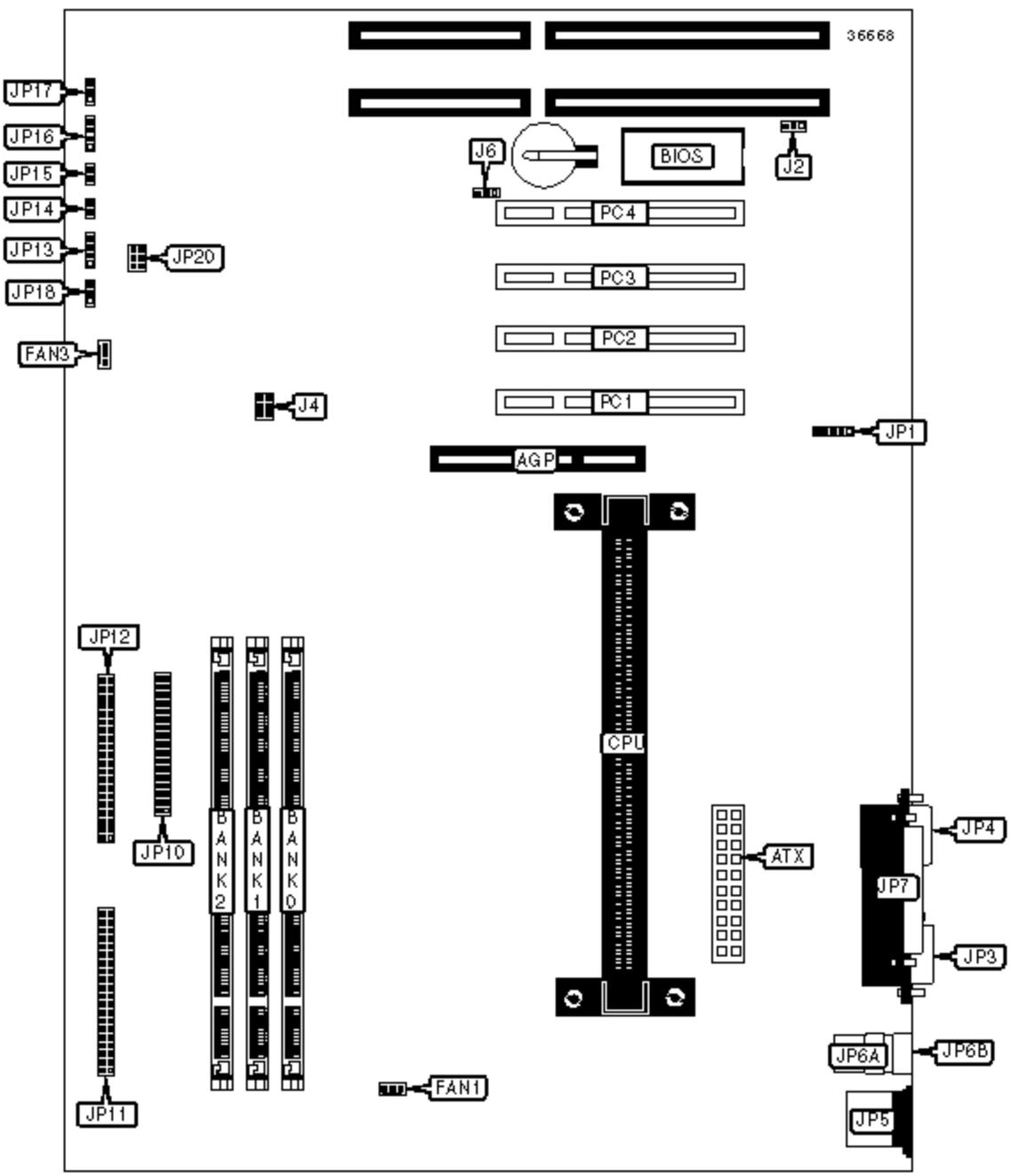


GEMLIGHT COMPUTER LTD.

GMB-P6BIAK VBX (VER. 1.00)

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	233/266/300/333/350/400/450MHz
Chip Set	VIA
Maximum Onboard Memory	768MB (EDO & SDRAM supported)
BIOS	Award
Cache	0/128/256/512KB (located on the CPU)
Dimensions	305mm x 180mm
I/O Options	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, ATX power connector, AGP slot, Wake-on-LAN connector, SB-link connector



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	FAN3	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	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
»	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
32MB	(1) 2MB x 64	(1) 1MB x 64	None

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 II)

CPU Speed	Clock Speed	Multiplier	JP4/pins 1 & 2	JP4/pins 3 & 4	JP4/pins 5 & 6
233MHz	66MHz	3.5x	Open	Open	Closed
266MHz	66MHz	4x	Closed	Closed	Open

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)

CPU Speed	Clock Speed	Multiplier	JP4/pins 1 & 2	JP4/pins 3 & 4	JP4/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
400MHz	100MHz	4.0x	Closed	Closed	Open
450MHz	100MHz	4.5x	Open	Closed	Open

CACHE CONFIGURATION

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