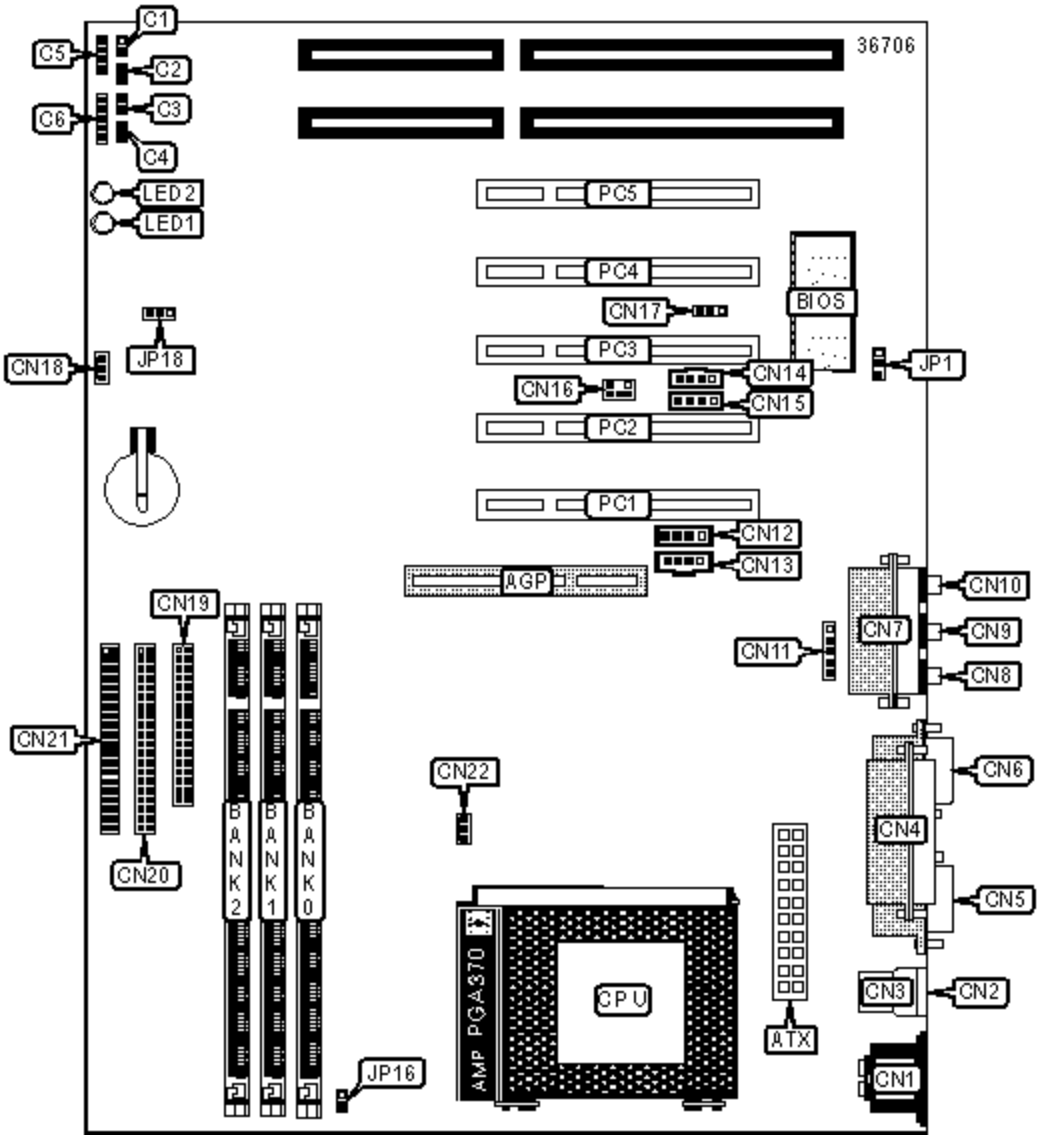
FREE COMPUTER TECHNOLOGY, INC.

P6F107VIA

Device Type	Mainboard
Processor	Celeron
Processor Speed	300/333/350/366/400/433/450/466/500/533MHz
Chip Set	VIA
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**
	Onboard audio disabled	JP1	Pins 1 & 2 closed
	Onboard audio enabled	JP1	Pins 2 & 3 closed
	AGP clock set by CPU clock	JP16	Closed
	AGP clock set by CPU clock x 0.66	JP16	Open
»	CMOS memory normal operation	JP18	Pins 1 & 2 closed
	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 or 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