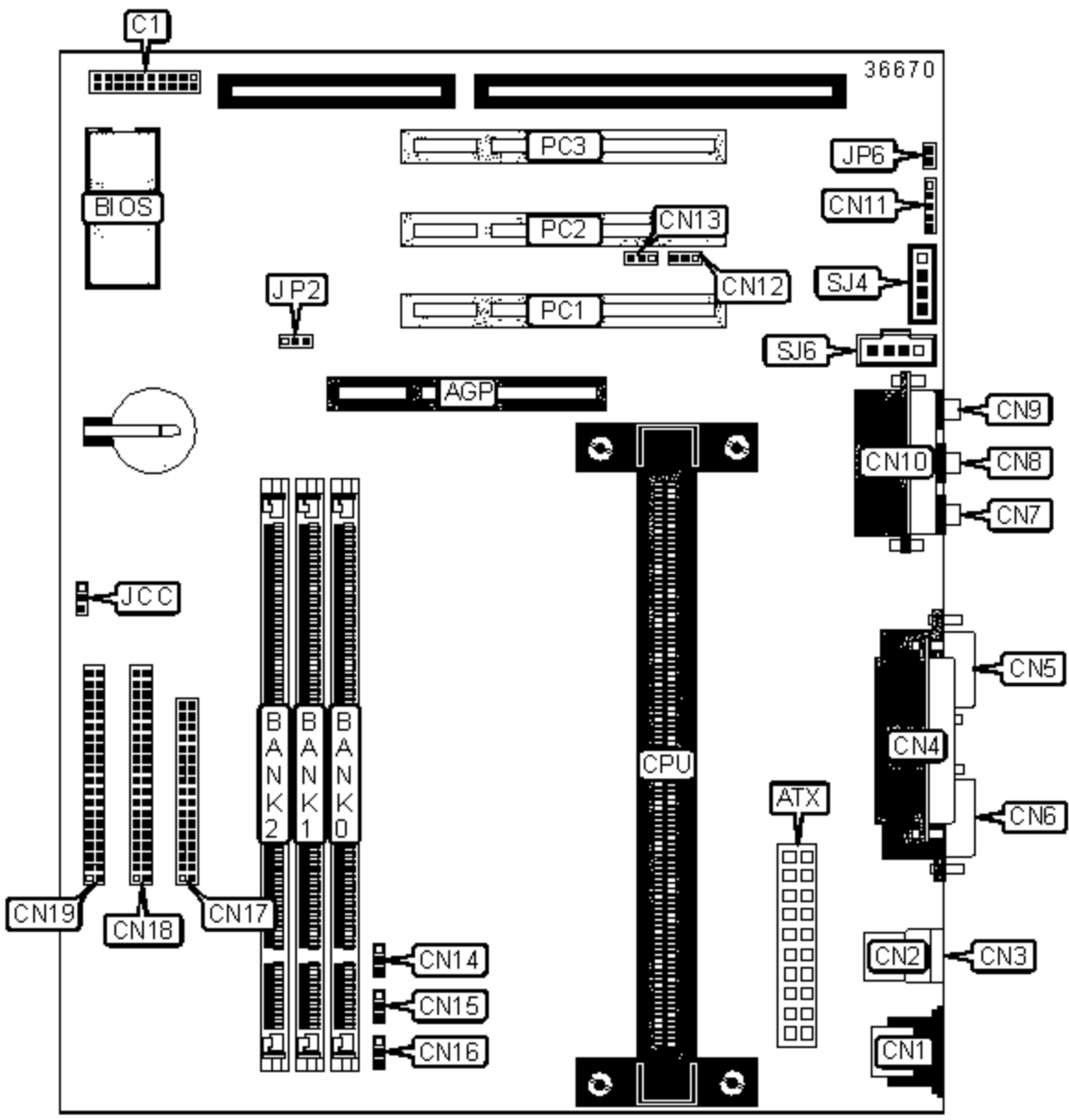


# GEMLIGHT COMPUTER LTD.

## GMB-P6BIMG (VER. 1.0)

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium II
<b>Processor Speed</b>	233/266/300/333/350/400/450MHz
<b>Chip Set</b>	Intel 440BX
<b>Audio Chip Set</b>	Yamaha
<b>Maximum Onboard Memory</b>	768MB (SDRAM supported)
<b>Maximum Audio Memory</b>	Unidentified
<b>Cache</b>	256/512KB (located on the Pentium II CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	244mm x 188mm
<b>I/O Options</b>	32-bit PCI slots (3), floppy drive interface, game port, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB ports (2), ATX power connector, AGP slot, line in, line out, microphone in, audio in - CD-ROMs (2), Wake-on-LAN connector, Wake-on-Modem connector



### CONNECTIONS

Purpose	Location	Purpose	Location

AGP slot	AGP	Line in	CN8
ATX power connector	ATX	Microphone in	CN9
IDE interface LED	C1/Pins 1 & 3	Game port	CN10
Reset switch	C1/Pins 5 & 7	IR connector	CN11
PC speaker	C1/Pins 9, 11, 13 & 15	Wake-on-LAN connector	CN12
Power switch	C1/Pins 17 & 19	Wake-on-Modem connector	CN13
Green PC switch	C1/Pins 18 & 20	Chassis fan power	CN14
Green PC LED	C1/Pins 12, 14 & 16	Bake fan power	CN15
Power LED & Keylock	C1/Pins 2, 4, 6, 8 & 10	CPU fan power	CN16
PS/2 mouse port	CN1	Floppy drive interface	CN17
USB port 2	CN2	IDE interface 2	CN18
USB port 1	CN3	IDE interface 1	CN19
Parallel port	CN4	Audio in - CD-ROM (Mitsumi/Panasonic)	SJ4
Serial port 1	CN5	Audio in - CD-ROM (Sony)	SJ6
Serial port 2	CN6	32-bit PCI slots	PC1 - PC3
Line out	CN7		

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JCC	Pins 2 & 3 closed
	CMOS memory clear	JCC	Pins 1 & 2 closed
	CPU speed selection in setup disabled	JP2	Pins 1 & 2 closed
	CPU speed selection in setup enabled	JP2	Pins 2 & 3 closed

### DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
16MB	(1) 2M x 64	None	None

16MB	None	(1) 2M x 64	None
16MB	None	None	(1) 2M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
32MB	(1) 4M x 64	None	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64

Note: Board supports EDO & SDRAM memory.

## CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPUs.