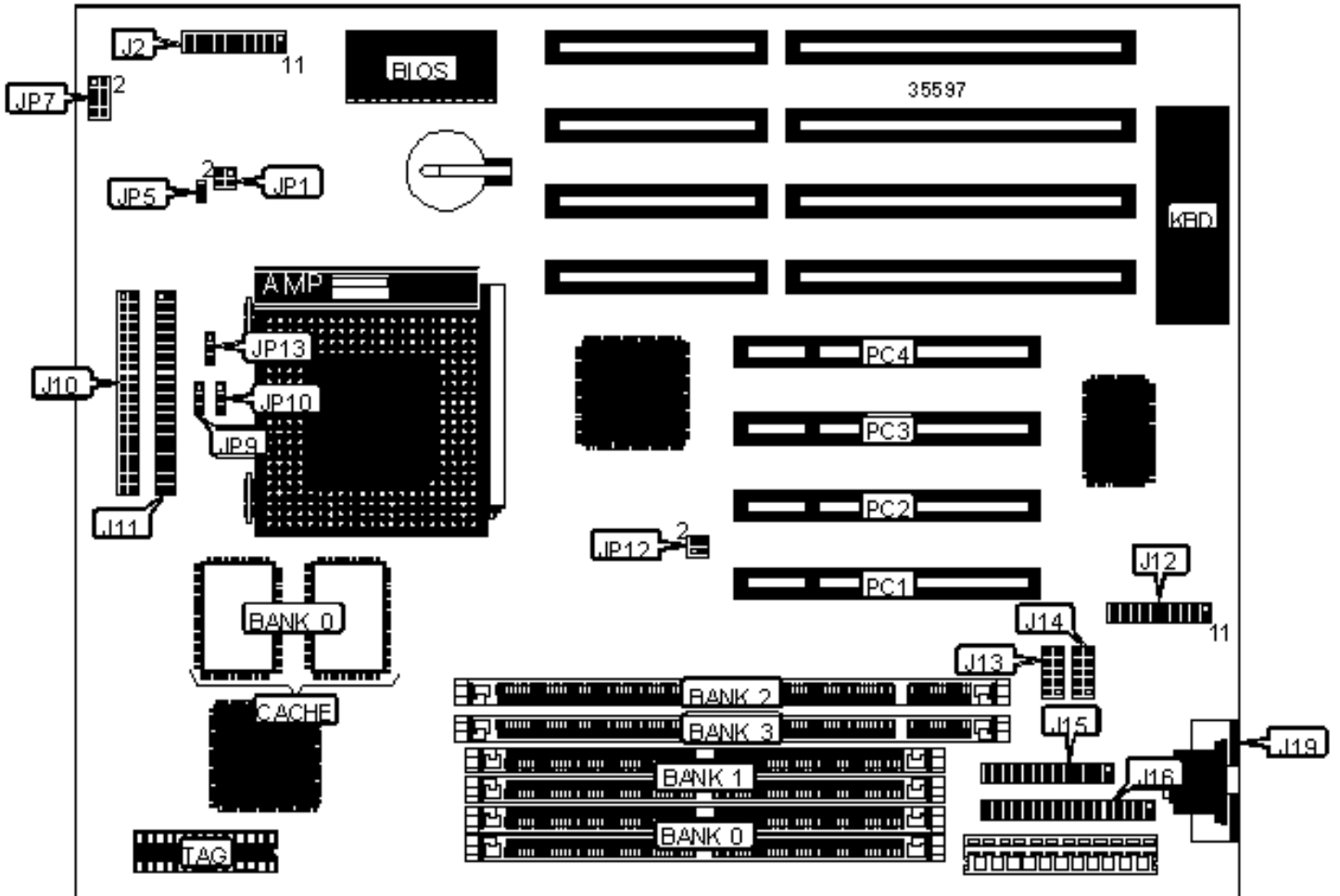


GEMLIGHT COMPUTER, LTD.

GMB-P57IPS (VER. 3.05)

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

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
32MB	(2) 4M x 32	None
32MB	(2) 2M x 32	(2) 2M x 32
40MB	(2) 4M x 32	(2) 1M x 32
48MB	(2) 4M x 32	(2) 2M 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
80MB	(2) 8M x 32	(2) 2M x 32

96MB	(2) 8M x 32	(2) 4M x 32
128MB	(2) 8M x 32	(2) 8M x 32
128MB	(2) 16M x 32	None
136MB	(2) 16M x 32	(2) 1M x 32
144MB	(2) 16M x 32	(2) 2M x 32
160MB	(2) 16M x 32	(2) 4M x 32
192MB	(2) 16M x 32	(2) 8M x 32
256MB	(2) 16M x 32	(2) 16M x 32
Note: Board accepts EDO memory.		

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

CACHE CONFIGURATION

Size	Bank 0	TAG
256KB	(2) 32K x 32	(1) 8K/16K x 8
512KB	(2) 64K x 32	(1) 16K x 8

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2
166MHz	66MHz	2.5x	2 & 3	1 & 2	Open	1 & 2
200MHz	66MHz	3x	2 & 3	1 & 2	3 & 4	1 & 2

Note: Pins designated should be 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	75MHz	2x	2 & 3	1 & 2	3 & 4	1 & 2
200MHz	66MHz	2.5x	2 & 3	2 & 3	Open	1 & 2
233MHz	75MHz	2.5x	2 & 3	2 & 3	3 & 4	1 & 2
233MHz	66MHz	3x	1 & 2	2 & 3	Open	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86M II)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
300MHz	75MHz	3x	1 & 2	2 & 3	3 & 4	1 & 2
300MHz	66MHz	3.5x	1 & 2	1 & 2	Open	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IDT C6)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
180MHz	60MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2
133MHz	66MHz	2x	2 & 3	1 & 2	Open	1 & 2
166MHz	66MHz	2.5x	2 & 3	2 & 3	Open	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM 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	1 & 2	Open
300MHz	66MHz	4.5x	2 & 3	2 & 3	2 & 3	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6-2)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12	JP13
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266MHz	66MHz	4x	2 & 3	1 & 2	2 & 3	Open
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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
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

Note: Pins designated should be 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 should be in the closed position.

CPU VOLTAGE SELECTION (SINGLE)

Voltage	JP1	JP5	JP7
3.3v	1 & 2, 3 & 4	Closed	3 & 4, 5 & 6, 7 & 8
3.5v	1 & 2, 3 & 4	Closed	1 & 2, 3 & 4, 5 & 6, 7 & 8

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (DUAL)

Voltage	V core	JP1	JP5	JP7
3.3v	2.2v	Open	Open	3 & 4
3.3v	2.8v	Open	Open	7 & 8
3.3v	2.9v	Open	Open	1 & 2, 7 & 8
3.3v	3.2v	Open	Open	1 & 2, 5 & 6, 7 & 8

Note: Pins designated should be in the closed position.