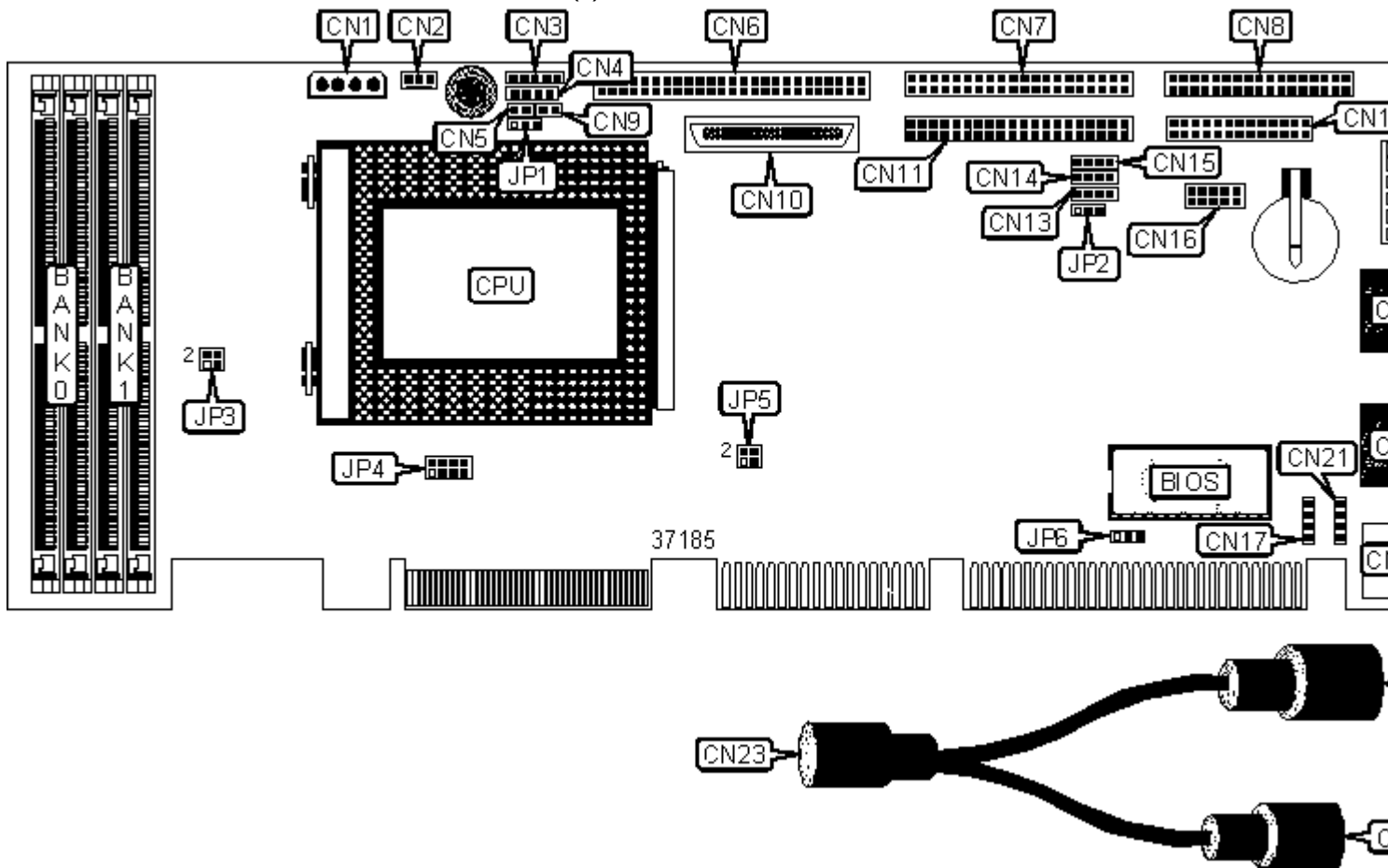


# EMAC, INC.

## SBC-670S

|                               |   |
|-------------------------------|---|
| <b>Device Type</b>            | Single Board Computer   |
| <b>Processor</b>              | Pentium Pro   |
| <b>Processor Speed</b>        | 150/166/180/200MHz  |
| <b>Chip Set</b>               | Intel 440FX   |
| <b>Maximum Onboard Memory</b> | 128MB (EDO, BEDO & FPM DRAM supported)  |
| <b>Cache</b>                  | Unidentified  |
| <b>BIOS</b>                   | AMI   |
| <b>Dimensions</b>             | 338mm x 122mm   |
| <b>I/O Options</b>            | Floppy drive interface, GPIO connector, IDE interfaces (2), IR connector, Keyboard interface, Parallel interface, Power connector, Keyboard/PS/2 mouse port, Mouse interface, SCSI-2 interface, Serial ports (2), USB interfaces (2), Wide Ultra SCSI interface |



### CONNECTIONS

| Purpose           | Location | Purpose         | Location |
|-------------------|----------|-----------------|----------|
| Fan power 1       | CN1      | USB interface 2 | CN14     |
| Fan power 2       | CN2      | IR connector    | CN15     |
| Keylock           | CN3      | GPIO connector  | CN16     |
| IDE interface LED | CN4      | Mouse interface | CN17     |

|                           |      |  |      |
|---------------------------|------|--|------|
| Speaker                   | CN5  | Power connector                            | CN18 |
| SCSI-2 interface          | CN6  | Serial port 1                              | CN19 |
| IDE interface 1           | CN7  | Serial port 2                              | CN20 |
| Floppy drive interface    | CN8  | Keyboard interface                         | CN21 |
| Reset switch              | CN9  | PS/2 mouse/keyboard port                   | CN22 |
| Wide Ultra SCSI interface | CN10 | PS/2 mouse/keyboard port adapter connector | CN23 |
| IDE interface 2           | CN11 | AT keyboard connector                      | CN24 |
| Parallel interface        | CN12 | PS/2 mouse connector                       | CN25 |
| USB interface 1           | CN13 |  |      |

### USER CONFIGURABLE SETTINGS

| Function |                                      | Label | Position          |
|----------|--------------------------------------|-------|-------------------|
| »        | SCSI termination enabled             | JP1   | Pins 1 & 2 closed |
|          | SCSI termination select by SCSI BIOS | JP1   | Pins 2 & 3 closed |
| »        | Factory configured - do not alter    | JP2   | Unidentified      |

### SIMM CONFIGURATION

| Size | Bank 0        | Bank 1        |
|------|---------------|---------------|
| 2MB  | (2) 256K x 36 | None          |
| 4MB  | (2) 512K x 36 |               |
| 4MB  | (2) 256K x 36 | (2) 256K x 36 |
| 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) 1M x 36   | (2) 2M x 36   |
| 32MB | (2) 4M x 36   | None          |
| 32MB | (2) 2M x 36   | (2) 2M x 36   |

|       |              |             |
|-------|--------------|-------------|
| 40MB  | (2) 1M x 36  | (2) 4M x 36 |
| 48MB  | (2) 2M x 36  | (2) 4M x 36 |
| 64MB  | (2) 4M x 36  | (2) 4M x 36 |
| 64MB  | (2) 8M x 36  | None        |
| 72MB  | (2) 1M x 36  | (2) 8M x 36 |
| 80MB  | (2) 2M x 36  | (2) 8M x 36 |
| 96MB  | (2) 4M x 36  | (2) 8M x 36 |
| 128MB | (2) 8M x 36  | (2) 8M x 36 |
| 128MB | (2) 16M x 36 | None        |

Note: Board accepts EDO, BEDO & Fast Page DRAM memory.

#### FLASH DEVICE SELECTION

| Device Type |           | JP6               |
|-------------|-----------|-------------------|
| »           | 1MB (5V)  | Open              |
|             | 1MB (12V) | Pins 1 & 2 closed |
|             | 2MB       | Pins 2 & 3 closed |

#### CPU BUS SPEED SELECTION

| Bus Speed |       | JP3/Pins 1 & 2 | JP3/Pins 3 & 4 |
|-----------|-------|----------------|----------------|
|           | 60MHz | Closed         | Open           |
| »         | 66MHz | Open           | Closed         |

#### CPU MULTIPLIER SELECTION

| Multiplier | JP4/Pins 1 & 2 | JP4/Pins 3 & 4 | JP4/Pins 5 & 6 | JP4/Pins 7 & 8 |
|------------|----------------|----------------|----------------|----------------|
|            | Closed         | Closed         | Closed         | Closed         |
|            | Open           | Closed         | Closed         | Closed         |
| »          | Closed         | Open           | Closed         | Closed         |
|            | Open           | Open           | Closed         | Closed         |

|  |      |        |        |      |        |
|--|------|--------|--------|------|--------|
|  | 4.0x | Closed | Closed | Open | Closed |
|--|------|--------|--------|------|--------|

| <b>CPU CLOCK SELECTION</b> |                        |                           |                           |
|----------------------------|------------------------|---------------------------|---------------------------|
|                            | <b>CPU Clock Speed</b> | <b>JP5/Pins 1 &amp; 2</b> | <b>JP5/Pins 3 &amp; 4</b> |
|                            | 50MHz                  | Closed                    | Closed                    |
|                            | 60MHz                  | Closed                    | Open                      |
| »                          | 66MHz                  | Open                      | Closed                    |