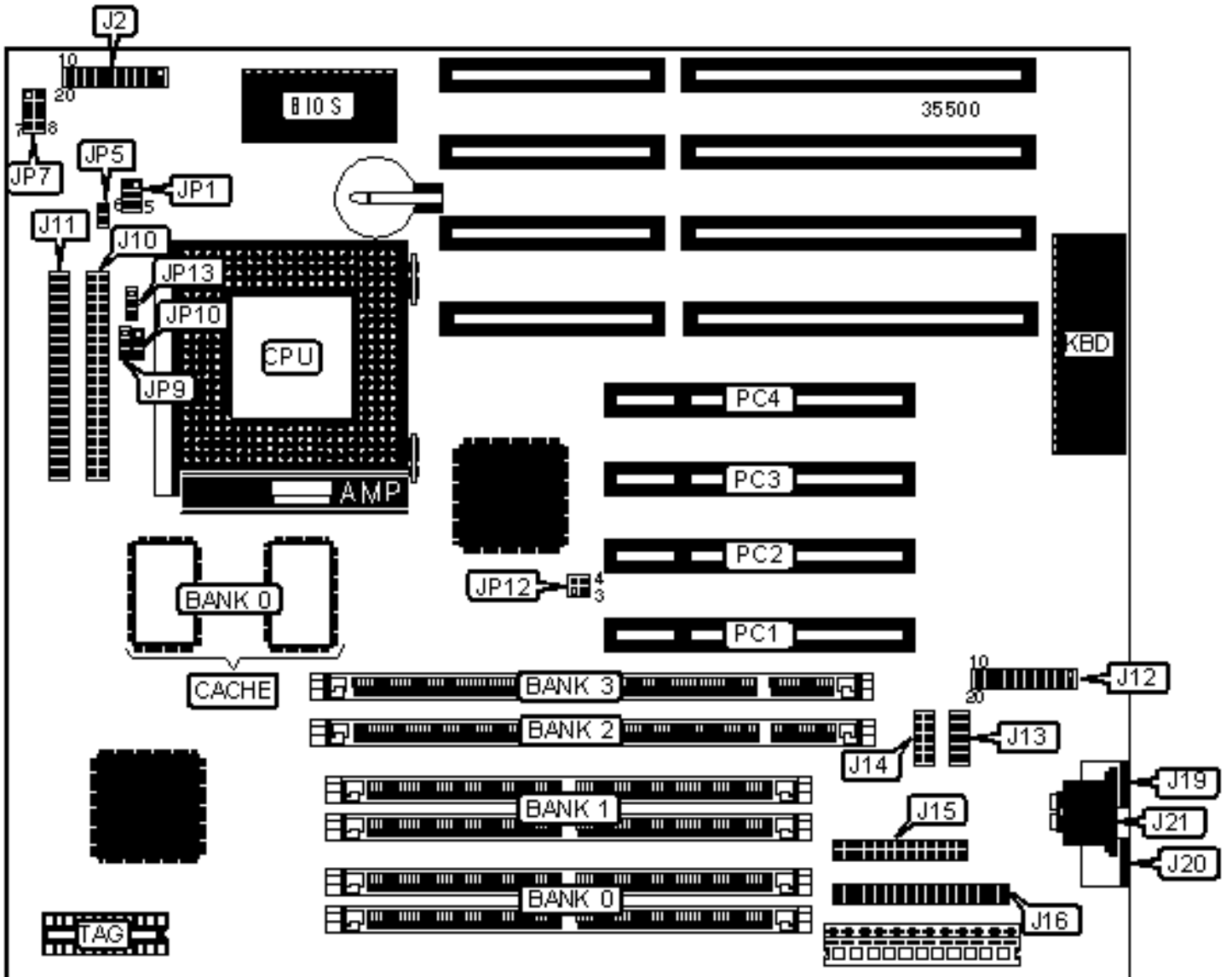


GEMLIGHT COMPUTER, LTD.

GMB-P57IPS (VER. 3.03)

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
IDE interface LED	J2/pins 1 & 2	PS/2 mouse interface	J12/pins 6 - 10
Turbo LED	J2/pins 3 & 4	USB connector 2	J12/pins 12 - 15
Green PC connector	J2/pins 5 & 6	IR connector	J12/pins 16 - 20
Reset switch	J2/pins 9 & 10	Serial port 1	J13
Power LED & keylock	J2/pins 11 - 15	Serial port 2	J14
Speaker	J2/pins 17 - 20	Parallel port	J15
IDE interface 2	J10	Floppy drive interface	J16
IDE interface 1	J11	PS/2 mouse port	J19
USB connector 1	J12/pins 2 - 5	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS

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

SIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(2) 1MB x 32	None
16MB	(2) 1MB x 32	(2) 1MB x 32
16MB	(2) 2MB x 32	None
24MB	(2) 2MB x 32	(2) 1MB x 32
32MB	(2) 2MB x 32	(2) 2MB x 32
32MB	(2) 4MB x 32	None
40MB	(2) 4MB x 32	(2) 1MB x 32

48MB	(2) 4MB x 32	(2) 2MB x 32
64MB	(2) 4MB x 32	(2) 4MB x 32
64MB	(2) 8MB x 32	None
72MB	(2) 8MB x 32	(2) 1MB x 32
80MB	(2) 8MB x 32	(2) 2MB x 32
96MB	(2) 8MB x 32	(2) 4MB x 32
128MB	(2) 8MB x 32	(2) 8MB x 32
128MB	(2) 16MB x 32	None
136MB	(2) 16MB x 32	(2) 1MB x 32
144MB	(2) 16MB x 32	(1) 2MB x 32
160MB	(2) 16MB x 32	(2) 4MB x 32
192MB	(2) 16MB x 32	(2) 8MB x 32
256MB	(2) 16MB x 32	(2) 16MB x 32

DIMM CONFIGURATION

Size	Bank 2	Bank 3
8MB	(1) 1MB x 64	None
16MB	(1) 1MB x 64	(1) 1MB x 64
16MB	(1) 2MB x 64	None
24MB	(1) 2MB x 64	(1) 1MB x 64
32MB	(1) 2MB x 64	(1) 2MB x 64
32MB	(1) 4MB x 64	None
40MB	(1) 4MB x 64	(1) 1MB x 64
48MB	(1) 4MB x 64	(1) 2MB x 64
64MB	(1) 4MB x 64	(1) 4MB x 64
64MB	(1) 8MB x 64	None

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
144MB	(1) 16MB x 64	(1) 2MB x 64
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

CACHE CONFIGURATION		
Size	Bank 0	TAG
256KB	(2) 32K x 32	8/16K x 8
512KB	(2) 64K x 32	16K x 8

CPU SPEED SELECTION (INTEL)						
CPU Speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	Open	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	Open	1 & 2
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2
133MHz	66MHz	2x	2 & 3	1 & 2	Open	1 & 2
150MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	Open	1 & 2

Note: Pins designated are in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU Speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	Open	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	Open	1 & 2

Note: Pins designated are in the closed position.

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2, 3 & 4	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	Open	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	3 & 4	1 & 2

Note: Pins designated are in the closed position.

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
166MHz	60MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2
200MHz	66MHz	2.5x	2 & 3	2 & 3	Open	1 & 2

Note: Pins designated are in the closed position.

CPU SPEED SELECTION (AMD K5)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	Open	1 & 2
120MHz	60MHz	2x	1 & 2	1 & 2	1 & 2	1 & 2

133MHz	66MHz	2x	2 & 3	1 & 2	Open	1 & 2
150MHz	60MHz	2.5x	1 & 2	1 & 2	Open	1 & 2
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open	1 & 2

Note: Pins designated are in the closed position.

CPU SPEED SELECTION (AMD K6)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	Open	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	Open	1 & 2
266MHz	66MHz	4x	2 & 3	1 & 2	Open	2 & 3

Note: Pins designated are in the closed position.

CPU VOLTAGE SELECTION (SINGLE)

Voltage	JP1	JP5	JP7/ 1 & 2	JP7/ 3 & 4	JP7/ 5 & 6	JP7/ 7 & 8
3.3V	Closed	Closed	Open	Closed	Closed	Closed
3.5V	Closed	Closed	Closed	Closed	Closed	Closed

CPU VOLTAGE SELECTION (DUAL)

V I/O	V core	JP1	JP5	JP7/1 & 2	JP7/3 & 4	JP7/5 & 6	JP7/7 & 8
3.3V	2.2V	Open	Open	Open	Closed	Open	Open
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	Closed	Open	Closed	Closed