# ZIDA TECHNOLOGIES INC.
# 5SVA (VER. 1.60), 5SVA-E (VER. 1.60)

| | |
|---|---|
| **Device Type** | Mainboard |
| **Processor** | CX 6X86/IBM 6X86/CX 6X86MX/IBM 6X86MX/AM K5/ AM K6/Pentium/Pentium MMX |
| **Processor Speed** | 90/100/120/133/150/166/180/200/233/266/300/333MHz |
| **Chip Set** | VIA VPX |
| **Video Chip Set** | None |
| **Maximum Onboard Memory** | 256MB (EDO & SDRAM supported) |
| **Maximum Video Memory** | None |
| **Cache** | 256/512KB |
| **BIOS** | Unidentified |
| **Dimensions** | 254mm x 218mm |
| **I/O Options** | 32-bit PCI slots (3), 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 |
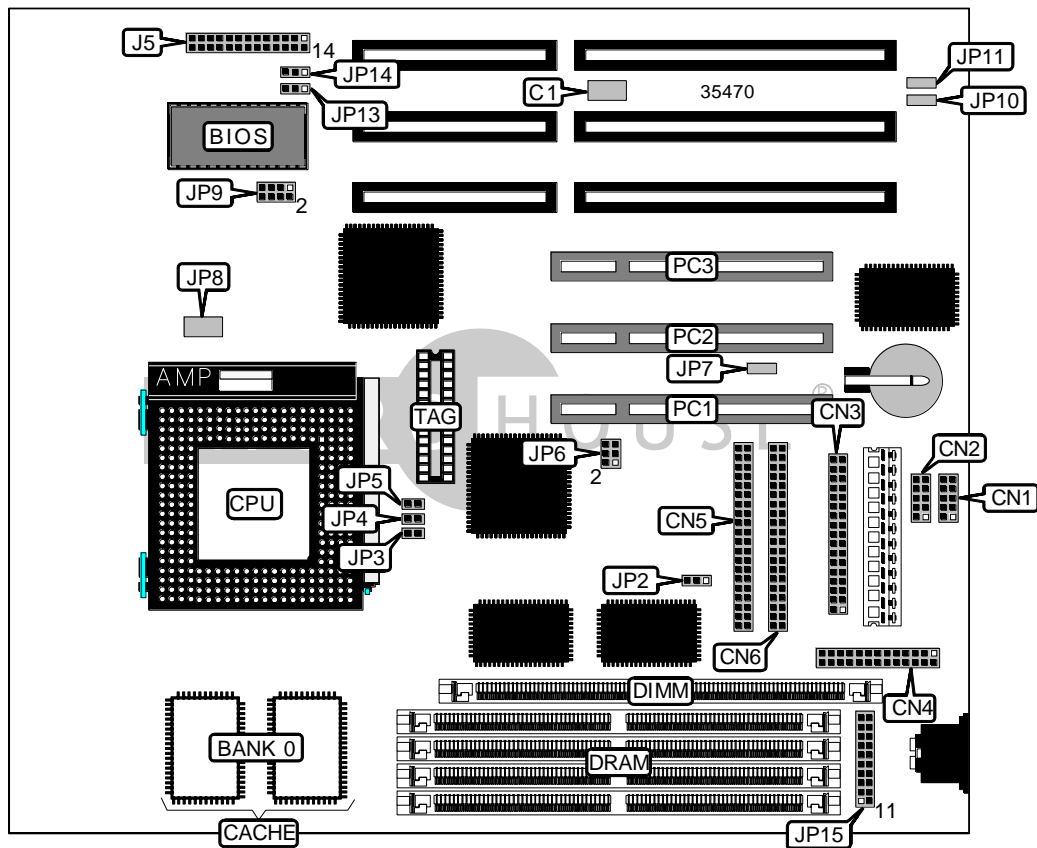
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| CONNECTIONS | | | |
|---|---|---|---|
| **Purpose** | **Location** | **Purpose** | **Location** |
| Serial port 1 | CN1 | IDE interface LED | J5/pins 14 & 15 |
| Serial port 2 | CN2 | Reset switch | J5/pins 22 & 23 |
| Floppy drive interface | CN3 | Turbo LED | J5/pins 25 & 26 |
| Parallel port | CN4 | USB connector 1 | JP15/pins 1 - 5 |
| IDE interface | CN5 | PS/2 mouse interface | JP15/pins 6 – 10 |
| IDE interface | CN6 | USB connector 2 | JP15/pins 11 – 15 |
| Power LED & keylock | J5/pins 1 – 5 | IR connector | JP15/pins 16 - 20 |
| Green PC connector | J5/pins 7 & 8 | 32-bit PCI slots | PC1 – PC3 |
| Speaker | J5/pins 10 – 13 | | |

| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| **Function** | **Label** | **Position** |
| í  Factory configured - do not alter | C1 | Unidentified |
| í  Factory configured - do not alter | JP7 | Unidentified |
| í  Factory configured - do not alter | JP10 | Unidentified |
| í  Factory configured - do not alter | JP11 | Unidentified |
| í  CMOS memory normal operation | JP14 | Pins 1 & 2 closed |
|    CMOS memory clear | JP14 | 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 |
| Note:    Board accepts EDO memory. | | |

# ZIDA TECHNOLOGIES INC.
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| DIMM CONFIGURATION | |
|---|---|
| **Size** | **Bank 2** |
| 8MB | (1) 1M x 64 |
| 16MB | (1) 2M x 64 |
| 32MB | (1) 4M x 64 |
| 64MB | (1) 8M x 64 |
| 128MB | (1) 16M x 64 |
| 256MB | (1) 32M x 64 |
| Note:   Board accepts EDO & SDRAM memory. | |

| 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** | **JP2** | **JP3** | **JP4** | **JP5** | **JP6** |
| 133MHz | 55MHz | 2x | 1 & 2 | Open | Closed | Open | 3 & 5, 4 & 6 |
| 150MHz | 60MHz | 2x | 2 & 3 | Open | Closed | Open | 1 & 3, 4 & 6 |
| 166MHz | 66MHz | 2x | 2 & 3 | Open | Closed | Open | 2 & 4, 3 & 5 |
| 200MHz | 75MHz | 2x | 1 & 2 | Open | Closed | Open | 1 & 3, 4 & 6 |
| 166MHz | 60MHz | 2.5x | 2 & 3 | Closed | Closed | Open | 1 & 3, 4 & 6 |
| Note:  Pins designated should be in the closed position. | | | | | | | |

| CPU SPEED SELECTION (IBM 6X86) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **CPU speed** | **Clock speed** | **Multiplier** | **JP2** | **JP3** | **JP4** | **JP5** | **JP6** |
| 133MHz | 55MHz | 2x | 1 & 2 | Open | Closed | Open | 3 & 5, 4 & 6 |
| 150MHz | 60MHz | 2x | 2 & 3 | Open | Closed | Open | 1 & 3, 4 & 6 |
| 166MHz | 66MHz | 2x | 2 & 3 | Open | Closed | Open | 2 & 4, 3 & 5 |
| 200MHz | 75MHz | 2x | 1 & 2 | Open | Closed | Open | 1 & 3, 4 & 6 |
| 166MHz | 60MHz | 2.5x | 2 & 3 | Closed | Closed | Open | 1 & 3, 4 & 6 |
| Note:  Pins designated should be in the closed position. | | | | | | | |

# ZIDA TECHNOLOGIES INC.
# 5SVA (VER. 1.60), 5SVA-E (VER. 1.60)

| CPU SPEED SELECTION (CX 6X86MX) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **CPU speed** | **Clock speed** | **Multiplier** | **JP2** | **JP3** | **JP4** | **JP5** | **JP6** |
| 200MHz | 75MHz | 2x | 1 & 2 | Open | Closed | Open | 1 & 3, 4 & 6 |
| 233MHz | 75MHz | 3x | 1 & 2 | Closed | Closed | Open | 1 & 3, 4 & 6 |
| 300MHz | 66MHz | 3.5x | 2 & 3 | Open | Open | Open | 2 & 4, 3 & 5 |
| 300MHz | 75MHz | 3x | 1 & 2 | Closed | Open | Open | 1 & 3, 4 & 6 |
| 333MHz | 75MHz | 3.5x | 1 & 2 | Open | Open | Open | 1 & 3, 4 & 6 |
| Note: Pins designated should be in the closed position. | | | | | | | |

| CPU SPEED SELECTION (IBM 6X86MX) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **CPU speed** | **Clock speed** | **Multiplier** | **JP2** | **JP3** | **JP4** | **JP5** | **JP6** |
| 200MHz | 75MHz | 2x | 1 & 2 | Open | Closed | Open | 1 & 3, 4 & 6 |
| 233MHz | 75MHz | 3x | 1 & 2 | Closed | Closed | Open | 1 & 3, 4 & 6 |
| 300MHz | 66MHz | 3.5x | 2 & 3 | Open | Open | Open | 2 & 4, 3 & 5 |
| 300MHz | 75MHz | 3x | 1 & 2 | Closed | Open | Open | 1 & 3, 4 & 6 |
| 333MHz | 75MHz | 3.5x | 1 & 2 | Open | Open | Open | 1 & 3, 4 & 6 |
| Note: Pins designated should be in the closed position. | | | | | | | |

| CPU SPEED SELECTION (AM K5) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **CPU speed** | **Clock speed** | **Multiplier** | **JP2** | **JP3** | **JP4** | **JP5** | **JP6** |
| 90MHz | 60MHz | 1.5x | 2 & 3 | Open | Open | Closed | 1 & 3, 4 & 6 |
| 100MHz | 66MHz | 1.5x | 2 & 3 | Open | Open | Closed | 2 & 4, 3 & 5 |
| 133MHz | 66MHz | 1.5x | 2 & 3 | Open | Open | Closed | 2 & 4, 3 & 5 |
| 150MHz | 60MHz | 1.75x | 2 & 3 | Closed | Closed | Open | 1 & 3, 4 & 6 |
| 166MHz | 66MHz | 1.75x | 2 & 3 | Closed | Closed | Open | 2 & 4, 3 & 5 |
| Note: Pins designated should be in the closed position. | | | | | | | |

| CPU SPEED SELECTION (AM K6) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **CPU speed** | **Clock speed** | **Multiplier** | **JP2** | **JP3** | **JP4** | **JP5** | **JP6** |
| 166MHz | 66MHz | 2.5x | 2 & 3 | Closed | Closed | Open | 2 & 4, 3 & 5 |
| 200MHz | 66MHz | 3x | 2 & 3 | Closed | Open | Open | 2 & 4, 3 & 5 |
| 233MHz | 66MHz | 3.5x | 2 & 3 | Open | Open | Open | 2 & 4, 3 & 5 |
| 266MHz | 66MHz | 4x | 2 & 3 | Open | Closed | Closed | 2 & 4, 3 & 5 |
| 300MHz | 66MHz | 4.5x | 2 & 3 | Closed | Closed | Closed | 2 & 4, 3 & 5 |
| 333MHz | 66MHz | 5x | 2 & 3 | Closed | Open | Closed | 2 & 4, 3 & 5 |
| Note: Pins designated should be in the closed position. | | | | | | | |

# ZIDA TECHNOLOGIES INC.
# 5SVA (VER. 1.60), 5SVA-E (VER. 1.60)

| CPU SPEED SELECTION (INTEL) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **CPU speed** | **Clock speed** | **Multiplier** | **JP2** | **JP3** | **JP4** | **JP5** | **JP6** |
| 90MHz | 60MHz | 1.5x | 2 & 3 | Open | Open | Closed | 1 & 3, 4 & 6 |
| 100MHz | 66MHz | 1.5x | 2 & 3 | Open | Open | Closed | 2 & 4, 3 & 5 |
| 120MHz | 60MHz | 2x | 2 & 3 | Open | Closed | Open | 1 & 3, 4 & 6 |
| 133MHz | 66MHz | 2x | 2 & 3 | Open | Closed | Open | 2 & 4, 3 & 5 |
| 150MHz | 60MHz | 2.5x | 2 & 3 | Closed | Closed | Open | 1 & 3, 4 & 6 |
| 166MHz | 66MHz | 2.5x | 2 & 3 | Closed | Closed | Open | 2 & 4, 3 & 5 |
| 180MHz | 60MHz | 3x | 2 & 3 | Closed | Open | Open | 1 & 3, 4 & 6 |
| 200MHz | 66MHz | 3x | 2 & 3 | Closed | Open | Open | 2 & 4, 3 & 5 |
| Note: Pins designated should be in the closed position. | | | | | | | |

| CPU SPEED SELECTION (INTEL MMX) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **CPU speed** | **Clock speed** | **Multiplier** | **JP2** | **JP3** | **JP4** | **JP5** | **JP6** |
| 166MHz | 66MHz | 2.5x | 2 & 3 | Closed | Closed | Open | 2 & 4, 3 & 5 |
| 200MHz | 66MHz | 3x | 2 & 3 | Closed | Open | Open | 2 & 4, 3 & 5 |
| 233MHz | 66MHz | 3.5x | 2 & 3 | Open | Open | Open | 2 & 4, 3 & 5 |
| Note: Pins designated should be in the closed position. | | | | | | | |

| CPU VOLTAGE SELECTION (SINGLE) | | | |
|---|---|---|---|
| **Voltage** | **JP8** | **JP9** | **JP13** |
| 3.5v | Open | Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8 closed | Open |

| CPU VOLTAGE SELECTION (DUAL) | | | | |
|---|---|---|---|---|
| **Voltage** | **V core** | **JP8** | **JP9** | **JP13** |
| 3.3v | 2.2v | Open | Pins 3 & 4 closed | Pins 1 & 2 closed |
| 3.3v | 2.8v | Open | Pins 7 & 8 closed | Pins 1 & 2 closed |
| 3.3v | 2.9v | Open | Pins 1 & 2, 7 & 8 closed | Pins 1 & 2 closed |
| 3.3v | 3.2v | Open | Pins 5 & 6, 7 & 8 closed | Pins 1 & 2 closed |