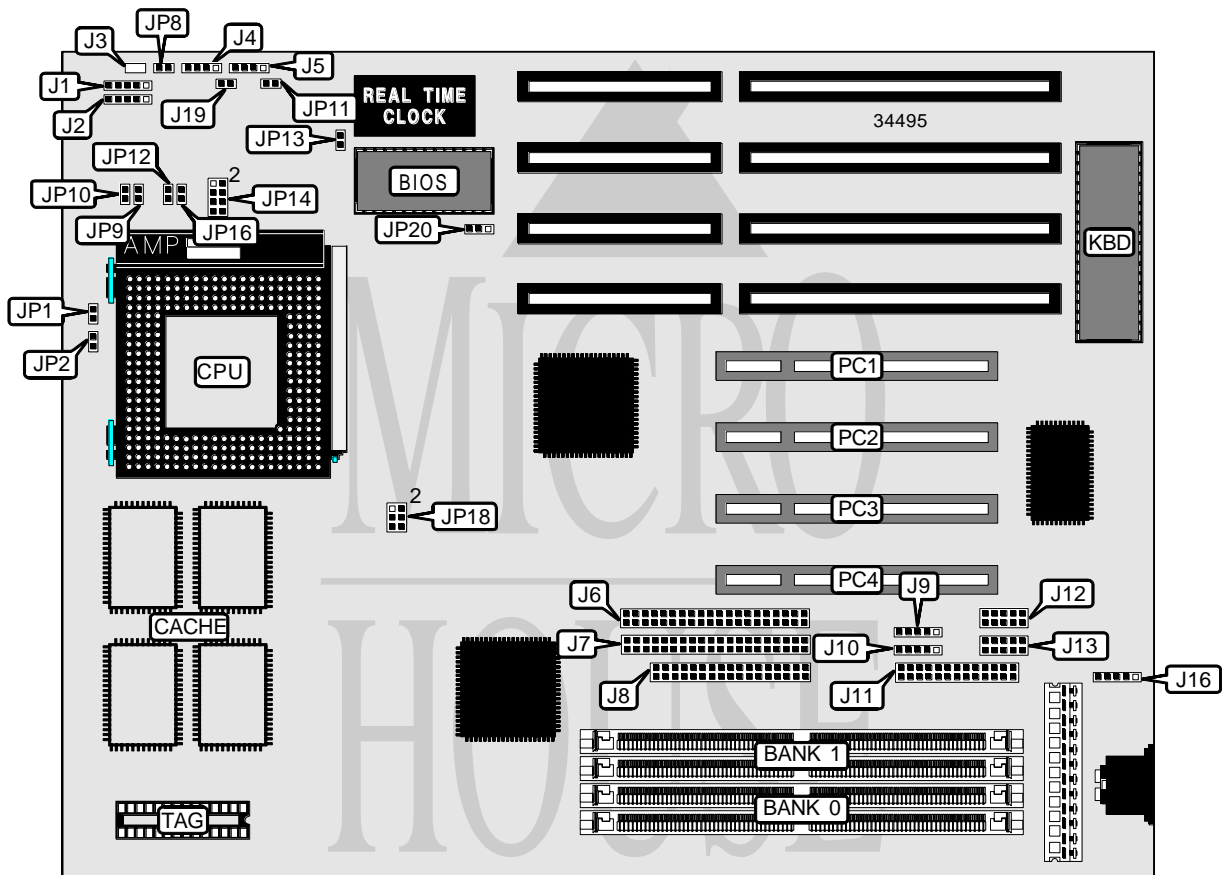


# GEMLIGHT COMPUTER, LTD.

## GMB-P55IPS (VER. 1.52)

<b>Processor</b>	CX M1/AM K5/AM K6/Pentium
<b>Processor Speed</b>	75/90/100/120/133/150/166/200/233MHz
<b>Chip Set</b>	Intel
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	256MB (EDO supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	256/512B
<b>BIOS</b>	Award
<b>Dimensions</b>	265mm x 220mm
<b>I/O Options</b>	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)
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
IR connector	J1	Parallel port	J11
Power LED & keylock	J2	Serial port 2	J12
Speaker	J4	Serial port 1	J13
IDE interface LED	J5	PS/2 mouse interface	J16
IDE interface 1	J6	Turbo LED	J19
IDE interface 2	J7	Green PC connector	JP8
Floppy drive interface	J8	Reset switch	JP11
USB connector 1	J9	32-bit PCI slots	PC1 – PC4
USB connector 2	J10		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
Factory configured - do not alter	J3	Unidentified
CMOS memory normal operation	JP13	Open
CMOS memory clear	JP13	Closed
Flash BIOS voltage select 12v	JP20	Pins 1 & 2 closed
Flash BIOS voltage select 5v	JP20	Pins 2 & 3 closed

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36

Note: Board accepts EDO memory. Board also accepts x 32 SIMMs.

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CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
256KB	(2) 32K x 32	None	(1) 8K x 8
512KB	(2) 32K x 32	(2) 32K x 32	(1) 16K/32K x 8
512KB	(2) 64K x 32	None	(1) 16K/32K x 8

Note: The location of banks 0 & 1 is unidentified.

CPU SPEED SELECTION (CYRIX)					
CPU speed	Clock speed	Multiplier	JP1	JP2	JP18
120MHz	50MHz	2x	Closed	Open	1 & 2, 3 & 4
133MHz	55MHz	2x	Closed	Open	Open
150MHz	60MHz	2x	Closed	Open	3 & 4
166MHz	66MHz	2x	Closed	Open	1 & 2
200MHz	75MHz	2x	Closed	Open	5 & 6

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)					
CPU speed	Clock speed	Multiplier	JP1	JP2	JP18
75MHz	50MHz	1.5x	Open	Open	1 & 2, 3 & 4
90MHz	60MHz	1.5x	Open	Open	3 & 4
100MHz	66MHz	1.5x	Open	Open	1 & 2
120MHz	60MHz	1.5x	Open	Open	3 & 4
133MHz	66MHz	2x	Closed	Open	1 & 2
150MHz	60MHz	1.5x	Open	Open	1 & 2
166MHz	66MHz	2.5x	Closed	Closed	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)					
CPU speed	Clock speed	Multiplier	JP1	JP2	JP18
166MHz	66MHz	2.5x	Closed	Closed	1 & 2
200MHz	66MHz	3x	Open	Closed	1 & 2
233MHz	66MHz	3.5x	Open	Open	1 & 2

Note: Pins designated should be in the closed position.

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CPU SPEED SELECTION (INTEL)					
CPU speed	Clock speed	Multiplier	JP1	JP2	JP18
75MHz	50MHz	1.5x	Open	Open	1 & 2, 3 & 4
90MHz	60MHz	1.5x	Open	Open	3 & 4
100MHz	66MHz	1.5x	Open	Open	1 & 2
120MHz	60MHz	2x	Closed	Open	3 & 4
133MHz	66MHz	2x	Closed	Open	1 & 2
150MHz	60MHz	2.5x	Closed	Closed	3 & 4
166MHz	66MHz	2.5x	Closed	Closed	1 & 2
200MHz	66MHz	3x	Open	Closed	1 & 2
233MHz	66MHz	3.5x	Open	Open	1 & 2

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (SINGLE)					
Voltage	JP9	JP10	JP12	JP14	JP16
3.3v	Open	Closed	Open	1 & 2, 3 & 4, 5 & 6, 7 & 8	Open
3.5v	Closed	Open	Open	1 & 2, 3 & 4, 5 & 6, 7 & 8	Open

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (DUAL)						
Voltage	V core	JP9	JP10	JP12	JP14	JP16
3.3v	2.8v	Open	Closed	Closed	Open	Open
3.3v	2.9v	Open	Closed	Open	Open	Closed
3.3v	3.2v	Open	Closed	Open	Open	Open