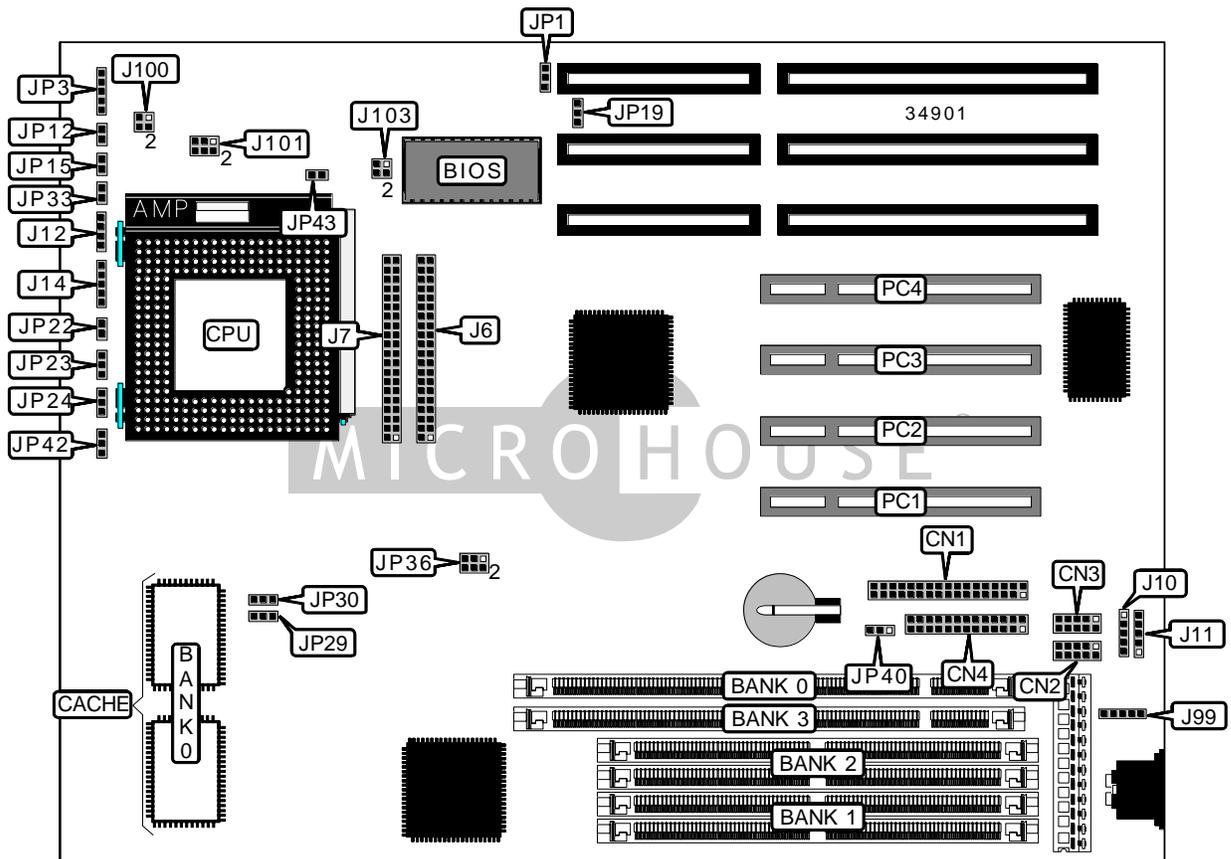


SHUTTLE COMPUTER INTERNATIONAL, INC.

HOT-565

| | |
|-------------------------------|---|
| Device Type | Mainboard |
| Processor | CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/AM K5/AM K6/Pentium |
| Processor Speed | 75/90/100/120/133/150/166/200/233MHz |
| Chip Set | Intel |
| Video Chip Set | None |
| Maximum Onboard Memory | 256MB (EDO & SDRAM supported) |
| Maximum Video Memory | None |
| Cache | 256/512KB |
| BIOS | Award |
| Dimensions | 280mm x 220mm |
| I/O Options | 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) |
| NPU Options | None |



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| CONNECTIONS | | | |
|------------------------|----------|---------------------|-----------|
| Purpose | Location | Purpose | Location |
| Floppy drive interface | CN1 | Chassis fan power | JP1 |
| Serial port 1 | CN2 | IR connector | JP3 |
| Serial port 2 | CN3 | Speaker | J12 |
| Parallel port | CN4 | Power LED & keylock | J14 |
| IDE interface 1 | J6 | Reset switch | JP12 |
| IDE interface 2 | J7 | Green PC connector | JP15 |
| USB connector 1 | J10 | IDE interface LED | JP22 |
| USB connector 2 | J11 | Green PC LED | JP33 |
| PS/2 mouse interface | J99 | 32-bit PCI slots | PC1 – PC4 |

| USER CONFIGURABLE SETTINGS | | |
|-------------------------------------|-------|-------------------|
| Function | Label | Position |
| Flash BIOS voltage select 12v | JP19 | Pins 1 & 2 closed |
| Flash BIOS voltage select 5v | JP19 | Pins 2 & 3 closed |
| í Factory configured - do not alter | JP29 | Unidentified |
| í Factory configured - do not alter | JP30 | Unidentified |
| í CMOS memory normal operation | JP40 | Pins 1 & 2 closed |
| CMOS memory clear | JP40 | Pins 2 & 3 closed |
| í Factory configured - do not alter | JP42 | Unidentified |

| SIMM CONFIGURATION | | |
|--------------------|-------------|-------------|
| Size | Bank 1 | Bank 2 |
| 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 |

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

| DIMM CONFIGURATION | | |
|--------------------|--------------|--------------|
| Size | Bank 0 | Bank 3 |
| 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) 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.

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| 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 | JP23 | JP24 | JP36 |
| 120MHz | 50MHz | 2x | Closed | Open | 1 & 2, 3 & 4, 5 & 6 |
| 133MHz | 55MHz | 2x | Closed | Open | 1 & 2, 5 & 6 |
| 150MHz | 60MHz | 2x | Closed | Open | 1 & 2, 3 & 4 |
| 166MHz | 66MHz | 2x | Closed | Open | 3 & 4, 5 & 6 |

Note: Pins designated should be in the closed position.

| CPU SPEED SELECTION (IBM 6X86) | | | | | |
|--------------------------------|-------------|------------|--------|------|---------------------|
| CPU speed | Clock speed | Multiplier | JP23 | JP24 | JP36 |
| 120MHz | 50MHz | 2x | Closed | Open | 1 & 2, 3 & 4, 5 & 6 |
| 133MHz | 55MHz | 2x | Closed | Open | 1 & 2, 5 & 6 |
| 150MHz | 60MHz | 2x | Closed | Open | 1 & 2, 3 & 4 |
| 166MHz | 66MHz | 2x | Closed | Open | 3 & 4, 5 & 6 |

Note: Pins designated should be in the closed position.

| CPU SPEED SELECTION (CX 6X86L) | | | | | |
|--------------------------------|-------------|------------|--------|------|---------------------|
| CPU speed | Clock speed | Multiplier | JP23 | JP24 | JP36 |
| 120MHz | 50MHz | 2x | Closed | Open | 1 & 2, 3 & 4, 5 & 6 |
| 133MHz | 55MHz | 2x | Closed | Open | 1 & 2, 5 & 6 |
| 150MHz | 60MHz | 2x | Closed | Open | 1 & 2, 3 & 4 |
| 166MHz | 66MHz | 2x | Closed | Open | 3 & 4, 5 & 6 |

Note: Pins designated should be in the closed position.

| CPU SPEED SELECTION (IBM 6X86L) | | | | | |
|---------------------------------|-------------|------------|--------|------|---------------------|
| CPU speed | Clock speed | Multiplier | JP23 | JP24 | JP36 |
| 120MHz | 50MHz | 2x | Closed | Open | 1 & 2, 3 & 4, 5 & 6 |
| 133MHz | 55MHz | 2x | Closed | Open | 1 & 2, 5 & 6 |
| 150MHz | 60MHz | 2x | Closed | Open | 1 & 2, 3 & 4 |
| 166MHz | 66MHz | 2x | Closed | Open | 3 & 4, 5 & 6 |

Note: Pins designated should be in the closed position.

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| CPU SPEED SELECTION (AM K5) | | | | | |
|-----------------------------|-------------|------------|--------|--------|---------------------|
| CPU speed | Clock speed | Multiplier | JP23 | JP24 | JP36 |
| 75MHz | 50MHz | 1.5x | Open | Open | 1 & 2, 3 & 4, 5 & 6 |
| 90MHz | 60MHz | 1.5x | Open | Open | 1 & 2, 3 & 4 |
| 100MHz | 66MHz | 1.5x | Open | Open | 3 & 4, 5 & 6 |
| 120MHz | 60MHz | 1.5x | Open | Open | 1 & 2, 3 & 4 |
| 133MHz | 66MHz | 1.5x | Open | Open | 3 & 4, 5 & 6 |
| 150MHz | 60MHz | 2.5x | Closed | Closed | 1 & 2, 3 & 4 |
| 166MHz | 66MHz | 2.5x | Closed | Closed | 3 & 4, 5 & 6 |
| 200MHz | 66MHz | 3x | Open | Closed | 3 & 4, 5 & 6 |

Note: Pins designated should be in the closed position.

| CPU SPEED SELECTION (AM K6) | | | | | |
|-----------------------------|-------------|------------|--------|--------|--------------|
| CPU speed | Clock speed | Multiplier | JP23 | JP24 | JP36 |
| 166MHz | 66MHz | 2.5x | Closed | Closed | 3 & 4, 5 & 6 |
| 200MHz | 66MHz | 3x | Open | Closed | 3 & 4, 5 & 6 |
| 233MHz | 66MHz | 3.5x | Open | Open | 3 & 4, 5 & 6 |

Note: Pins designated should be in the closed position.

| CPU SPEED SELECTION (INTEL) | | | | | |
|-----------------------------|-------------|------------|--------|--------|---------------------|
| CPU speed | Clock speed | Multiplier | JP23 | JP24 | JP36 |
| 75MHz | 50MHz | 1.5x | Open | Open | 1 & 2, 3 & 4, 5 & 6 |
| 90MHz | 60MHz | 1.5x | Open | Open | 1 & 2, 3 & 4 |
| 100MHz | 66MHz | 1.5x | Open | Open | 3 & 4, 5 & 6 |
| 120MHz | 60MHz | 2x | Closed | Open | 1 & 2, 3 & 4 |
| 133MHz | 66MHz | 2x | Closed | Open | 3 & 4, 5 & 6 |
| 150MHz | 60MHz | 2.5x | Closed | Closed | 1 & 2, 3 & 4 |
| 166MHz | 66MHz | 2.5x | Closed | Closed | 3 & 4, 5 & 6 |
| 200MHz | 66MHz | 3x | Open | Closed | 3 & 4, 5 & 6 |

Note: Pins designated should be in the closed position.

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| CPU SPEED SELECTION (INTEL MMX) | | | | | |
|---------------------------------|-------------|------------|--------|--------|--------------|
| CPU speed | Clock speed | Multiplier | JP23 | JP24 | JP36 |
| 150MHz | 60MHz | 2.5x | Closed | Closed | 1 & 2, 3 & 4 |
| 166MHz | 66MHz | 2.5x | Closed | Closed | 3 & 4, 5 & 6 |
| 200MHz | 66MHz | 3x | Open | Closed | 3 & 4, 5 & 6 |
| 233MHz | 66MHz | 3.5x | Open | Open | 3 & 4, 5 & 6 |

Note: Pins designated should be in the closed position.

| CPU VOLTAGE SELECTION (SINGLE) | | | |
|--------------------------------|-------------------|--------------------------|-------------------|
| Voltage | J100 | J101 | J103 |
| 3.3v | Pins 3 & 4 closed | Pins 1 & 3, 2 & 4 closed | Pins 2 & 3 closed |
| 3.52v | Pins 3 & 4 closed | Pins 1 & 3, 2 & 4 closed | Pins 1 & 2 closed |

| CPU VOLTAGE SELECTION (DUAL) | | | |
|------------------------------|-------------------|--------------------------|-------------------|
| V core | J100 | J101 | J103 |
| 2.8v | Pins 3 & 4 closed | Pins 3 & 5, 4 & 6 closed | Open |
| 2.9v | Pins 3 & 4 closed | Pins 3 & 5, 4 & 6 closed | Pins 2 & 4 closed |
| 3.2v | Pins 3 & 4 closed | Pins 3 & 5, 4 & 6 closed | Pins 3 & 4 closed |

Note: To increase voltage by 2.5%, open JP43.