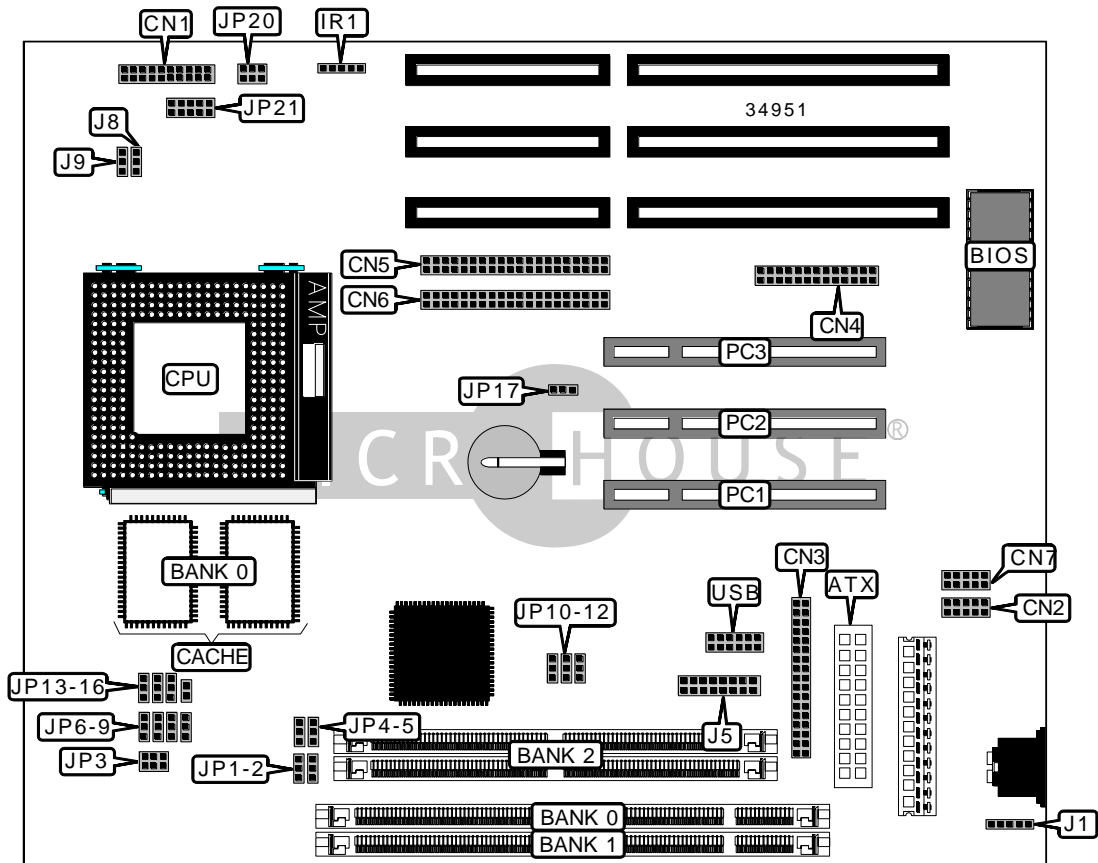


# ELITEGROUP COMPUTER SYSTEMS, INC.

## P5SJ-B

|                               |   |
|-------------------------------|---|
| <b>Device Type</b>            | Mainboard   |
| <b>Processor</b>              | CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 686MX/IBM 6X86MX/<br>AM K5/AM K6/Pentium   |
| <b>Processor Speed</b>        | 75/90/100/120/133/150/166/180/200/233MHz  |
| <b>Chip Set</b>               | SIS   |
| <b>Video Chip Set</b>         | SIS   |
| <b>Maximum Onboard Memory</b> | 128MB (EDO & SDRAM supported) Unified Memory Architecture (UMA)   |
| <b>Cache</b>                  | 512KB   |
| <b>BIOS</b>                   | Unidentified  |
| <b>Dimensions</b>             | 254mm x 218mm   |
| <b>I/O Options</b>            | 32-bit PCI slots (3), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), VGA port, IR connector, USB connector, ATX power connector |
| <b>NPU Options</b>            | None  |



Continued on next page. . .

ELITEGROUP COMPUTER SYSTEMS, INC.  
P 5 S J - B

... continued from previous page

| CONNECTIONS            |                  |                       |                 |
|------------------------|------------------|-----------------------|-----------------|
| Purpose                | Location         | Purpose               | Location        |
| ATX power connector    | ATX              | Serial port 1         | CN7             |
| IDE interface LED      | CN1/pins 2 & 3   | IR connector          | IR1             |
| Green PC connector     | CN1/pins 4 & 5   | PS/2 mouse interface  | J1              |
| Reset switch           | CN1/pins 9 & 10  | VGA port              | J5              |
| Power LED & keylock    | CN1/pins 11 - 15 | Soft off power supply | J8              |
| Speaker                | CN1/pins 17 - 20 | CPU fan power         | J9              |
| Serial port 2          | CN2              | ATX power switch      | JP20/pins 1 & 2 |
| Floppy drive interface | CN3              | SMI switch            | JP20/pins 3 & 4 |
| Parallel port          | CN4              | ACPI LED              | JP20/pins 5 & 6 |
| IDE interface 1        | CN5              | 32-bit PCI slots      | PC1 – PC3       |
| IDE interface 2        | CN6              | USB connector         | USB             |

| USER CONFIGURABLE SETTINGS          |       |                   |
|-------------------------------------|-------|-------------------|
| Function                            | Label | Position          |
| í Factory configured - do not alter | JP9   | Unidentified      |
| í Factory configured - do not alter | JP13  | Unidentified      |
| í CMOS memory normal operation      | JP17  | Pins 1 & 2 closed |
| CMOS memory clear                   | JP17  | 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 |

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 |

Continued on next page. . .

ELITEGROUP COMPUTER SYSTEMS, INC.  
P5SJ-B

... continued from previous page

| DIMM CONFIGURATION (CON'T) |             |             |
|----------------------------|-------------|-------------|
| Size                       | Bank 0      | Bank 1      |
| 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 |

Note: Board accepts SDRAM memory.

| SIMM CONFIGURATION      |                   |                   |
|-------------------------|-------------------|-------------------|
| Setting                 | JP11              | JP12              |
| SIMM bank set as bank 2 | Pins 1 & 2 closed | Pins 2 & 3 closed |
| SIMM bank set as bank 0 | Pins 2 & 3 closed | Pins 1 & 2 closed |

| DIMM VOLTAGE CONFIGURATION |                   |                   |
|----------------------------|-------------------|-------------------|
| Voltage                    | JP4               | JP5               |
| 3.3v                       | Pins 1 & 2 closed | Pins 1 & 2 closed |
| 5v                         | Pins 2 & 3 closed | Pins 2 & 3 closed |

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

| CPU SPEED SELECTION (CX 6X86) |             |            |       |       |       |      |       |       |
|-------------------------------|-------------|------------|-------|-------|-------|------|-------|-------|
| CPU speed                     | Clock speed | Multiplier | JP6   | JP7   | JP8   | JP14 | JP15  | JP16  |
| 120MHz                        | 50MHz       | 2x         | 2 & 3 | 2 & 3 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |
| 133MHz                        | 55MHz       | 2x         | 1 & 2 | 2 & 3 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |
| 150MHz                        | 60MHz       | 2x         | 2 & 3 | 2 & 3 | 1 & 2 | N/A  | 1 & 2 | 2 & 3 |
| 166MHz                        | 66MHz       | 2x         | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |

Note: Pins designated should be in the closed position.

Continued on next page...

ELITEGROUP COMPUTER SYSTEMS, INC.  
P5SJ-B

... continued from previous page

| CPU SPEED SELECTION (IBM 6X86) |             |            |       |       |       |      |       |       |
|--------------------------------|-------------|------------|-------|-------|-------|------|-------|-------|
| CPU speed                      | Clock speed | Multiplier | JP6   | JP7   | JP8   | JP14 | JP15  | JP16  |
| 120MHz                         | 50MHz       | 2x         | 2 & 3 | 2 & 3 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |
| 133MHz                         | 55MHz       | 2x         | 1 & 2 | 2 & 3 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |
| 150MHz                         | 60MHz       | 2x         | 2 & 3 | 2 & 3 | 1 & 2 | N/A  | 1 & 2 | 2 & 3 |
| 166MHz                         | 66MHz       | 2x         | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |

Note: Pins designated should be in the closed position.

| CPU SPEED SELECTION (CX 6X86L) |             |            |       |       |       |      |       |       |
|--------------------------------|-------------|------------|-------|-------|-------|------|-------|-------|
| CPU speed                      | Clock speed | Multiplier | JP6   | JP7   | JP8   | JP14 | JP15  | JP16  |
| 120MHz                         | 50MHz       | 2x         | 2 & 3 | 2 & 3 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |
| 133MHz                         | 55MHz       | 2x         | 1 & 2 | 2 & 3 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |
| 150MHz                         | 60MHz       | 2x         | 2 & 3 | 2 & 3 | 1 & 2 | N/A  | 1 & 2 | 2 & 3 |
| 166MHz                         | 66MHz       | 2x         | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |

Note: Pins designated should be in the closed position.

| CPU SPEED SELECTION (IBM 6X86L) |             |            |       |       |       |      |       |       |
|---------------------------------|-------------|------------|-------|-------|-------|------|-------|-------|
| CPU speed                       | Clock speed | Multiplier | JP6   | JP7   | JP8   | JP14 | JP15  | JP16  |
| 120MHz                          | 50MHz       | 2x         | 2 & 3 | 2 & 3 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |
| 133MHz                          | 55MHz       | 2x         | 1 & 2 | 2 & 3 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |
| 150MHz                          | 60MHz       | 2x         | 2 & 3 | 2 & 3 | 1 & 2 | N/A  | 1 & 2 | 2 & 3 |
| 166MHz                          | 66MHz       | 2x         | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |

Note: Pins designated should be in the closed position.

| CPU SPEED SELECTION (CX 6X86MX) |             |            |       |       |       |      |       |       |
|---------------------------------|-------------|------------|-------|-------|-------|------|-------|-------|
| CPU speed                       | Clock speed | Multiplier | JP6   | JP7   | JP8   | JP14 | JP15  | JP16  |
| 166MHz                          | 60MHz       | 2x         | 2 & 3 | 2 & 3 | 1 & 2 | N/A  | 1 & 2 | 2 & 3 |
| 200MHz                          | 66MHz       | 2x         | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |
| 233MHz                          | 75MHz       | 2.5x       | 1 & 2 | 2 & 3 | 1 & 2 | N/A  | 2 & 3 | 2 & 3 |

Note: Pins designated should be in the closed position.

| CPU SPEED SELECTION (IBM 6X86MX) |             |            |       |       |       |      |       |       |
|----------------------------------|-------------|------------|-------|-------|-------|------|-------|-------|
| CPU speed                        | Clock speed | Multiplier | JP6   | JP7   | JP8   | JP14 | JP15  | JP16  |
| 166MHz                           | 60MHz       | 2x         | 2 & 3 | 2 & 3 | 1 & 2 | N/A  | 1 & 2 | 2 & 3 |
| 200MHz                           | 66MHz       | 2x         | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |
| 233MHz                           | 75MHz       | 2.5x       | 1 & 2 | 2 & 3 | 1 & 2 | N/A  | 2 & 3 | 2 & 3 |

Note: Pins designated should be in the closed position.

Continued on next page. . .

ELITEGROUP COMPUTER SYSTEMS, INC.  
P5SJ-B

... continued from previous page

| CPU SPEED SELECTION (AM K5) |             |            |       |       |       |      |       |       |
|-----------------------------|-------------|------------|-------|-------|-------|------|-------|-------|
| CPU speed                   | Clock speed | Multiplier | JP6   | JP7   | JP8   | JP14 | JP15  | JP16  |
| 75MHz                       | 50MHz       | 1.5x       | 2 & 3 | 2 & 3 | 2 & 3 | N/A  | 1 & 2 | 1 & 2 |
| 90MHz                       | 60MHz       | 1.5x       | 2 & 3 | 2 & 3 | 1 & 2 | N/A  | 1 & 2 | 1 & 2 |
| 100MHz                      | 66MHz       | 1.5x       | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 1 & 2 | 1 & 2 |
| 120MHz                      | 60MHz       | 2x         | 2 & 3 | 2 & 3 | 1 & 2 | N/A  | 1 & 2 | 2 & 3 |
| 133MHz                      | 66MHz       | 2x         | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |
| 150MHz                      | 60MHz       | 2.5x       | 2 & 3 | 2 & 3 | 1 & 2 | N/A  | 2 & 3 | 2 & 3 |
| 166MHz                      | 66MHz       | 2.5x       | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 2 & 3 | 2 & 3 |

Note: Pins designated should be in the closed position.

| CPU SPEED SELECTION (AM K6) |             |            |       |       |       |      |       |       |
|-----------------------------|-------------|------------|-------|-------|-------|------|-------|-------|
| CPU speed                   | Clock speed | Multiplier | JP6   | JP7   | JP8   | JP14 | JP15  | JP16  |
| 166MHz                      | 66MHz       | 2.5x       | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 2 & 3 | 2 & 3 |
| 200MHz                      | 66MHz       | 3x         | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 2 & 3 | 1 & 2 |
| 233MHz                      | 66MHz       | 3.5x       | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 1 & 2 | 1 & 2 |

Note: Pins designated should be in the closed position.

| CPU SPEED SELECTION (INTEL) |             |            |       |       |       |      |       |       |
|-----------------------------|-------------|------------|-------|-------|-------|------|-------|-------|
| CPU speed                   | Clock speed | Multiplier | JP6   | JP7   | JP8   | JP14 | JP15  | JP16  |
| 75MHz                       | 50MHz       | 1.5x       | 2 & 3 | 2 & 3 | 2 & 3 | N/A  | 1 & 2 | 1 & 2 |
| 90MHz                       | 60MHz       | 1.5x       | 2 & 3 | 2 & 3 | 1 & 2 | N/A  | 1 & 2 | 1 & 2 |
| 100MHz                      | 66MHz       | 1.5x       | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 1 & 2 | 1 & 2 |
| 120MHz                      | 60MHz       | 2x         | 2 & 3 | 2 & 3 | 1 & 2 | N/A  | 1 & 2 | 2 & 3 |
| 133MHz                      | 66MHz       | 2x         | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 1 & 2 | 2 & 3 |
| 150MHz                      | 60MHz       | 2.5x       | 2 & 3 | 2 & 3 | 1 & 2 | N/A  | 2 & 3 | 2 & 3 |
| 166MHz                      | 66MHz       | 2.5x       | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 2 & 3 | 2 & 3 |
| 180MHz                      | 60MHz       | 3x         | 2 & 3 | 2 & 3 | 1 & 2 | N/A  | 2 & 3 | 1 & 2 |
| 200MHz                      | 66MHz       | 3x         | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 2 & 3 | 1 & 2 |

Note: Pins designated should be in the closed position.

| CPU SPEED SELECTION (INTEL MMX) |             |            |       |       |       |      |       |       |
|---------------------------------|-------------|------------|-------|-------|-------|------|-------|-------|
| CPU speed                       | Clock speed | Multiplier | JP6   | JP7   | JP8   | JP14 | JP15  | JP16  |
| 166MHz                          | 66MHz       | 2.5x       | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 2 & 3 | 2 & 3 |
| 200MHz                          | 66MHz       | 3x         | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 2 & 3 | 1 & 2 |
| 233MHz                          | 66MHz       | 3.5x       | 2 & 3 | 1 & 2 | 2 & 3 | N/A  | 1 & 2 | 1 & 2 |

Note: Pins designated should be in the closed position.

Continued on next page...

ELITEGROUP COMPUTER SYSTEMS, INC.  
P5SJ-B

... continued from previous page

| CPU VOLTAGE SELECTION (SINGLE) |                   |
|--------------------------------|-------------------|
| Voltage                        | JP3               |
| 3.3v                           | Pins 1 & 2 closed |
| í 3.525v                       | Pins 3 & 4 closed |

| CPU VOLTAGE SELECTION (DUAL) |                    |                    |                    |                    |                     |
|------------------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| V core                       | JP21/pins<br>1 & 2 | JP21/pins<br>3 & 4 | JP21/pins<br>5 & 6 | JP21/pins<br>7 & 8 | JP21/pins<br>9 & 10 |
| 1.8v                         | Closed             | Closed             | Open               | Closed             | Open                |
| 2.0v                         | Closed             | Closed             | Closed             | Closed             | Open                |
| 2.2v                         | Open               | Open               | Open               | Closed             | Open                |
| 2.5v                         | Open               | Open               | Closed             | Open               | Closed              |
| 2.8v                         | Open               | Closed             | Open               | Open               | Open                |
| 2.9v                         | Open               | Closed             | Open               | Open               | Closed              |
| 3.1v                         | Open               | Closed             | Open               | Closed             | Closed              |
| 3.2v                         | Open               | Closed             | Closed             | Open               | Open                |
| 3.3v                         | Open               | Closed             | Closed             | Open               | Closed              |
| 3.5v                         | Open               | Closed             | Closed             | Closed             | Closed              |

| ON BOARD VIDEO SELECTION |                   |                   |                   |
|--------------------------|-------------------|-------------------|-------------------|
| Setting                  | JP1               | JP2               | JP10              |
| Enabled                  | Pins 1 & 2 closed | Pins 1 & 2 closed | Pins 2 & 3 closed |
| Disabled                 | Pins 2 & 3 closed | Pins 2 & 3 closed | Pins 1 & 2 closed |