FREE COMPUTER TECHNOLOGY, INC.

P5F93

Configuration
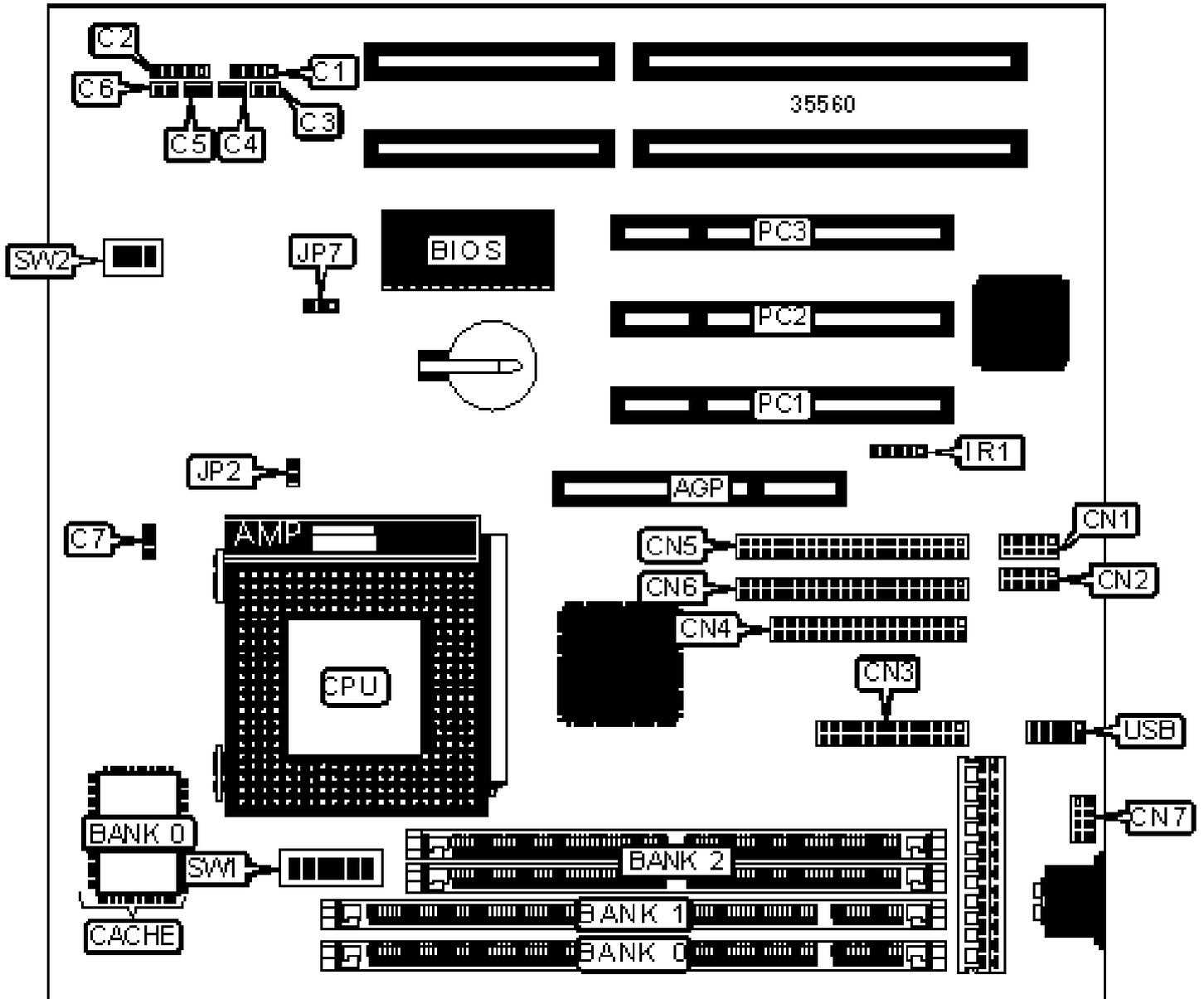
CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	Serial port 2	CN2
Speaker	C1	Parallel port	CN3
Power LED & keylock	C2	Floppy drive interface	CN4
IDE interface LED	C3	IDE interface 1	CN5
Standby LED	C4	IDE interface 2	CN6
Reset switch	C5	PS/2 mouse interface	CN7
Soft off power supply	C6	IR connector	IR1
CPU fan power	C7	32-bit PCI slots	PC1 – PC3
Serial port 1	CN1	USB connector	USB

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	CMOS memory normal operation	JP7	Pins 1 & 2 closed
	CMOS memory clear	JP7	Pins 2 & 3 closed

SIMM CONFIGURATION

Size	Bank 2
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36
256MB	(2) 32M x 36
Note: Board accepts EDO memory.	

DIMM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None

DIMM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64

256MB	(1) 32M x 64	None
264MB	(1) 32M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64
Note: Board accepts SDRAM memory.		

CACHE CONFIGURATION

Size	Bank 0
512KB	(1) 64K x 64

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
150MHz	60MHz	2x	On	Off	Off	On	On	On
166MHz	66MHz	2x	On	Off	Off	Off	On	On
200MHz	75MHz	2x	On	Off	Off	On	On	Off

CPU SPEED SELECTION (IBM 6X86L)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
150MHz	60MHz	2x	On	Off	Off	On	On	On
166MHz	66MHz	2x	On	Off	Off	Off	On	On
200MHz	75MHz	2x	On	Off	Off	On	On	Off

CPU SPEED SELECTION (CX 6X86MX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
166MHz	60MHz	2.5x	On	On	Off	On	On	On
166MHz	66MHz	2x	On	Off	Off	Off	On	On
200MHz	66MHz	2.5x	On	On	Off	Off	On	On
233MHz	75MHz	2.5x	On	On	Off	On	On	Off
233MHz	66MHz	3x	Off	On	Off	Off	On	On

CPU SPEED SELECTION (IBM 6X86MX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
166MHz	60MHz	2.5x	On	On	Off	On	On	On
166MHz	66MHz	2x	On	Off	Off	Off	On	On
200MHz	66MHz	2.5x	On	On	Off	Off	On	On
233MHz	75MHz	2.5x	On	On	Off	On	On	Off
233MHz	66MHz	3x	Off	On	Off	Off	On	On

CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
233MHz	75MHz	2.5x	On	On	Off	On	On	Off
233MHz	66MHz	3x	Off	On	Off	Off	On	On
266MHz	83MHz	2.5x	On	On	Off	Off	On	Off
300MHz	75MHz	3x	Off	On	Off	On	On	Off

CPU SPEED SELECTION (IBM MII)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
233MHz	75MHz	2.5x	On	On	Off	On	On	Off
233MHz	66MHz	3x	Off	On	Off	Off	On	On

266MHz	83MHz	2.5x	On	On	Off	Off	On	Off
300MHz	75MHz	3x	Off	On	Off	On	On	Off

CPU SPEED SELECTION (AM K5)								
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
120MHz	60MHz	1.5x	Off	Off	Off	On	On	On
133MHz	66MHz	1.5x	Off	Off	Off	Off	On	On
150MHz	60MHz	1.75x	On	Off	Off	On	On	On
166MHz	66MHz	1.75x	On	Off	Off	Off	On	On

CPU SPEED SELECTION (AM K6)								
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
166MHz	66MHz	2.5x	On	On	Off	Off	On	On
200MHz	66MHz	3x	Off	On	Off	Off	On	On
233MHz	66MHz	3.5x	Off	Off	Off	Off	On	On
266MHz	66MHz	4x	On	Off	On	Off	On	On
300MHz	66MHz	4.5x	On	On	On	Off	On	On

CPU SPEED SELECTION (AM K6-2)								
CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
250MHz	100MHz	2.5x	On	On	Off	Off	Off	Off
266MHz	66MHz	4x	On	Off	On	Off	On	On
300MHz	100MHz	3x	Off	On	Off	Off	Off	Off
350MHz	100MHz	3.5x	Off	Off	Off	Off	Off	Off
400MHz	100MHz	4x	On	Off	On	Off	Off	Off

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
90MHz	60MHz	1.5x	Off	Off	Off	On	On	On
100MHz	66MHz	1.5x	Off	Off	Off	Off	On	On
120MHz	60MHz	2x	On	Off	Off	On	On	On
133MHz	66MHz	2x	On	Off	Off	Off	On	On
150MHz	60MHz	2.5x	On	On	Off	On	On	On
166MHz	66MHz	2.5x	On	On	Off	Off	On	On
200MHz	66MHz	3x	Off	On	Off	Off	On	On

CPU SPEED SELECTION (INTEL OVERDRIVE)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
150MHz	60MHz	2.5x	On	Off	Off	On	On	On
166MHz	66MHz	2.5x	On	Off	Off	Off	On	On
200MHz	66MHz	3x	On	On	Off	Off	On	On

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
166MHz	66MHz	2.5x	On	On	Off	Off	On	On
200MHz	66MHz	3x	Off	On	Off	Off	On	On
233MHz	66MHz	3.5x	Off	Off	Off	Off	On	On

CPU TYPE SELECTION

Type	JP2
AMD	Open
Cyrix	Open

Intel	Open
Intel Overdrive	Closed

CPU VOLTAGE SELECTION			
Voltage	SW2/1	SW2/2	SW2/3
2.0v	Off	Off	Off
2.1v	On	Off	Off
2.2v	Off	On	Off
2.3v	On	On	Off
2.4v	Off	Off	On
2.5v	On	Off	On
2.6v	Off	On	On
2.7v	On	On	On
2.8v	Off	Off	Off
2.9v	On	Off	Off
3.0v	Off	On	Off
3.1v	On	On	Off
3.2v	Off	Off	On
3.3v	On	Off	On
3.4v	Off	On	On
3.5v	On	On	On