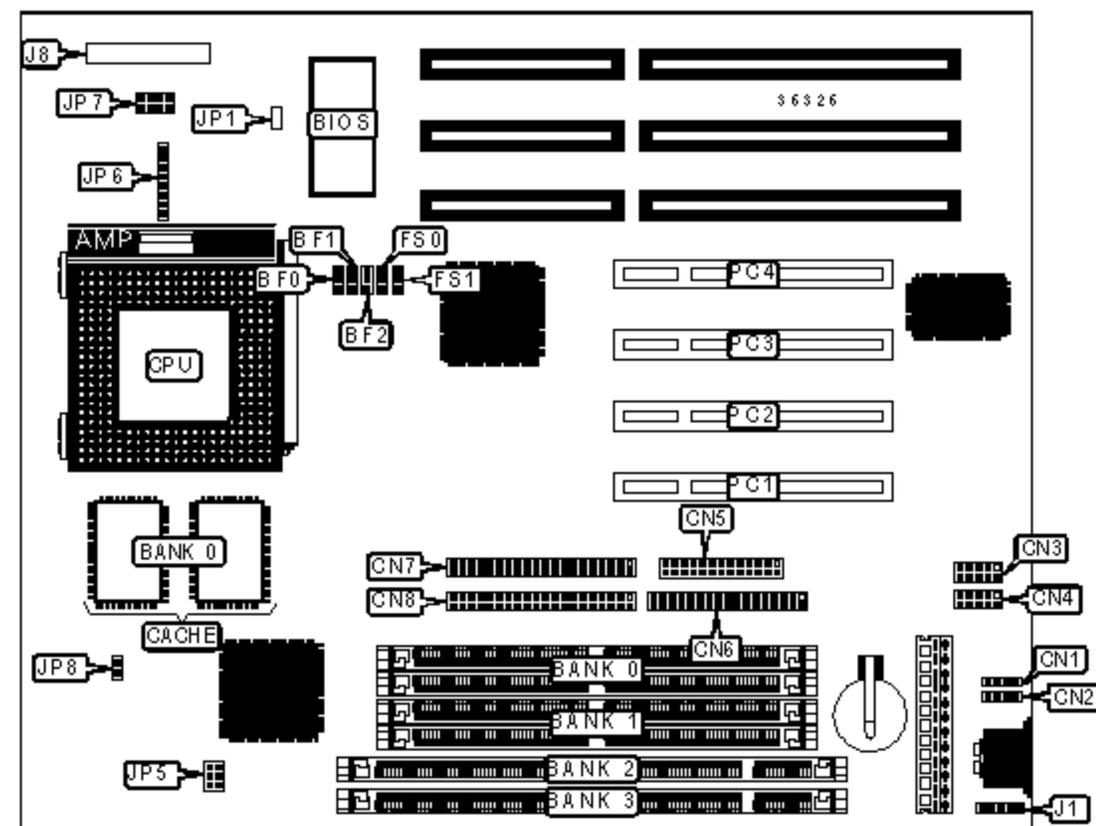


# PROCOMP INFORMATICS, LTD.

## B583

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86L/CX M1/CX M2/AM K5/AM K6/Pentium/Pentium MMX
<b>Processor Speed</b>	90/100/120/133/150/166/200/233MHz
<b>Chip Set</b>	Intel 430TX
<b>Maximum Onboard Memory</b>	256MB (EDO & SDRAM supported)
<b>Cache</b>	256/512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	254mm x 218mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, USB connectors (2)



### CONNECTIONS

Purpose	Location	Purpose	Location
USB connector 1	CN1	IDE interface 2	CN7
USB connector 2	CN2	IDE interface 1	CN8
Serial port 1	CN3	PS/2 mouse interface	J1
Serial port 2	CN4	Front panel connector	J8
Parallel port	CN5	CPU fan power	JP1
Floppy drive interface	CN6	32-bit PCI slots	PC1 - PC4

## USER CONFIGURABLE SETTINGS

	Function	Label	Position
	MTX clock select 60MHz	JP8	Closed
	MTX clock select 66MHz	JP8	Open

## SIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
136MB	(2) 16M x 36	(2) 1M x 36
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36

Note: Board accepts EDO memory.

### DIMM CONFIGURATION

Size	Bank 2	Bank 3
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

### DIMM CONFIGURATION (CON'T)

Size	Bank 2	Bank 3
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
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) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
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

Note: Board accepts SDRAM memory.

Note: Board accepts SDRAM memory.

DIMM VOLTAGE SELECTION	
Voltage	JP5
3.3v	Pins 3 & 5, 4 & 6 closed
5v	Pins 1 & 2, 3 & 4 closed

CACHE CONFIGURATION	
Size	Bank 0
256KB	(2) 32K x 32
512KB	(2) 64K x 32

CPU SPEED SELECTION (CX 6X86L)							
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX M1)							
CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

**CPU SPEED SELECTION (CX M2)**

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

**CPU SPEED SELECTION (AM K5)**

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
133MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

**CPU SPEED SELECTION (AM K6)**

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

**CPU SPEED SELECTION (INTEL)**

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1
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90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2
133MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

### CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

### CPU TYPE SELECTION

Type	JP6
Single voltage	Pins 1 & 2, 3 & 4 closed
Dual voltage	Pins 5 & 6, 7 & 8 closed

### CPU VOLTAGE SELECTION

Voltage	JP7/pins 1 & 2	JP7/pins 3 & 4	JP7/pins 5 & 6	JP7/pins 7 & 8
2.1v	Open	Closed	Open	Open
2.8v	Open	Open	Open	Closed
2.9v	Closed	Open	Open	Closed
3.2v	Open	Open	Closed	Closed
3.3v	Closed	Open	Closed	Closed

3.5v	Closed	Closed	Closed	Closed
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