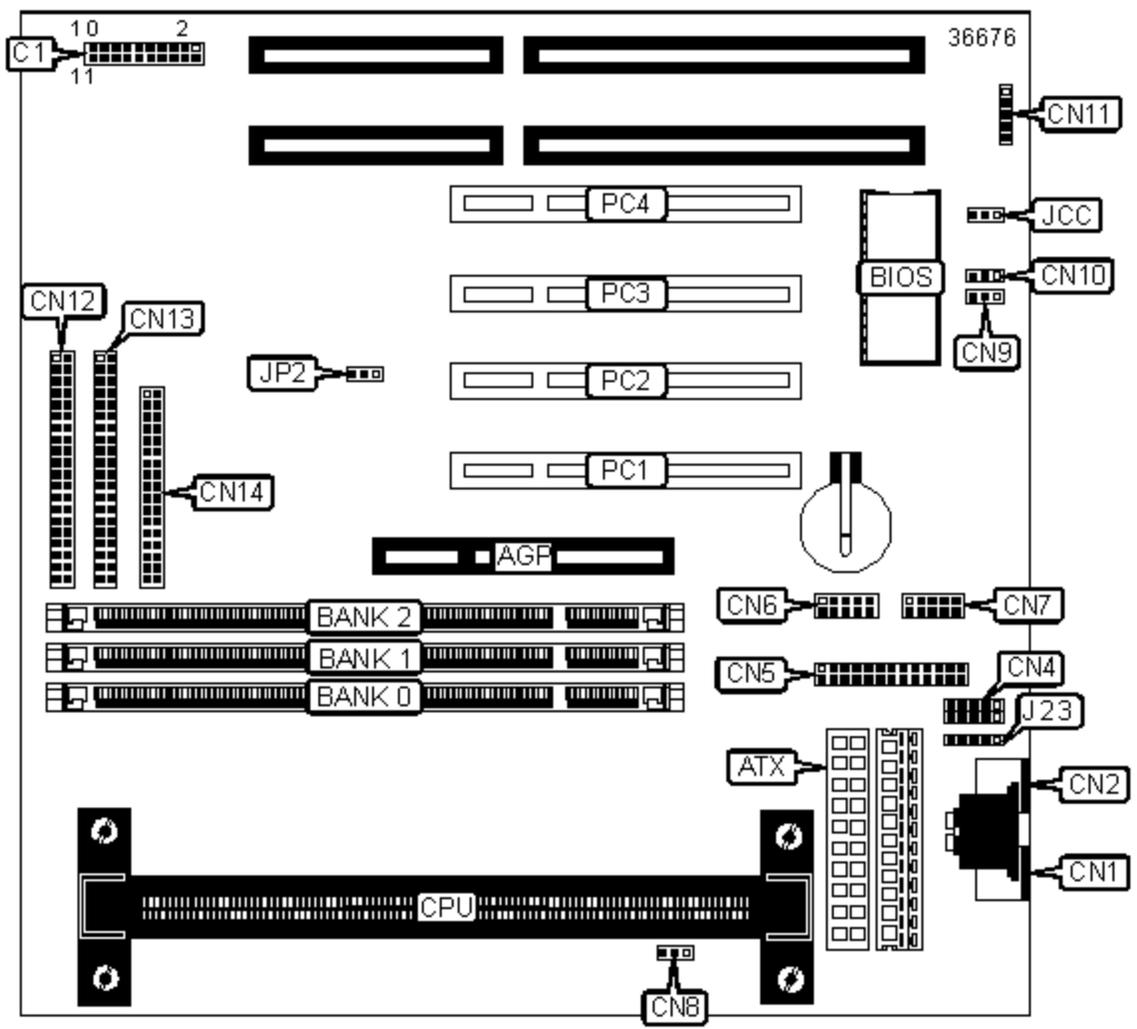


# GEMLIGHT COMPUTER LTD.

## GMB-6290 (VER. 1.00)

<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>	VIA
<b>Maximum Onboard Memory</b>	768MB (SDRAM supported)
<b>Cache</b>	256/512KB (located on the Pentium II CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	220mm x 200mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 mouse interface, serial interfaces (2), IR connector, USB interface, ATX power connector, AGP slot, Wake-on-LAN connector, Wake-on-Modem connector



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Parallel port	CN5
ATX power connector	ATX	Serial interface 1	CN6
IDE interface LED	C1/Pins 1 & 2	Serial interface 2	CN7

Reset switch	C1/Pins 3 & 4	CPU fan power	CN8
PC speaker	C1/Pins 5 - 8	Wake-on-LAN connector	CN9
Power switch	C1/Pins 9 & 10	Wake-on-Modem connector	CN10
Green PC switch	C1/Pins 11 & 12	IR connector	CN11
Green PC LED	C1/Pins 13 - 15	IDE interface 1	CN12
Power LED & Keylock	C1/Pins 16 - 20	IDE interface 2	CN13
PS/2 keyboard port	CN1	Floppy drive interface	CN14
PS/2 mouse port	CN2	PS/2 mouse interface	J23
USB interface	CN4	32-bit PCI slots	PC1 - PC4

### 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 enabled	JP2	Pins 2 & 3 closed
	CPU speed selection in setup disabled	JP2	Pins 1 & 2 closed

### DIMM CONFIGURATION

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

### CACHE CONFIGURATION

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