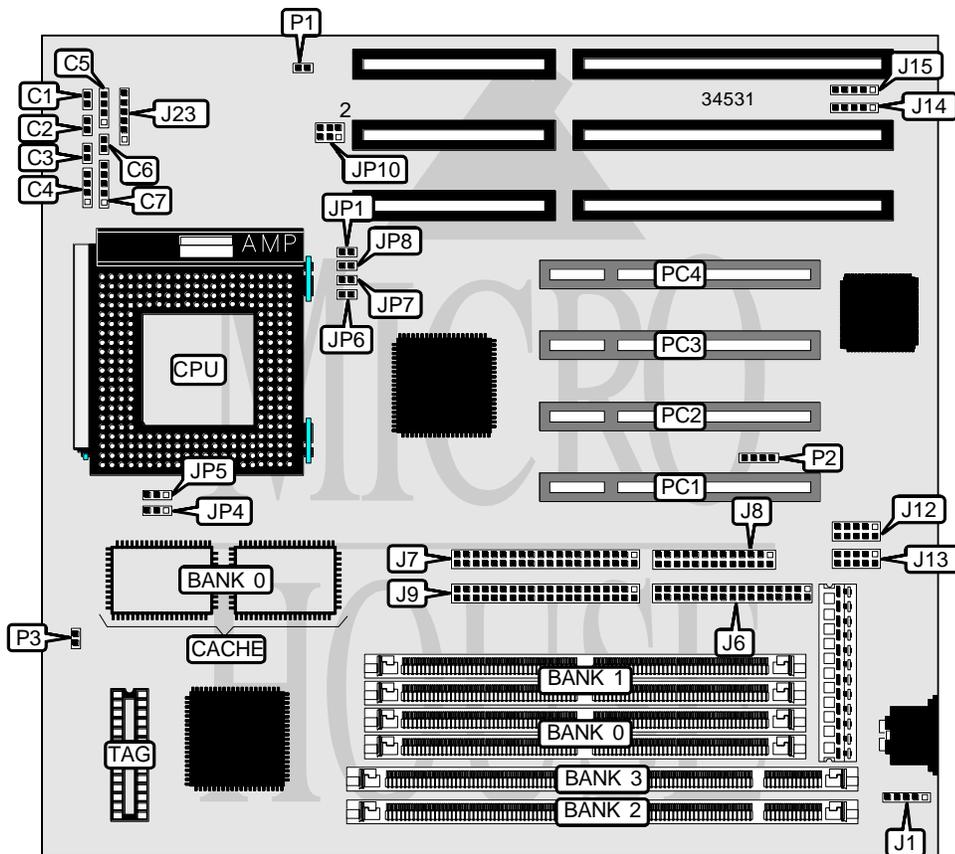


# BCM ADVANCED RESEARCH, INC.

## SQ576

|                               |   |
|-------------------------------|---|
| <b>Processor</b>              | CX 6X86/CX M2/AM K5/AM K6/Pentium   |
| <b>Processor Speed</b>        | 90/100/120/133/150/166/180/200/233MHz   |
| <b>Chip Set</b>               | Intel   |
| <b>Video Chip Set</b>         | None  |
| <b>Maximum Onboard Memory</b> | 256MB (EDO supported)   |
| <b>Maximum Video Memory</b>   | None  |
| <b>Cache</b>                  | 256/512KB   |
| <b>BIOS</b>                   | Unidentified  |
| <b>Dimensions</b>             | 230mm 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), IR connector, USB connectors (2) |
| <b>NPU Options</b>            | None  |



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| CONNECTIONS            |          |                  |           |
|------------------------|----------|------------------|-----------|
| Purpose                | Location | Purpose          | Location  |
| Reset switch           | C1       | IDE interface 1  | J7        |
| Turbo LED              | C2       | Parallel port    | J8        |
| Green PC connector     | C3       | IDE interface 2  | J9        |
| Speaker                | C4       | Serial port 1    | J12       |
| IDE interface LED      | C5       | Serial port 2    | J13       |
| Green PC LED           | C6       | USB connector    | J14       |
| Power LED & keylock    | C7       | USB connector    | J15       |
| PS/2 mouse interface   | J1       | IR connector     | J23       |
| Floppy drive interface | J6       | 32-bit PCI slots | PC1 – PC4 |

| USER CONFIGURABLE SETTINGS          |       |              |
|-------------------------------------|-------|--------------|
| Function                            | Label | Position     |
| í Factory configured - do not alter | P1    | Unidentified |
| í Factory configured - do not alter | P2    | Unidentified |
| í Factory configured - do not alter | P3    | Unidentified |

| 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. Banks are interchangeable.

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| 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        |
| 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 |

| CACHE CONFIGURATION |              |              |
|---------------------|--------------|--------------|
| Size                | Bank 0       | TAG          |
| 256KB               | (2) 32K x 32 | Unidentified |
| 512KB               | (2) 64K x 32 | Unidentified |

| CPU SPEED SELECTION (CX 6X86) |             |            |        |      |        |        |
|-------------------------------|-------------|------------|--------|------|--------|--------|
| CPU speed                     | Clock speed | Multiplier | JP1    | JP6  | JP7    | JP8    |
| 133MHz                        | 50MHz       | 2x         | Closed | Open | Closed | Closed |
| 150MHz                        | 60MHz       | 2x         | Open   | Open | Closed | Closed |
| 166MHz                        | 66MHz       | 2x         | Open   | Open | Closed | Open   |

| CPU SPEED SELECTION (CX M2) |             |            |      |        |        |        |
|-----------------------------|-------------|------------|------|--------|--------|--------|
| CPU speed                   | Clock speed | Multiplier | JP1  | JP6    | JP7    | JP8    |
| 150MHz                      | 60MHz       | 2.5x       | Open | Closed | Closed | Closed |
| 166MHz                      | 66MHz       | 2.5x       | Open | Open   | Closed | Open   |
| 180MHz                      | 60MHz       | 3x         | Open | Closed | Open   | Closed |
| 200MHz                      | 66MHz       | 3x         | Open | Closed | Open   | Open   |

| CPU SPEED SELECTION (AM K5) |             |            |      |        |        |        |
|-----------------------------|-------------|------------|------|--------|--------|--------|
| CPU speed                   | Clock speed | Multiplier | JP1  | JP6    | JP7    | JP8    |
| 100MHz                      | 66MHz       | 1.5x       | Open | Open   | Open   | Open   |
| 120MHz                      | 60MHz       | 2x         | Open | Open   | Closed | Closed |
| 133MHz                      | 66MHz       | 2x         | Open | Open   | Closed | Open   |
| 150MHz                      | 60MHz       | 2.5x       | Open | Closed | Closed | Closed |
| 166MHz                      | 66MHz       | 2.5x       | Open | Closed | Closed | Open   |
| 200MHz                      | 66MHz       | 3x         | Open | Closed | Open   | Open   |

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| CPU SPEED SELECTION (AM K6) |             |            |      |        |        |      |
|-----------------------------|-------------|------------|------|--------|--------|------|
| CPU speed                   | Clock speed | Multiplier | JP1  | JP6    | JP7    | JP8  |
| 166MHz                      | 66MHz       | 2.5x       | Open | Closed | Closed | Open |
| 200MHz                      | 66MHz       | 3x         | Open | Closed | Open   | Open |

| CPU SPEED SELECTION (INTEL) |             |            |      |        |        |        |
|-----------------------------|-------------|------------|------|--------|--------|--------|
| CPU speed                   | Clock speed | Multiplier | JP1  | JP6    | JP7    | JP8    |
| 90MHz                       | 60MHz       | 1.5x       | Open | Open   | Open   | Closed |
| 100MHz                      | 66MHz       | 1.5x       | Open | Open   | Open   | Open   |
| 120MHz                      | 60MHz       | 2x         | Open | Open   | Closed | Closed |
| 133MHz                      | 66MHz       | 2x         | Open | Open   | Closed | Open   |
| 150MHz                      | 60MHz       | 2.5x       | Open | Closed | Closed | Closed |
| 166MHz                      | 66MHz       | 2.5x       | Open | Closed | Closed | Open   |
| 180MHz                      | 60MHz       | 3x         | Open | Closed | Open   | Closed |
| 200MHz                      | 66MHz       | 3x         | Open | Closed | Open   | Open   |
| 233MHz                      | 66MHz       | 3.5x       | Open | Open   | Open   | Open   |

| CPU VOLTAGE SELECTION (SINGLE) |                   |                   |                   |
|--------------------------------|-------------------|-------------------|-------------------|
| Voltage                        | JP4               | JP5               | JP10              |
| 3.5v                           | Pins 1 & 2 closed | Pins 1 & 2 closed | Open              |
| 3.38v                          | Pins 1 & 2 closed | Pins 1 & 2 closed | Pins 1 & 2 closed |

| CPU VOLTAGE SELECTION (DUAL) |        |                   |                   |                   |
|------------------------------|--------|-------------------|-------------------|-------------------|
| Voltage                      | V core | JP4               | JP5               | JP10              |
| 3.3v                         | 2.8v   | Pins 2 & 3 closed | Pins 2 & 3 closed | Pins 5 & 6 closed |
| 3.3v                         | 2.9v   | Pins 2 & 3 closed | Pins 2 & 3 closed | Pins 3 & 4 closed |