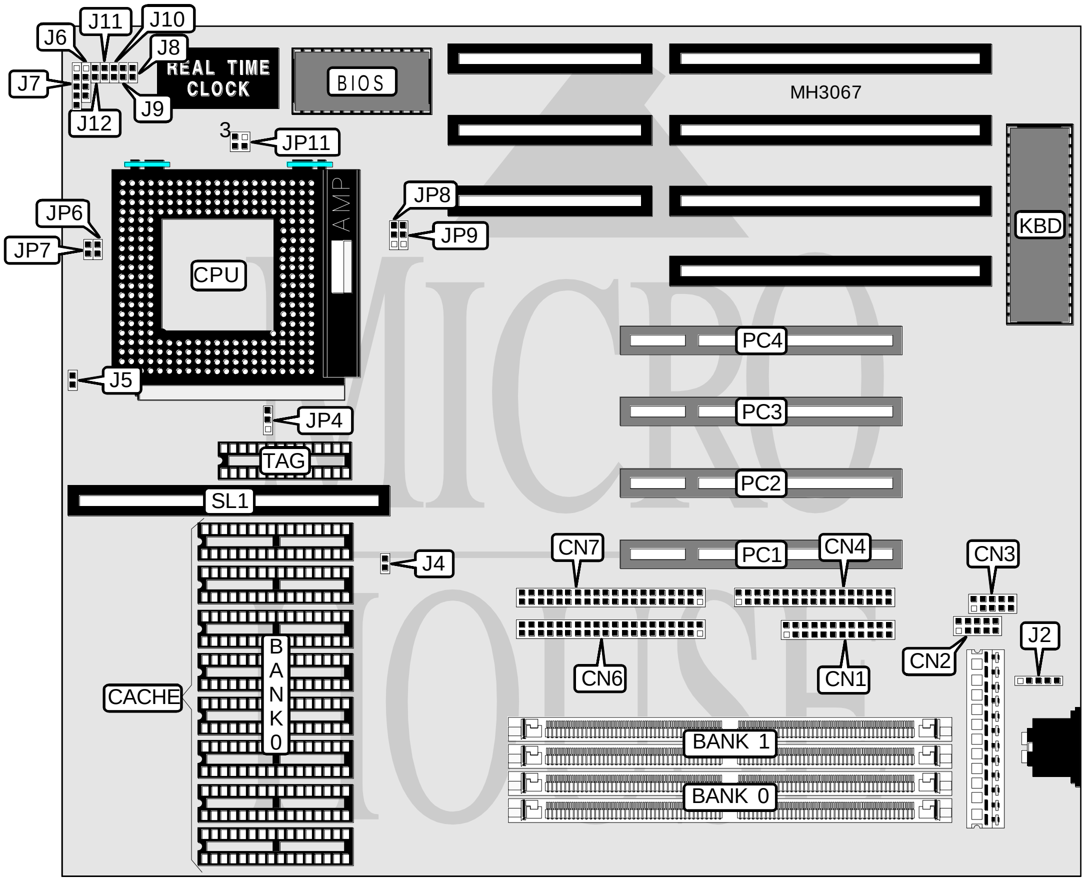
GIGA-BYTE TECHNOLOGY CO., LTD.
GA-586ATS

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), cache slot
NPU Options	None


J11
J10
J6
J8
J7
REAL TIME CLOCK
BIOS
J12
J9
MH3067
3
JP11
JP6
JP7
CPU
AMP
JP8
JP9
KBD
PC4
J5
PC3
JP4
TAG
PC2
SL1
CN7
CN4
CN3
J4
PC1
J2
CN2
CN6
CN1
B A N K 0
CACHE
BANK 1
BANK 0

CONNECTIONS			
Purpose	Location	Purpose	Location
Parallel port	CN1	Speaker	J6
Serial port 1	CN2	Power LED & keylock	J7
Serial port 2	CN3	Green PC connector	J8
Floppy drive interface	CN4	Green PC LED	J9
IDE interface 1	CN6	Reset switch	J10
IDE interface 2	CN7	Turbo switch	J11
PS/2 mouse interface	J2	Turbo LED	J12
IDE interface LED	J4	32-bit PCI slots	PC1 - PC4
Chassis fan power	J5	Cache slot	SL1

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DRAM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(2) 1M x 32	NONE
16MB	(2) 2M x 32	NONE
16MB	(2) 1M x 32	(2) 1M x 32
24MB	(2) 2M x 32	(2) 1M x 32
24MB	(2) 1M x 32	(2) 2M x 32
32MB	(2) 4M x 32	NONE
32MB	(2) 2M x 32	(2) 2M x 32
40MB	(2) 4M x 32	(2) 1M x 32
40MB	(2) 1M x 32	(2) 4M x 32
48MB	(2) 4M x 32	(2) 2M x 32
48MB	(2) 2M x 32	(2) 4M x 32
64MB	(2) 8M x 32	NONE
64MB	(2) 4M x 32	(2) 4M x 32
72MB	(2) 8M x 32	(2) 1M x 32
72MB	(2) 1M x 32	(2) 8M x 32
80MB	(2) 8M x 32	(2) 2M x 32
80MB	(2) 2M x 32	(2) 8M x 32
96MB	(2) 8M x 32	(2) 4M x 32
96MB	(2) 4M x 32	(2) 8M x 32
128MB	(2) 8M x 32	(2) 8M x 32

CACHE CONFIGURATION			
Size	Bank 0	TAG	SL1
256KB (A)	(8) 32K x 8	(1) 8K or (1) 32K x 8	Not installed
256KB (B)	NONE	(1) 8K or (1) 32K x 8	Installed
512KB (A)	(8) 64K x 8	(1) 16K or (1) 32K x 8	Not installed
512KB (B)	NONE	(1) 16K or (1) 32K x 8	Installed

CACHE JUMPER CONFIGURATION	
Size	JP4
256KB (A)	pins 1 & 2 closed
256KB (B)	pins 1 & 2 closed
512KB (A)	pins 2 & 3 closed
512KB (B)	pins 2 & 3 closed

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CPU SPEED CONFIGURATION			
Speed	JP8	JP9	JP11
75MHz	pins 1 & 2 closed	pins 1 & 2 closed	Open
90MHz	pins 1 & 2 closed	pins 2 & 3 closed	Open
100MHz	pins 2 & 3 closed	pins 1 & 2 closed	Open
120MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
133MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
150MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2, 3 & 4 closed
166MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2, 3 & 4 closed
180MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 3 & 4 closed
200MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 3 & 4 closed

CPU VOLTAGE CONFIGURATION		
Voltage	JP6	JP7
2.5v/3.3v (except for P55C)	Open	Open
3.3v	Closed	Closed