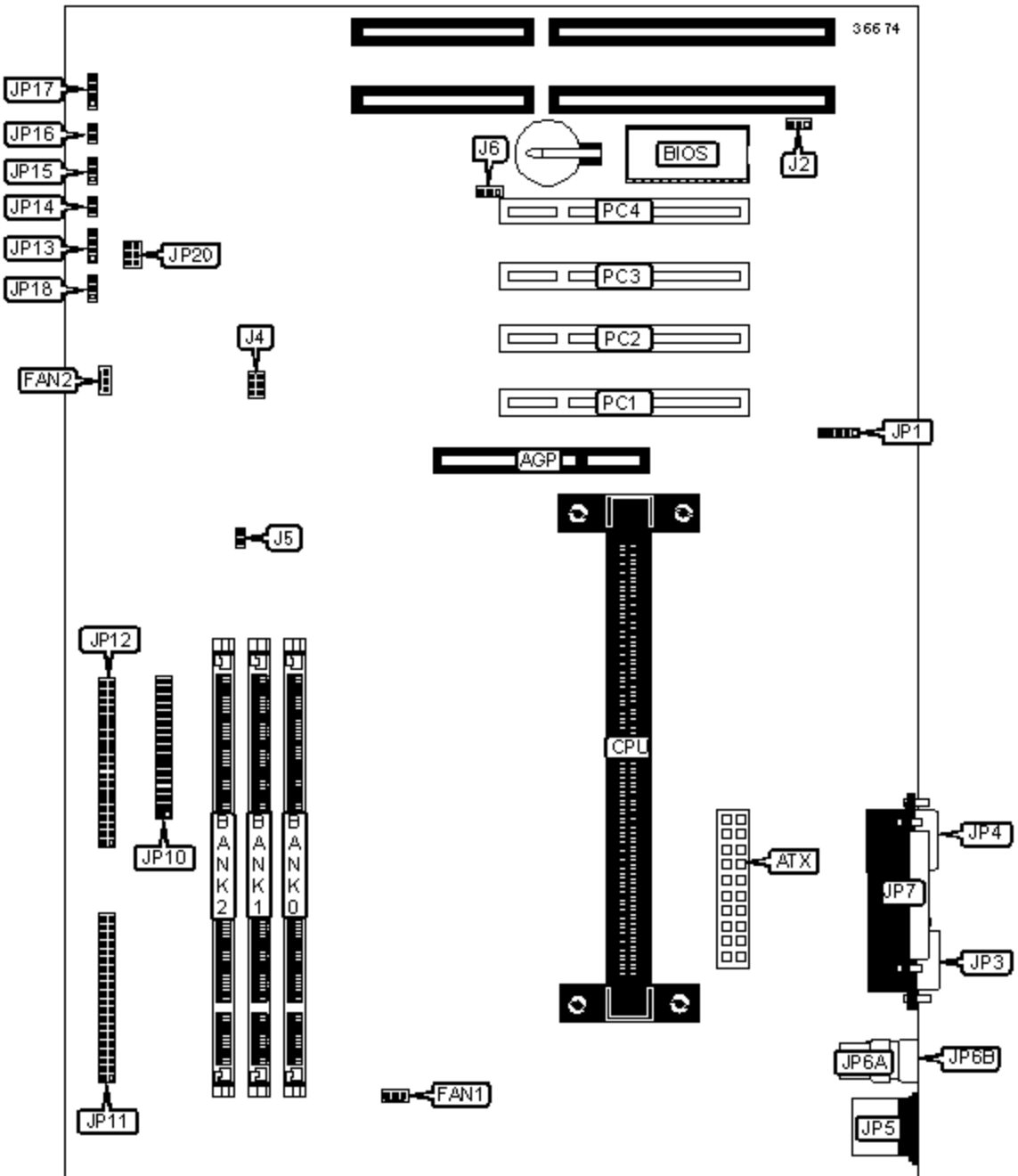


# GEMLIGHT COMPUTER LTD.

## GMB-P6BIAK (VER. 3.10)

<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>Maximum Onboard Memory</b>	768MB (EDO & SDRAM supported)
<b>BIOS</b>	Award
<b>Cache</b>	256/512KB (located on the Pentium II CPU)
<b>Dimensions</b>	305mm x 180mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), USB ports (2), IR connector, Wake-on-LAN connector, SB-link connector, ATX power connector, AGP slot



### CONNECTIONS

Purpose	Location	Purpose	Location

AGP slot	AGP	Floppy drive interface	JP10
ATX power connector	ATX	IDE interface 2	JP11
CPU fan power	FAN1	IDE interface 1	JP12
System fan power	FAN2	IDE interface LED	JP13
IR connector	JP1	Power switch	JP14
Serial port 1	JP3	Power LED	JP15
Serial port 2	JP4	Reset switch	JP16
PS/2 mouse port	JP5	PC speaker	JP17
USB port 1	JP6A	Wake-on-LAN connector	JP18
USB port 2	JP6B	SB-link connector	JP20
Parallel port	JP7	32-bit PCI slots	PC1 - PC4

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Flash BIOS voltage select 5v	J2	Pins 1 & 2 closed
	Flash BIOS voltage select 12v	J2	Pins 2 & 3 closed
	Bus Frequency set to auto detect	J5	Closed
	Bus Frequency set to 100MHz	J5	Open
»	CMOS memory normal operation	J6	Pins 1 & 2 closed
	CMOS memory clear	J6	Pins 2 & 3 closed

### DRAM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1MB x 64	None	None
16MB	(1) 1MB x 64	(1) 1MB x 64	None
16MB	(1) 2MB x 64	None	None
24MB	(1) 1MB x 64	(1) 1MB x 64	(1) 1MB x 64

24MB	(1) 2MB x 64	(1) 1MB x 64	None
32MB	(1) 2MB x 64	(1) 2MB x 64	None
32MB	(1) 4MB x 64	None	None
32MB	(1) 2MB x 64	(1) 1MB x 64	(1) 1MB x 64
48MB	(1) 2MB x 64	(1) 2MB x 64	(1) 2MB x 64
48MB	(1) 4MB x 64	(1) 2MB x 64	None
64MB	(1) 4MB x 64	(1) 4MB x 64	None
64MB	(1) 8MB x 64	None	None
64MB	(1) 4MB x 64	(1) 2MB x 64	(1) 2MB x 64
96MB	(1) 4MB x 64	(1) 4MB x 64	(1) 4MB x 64
96MB	(1) 8MB x 64	(1) 4MB x 64	None
128MB	(1) 8MB x 64	(1) 8MB x 64	None
128MB	(1) 16MB x 64	None	None
128MB	(1) 8MB x 64	(1) 4MB x 64	(1) 4MB x 64
192MB	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64
192MB	(1) 16MB x 64	(1) 8MB x 64	None
256MB	(1) 16MB x 64	(1) 16MB x 64	None
256MB	(1) 32MB x 64	None	None
256MB	(1) 16MB x 64	(1) 8MB x 64	(1) 8MB x 64
384MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64
384MB	(1) 32MB x 64	(1) 16MB x 64	None
512MB	(1) 32MB x 64	(1) 32MB x 64	None
512MB	(1) 32MB x 64	(1) 16MB x 64	(1) 16MB x 64
768MB	(1) 32MB x 64	(1) 32MB x 64	(1) 32MB x 64

### CPU SPEED SELECTION (PENTIUM)

CPU Speed	Clock Speed	Multiplier	J4/pins 1 & 2	J4/pins 3 & 4	J4/pins 5 & 6
233MHz	66MHz	3.5x	Open	Open	Closed

266MHz	66MHz	4x	Closed	Closed	Open
300MHz	66MHz	4.5x	Open	Closed	Open
333MHz	66MHz	5x	Closed	Open	Open
350MHz	100MHz	3.5x	Open	Open	Closed
400MHz	100MHz	4.0x	Closed	Closed	Open
450MHz	100MHz	4.5x	Open	Closed	Open

**CPU SPEED SELECTION (CELERON)**

<b>CPU Speed</b>	<b>Clock Speed</b>	<b>Multiplier</b>	<b>J4/pins 1 &amp; 2</b>	<b>J4/pins 3 &amp; 4</b>	<b>J4/pins 5 &amp; 6</b>
266MHz	66MHz	4x	Closed	Closed	Open
300MHz	66MHz	4.5x	Open	Closed	Open
333MHz	66MHz	5x	Closed	Open	Open
366MHz	66MHz	5.5x	Open	Open	Open
400MHz	100MHz	4.0x	Closed	Closed	Open
450MHz	100MHz	4.5x	Open	Closed	Open