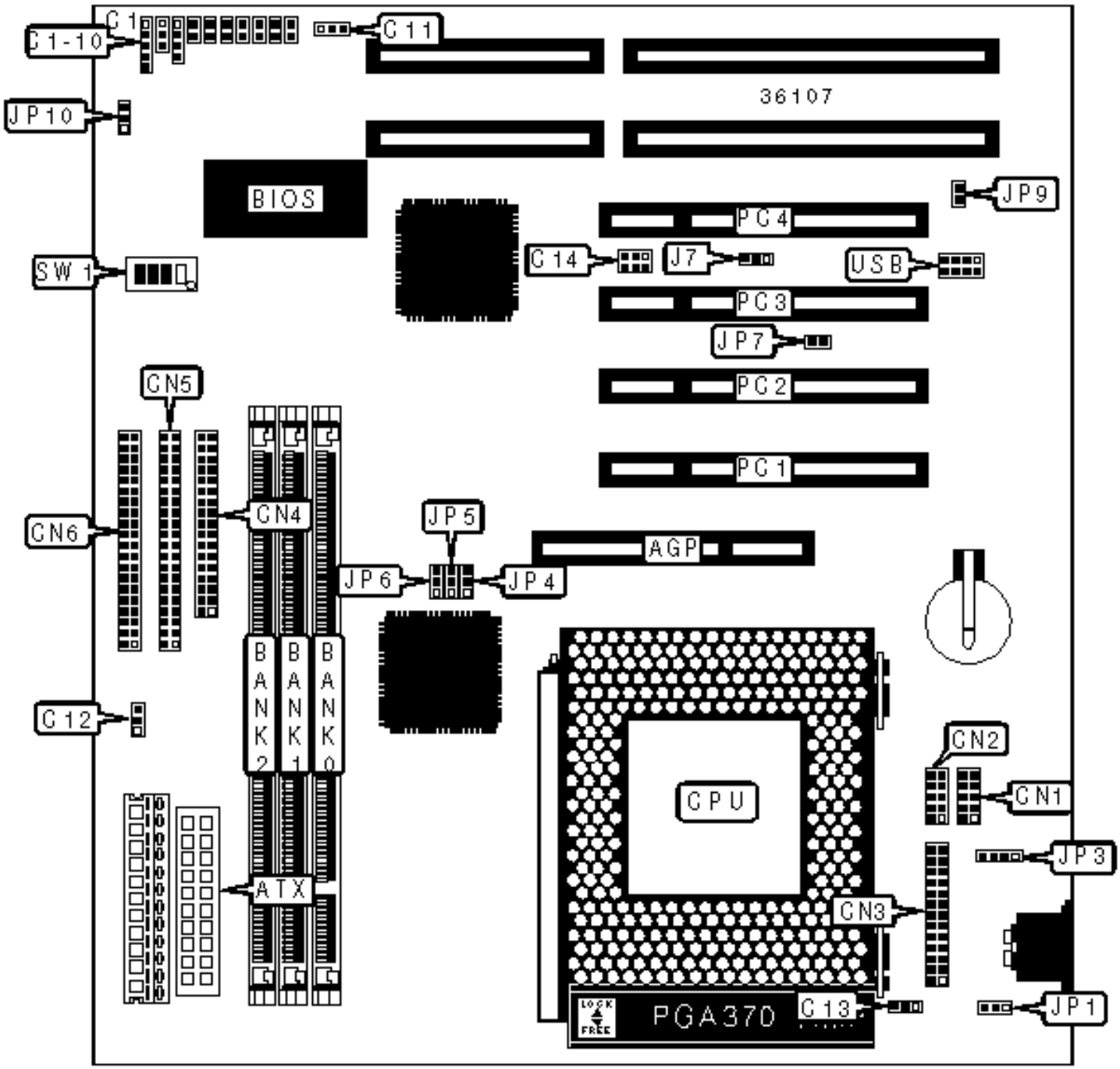
**GIGA-BYTE TECHNOLOGY CO., LTD.**

**GA-6LA7 (VER. 1.0)**

**Configuration**



## CONNECTIONS

| Purpose | Location | Purpose | Location |
|---|---|---|---|
| AGP slot | AGP | CPU fan power | C13 |
| ATX power connector | ATX | SB-link connector | C14 |
| IR connector | C1 | Serial port 1 | CN1 |
| Power LED | C2 | Serial port 2 | CN2 |
| Speaker | C3 | Parallel port | CN3 |
| Turbo LED | C4 | Floppy drive interface | CN4 |
| Turbo switch | C5 | IDE interface 2 | CN5 |
| Reset switch | C6 | IDE interface 1 | CN6 |
| Green PC LED | C7 | Wake on LAN connector | J7 |
| Green PC connector | C8 | PS/2 mouse interface | JP3 |
| IDE interface LED | C9 | Wake on modem connector | JP7 |
| Soft off power supply | C10 | Case open connector | JP9 |
| Chassis fan power | C11 | 32-bit PCI slots | PC1 - PC4 |
| Power fan power | C12 | USB connector | USB |

## USER CONFIGURABLE SETTINGS

| Function | | Label | Position |
|---|---|---|---|
| » | Keyboard power on disabled | JP1 | Pins 2 & 3 closed |
| | Keyboard power on enabled | JP1 | Pins 1 & 2 closed |
| » | CMOS memory normal operation | JP10 | Pins 1 & 2 closed |
| | CMOS memory clear | JP10 | Pins 2 & 3 closed |

## DIMM CONFIGURATION

| Size | Bank 0 | Bank 1 | Bank 2 |
|---|---|---|---|

| | | | |
|---|---|---|---|
| 8MB | (1) 1M x 64 | None | None |
| 16MB | (1) 2M x 64 | None | None |
| 16MB | (1) 1M x 64 | (1) 1M x 64 | None |
| 24MB | (1) 2M x 64 | (1) 1M x 64 | None |
| 24MB | (1) 1M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 32MB | (1) 4M x 64 | None | None |
| 32MB | (1) 2M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 32MB | (1) 2M x 64 | (1) 2M x 64 | None |
| 40MB | (1) 4M x 64 | (1) 1M x 64 | None |
| 40MB | (1) 2M x 64 | (1) 2M x 64 | (1) 1M x 64 |
| 48MB | (1) 4M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 48MB | (1) 4M x 64 | (1) 2M x 64 | None |
| 48MB | (1) 2M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 56MB | (1) 4M x 64 | (1) 2M x 64 | (1) 1M x 64 |
| 64MB | (1) 8M x 64 | None | None |
| 64MB | (1) 4M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 64MB | (1) 4M x 64 | (1) 4M x 64 | None |
| 72MB | (1) 8M x 64 | (1) 1M x 64 | None |

## DIMM CONFIGURATION (CON'T)

| Size | Bank 0 | Bank 1 | Bank 2 |
|---|---|---|---|
| 72MB | (1) 4M x 64 | (1) 4M x 64 | (1) 1M x 64 |
| 80MB | (1) 8M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 80MB | (1) 8M x 64 | (1) 2M x 64 | None |
| 80MB | (1) 4M x 64 | (1) 4M x 64 | (1) 2M x 64 |
| 88MB | (1) 8M x 64 | (1) 2M x 64 | (1) 1M x 64 |

| | | | |
|---|---|---|---|
| 96MB | (1) 8M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 96MB | (1) 8M x 64 | (1) 4M x 64 | None |
| 96MB | (1) 4M x 64 | (1) 4M x 64 | (1) 4M x 64 |
| 104MB | (1) 8M x 64 | (1) 4M x 64 | (1) 1M x 64 |
| 112MB | (1) 8M x 64 | (1) 4M x 64 | (1) 2M x 64 |
| 128MB | (1) 16M x 64 | None | None |
| 128MB | (1) 8M x 64 | (1) 4M x 64 | (1) 4M x 64 |
| 128MB | (1) 8M x 64 | (1) 8M x 64 | None |
| 136MB | (1) 16M x 64 | (1) 1M x 64 | None |
| 136MB | (1) 8M x 64 | (1) 8M x 64 | (1) 1M x 64 |
| 144MB | (1) 16M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 144MB | (1) 16M x 64 | (1) 2M x 64 | None |
| 144MB | (1) 8M x 64 | (1) 8M x 64 | (1) 2M x 64 |
| 160MB | (1) 16M x 64 | (1) 4M x 64 | None |
| 176MB | (1) 16M x 64 | (1) 4M x 64 | (1) 2M x 64 |
| 192MB | (1) 16M x 64 | (1) 4M x 64 | (1) 4M x 64 |
| 192MB | (1) 16M x 64 | (1) 8M x 64 | None |
| 192MB | (1) 8M x 64 | (1) 8M x 64 | (1) 8M x 64 |
| 200MB | (1) 16M x 64 | (1) 8M x 64 | (1) 1M x 64 |
| 208MB | (1) 16M x 64 | (1) 8M x 64 | (1) 2M x 64 |
| 224MB | (1) 16M x 64 | (1) 8M x 64 | (1) 4M x 64 |
| 256MB | (1) 32M x 64 | None | None |
| 256MB | (1) 16M x 64 | (1) 8M x 64 | (1) 8M x 64 |
| 264MB | (1) 32M x 64 | (1) 1M x 64 | None |
| 272MB | (1) 32M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 272MB | (1) 32M x 64 | (1) 2M x 64 | None |

| | | | |
|---|---|---|---|
| 288MB | (1) 32M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 288MB | (1) 32M x 64 | (1) 4M x 64 | None |
| 320MB | (1) 32M x 64 | (1) 4M x 64 | (1) 4M x 64 |
| 320MB | (1) 32M x 64 | (1) 8M x 64 | None |
| 384MB | (1) 32M x 64 | (1) 8M x 64 | (1) 8M x 64 |
| 384MB | (1) 32M x 64 | (1) 16M x 64 | None |
| 384MB | (1) 16M x 64 | (1) 16M x 64 | (1) 16M x 64 |
| 512MB | (1) 32M x 64 | (1) 16M x 64 | (1) 16M x 64 |
| 512MB | (1) 32M x 64 | (1) 32M x 64 | None |
| 768MB | (1) 32M x 64 | (1) 32M x 64 | (1) 32M x 64 |
| Note: Board accepts EDO & SDRAM memory. Maximum SDRAM is 384MB. Maximum EDO is 768MB. | | | |

## CACHE CONFIGURATION

Note: 128KB cache is located on the Celeron 300A & 333 CPU.

## CPU SPEED SELECTION

| CPU speed | Clock speed | Multiplier | JP4 | JP5 | JP6 |
|---|---|---|---|---|---|
| 366MHz | 66MHz | 4x | 1 & 2 | 1 & 2 | 1 & 2 |
| 400MHz | 66MHz | 4.5x | 1 & 2 | 1 & 2 | 1 & 2 |
| 433MHz | 66MHz | 5x | 1 & 2 | 1 & 2 | 1 & 2 |
| Note: Pins designated should be in the closed position. | | | | | |

## CPU SPEED SELECTION (CON'T)

| CPU speed | Clock speed | Multiplier | SW1/1 | SW1/2 | SW1/3 | SW1/4 |
|---|---|---|---|---|---|---|
| 366MHz | 66MHz | 4x | On | On | Off | On |
| 400MHz | 66MHz | 4.5x | Off | On | Off | On |

| | | | | | | |
|---|---|---|---|---|---|---|
| 433MHz | 66MHz | 5x | On | Off | Off | On |