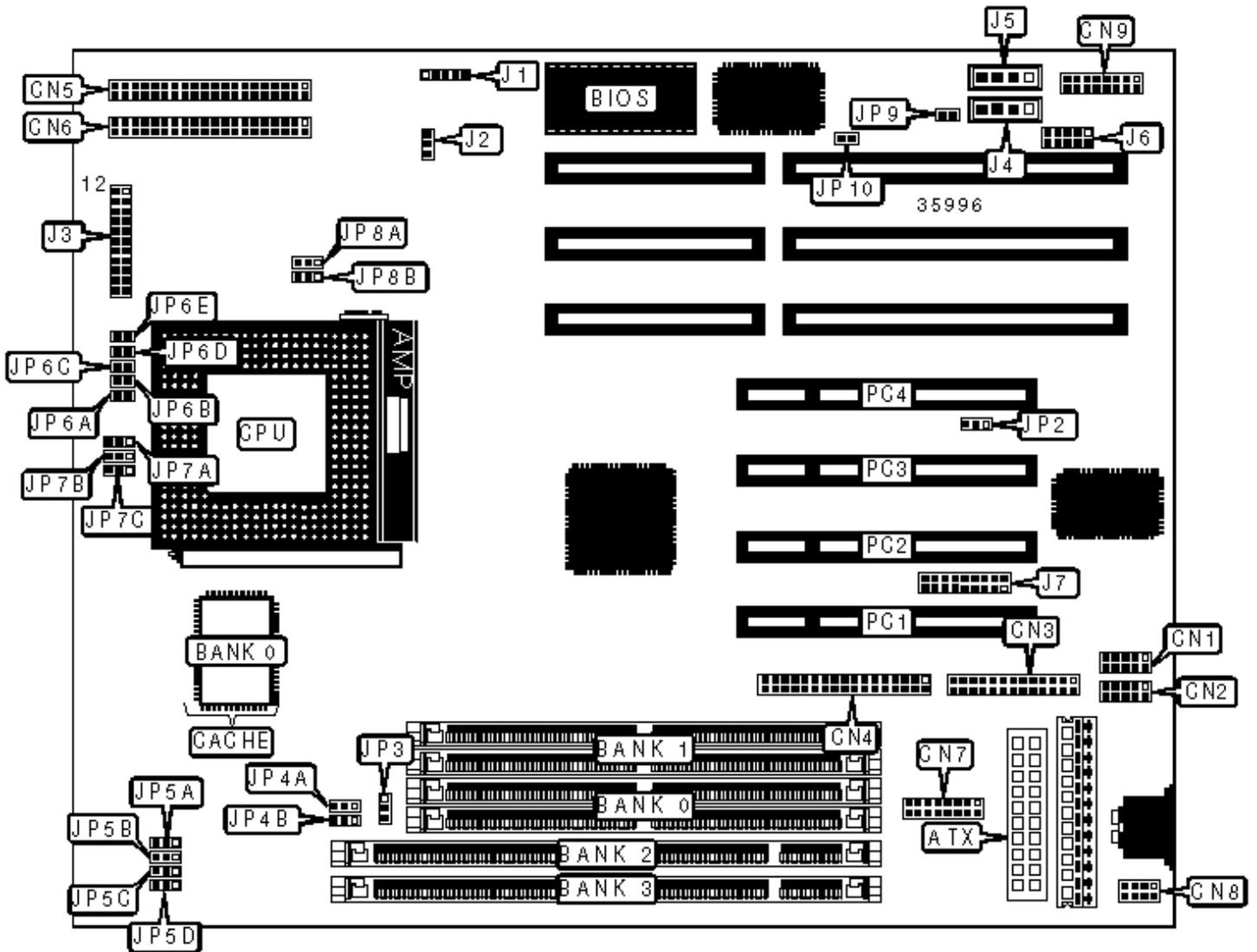


PINE TECHNOLOGY

PT-7602

Configuration



CONNECTIONS

| Purpose | Location | Purpose | Location |
|------------------------|---------------|-------------------------|-----------------|
| ATX power connector | ATX | Turbo LED | J3/pins 7 & 18 |
| Serial port 1 | CN1 | IDE interface LED | J3/pins 8 & 19 |
| Serial port 2 | CN2 | Reset switch | J3/pins 9 & 20 |
| Parallel port | CN3 | Green PC LED | J3/pins 11 & 22 |
| Floppy drive interface | CN4 | Speaker | J3/pins 12 - 15 |
| IDE interface 1 | CN5 | Audio in – CD-ROM | J4 |
| IDE interface 2 | CN6 | Audio in – CD-ROM | J5 |
| VGA interface | CN7 | Game interface | J6 |
| PS/2 mouse interface | CN8 | ATX form card connector | J7 |
| Game interface | CN9 | Microphone in | JP9 |
| Override connector | J1 | Digital audio connector | JP10 |
| Chassis fan power | J2 | 32-bit PCI slots | PC1 – PC4 |
| Power LED & keylock | J3/pins 1 - 5 | | |

USER CONFIGURABLE SETTINGS

| Function | Label | Position |
|--------------------------------|-------|-------------------|
| » CMOS memory normal operation | JP2 | Pins 1 & 2 closed |
| CMOS memory clear | JP2 | Pins 2 & 3 closed |
| On board video enabled | JP3 | Pins 2 & 3 closed |
| On board video disabled | JP3 | Pins 1 & 2 closed |
| PCI CLK select CPU CLK/2 | JP5D | Pins 1 & 2 closed |
| PCI CLK select 33MHz | JP5D | Pins 2 & 3 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 |

SIMM CONFIGURATION (CON'T)

| Size | Bank 0 | Bank 1 |
|-------|--------------|--------------|
| 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 VOLTAGE CONFIGURATION

| Voltage | JP4A | JP4B |
|---------|-------------------|-------------------|
| 3.3v | Pins 2 & 3 closed | Pins 2 & 3 closed |
| 5v | Pins 1 & 2 closed | Pins 1 & 2 closed |

CACHE CONFIGURATION

| Size | Bank 0 |
|-------|--------------|
| 512KB | (1) 64K x 64 |

VIDEO MEMORY CONFIGURATION

Note: The location of the video memory is unidentified.

CPU SPEED SELECTION (CX 6X86)

| CPU speed | Clock speed | Multiplier | JP5A | JP5B | JP5C | JP7A | JP7B | JP7C |
|-----------|-------------|------------|-------|-------|-------|-------|-------|------|
| 120MHz | 50MHz | 2x | 2 & 3 | 2 & 3 | 2 & 3 | 2 & 3 | 1 & 2 | Open |
| 133MHz | 55MHz | 2x | 1 & 2 | 2 & 3 | 2 & 3 | 2 & 3 | 1 & 2 | Open |
| 150MHz | 60MHz | 2x | 2 & 3 | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | Open |
| 166MHz | 66MHz | 2x | 2 & 3 | 1 & 2 | 2 & 3 | 2 & 3 | 1 & 2 | Open |

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86)

| CPU speed | Clock speed | Multiplier | JP5A | JP5B | JP5C | JP7A | JP7B | JP7C |
|-----------|-------------|------------|-------|-------|-------|-------|-------|------|
| 120MHz | 50MHz | 2x | 2 & 3 | 2 & 3 | 2 & 3 | 2 & 3 | 1 & 2 | Open |
| 133MHz | 55MHz | 2x | 1 & 2 | 2 & 3 | 2 & 3 | 2 & 3 | 1 & 2 | Open |
| 150MHz | 60MHz | 2x | 2 & 3 | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | Open |
| 166MHz | 66MHz | 2x | 2 & 3 | 1 & 2 | 2 & 3 | 2 & 3 | 1 & 2 | Open |

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L)

| CPU speed | Clock speed | Multiplier | JP5A | JP5B | JP5C | JP7A | JP7B | JP7C |
|-----------|-------------|------------|-------|-------|-------|-------|-------|------|
| 120MHz | 50MHz | 2x | 2 & 3 | 2 & 3 | 2 & 3 | 2 & 3 | 1 & 2 | Open |
| 133MHz | 55MHz | 2x | 1 & 2 | 2 & 3 | 2 & 3 | 2 & 3 | 1 & 2 | Open |
| 150MHz | 60MHz | 2x | 2 & 3 | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | Open |
| 166MHz | 66MHz | 2x | 2 & 3 | 1 & 2 | 2 & 3 | 2 & 3 | 1 & 2 | Open |

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L)

| CPU speed | Clock speed | Multiplier | JP5A | JP5B | JP5C | JP7A | JP7B | JP7C |
|-----------|-------------|------------|-------|-------|-------|-------|-------|------|
| 120MHz | 50MHz | 2x | 2 & 3 | 2 & 3 | 2 & 3 | 2 & 3 | 1 & 2 | Open |
| 133MHz | 55MHz | 2x | 1 & 2 | 2 & 3 | 2 & 3 | 2 & 3 | 1 & 2 | Open |
| 150MHz | 60MHz | 2x | 2 & 3 | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | Open |
| 166MHz | 66MHz | 2x | 2 & 3 | 1 & 2 | 2 & 3 | 2 & 3 | 1 & 2 | Open |

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)

| CPU speed | Clock speed | Multiplier | JP5A | JP5B | JP5C | JP7A | JP7B | JP7C |
|-----------|-------------|------------|-------|-------|-------|-------|-------|------|
| 200MHz | 75MHz | 2x | 1 & 2 | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | Open |
| 233MHz | 66MHz | 3x | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | 2 & 3 | Open |
| 233MHz | 75MHz | 2.5x | 1 & 2 | 2 & 3 | 1 & 2 | 2 & 3 | 2 & 3 | Open |

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX)

| CPU speed | Clock speed | Multiplier | JP5A | JP5B | JP5C | JP7A | JP7B | JP7C |
|-----------|-------------|------------|-------|-------|-------|-------|-------|------|
| 200MHz | 75MHz | 2x | 1 & 2 | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | Open |
| 233MHz | 66MHz | 3x | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | 2 & 3 | Open |
| 233MHz | 75MHz | 2.5x | 1 & 2 | 2 & 3 | 1 & 2 | 2 & 3 | 2 & 3 | Open |

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IDT C6)

| CPU speed | Clock speed | Multiplier | JP5A | JP5B | JP5C | JP7A | JP7B | JP7C |
|-----------|-------------|------------|-------|-------|-------|-------|-------|------|
| 150MHz | 60MHz | 2.5x | 2 & 3 | 2 & 3 | 1 & 2 | 2 & 3 | 2 & 3 | Open |
| 180MHz | 60MHz | 3x | 2 & 3 | 2 & 3 | 1 & 2 | 1 & 2 | 2 & 3 | Open |
| 200MHz | 66MHz | 3x | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | 2 & 3 | Open |

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)

| CPU speed | Clock speed | Multiplier | JP5A | JP5B | JP5C | JP7A | JP7B | JP7C |
|-----------|-------------|------------|-------|-------|-------|-------|-------|------|
| 166MHz | 66MHz | 2.5x | 2 & 3 | 1 & 2 | 2 & 3 | 2 & 3 | 2 & 3 | Open |
| 200MHz | 66MHz | 3x | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | 2 & 3 | Open |
| 233MHz | 66MHz | 3.5x | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | 1 & 2 | Open |

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)

| CPU speed | Clock speed | Multiplier | JP5A | JP5B | JP5C | JP7A | JP7B | JP7C |
|-----------|-------------|------------|-------|-------|-------|-------|-------|------|
| 75MHz | 50MHz | 1.5x | 2 & 3 | 2 & 3 | 2 & 3 | 1 & 2 | 1 & 2 | Open |
| 90MHz | 60MHz | 1.5x | 2 & 3 | 2 & 3 | 1 & 2 | 1 & 2 | 1 & 2 | Open |
| 100MHz | 66MHz | 1.5x | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | 1 & 2 | Open |
| 120MHz | 60MHz | 2x | 2 & 3 | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | Open |

| | | | | | | | | |
|--------|-------|------|-------|-------|-------|-------|-------|------|
| 133MHz | 66MHz | 2x | 2 & 3 | 1 & 2 | 2 & 3 | 2 & 3 | 1 & 2 | Open |
| 150MHz | 60MHz | 2.5x | 2 & 3 | 2 & 3 | 1 & 2 | 2 & 3 | 2 & 3 | Open |
| 166MHz | 66MHz | 2.5x | 2 & 3 | 1 & 2 | 2 & 3 | 2 & 3 | 2 & 3 | Open |
| 200MHz | 66MHz | 3x | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | 2 & 3 | Open |

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)

| CPU speed | Clock speed | Multiplier | JP5A | JP5B | JP5C | JP7A | JP7B | JP7C |
|-----------|-------------|------------|-------|-------|-------|-------|-------|------|
| 166MHz | 66MHz | 2.5x | 2 & 3 | 1 & 2 | 2 & 3 | 2 & 3 | 2 & 3 | Open |
| 200MHz | 66MHz | 3x | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | 2 & 3 | Open |
| 233MHz | 66MHz | 3.5x | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | 1 & 2 | Open |

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION

| Type | JP8A | JP8B |
|------------|-------------------|-------------------|
| AM K6 | Pins 1 & 2 closed | Pins 1 & 2 closed |
| CX 6X86 | Pins 1 & 2 closed | Pins 1 & 2 closed |
| CX 6X86L | Pins 1 & 2 closed | Pins 1 & 2 closed |
| CX 6X86MX | Pins 1 & 2 closed | Pins 1 & 2 closed |
| IBM 6X86 | Pins 1 & 2 closed | Pins 1 & 2 closed |
| IBM 6X86L | Pins 1 & 2 closed | Pins 1 & 2 closed |
| IBM 6X86MX | Pins 1 & 2 closed | Pins 1 & 2 closed |
| IDT C6 | Pins 2 & 3 closed | Pins 2 & 3 closed |
| Intel MMX | Pins 1 & 2 closed | Pins 1 & 2 closed |
| Intel P54C | Pins 2 & 3 closed | Pins 2 & 3 closed |

CPU VOLTAGE SELECTION

| Voltage | JP6A | JP6B | JP6C | JP6D | JP6E |
|---------|--------|--------|--------|--------|--------|
| 2.2v | Open | Open | Open | Open | Open |
| 2.8v | Closed | Open | Open | Open | Open |
| 2.9v | Open | Closed | Open | Open | Open |
| 3.2v | Open | Open | Closed | Open | Open |
| 3.3v | Open | Open | Open | Closed | Open |
| 3.5v | Open | Open | Open | Open | Closed |