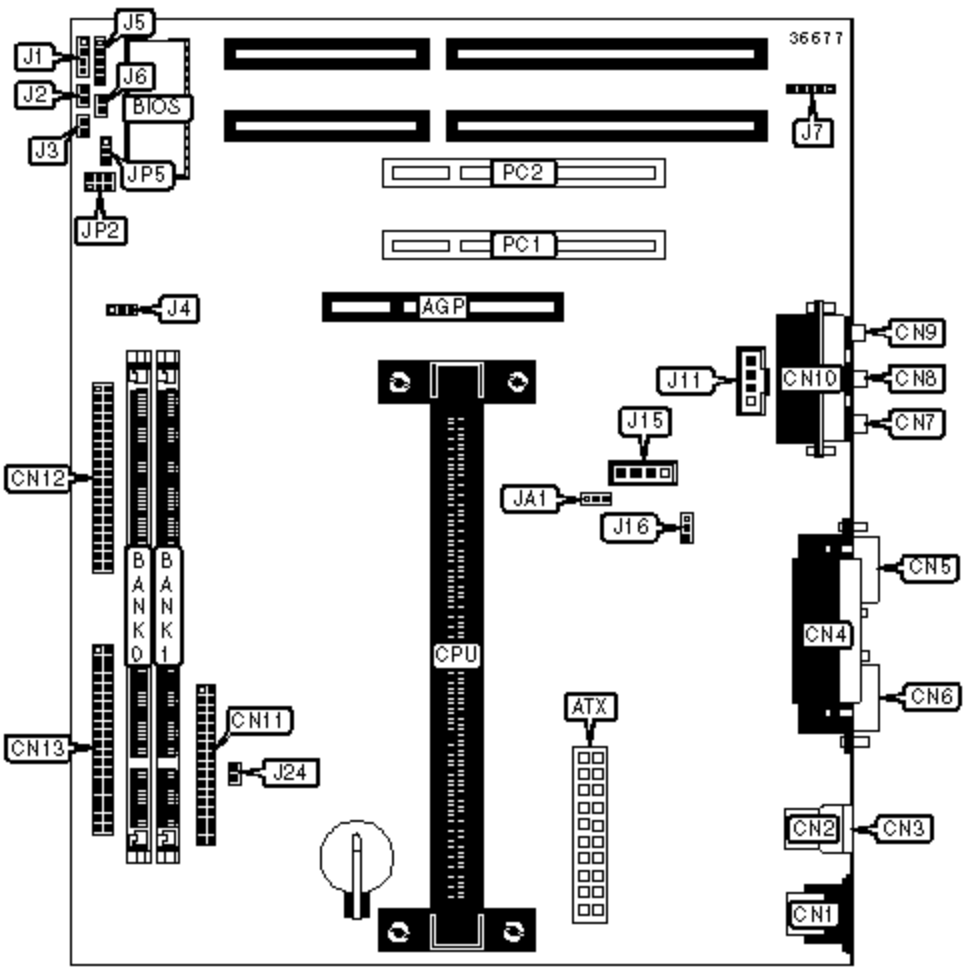


GEMLIGHT COMPUTER LTD.

GMB-P6EIMG (VER. 1.10)

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	233/266/300/300A/333/366MHz
Chip Set	Intel 440EX
Audio Chip Set	ESS
Maximum Onboard Memory	512MB (EDO & SDRAM supported)
Cache	128/256/512KB (located on the CPU)
BIOS	Award
Dimensions	244mm x 200mm
I/O Options	32-bit PCI slots (2), floppy drive interface, game/MIDI port, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB ports (2), ATX power connector, AGP slot, line in, speaker out, microphone in, audio in - CD-ROMs (2)



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	IDE interface 2	CN12
ATX power connector	ATX	IDE interface 1	CN13
PS/2 mouse port	CN1	System fan power	JA1
USB port 1	CN2	PC speaker	J1

USB port 2	CN3	Power switch	J2
Parallel port	CN4	Reset switch	J3
Serial port 1	CN5	Power LED & Keylock	J5
Serial port 2	CN6	IDE interface LED	J6
Speaker out	CN7	IR connector	J7
Line in	CN8	Audio in - CD-ROM (Sony)	J11
Microphone in	CN9	Audio in - CD-ROM (Mitsumi/Panasonic)	J15
Game/MIDI port	CN10	CPU fan power	J16
Floppy drive interface	CN11	32-bit PCI slots	PC1 - PC2

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	J4	Pins 2 & 3 closed
	CMOS memory clear	J4	Pins 1 & 2 closed
	System on after power failure	J24	Closed
	System off after power failure	J24	Open

DIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
16MB	(1) 2M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64

64MB	(1) 8M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
256MB*	(1) 32M x 64	None
264MB*	(1) 32M x 64	(1) 1M x 64
272MB*	(1) 32M x 64	(1) 2M x 64
288MB*	(1) 32M x 64	(1) 4M x 64
320MB*	(1) 32M x 64	(1) 8M x 64
384MB*	(1) 32M x 64	(1) 16M x 64
512MB*	(1) 32M x 64	(1) 32M x 64

Note: Board supports EDO & SDRAM memory. Maximum SDRAM is 256MB. Maximum EDO is 512MB.

*Note: Memory configuration requires EDO memory.

CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPUs. 128KB cache is located on the Celeron 300A and greater CPUs.

CPU SPEED SELECTION (PENTIUM II)

CPU speed	Clock speed	Multiplier	JP2/Pins 1 & 2	JP2/Pins 3 & 4	JP2/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

CPU SPEED SELECTION (CELERON)

CPU speed	Clock speed	Multiplier	JP2/Pins 1 & 2	JP2/Pins 3 & 4	JP2/Pins 5 & 6
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