GIGA-BYTE TECHNOLOGY CO., LTD.
G A - 4 8 6 I M

Processor	CX486/AM486/UMC/80486SX/80486DX/80486DX2/80486DX4/P24D/ Pentium Overdrive
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)MHz
Chip Set	UMC
Max. Onboard DRAM	128MB
Cache	32/64/128/256/512/1024KB
BIOS	Award
Dimensions	254mm x 218mm
I/O Options	32-bit VESA local bus slots (2), 32-bit PCI slots (4), green PC connector
NPU Options	None
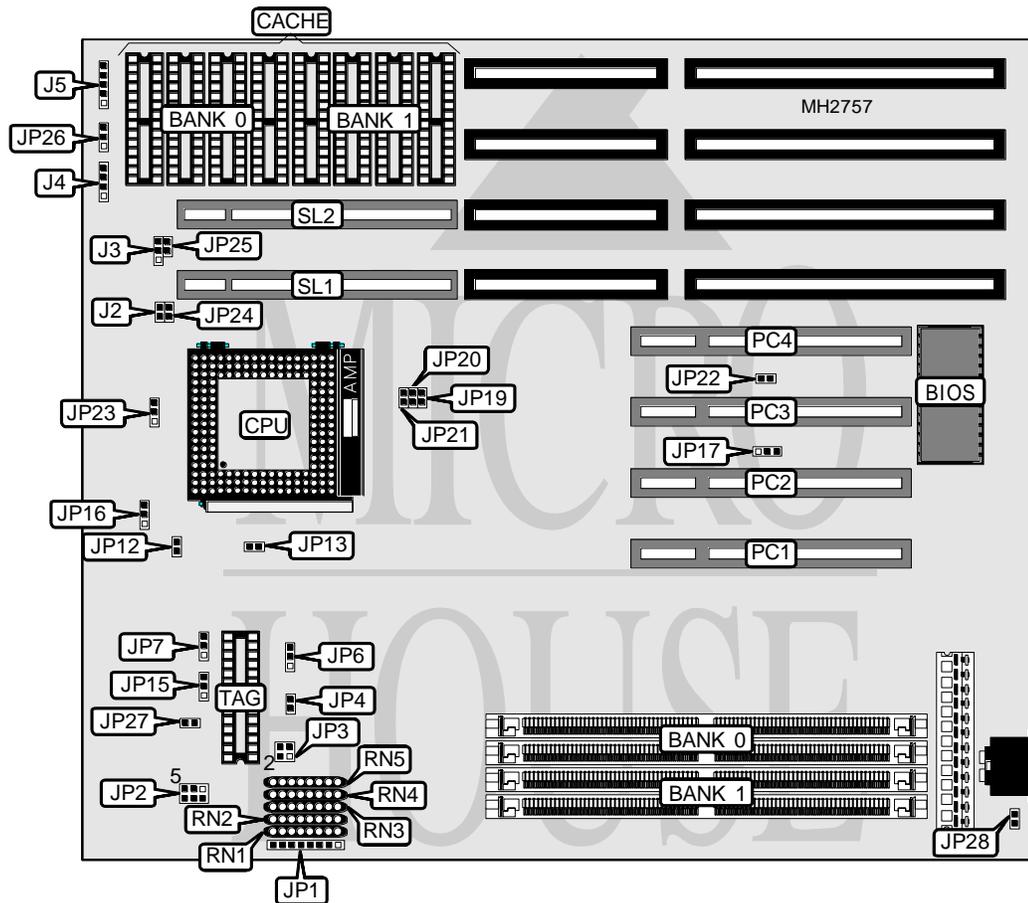
CONNECTIONS			
Purpose	Location	Purpose	Location
Reset switch	J2	Turbo LED	JP24
Turbo switch	J3	Green PC LED	JP27
Speaker	J4	Green PC connector	JP28
Power LED & keylock	J5	32-bit PCI slots	PC1 - PC4
Green PC connector	JP12	32-bit VESA local bus slots	SL1 & SL2

GIGA-BYTE TECHNOLOGY CO., LTD.
G A - 4 8 6 I M

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í P24D cache type select write through	JP6	pins 2 & 3 closed
P24D cache type select write back	JP6	pins 1 & 2 closed
í Factory configured - do not alter	JP17	N/A
í Factory configured - do not alter	JP22	N/A

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

GIGA-BYTE TECHNOLOGY CO., LTD.
G A - 4 8 6 I M

DRAM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
80MB	(2) 2M x 36	(2) 8M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 4M x 36	(2) 8M 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
128KB	(4) 32K x 8	NONE	(1) 8K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
256KB	(4) 64K x 8	NONE	(1) 32K x 8
512KB	(4) 128K x 8	NONE	(1) 32K x 8

CACHE JUMPER CONFIGURATION				
Size	JP19	JP20	JP21	JP26
128KB	Open	Open	Closed	pins 2 & 3 closed
256KB	Open	Closed	Closed	pins 1 & 2 closed
256KB	Open	Closed	Closed	pins 2 & 3 closed
512KB	Closed	Closed	Closed	pins 2 & 3 closed

CPU TYPE CONFIGURATION		
Type	JP3	JP16
Cyrix	pins 1 & 2 closed	N/A
AMD	pins 1 & 2 closed	N/A
UMC	pins 1 & 2 closed	N/A
80486SX	N/A	pins 2 & 3 closed
80486DX	N/A	pins 1 & 2 closed
Intel	pins 1 & 2 closed	N/A
Intel S-series	pins 3 & 4 closed	N/A

CPU TYPE CONFIGURATION					
Type	RN1	RN2	RN3	RN4	RN5
Cyrix	Installed	Not installed	Not installed	Installed	Not installed
AMD	Not installed	Not installed	Installed	Not installed	Not installed
UMC	Not installed	Not installed	Installed	Not installed	Not installed
Intel	Not installed	Installed	Not installed	Not installed	Installed

CPU TYPE CONFIGURATION		
Type	JP1	JP13
Cyrix	pins 1 & 2, 3 & 4 closed	Open
AMD	pins 5 & 6, 7 & 8 closed	Open
UMC	pins 5 & 6, 7 & 8 closed	Open
Intel	pins 3 & 4, 5 & 6 closed	Closed

GIGA-BYTE TECHNOLOGY CO., LTD.
G A - 4 8 6 I M

CPU SPEED CONFIGURATION	
Speed	JP2
25MHz	pins 1 & 2 closed
33MHz	pins 1 & 2, 3 & 4, 5 & 6 closed
40MHz	pins 1 & 2, 3 & 4 closed
50iMHz	pins 1 & 2 closed
50MHz	pins 5 & 6 closed
66iMHz	pins 1 & 2, 3 & 4, 5 & 6 closed
75iMHz	pins 1 & 2 closed
100iMHz	pins 1 & 2, 3 & 4, 5 & 6 closed

CPU SPEED CONFIGURATION (80486DX4 ONLY)		
Speed	JP4	JP23
2x	Closed	pins 2 & 3 closed
3x	Open	pins 2 & 3 closed

BUS SPEED CONFIGURATION	
CPU speed	JP25
<= 33MHz	Open
> 33MHz	Closed

VESA DELAY CONFIGURATION		
Setting	JP7	JP15
Normal card installed	pins 1 & 2 closed	pins 1 & 2 closed
Card installed needs address setup time	pins 2 & 3 closed	pins 2 & 3 closed