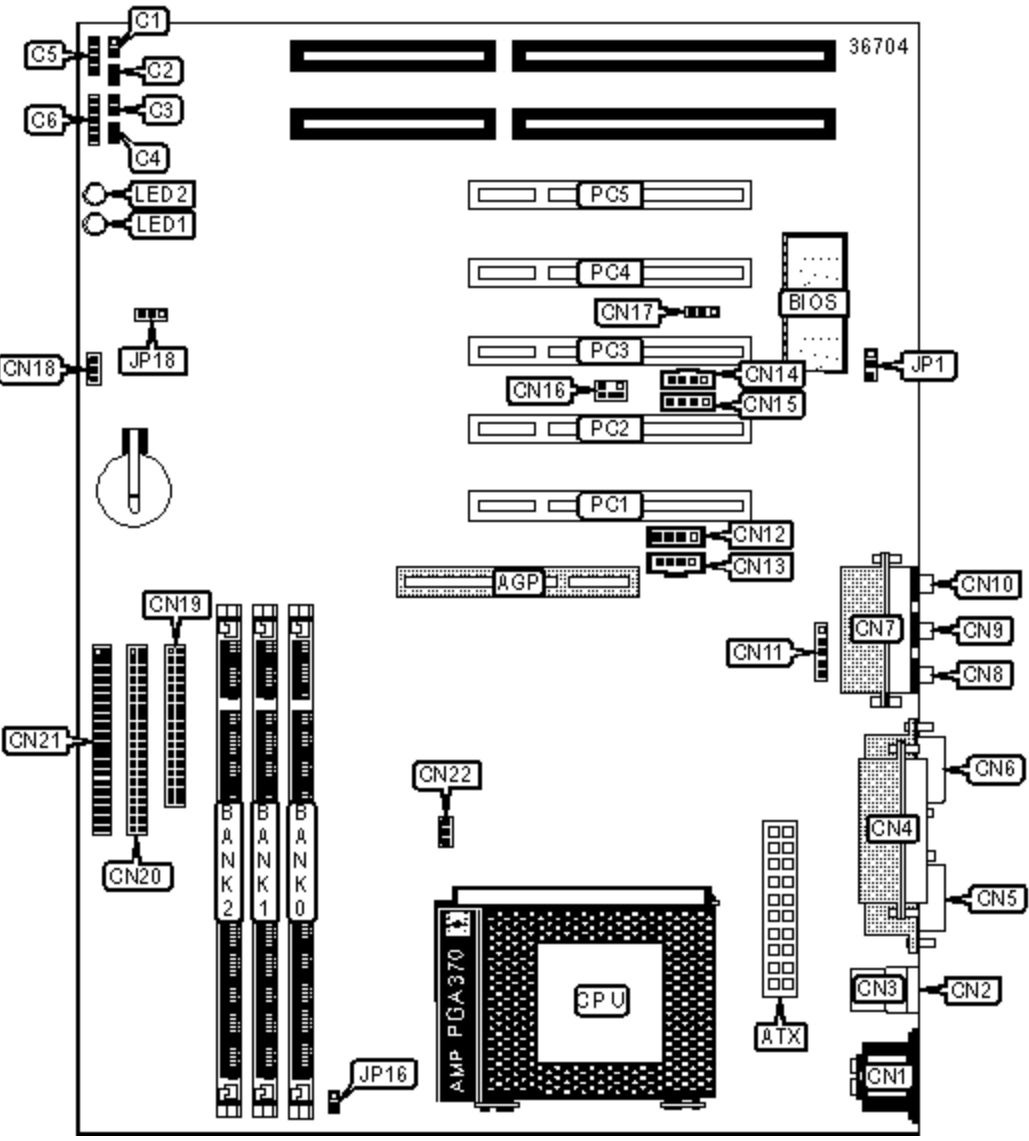


FREE COMPUTER TECHNOLOGY, INC.

P6F107BX

| | |
|-------------------------------|---|
| Device Type | Mainboard |
| Processor | Celeron |
| Processor Speed | 300/333/350/366/400/433/450/466/500/533MHz |
| Chip Set | Intel 440BX |
| Audio Chip Set | Creative Labs |
| Maximum Onboard Memory | 768MB (EDO & SDRAM supported) |
| Maximum Audio Memory | Unidentified |
| Cache | 0/128KB (located on the Celeron CPU) |
| BIOS | Award |
| Dimensions | 305mm x 200mm |
| I/O Options | 32-bit PCI slots (5), floppy drive interface, game/MIDI port, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, line in, line out, microphone in, audio in - CD-ROMs (2), SB-Link connector, Wake-on-LAN connector, modem voice input connectors (2) |



CONNECTIONS

| Purpose | Location | Purpose | Location |
|----------|----------|---------|----------|
| AGP slot | AGP | Line in | CN9 |

| | | | |
|---------------------|-----|---|---------|
| ATX power connector | ATX | Microphone in | CN10 |
| IDE interface LED | C1 | IR connector | CN11 |
| Standby LED | C2 | Audio in - CD-ROM (Mitsumi) | CN12 |
| Reset switch | C3 | Audio in - CD-ROM (Sony) | CN13 |
| Power switch | C4 | Modem voice input connector 2 (MPC2 type) | CN14 |
| Speaker | C5 | Modem voice input connector 1 (JST type) | CN15 |
| Power LED & keylock | C6 | SB-link connector | CN16 |
| PS/2 mouse port | CN1 | Wake-on-LAN connector | CN17 |
| USB port 1 | CN2 | Secondary fan power | CN18 |
| USB port 2 | CN3 | Floppy drive interface | CN19 |
| Parallel port | CN4 | IDE interface 1 | CN20 |
| Serial port 1 | CN5 | IDE interface 2 | CN21 |
| Serial port 2 | CN6 | CPU fan power | CN22 |
| Game/MIDI port | CN7 | 32-bit PCI slots | PC1-PC5 |
| Line out | CN8 | | |

USER CONFIGURABLE SETTINGS

| Function | | Label | Position |
|--------------------------|-----------------------------------|-------|-------------------|
| <input type="checkbox"/> | Onboard audio disabled | JP1 | Pins 1 & 2 closed |
| <input type="checkbox"/> | Onboard audio enabled | JP1 | Pins 2 & 3 closed |
| <input type="checkbox"/> | AGP clock set by CPU clock | JP16 | Closed |
| <input type="checkbox"/> | AGP clock set by CPU clock x 0.66 | JP16 | Open |
| » | CMOS memory normal operation | JP18 | Pins 1 & 2 closed |
| <input type="checkbox"/> | CMOS memory clear | JP18 | Pins 2 & 3 closed |

DIMM CONFIGURATION

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

| | | | |
|-------|--------------|--------------|--------------|
| 8MB | (1) 1M x 64 | None | None |
| 16MB | (1) 1M x 64 | (1) 1M x 64 | None |
| 16MB | (1) 2M x 64 | None | None |
| 24MB | (1) 1M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 32MB | (1) 2M x 64 | (1) 2M x 64 | None |
| 32MB | (1) 4M x 64 | None | None |
| 32MB | (1) 2M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 48MB | (1) 2M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 48MB | (1) 4M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 64MB | (1) 4M x 64 | (1) 4M x 64 | None |
| 64MB | (1) 8M x 64 | None | None |
| 64MB | (1) 4M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 80MB | (1) 8M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 96MB | (1) 4M x 64 | (1) 4M x 64 | (1) 4M x 64 |
| 96MB | (1) 8M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 128MB | (1) 8M x 64 | (1) 8M x 64 | None |
| 128MB | (1) 16M x 64 | None | None |
| 128MB | (1) 8M x 64 | (1) 4M x 64 | (1) 4M x 64 |
| 144MB | (1) 16M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 160MB | (1) 16M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 192MB | (1) 8M x 64 | (1) 8M x 64 | (1) 8M x 64 |
| 192MB | (1) 16M x 64 | (1) 4M x 64 | (1) 4M x 64 |
| 256MB | (1) 16M x 64 | (1) 16M x 64 | None |
| 256MB | (1) 32M x 64 | None | None |
| 256MB | (1) 16M x 64 | (1) 8M x 64 | (1) 8M x 64 |
| 272MB | (1) 32M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 288MB | (1) 32M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 320MB | (1) 32M x 64 | (1) 4M x 64 | (1) 4M x 64 |
| 384MB | (1) 16M x 64 | (1) 16M x 64 | (1) 16M x 64 |

| | | | |
|-------|--------------|--------------|--------------|
| 384MB | (1) 32M x 64 | (1) 8M x 64 | (1) 8M x 64 |
| 512MB | (1) 32M x 64 | (1) 32M x 64 | None |
| 512MB | (1) 32M x 64 | (1) 16M x 64 | (1) 16M x 64 |
| 768MB | (1) 32M x 64 | (1) 32M x 64 | (1) 32M x 64 |

Note: Board supports EDO & SDRAM memory.

Note: EDO & SDRAM can not be mixed.

CACHE CONFIGURATION

Note: 128KB cache is located on the Celeron 300A and greater CPUs.

DIAGNOSTIC LED(S)

| LED | Color | Status | Condition |
|------|-------|----------|---|
| LED1 | Green | On | CPU is not installed or mainboard failure |
| LED1 | Green | Blinking | Memory failure |
| LED1 | Green | Off | Normal operation |
| LED2 | Red | On | Memory failure |
| LED2 | Red | On | Video failure |
| LED2 | Red | Off | Normal operation |