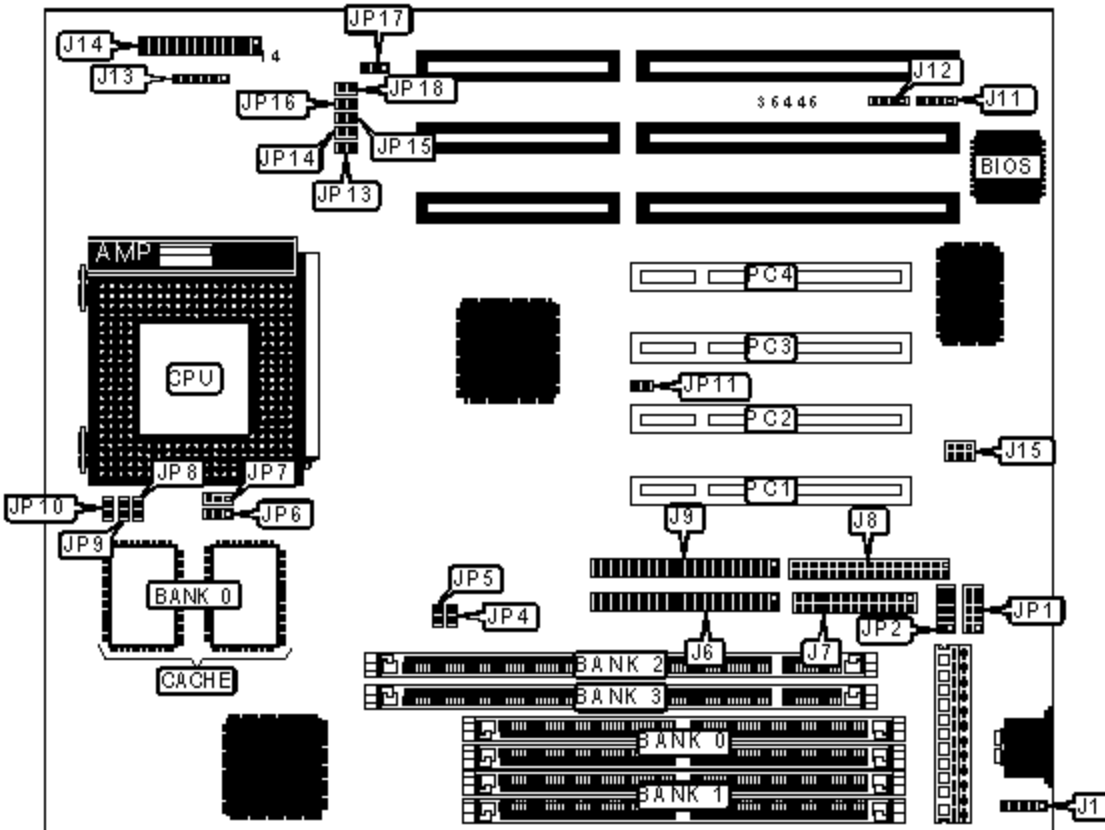


# BCM ADVANCED RESEARCH, INC.

## SQ575

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/CX 6X86MX/IDT C6/AM K5/AM K6/Pentium/Pentium MMX
<b>Processor Speed</b>	90/100/120/133/150/166/180/200/233/266/300MHz
<b>Chip Set</b>	Intel 430TX
<b>Maximum Onboard Memory</b>	256MB (EDO & SDRAM supported)
<b>Cache</b>	256/512KB
<b>BIOS</b>	Unidentified
<b>Dimensions</b>	252mm x 220mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), USB connectors (2), IR connector



### CONNECTIONS

Purpose	Location	Purpose	Location
PS/2 mouse interface	J1	IDE interface LED	J14/pins 10 - 13
IDE interface 1	J6	Speaker	J14/pins 14 -17
Parallel port	J7	Green PC connector	J14/pins 19 & 20
Floppy drive interface	J8	Turbo LED	J14/pins 22 & 23
IDE interface 2	J9	Reset switch	J14/pins 25 & 26
USB connector 1	J11	SB-link connector	J15

USB connector 2	J12	Serial port 2	JP1
IR connector	J13	Serial port 1	JP2
Power LED & keylock	J14/pins 1 - 5	Chassis fan power	JP17
Green PC LED	J14/pins 7 & 8	32-bit PCI slots	PC1 - PC4

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP11	Open
	CMOS memory clear	JP11	Closed

### 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.		

<b>DIMM CONFIGURATION</b>		
<b>Size</b>	<b>Bank 2</b>	<b>Bank 3</b>
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

<b>DIMM CONFIGURATION (CON'T)</b>		
<b>Size</b>	<b>Bank 0</b>	<b>Bank 1</b>
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.		

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

CPU SPEED SELECTION (CX 6X86)							
CPU speed	Clock speed	Multiplier	JP4	JP5	JP8	JP9	JP10
150MHz	60MHz	2x	Closed	Open	Open	Open	Closed
166MHz	66MHz	2x	Open	Open	Open	Open	Closed

CPU SPEED SELECTION (CX 6X86MX)							
CPU speed	Clock speed	Multiplier	JP4	JP5	JP8	JP9	JP10
166MHz	60MHz	2.5x	Closed	Open	Open	Closed	Closed
200MHz	66MHz	2.5x	Open	Open	Open	Closed	Closed
233MHz	66MHz	3x	Open	Open	Open	Closed	Open
266MHz	66MHz	3.5x	Open	Open	Open	Open	Open

CPU SPEED SELECTION (IDT C6)							
CPU speed	Clock speed	Multiplier	JP4	JP5	JP8	JP9	JP10
150MHz	60MHz	2.5x	Closed	Open	Open	Closed	Closed
180MHz	60MHz	3x	Closed	Open	Open	Closed	Open

100MHz	66MHz	3x	Closed	Open	Open	Closed	Open
200MHz	66MHz	3x	Open	Open	Open	Closed	Open

CPU SPEED SELECTION (AM K5)							
CPU speed	Clock speed	Multiplier	JP4	JP5	JP8	JP9	JP10
100MHz	66MHz	1.5x	Open	Open	Open	Open	Open
120MHz	60MHz	2x	Closed	Open	Open	Open	Closed
133MHz	66MHz	2x	Open	Open	Open	Open	Closed
150MHz	60MHz	2.5x	Closed	Open	Open	Closed	Closed
166MHz	66MHz	2.5x	Open	Open	Open	Closed	Closed
200MHz	66MHz	3x	Open	Open	Open	Closed	Open

CPU SPEED SELECTION (AM K6)							
CPU speed	Clock speed	Multiplier	JP4	JP5	JP8	JP9	JP10
166MHz	66MHz	2.5x	Open	Open	Open	Closed	Closed
200MHz	66MHz	3x	Open	Open	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Open	Open	Open	Open
266MHz	66MHz	4x	Open	Open	Closed	Open	Closed
300MHz	66MHz	4.5x	Open	Open	Closed	Closed	Closed

CPU SPEED SELECTION (INTEL)							
CPU speed	Clock speed	Multiplier	JP4	JP5	JP8	JP9	JP10
90MHz	60MHz	1.5x	Closed	Open	Open	Open	Open
100MHz	66MHz	1.5x	Open	Open	Open	Open	Open
120MHz	60MHz	2x	Closed	Open	Open	Open	Closed
133MHz	66MHz	2x	Open	Open	Open	Open	Closed
150MHz	60MHz	2.5x	Closed	Open	Open	Closed	Closed
166MHz	66MHz	2.5x	Open	Open	Open	Closed	Closed

166MHz	66MHz	2.5x	Open	Open	Open	Closed	Closed
180MHz	60MHz	3x	Closed	Open	Open	Closed	Open
200MHz	66MHz	3x	Open	Open	Open	Closed	Open

### CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	JP4	JP5	JP8	JP9	JP10
166MHz	66MHz	2.5x	Open	Open	Open	Closed	Closed
200MHz	66MHz	3x	Open	Open	Open	Closed	Open
233MHz	66MHz	3.5x	Open	Open	Open	Open	Open

### CPU VOLTAGE SELECTION (SINGLE)

Voltage	JP6	JP7	JP13	JP14	JP15	JP16	JP18
3.38v	1 & 2	1 & 2	Open	Closed	Open	Open	Open
3.52v	1 & 2	1 & 2	Closed	Open	Open	Open	Open

Note: Pins designated should be in the closed position.

### CPU VOLTAGE SELECTION (DUAL)

Voltage	V core	JP6	JP7	JP13	JP14	JP15	JP16	JP18
3.3v	2.2v	2 & 3	2 & 3	Open	Open	Open	Open	Open
3.3v	2.8v	2 & 3	2 & 3	Open	Open	Open	Open	Closed
3.3v	2.9v	2 & 3	2 & 3	Open	Open	Open	Closed	Open
3.3v	3.2v	2 & 3	2 & 3	Open	Open	Closed	Open	Open

Note: Pins designated should be in the closed position.