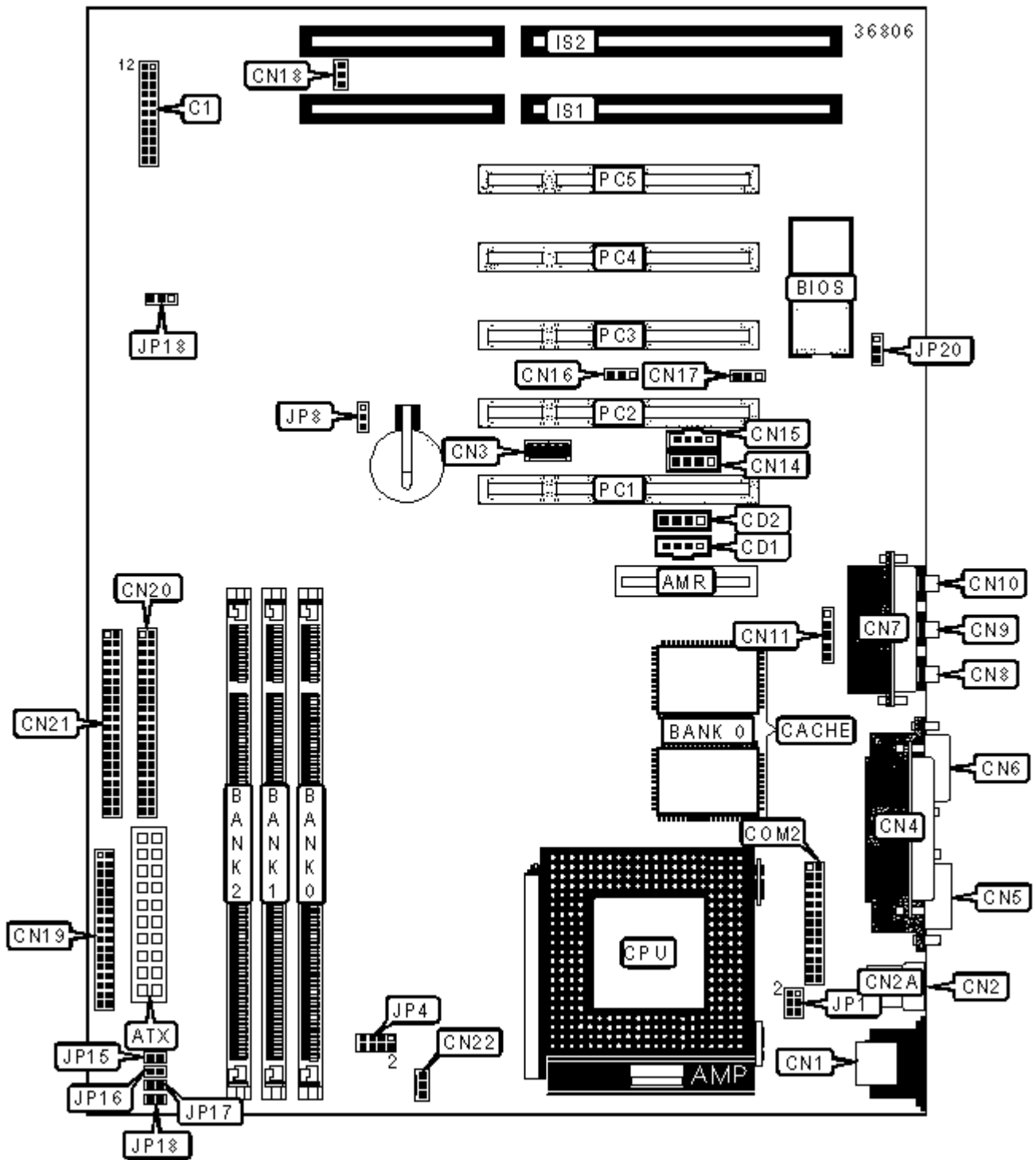


FREE COMPUTER TECHNOLOGY, INC.

P5F110

Device Type	Mainboard
Processor	CX 6X86/CX 6X86 MX/CX MII AM K5/AM K6/AM K6-2/Pentium/Pentium MMX
Processor Speed	300/333/366/400/433/466/500/533MHz
Chip Set	VIA
Video Chip Set	Unidentified
Audio Chip Set	Creative Labs
Maximum Onboard Memory	768MB (EDO & SDRAM supported)
Maximum Video Memory	Unidentified
Maximum Audio Memory	Unidentified
Cache	2048KB
BIOS	Award
Dimensions	305mm x 185mm
I/O Options	16-bit ISA slots (2), 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 port, USB interface, ATX power connector, Audio/Modem Riser slot, line in, line out, microphone in, audio in - CD-ROMs (2), Wake-on-LAN connector, Wake-on-Modem connector, modem voice input connectors (2)



CONNECTIONS

Purpose	Location	Purpose	Location
Audio/Modem Riser slot	AMR	Game/MIDI port	CN7
ATX power connector	ATX	Line out	CN8
Hard drive LED connector	C1/Pins 1 & 2	Line in	CN9
Standby LED connector	C1/Pins 4 & 5	Microphone in	CN10
Reset switch	C1/Pins 7 & 8	IR connector	CN11

Power switch	C1/Pins 10 & 11	Modem voice input connector 2	CN14
Speaker	C1/Pins 18 - 20	Modem voice input connector 1	CN15
Power LED & keylock	C1/Pins 21 & 22	Wake-on-Modem connector	CN16
Audio in - CD-ROM (Sony)	CD1	Wake-on-LAN connector	CN17
Audio in - CD-ROM (Mitsumi/Panasonic)	CD2	Secondary fan power	CN18
PS/2 mouse port	CN1	Floppy drive interface	CN19
USB port 1	CN2	IDE interface 1	CN20
USB port 2	CN2A	IDE interface 2	CN21
USB interface	CN3	CPU fan power	CN22
Parallel port	CN4	Serial interface	COM2
Serial port 1	CN5	16-bit ISA slots	IS1-IS2
VGA port	CN6	32-bit PCI slots	PC1-PC5

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP8	Pins 1 & 2 closed
	CMOS memory clear	JP8	Pins 2 & 3 closed
»	Onboard audio enabled	JP20	Pins 2 & 3 closed
	Onboard audio disabled	JP20	Pins 1 & 2 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. Must use one or the other.

CPU VOLTAGE SELECTION

Voltage	JP15	JP16	JP17	JP18
2.1V	Open	Open	Open	Closed
2.2V	Open	Open	Closed	Open
2.3V	Open	Open	Closed	Closed
2.4V	Open	Closed	Open	Open
2.5V	Open	Closed	Open	Closed
2.6V	Open	Closed	Closed	Open
2.7V	Open	Closed	Closed	Closed
2.8V	Closed	Open	Open	Open
2.9V	Closed	Open	Open	Closed
3.0V	Closed	Open	Closed	Open
3.1V	Closed	Open	Closed	Closed
3.2V	Closed	Closed	Open	Open
3.3V	Closed	Closed	Open	Closed
3.4V	Closed	Closed	Closed	Open
3.5V	Closed	Closed	Closed	Closed

CPU EXTERNAL FREQUENCY SELECTION

Clock Speed	PCI Speed	JP4/pins 1 & 2	JP4/pins 3 & 4	JP4/pins 5 & 6	JP4/pins 7 & 8
60MHz	30MHz	Open	Open	Open	Open
66.8MHz	33.4MHz	Closed	Open	Open	Open
70MHz	35MHz	Open	Closed	Open	Open
75MHz	25MHz	Closed	Closed	Open	Open
75MHz	37.5MHz	Open	Open	Open	Closed
80MHz	26.27MHz	Open	Open	Closed	Open
80MHz	40MHz	Closed	Open	Open	Closed
83.3MHz	27.76MHz	Closed	Open	Closed	Open

83.3MHz	41.65MHz	Open	Closed	Open	Closed
95.25MHz	31.75MHz	Open	Closed	Closed	Open
100MHz	33.33MHz	Closed	Closed	Closed	Open
105MHz	35MHz	Closed	Closed	Open	Closed
110MHz	36.67MHz	Open	Open	Closed	Closed
115MHz	38.33MHz	Closed	Open	Closed	Closed
120MHz	40MHz	Open	Closed	Closed	Closed
124MHz	41.33MHz	Closed	Closed	Closed	Closed

CPU MULTIPLIER SELECTION			
Multiplier	JP1/pins 1 & 2	JP1/pins 3 & 4	JP1/pins 5 & 6
1.5x	Open	Open	Open
2x	Open	Open	Closed
2.5x	Open	Closed	Closed
3x	Open	Closed	Open
3.5x	Open	Open	Open
4x	Closed	Open	Closed
4.5x	Closed	Closed	Closed
5x	Closed	Closed	Open
5.5x	Closed	Open	Open