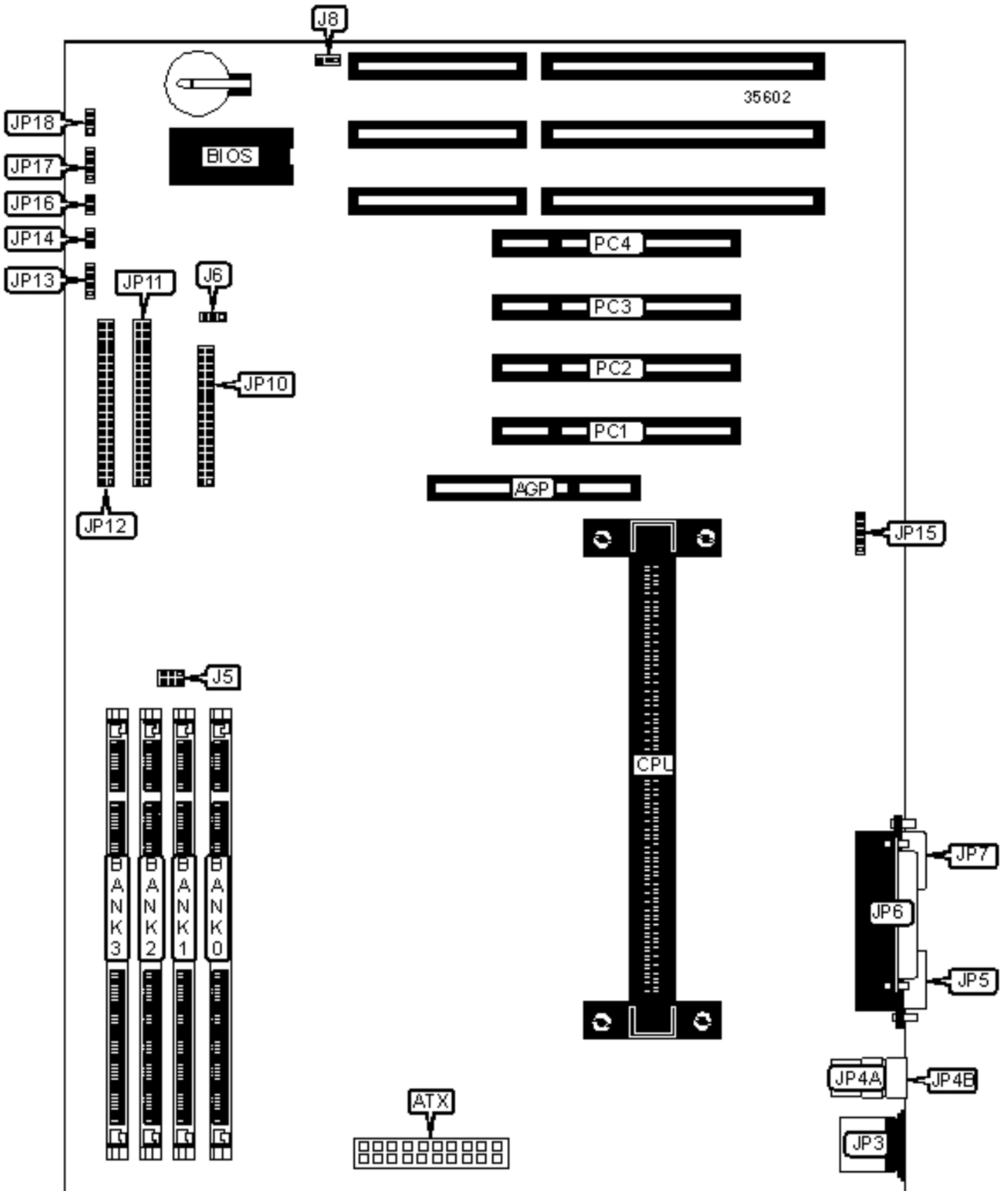


GEMLIGHT COMPUTER, LTD.

GMB-P6LIAK (VER. 1.06)

Configuration



## CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	IDE interface 2	JP12
PS/2 mouse port	JP3	IDE interface LED	JP13
USB connector 1	JP4A	Power switch	JP14
USB connector 2	JP4B	IR connector	JP15
Serial port 1	JP5	Reset switch	JP16
Parallel port	JP6	Speaker	JP17
Serial port 2	JP7	Power LED	JP18
Floppy drive interface	JP10	32-bit PCI slots	PC1 - PC4
IDE interface 1	JP11		

## USER CONFIGURABLE SETTINGS

Function	Label	Position
» CMOS memory normal operation	J6	Pins 1 & 2 closed
CMOS memory clear	J6	Pins 2 & 3 closed
» Flash BIOS voltage select 5v	J8	Pins 1 & 2 closed
Flash BIOS voltage select 12v	J8	Pins 2 & 3 closed

## DRAM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
8MB	(1) 1MB x 64	None	None	None
16MB	(1) 1MB x 64	(1) 1MB x 64	None	None
16MB	(1) 2MB x 64	None	None	None
24MB	(1) 1MB x 64	(1) 1MB x 64	(1) 1MB x 64	None
24MB	(1) 2MB x 64	(1) 1MB x 64	None	None

32MB	(1) 1MB x 64	(1) 1MB x 64	(1) 1MB x 64	(1) 1MB x 64
32MB	(1) 2MB x 64	(1) 2MB x 64	None	None
32MB	(1) 4MB x 64	None	None	None
32MB	(1) 2MB x 64	(1) 1MB x 64	(1) 1MB x 64	None
48MB	(1) 2MB x 64	(1) 2MB x 64	(1) 2MB x 64	None
48MB	(1) 4MB x 64	(1) 2MB x 64	None	None
64MB	(1) 2MB x 64	(1) 2MB x 64	(1) 2MB x 64	(1) 2MB x 64
64MB	(1) 4MB x 64	(1) 4MB x 64	None	None
64MB	(1) 8MB x 64	None	None	None
64MB	(1) 4MB x 64	(1) 2MB x 64	(1) 2MB x 64	None
96MB	(1) 4MB x 64	(1) 4MB x 64	(1) 4MB x 64	None
96MB	(1) 8MB x 64	(1) 4MB x 64	None	None
120MB	(1) 8MB x 64	(1) 4MB x 64	(1) 2MB x 64	(1) 1MB x 64
128MB	(1) 4MB x 64	(1) 4MB x 64	(1) 4MB x 64	(1) 4MB x 64
128MB	(1) 8MB x 64	(1) 8MB x 64	None	None
128MB	(1) 16MB x 64	None	None	None
128MB	(1) 8MB x 64	(1) 4MB x 64	(1) 4MB x 64	None
192MB	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64	None
192MB	(1) 16MB x 64	(1) 8MB x 64	None	None

**DRAM CONFIGURATION (CONT.)**

Size	Bank 0	Bank 1	Bank 2	Bank 3
240MB	(1) 16MB x 64	(1) 8MB x 64	(1) 4MB x 64	(1) 2MB x 64
256MB	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64
256MB	(1) 16MB x 64	(1) 16MB x 64	None	None
256MB	(1) 32MB x 64	None	None	None

256MB	(1) 16MB x 64	(1) 8MB x 64	(1) 8MB x 64	None
384MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64	None
384MB	(1) 32MB x 64	(1) 16MB x 64	None	None
448MB	(1) 32MB x 64	(1) 16MB x 64	(1) 8MB x 64	(1) 4MB x 64
512MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64

### CACHE CONFIGURATION

128KB cache is located on the Celeron 300A & 333 CPU. The 256/512KB cache is located on the Pentium II CPU.

### CPU SPEED SELECTION

CPU Speed	Clock Speed	Mutliplier	JP5/pins 1 & 2	JP5/pins 3 & 4	JP5/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
366MHz	66MHz	5.5x	Open	Open	Open