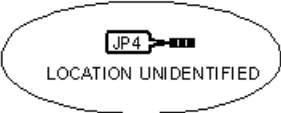
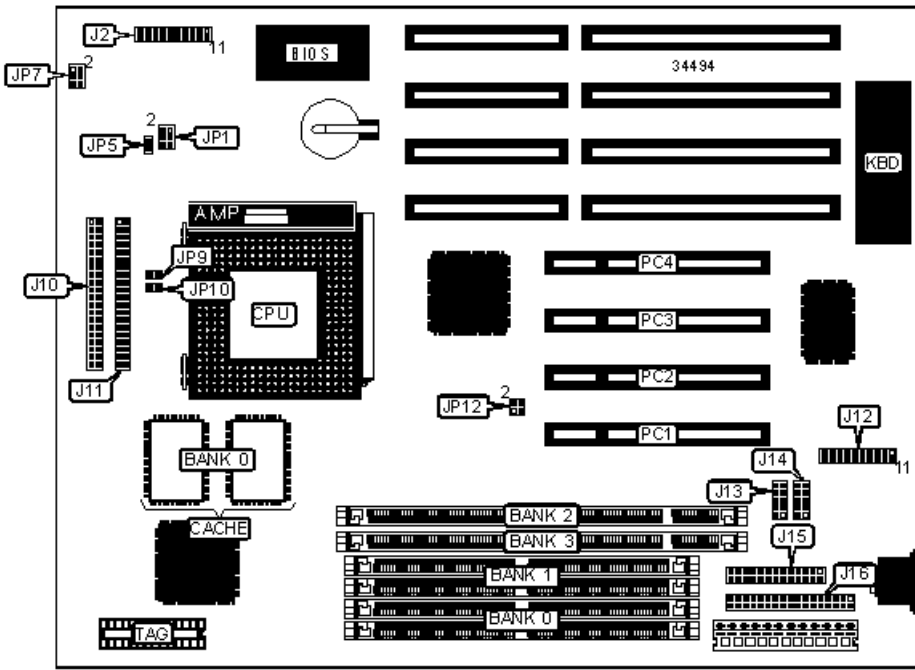


GEMLIGHT COMPUTER, LTD.

GMB-P57IPS (VER. 2.01)

Processor	CX 6X86/AM K5/AM K6/Pentium
Processor Speed	90/100/120/133/150/166/200/233MHz
Chip Set	Intel
Video Chip Set	None
Maximum Onboard Memory	256MB (EDO supported)
Maximum Video Memory	None
Cache	256/512KB
BIOS	Award
Dimensions	260mm x 220mm
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), IR connector, USB connectors (2)
NPU Options	None



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 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 2 - 5		

USER CONFIGURABLE SETTINGS

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

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 6X86)

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

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12
90MHz	60MHz	1.5x	Open	Open	1 & 2
100MHz	66MHz	1.5x	Open	Open	Open
120MHz	60MHz	2x	Open	Open	1 & 2
133MHz	66MHz	2x	Closed	Open	Open
150MHz	60MHz	2.5x	Open	Open	Open
166MHz	66MHz	2.5x	Closed	Closed	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12
166MHz	66MHz	2.5x	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Open	Open

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	JP9	JP10	JP12
90MHz	60MHz	1.5x	Open	Open	1 & 2
100MHz	66MHz	1.5x	Open	Open	Open
120MHz	60MHz	2x	Closed	Open	1 & 2
133MHz	66MHz	2x	Closed	Open	Open
150MHz	60MHz	2.5x	Closed	Closed	1 & 2
166MHz	66MHz	2.5x	Closed	Closed	Open
200MHz	66MHz	3x	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Open	Open

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (SINGLE)

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

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (DUAL)

Voltage	V core	JP1	JP5	JP7
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3.3v	2.8v	Open	Closed	Open
3.3v	2.9v	Open	Closed	1 & 2
3.3v	3.2v	Open	Closed	1 & 2, 5 & 6

Note: Pins designated should be in the closed position.