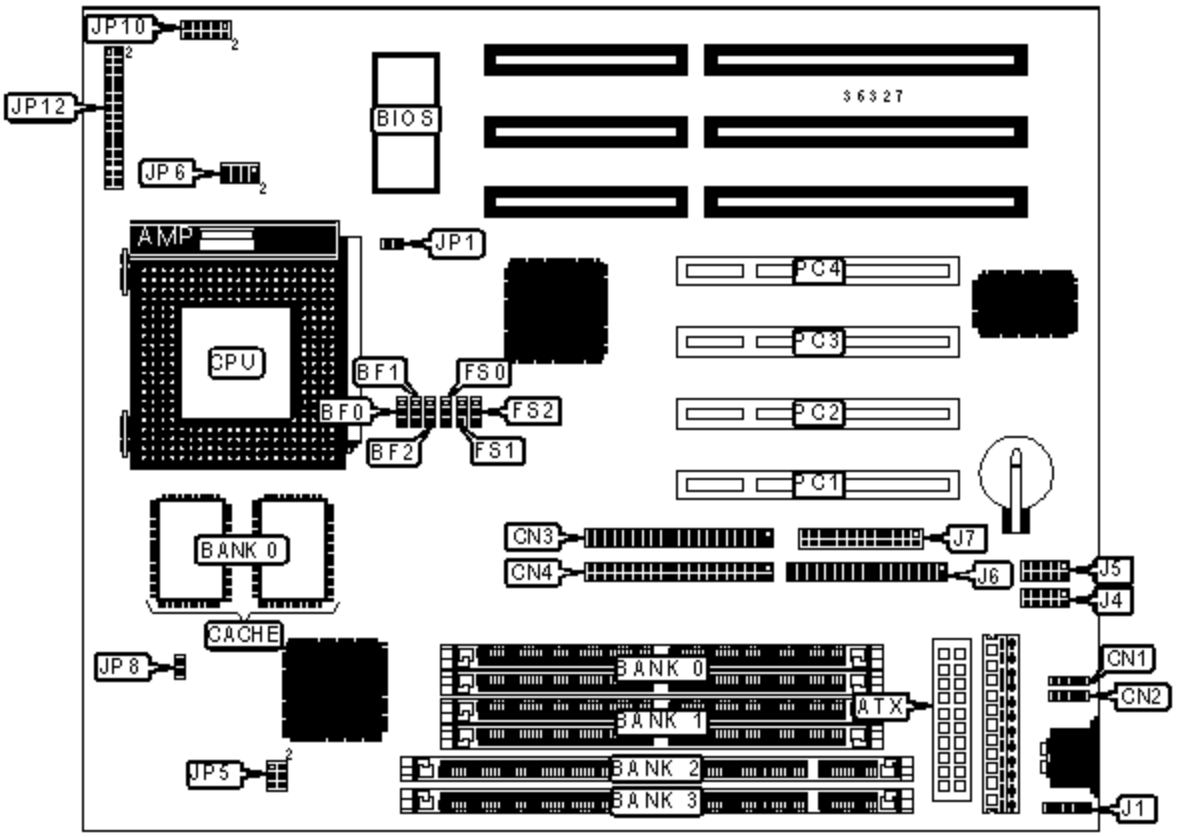
PROCOMP INFORMATICS, LTD.

B587

Device Type	Mainboard
Processor	CX 6X86L/CX M1/CX M2/AM K5/AM K6/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/200/233MHz
Chip Set	Intel 430TX
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Cache	256/512KB
BIOS	Award
Dimensions	254mm x 218mm
I/O Options	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**
ATX power supply	ATX	CPU fan power	JP1
USB connector 1	CN1	Reset switch	JP12/pins 1 & 3
USB connector 2	CN2	Power LED & keylock	JP12/pins 2/4/6/8/10
IDE interface 2	CN3	IDE interface LED	JP12/pins 7 & 9
IDE interface 1	CN4	Green PC connector	JP12/pins 13 & 15
PS/2 mouse interface	J1	Speaker	JP12/pins 14/16/18/20
Serial port 2	J4	Green PC LED	JP12/pins 19 & 21

Serial port 1	J5	IR connector	JP12/pins 24/26/28/30
Floppy drive interface	J6	Soft off power supply	JP12/pins 25 & 27
Parallel port	J7	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
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.

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**	**FS2**
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX M1)								
CPU speed	**Clock speed**	**Multiplier**	**BF0**	**BF1**	**BF2**	**FS0**	**FS1**	**FS2**
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX M2)								
CPU speed	**Clock speed**	**Multiplier**	**BF0**	**BF1**	**BF2**	**FS0**	**FS1**	**FS2**
133MHz	55MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
150MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3
166MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
200MHz	75MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (AM K5)								
CPU speed	**Clock speed**	**Multiplier**	**BF0**	**BF1**	**BF2**	**FS0**	**FS1**	**FS2**
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
120MHz	60MHz	2x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
133MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (AM K6)								
CPU speed	**Clock speed**	**Multiplier**	**BF0**	**BF1**	**BF2**	**FS0**	**FS1**	**FS2**
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
Note: Pins designated should be in the closed position.								

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1	FS2
90MHz	60MHz	1.5x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
120MHz	60MHz	2x	2 & 3	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3
133MHz	66MHz	2x	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	BF0	BF1	BF2	FS0	FS1	FS2
166MHz	66MHz	2.5x	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2	2 & 3
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3

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	JP10/ pins 1 & 2	JP10/ pins 3 & 4	JP10/ pins 5 & 6	JP10/ pins 7 & 8	JP10/ pins 9 & 10
1.8v	Open	Open	Open	Closed	Open
2.1v	Open	Open	Open	Open	Closed
2.9v	Open	Open	Closed	Closed	Open

3.0v	Open	Closed	Open	Closed	Open
3.1v	Open	Closed	Closed	Closed	Open
3.2v	Closed	Open	Open	Closed	Open
3.3v	Closed	Open	Closed	Closed	Open
3.4v	Closed	Closed	Open	Closed	Open
3.5v	Closed	Closed	Closed	Closed	Closed