GEMLIGHT COMPUTER, LTD.
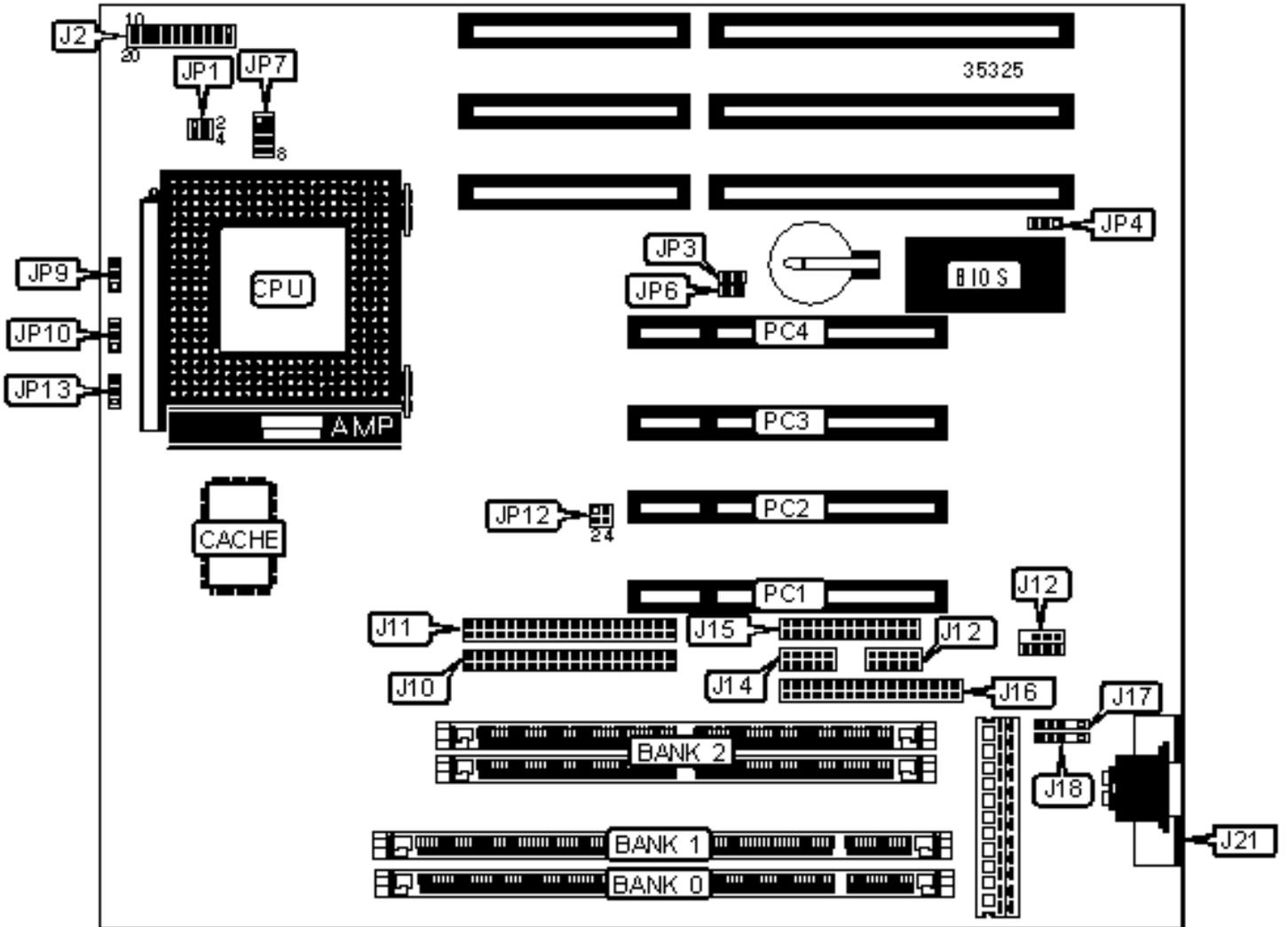
GMB-P57IPS (VER. 5.01)

Configuration

CONNECTIONS

Purpose	Location	Purpose	Location
IDE interface LED	J2/pins 1 & 2	Serial port 2	J13
Turbo LED	J2/pins 3 & 4	Serial port 1	J14
Soft off power supply	J2/pins 5 & 6	Parallel port	J15
Reset switch	J2/pins 9 & 10	Floppy drive interface	J16
Power LED	J2/pins 11 - 13	P/S2 mouse connector	J17
Speaker	J2/pins 17 - 20	IR connector	J18
IDE interface 1	J10	PS/2 mouse port	J21
IDE interface 2	J11	32-bit PCI slots	PC1 - PC4
USB connector	J12		

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	Flash BIOS voltage select 5v	JP4	Pins 2 & 3 closed
	Flash BIOS voltage select 12v	JP4	Pins 1 & 2 closed

CMOS CONFIGURATION

Setting	JP3	JP6
CMOS memory normal mode	Closed	Open
CMOS memory clear	Open	Closed

SIMM CONFIGURATION

Size	Bank 2
1MB	(2) 512K x 32
8MB	(2) 1MB x 32

16MB	(2) 2MB x 32
32MB	(2) 4MB x 32
64MB	(2) 8MB x 32

DIMM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(1) 1MB x 64	None
16MB	(1) 2MB x 64	None
32MB	(1) 4MB x 64	None
32MB	(1) 2MB x 64	(1) 2MB x 64
48MB	(1) 4MB x 64	(1) 2MB x 64
64MB	(1) 8MB x 64	None
64MB	(1) 4MB x 64	(1) 4MB x 64
80MB	(1) 8MB x 64	(1) 2MB x 64
96MB	(1) 8MB x 64	(1) 4MB x 64
128MB	(1) 8MB x 64	(1) 8MB x 64
128MB	(1) 16MB x 64	None
160MB	(1) 16MB x 64	(1) 4MB x 64
192MB	(1) 16MB x 64	(1) 8MB x 64
256MB	(1) 16MB x 64	(1) 16MB x 64

CPU SPEED SELECTION (INTEL)							
Speed	Clock speed	Multiplier	JP9	JP10	JP13	JP12/1 & 2	JP12/3 & 4
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	Closed	Open
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	Open	Open
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	Closed	Open

Speed	Clock speed	Multiplier	JP9	JP10	JP13	JP12/1 & 2	JP12/3 & 4
133MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	Open	Open
150MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	Closed	Open
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	Open	Open
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	Open	Open
Note: Pins designated are in the closed position							

CPU SPEED SELECTION (INTEL MMX)

Speed	Clock speed	Multiplier	JP9	JP10	JP13	JP12/1 & 2	JP12/3 & 4
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	Open	Open
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	Open	Open
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	Open	Open
Note: Pins designated are in the closed position							

CPU SPEED SELECTION (AM K5)

Speed	Clock speed	Multiplier	JP9	JP10	JP13	JP12/1 & 2	JP12/3 & 4
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	Closed	Open
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	Open	Open
120MHz	60MHz	2x	1 & 2	1 & 2	1 & 2	Closed	Open
133MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	Open	Open
150MHz	60MHz	2.5x	1 & 2	1 & 2	1 & 2	Open	Open
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	Open	Open
Note: Pins designated are in the closed position							

CPU SPEED SELECTION (AM K6)

Speed	Clock speed	Multiplier	JP9	JP10	JP13	JP12/1 & 2	JP12/3 & 4
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	Open	Open

Speed	Clock speed	Multiplier	JP9	JP10	JP13	JP12/1 & 2	JP12/3 & 4
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	Open	Open
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	Open	Open
266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3	Open	Open
Note: Pins designated are in the closed position							

CPU SPEED SELECTION (CX 6X86)

Speed	Clock speed	Multiplier	JP9	JP10	JP13	JP12/1 & 2	JP12/3 & 4
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2	Closed	Closed
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	Closed	Open
Note: Pins designated are in the closed position							

CPU SPEED SELECTION (CX 6X86L)

Speed	Clock speed	Multiplier	JP9	JP10	JP13	JP12/1 & 2	JP12/3 & 4
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	Open	Open
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2	Open	Closed
Note: Pins designated are in the closed position							

CPU SPEED SELECTION (CX 6X86MX)

Speed	Clock speed	Multiplier	JP9	JP10	JP13	JP12/1 & 2	JP12/3 & 4
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	Closed	Open
200MHz	66MHz	3x	2 & 3	1 & 2	1 & 2	Open	Closed
233MHz	66MHz	3.5x	2 & 3	2 & 3	1 & 2	Open	Closed
Note: Pins designated are in the closed position							

CPU VOLTAGE SELECTION (SINGLE)

Voltage	JP1/1 & 2	JP1/ 3 & 4	JP7/ 1 & 2	JP7/ 3 & 4	JP7/ 5 & 6	JP7/ 7 & 8

| 3.3V | Closed | Closed | Closed | Open | Closed | Closed |
| 3.5V | Closed | Closed | Closed | Closed | Closed | Closed |

CPU VOLTAGE SELECTION (DUAL)							
V I/O	V core	JP1/1 & 2	JP1/3 & 4	JP7/1 & 2	JP7/3 & 4	JP7/5 & 6	JP7/7 & 8
3.3V	2.8V	Open	Open	Open	Open	Open	Closed
3.3V	2.9V	Open	Open	Closed	Open	Open	Closed
3.3V	3.2V	Open	Open	Open	Open	Closed	Closed