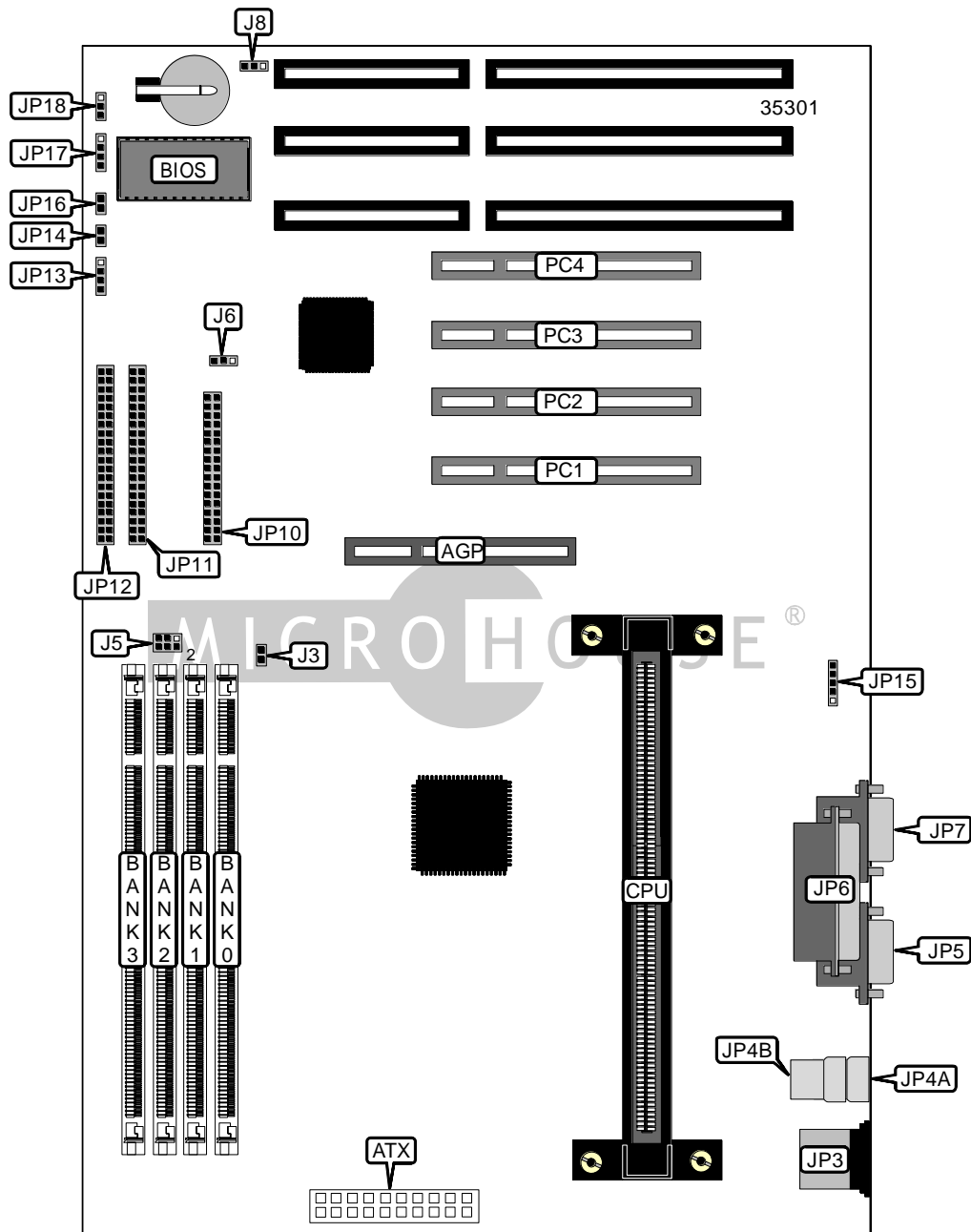


GEMLIGHT COMPUTERS, LTD.

GMB-P6LIAK (VER. 1.00)

Device Type	Mainboard
Processor	Pentium II
Processor Speed	233/266/300MHz
Chip Set	Intel 440LX
Maximum Onboard Memory	512MB (EDO & SDRAM supported)
Cache	512KB (located on the Pentium II CPU)
BIOS	Award
Dimensions	305mm x 217mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), AGP slot, ATX power connector



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CONNECTIONS			
Purpose	Location	Purpose	Location
AGP slot	AGP	IDE interface 2	JP11
ATX power connector	ATX	IDE interface 1	JP12
PS/2 mouse port	JP3	IDE interface LED	JP13
USB port 1	JP4A	Power switch	JP14
USB port 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

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í CMOS memory normal operation	J6	Pins 1 & 2 closed
CMOS memory clear	J6	Pins 2 & 3 closed
Flash BIOS voltage select 12v	J8	Pins 2 & 3 closed
Flash BIOS voltage select 5v	J8	Pins 1 & 2 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
40MB	(1) 2MB x 64	(1) 2MB x 64	(1) 1MB x 64	None
40MB	(1) 4MB x 64	(1) 1MB x 64	None	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
56MB	(1) 2MB x 64	(1) 2MB x 64	(1) 2MB x 64	(1) 1MB x 64
56MB	(1) 4MB x 64	(1) 2MB x 64	(1) 1MB x 64	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
72MB	(1) 4MB x 64	(1) 4MB x 64	(1) 1MB x 64	None
72MB	(1) 8MB x 64	(1) 1MB x 64	None	None
80MB	(1) 4MB x 64	(1) 4MB x 64	(1) 2MB x 64	None
80MB	(1) 8MB x 64	(1) 2MB x 64	None	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

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DRAM CONFIGURATION (CONT.)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
104MB	(1) 4MB x 64	(1) 4MB x 64	(1) 4MB x 64	(1) 1MB x 64
104MB	(1) 8MB x 64	(1) 4MB x 64	(1) 1MB x 64	None
112MB	(1) 4MB x 64	(1) 4MB x 64	(1) 4MB x 64	(1) 2MB x 64
112MB	(1) 8MB x 64	(1) 4MB x 64	(1) 2MB x 64	None
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
136MB	(1) 8MB x 64	(1) 8MB x 64	(1) 1MB x 64	None
136MB	(1) 16MB x 64	(1) 1MB x 64	None	None
144MB	(1) 8MB x 64	(1) 8MB x 64	(1) 2MB x 64	None
144MB	(1) 16MB x 64	(1) 2MB x 64	None	None
160MB	(1) 8MB x 64	(1) 8MB x 64	(1) 4MB x 64	None
160MB	(1) 16MB x 64	(1) 4MB x 64	None	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
200MB	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64	(1) 1MB x 64
200MB	(1) 16MB x 64	(1) 8MB x 64	(1) 1MB x 64	None
208MB	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64	(1) 2MB x 64
208MB	(1) 16MB x 64	(1) 8MB x 64	(1) 2MB x 64	None
224MB	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64	(1) 4MB x 64
224MB	(1) 16MB x 64	(1) 8MB x 64	(1) 4MB x 64	None
256MB	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64	(1) 8MB x 64
256MB	(1) 16MB x 64	(1) 8MB x 64	(1) 8MB x 64	None
256MB	(1) 16MB x 64	(1) 16MB x 64	None	None
264MB	(1) 16MB x 64	(1) 16MB x 64	(1) 1MB x 64	None
272MB	(1) 16MB x 64	(1) 16MB x 64	(1) 2MB x 64	None
288MB	(1) 16MB x 64	(1) 16MB x 64	(1) 4MB x 64	None
320MB	(1) 16MB x 64	(1) 16MB x 64	(1) 8MB x 64	None
384MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64	None
392MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64	(1) 1MB x 64
400MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64	(1) 2MB x 64
416MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64	(1) 4MB x 64
448MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64	(1) 8MB x 64
512MB	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64	(1) 16MB x 64

Note: Board accepts EDO and SDRAM.

CPU SPEED SELECTION				
Speed	Clock speed	Multiplier	J3	J5
233MHz	66MHz	3.5x	Closed	5 & 6
266MHz	66MHz	4x	Closed	1 & 2, 3 & 4
300MHz	66MHz	4.5x	Closed	3 & 4

Note: Designated pins should be in the closed position.