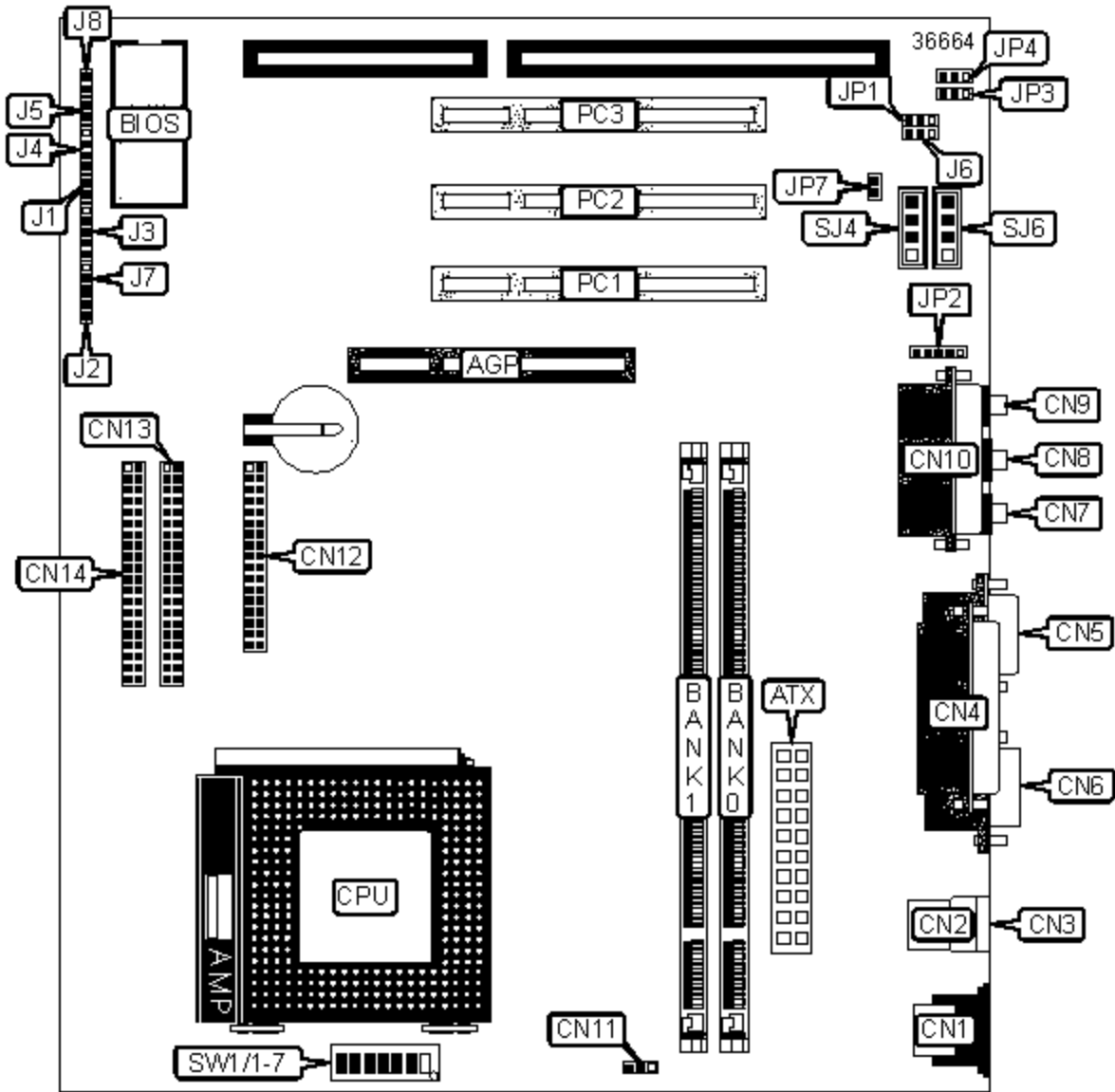


GEMLIGHT COMPUTER LTD.

GMB-P58VMG (VER. 1.00)

Device Type	Mainboard
Processor	CX 6X86L/CX 686MX/IBM 6X86MX/CX MII/IDT C6/AM K5/AM K6/AM K6-2/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/180/188/200/208/225/233/250/266/300/333/350MHz
Chip Set	VIA
Audio Chip Set	Yamaha
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Cache	Undentified
BIOS	Award
Dimensions	244mm x 195mm
I/O Options	32-bit PCI slots (3), floppy drive interface, game 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, line out, microphone in, audio in - CD-ROMs (2), Wake-on-LAN connector, Wake-on-Modem connector



CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	IDE interface 2	CN14

ATX power connector	ATX	Power switch	J1
PS/2 mouse port	CN1	Unidentified	J2
USB port 1	CN2	Power LED & keylock	J3
USB port 2	CN3	PC speaker	J4
Parallel port	CN4	Reset switch	J5
Serial port 1	CN5	Unidentified	J7
Serial port 2	CN6	IDE interface LED	J8
Line out	CN7	IR connector	JP2
Line in	CN8	Wake-on-LAN connector	JP3
Microphone in	CN9	Wake-on-Modem connector	JP4
Game port	CN10	Audio in - CD-ROM (Mitsumi/Panasonic)	SJ4
Fan power	CN11	Audio in - CD-ROM (Sony)	SJ6
Floppy drive interface	CN12	32-bit PCI slots	PC1 - PC3
IDE interface 1	CN13		

USER CONFIGURABLE SETTINGS

Function		Label	Position
	Flash BIOS voltage select 5V	J6	Pins 2 & 3 closed
	Flash BIOS voltage select 12V	J6	Pins 1 & 2 closed
»	CMOS memory normal operation	JP1	Pins 1 & 2 closed
	CMOS memory clear	JP1	Pins 2 & 3 closed
	On board sound enabled	JP7	Closed
	On board sound disabled	JP7	Open
	SDRAM frequency set to match AGP frequency	SW1/7	On
	SDRAM frequency set to match CPU frequency	SW1/7	Off

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
Note: Board supports EDO & SDRAM memory.		

CPU SPEED SELECTION (CX 6X86L)								
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
150MHz	60MHz	2x	On	Off	Off	On	On	On
166MHz	66MHz	2x	On	Off	Off	Off	On	On
200MHz	75MHz	2x	On	Off	Off	On	On	Off

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
166MHz	60MHz	2.5x	On	On	Off	On	On	On
200MHz	75MHz	2x	On	Off	Off	On	On	Off
200MHz	66MHz	2.5x	On	On	Off	Off	On	On
233MHz	75MHz	2.5x	On	On	Off	On	On	Off
233MHz	66MHz	3x	Off	On	Off	Off	On	On

CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
300MHz	75MHz	3x	Off	On	Off	On	On	Off
300MHz	66MHz	3.5x	Off	Off	Off	Off	On	On
333MHz	100MHz	2.5x	On	On	Off	Off	Off	Off
350MHz	100MHz	3x	Off	On	Off	Off	Off	Off

CPU SPEED SELECTION (IBM 6X86MX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
266MHz	83MHz	2.5x	On	On	Off	Off	On	Off

CPU SPEED SELECTION (IDT C6)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
180MHz	60MHz	3x	Off	On	Off	On	On	On
200MHz	66MHz	3x	Off	On	Off	Off	On	On

100MHz	66MHz	1.5x	Off	Off	Off	Off	On	On
120MHz	60MHz	2x	On	Off	Off	On	On	On
133MHz	66MHz	2x	On	Off	Off	Off	On	On
150MHz	60MHz	2.5x	On	On	Off	On	On	On
166MHz	66MHz	2.5x	On	On	Off	Off	On	On
200MHz	66MHz	3x	Off	On	Off	Off	On	On

CPU SPEED SELECTION (PENTIUM MMX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
166MHz	66MHz	2.5x	On	On	Off	Off	On	On
200MHz	66MHz	3x	Off	On	Off	Off	On	On
233MHz	66MHz	3.5x	Off	Off	Off	Off	On	On