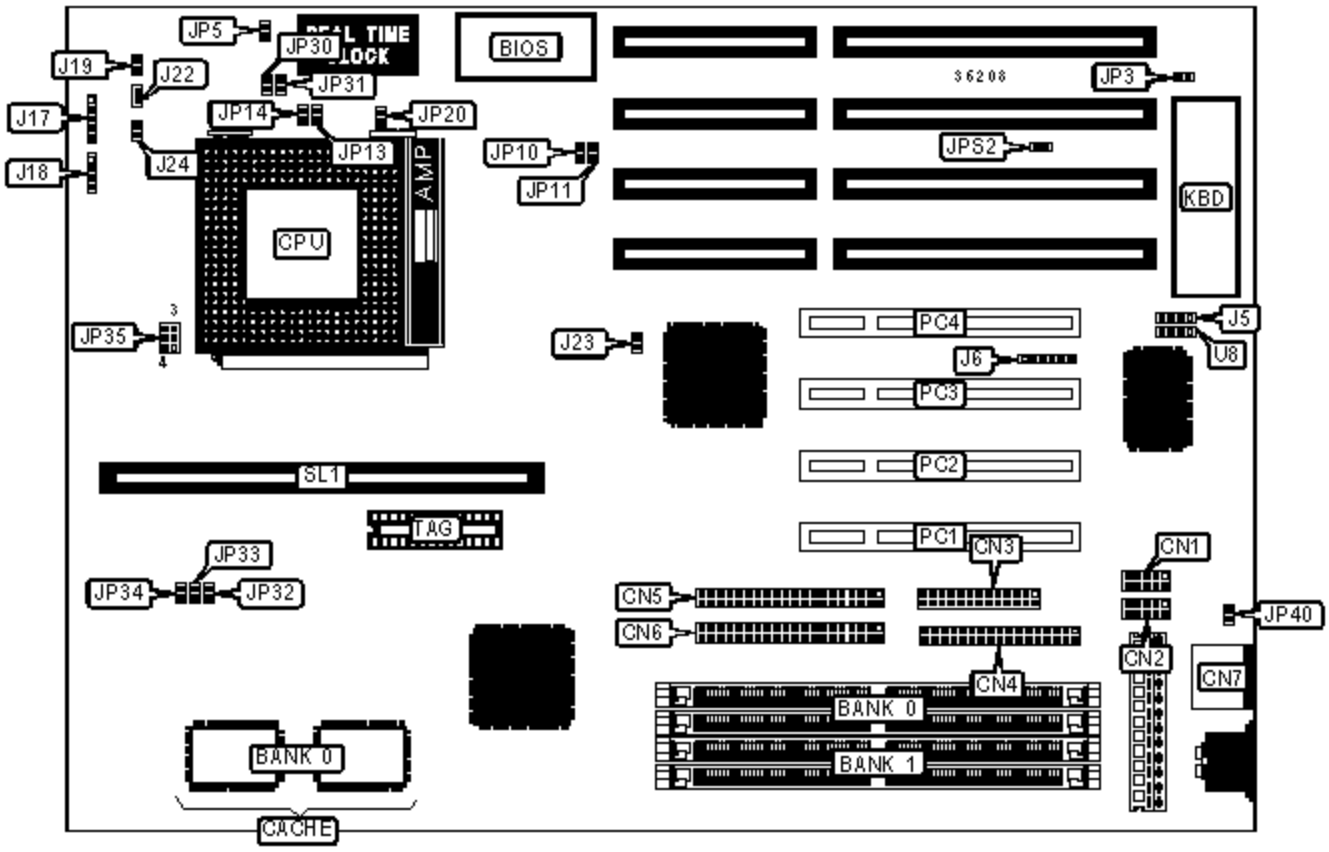
# SURIA COMPUTER CORPORATION

## SC-5THX

| | |
|---|---|
| **Processor** | CX 6x86/CX 6x86L/AM K5/Pentium/Pentium MMX |
| **Processor Speed** | 75/90/100/120/133/150/166/180/200MHz |
| **Chip Set** | Intel |
| **Maximum Onboard Memory** | 256MB (EDO supported) |
| **Cache** | 256/512KB |
| **BIOS** | Award |
| **Dimensions** | 330mm x 218mm |
| **I/O Options** | 32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), cache slot, USB connectors (2) |
| **NPU Options** | None |




| CONNECTIONS | | | |
|---|---|---|---|
| **Purpose** | **Location** | **Purpose** | **Location** |
| Serial port 1 | CN1 | Power LED & keylock | J17 |
| Serial port 2 | CN2 | Speaker | J18 |
| Parallel port | CN3 | Reset switch | J19 |
| Floppy drive interface | CN4 | Turbo LED | J22 |
| IDE interface 2 | CN5 | Green PC connector | J23 |
| IDE interface 1 | CN6 | IDE interface LED | J24 |
| PS/2 mouse port | CN7 | 32-bit PCI slots | |

| | | | |
|---|---|---|---|
| | | | PC1 - PC4 |
| USB connector 1 | J5 | Cache slot | SL1 |
| IR connector | J6 | USB connector 2 | U8 |

| USER CONFIGURABLE SETTINGS | | | |
|---|---|---|---|
| **Function** | | **Label** | **Position** |
| » | Monitor type select EGA/VGA | JP3 | Closed |
| | Monitor type select monochrome | JP3 | Open |
| » | CMOS memory normal operation | JP5 | Open |
| | CMOS memory clear | JP5 | Closed |
| » | Factory configured - do not alter | JP40 | Closed |
| » | PS/2 mouse disabled | JPS2 | Open |
| | PS/2 mouse enabled | JPS2 | Closed |

| SIMM CONFIGURATION | | |
|---|---|---|
| **Size** | **Bank 0** | **Bank 1** |
| 8MB | (2) 1M x 36 | None |
| 8MB | (2) 512K x 36 | (2) 512K x 36 |
| 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) 2M x 36 | (2) 2M x 36 |
| 40MB | (2) 4M x 36 | (2) 1M x 36 |
| 48MB | (2) 2M x 36 | (2) 4M x 36 |
| 64MB | (2) 8M x 36 | None |
| 64MB | (2) 4M x 36 | (2) 4M x 36 |
| 72MB | (2) 1M x 36 | (2) 8M x 36 |

| | | |
|---|---|---|
| 80MB | (2) 8M x 36 | (2) 2M x 36 |
| 96MB | (2) 4M x 36 | (2) 8M x 36 |
| 128MB | (2) 16M x 36 | None |
| 128MB | (2) 8M x 36 | (2) 8M x 36 |
| 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. Board also accepts x 32 SIMMs. | | |

| CACHE CONFIGURATION | | | |
|---|---|---|---|
| **Size** | **Bank 0** | **SL1** | **TAG** |
| 256KB | None | 256KB module installed | (1) 16K x 8 |
| 256KB | (2) 32K x 32 | None installed | (1) 16K x 8 |
| 512KB | (2) 32K x 32 | 256KB module installed | (1) 16K x 8 |

| CACHE JUMPER CONFIGURATION | |
|---|---|
| **Size** | **JP20** |
| 256KB | Open |
| 512KB | Closed |

| CPU SPEED SELECTION (CYRIX) | | | | | | |
|---|---|---|---|---|---|---|
| **CPU speed** | **Clock speed** | **Multiplier** | **JP10** | **JP11** | **JP13** | **JP14** |
| 120MHz | 50MHz | 2x | Closed | Closed | Closed | Open |
| 133MHz | 55MHz | 2x | Open | Open | Closed | Open |
| 150MHz | 60MHz | 2x | Closed | Open | Closed | Open |

| | | | | | | |
|---|---|---|---|---|---|---|
| 166MHz | 66MHz | 2x | Open | Closed | Closed | Open |

| CPU SPEED SELECTION (AMD) | | | | | | |
|---|---|---|---|---|---|---|
| **CPU speed** | **Clock speed** | **Multiplier** | **JP10** | **JP11** | **JP13** | **JP14** |
| 75MHz | 50MHz | 1.5x | Closed | Closed | Open | Open |
| 90MHz | 55MHz | 1.5x | Open | Open | Open | Open |
| 100MHz | 55MHz | 1.5x | Open | Open | Open | Open |
| 90MHz | 60MHz | 1.5x | Closed | Open | Open | Open |
| 100MHz | 66MHz | 1.5x | Open | Closed | Open | Open |
| 120MHz | 60MHz | 1.5x | Closed | Open | Open | Open |
| 133MHz | 66MHz | 1.5x | Open | Closed | Open | Open |
| 150MHz | 60MHz | 2x | Closed | Open | Closed | Open |
| 166MHz | 66MHz | 2x | Open | Closed | Closed | Open |

| CPU SPEED SELECTION (INTEL) | | | | | | |
|---|---|---|---|---|---|---|
| **CPU speed** | **Clock speed** | **Multiplier** | **JP10** | **JP11** | **JP13** | **JP14** |
| 75MHz | 50MHz | 1.5x | Closed | Closed | Open | Open |
| 90MHz | 60MHz | 1.5x | Closed | Open | Open | Open |
| 100MHz | 50MHz | 2x | Closed | Closed | Closed | Open |
| 100MHz | 66MHz | 1.5x | Closed | Open | Open | Open |
| 120MHz | 60MHz | 2x | Closed | Open | Closed | Open |
| 133MHz | 66MHz | 2x | Open | Closed | Closed | Open |
| 150MHz | 60MHz | 2.5x | Closed | Open | Closed | Closed |
| 166MHz | 66MHz | 2.5x | Open | Closed | Closed | Closed |
| 180MHz | 60MHz | 3x | Closed | Open | Open | Closed |
| 200MHz | 66MHz | 3x | Open | Closed | Open | Closed |

| CPU VOLTAGE SELECTION | | | | |
|---|---|---|---|---|
| **Voltage** | | **JP30** | **JP31** | **JP35** |
| » | 3.3V (Standard or VR) | Closed | Open | 2 & 3, 5 & 6 |
| | 3.45V - 3.6V (VRE) | Open | Closed | 2 & 3, 5 & 6 |
| Note: Pins designated are in the closed position | | | | |

| DUAL CPU VOLTAGE SELECTION | | | | |
|---|---|---|---|---|
| **Voltage** | **JP32** | **JP33** | **JP34** | **JP35** |
| 2.5V | Open | Open | Closed | 1 & 2, 4 & 5 |
| 2.7V - 2.8V | Open | Closed | Open | 1 & 2, 4 & 5 |
| 2.8V | Closed | Open | Open | 1 & 2, 4 & 5 |
| Note: Pins designated are in the closed position | | | | |