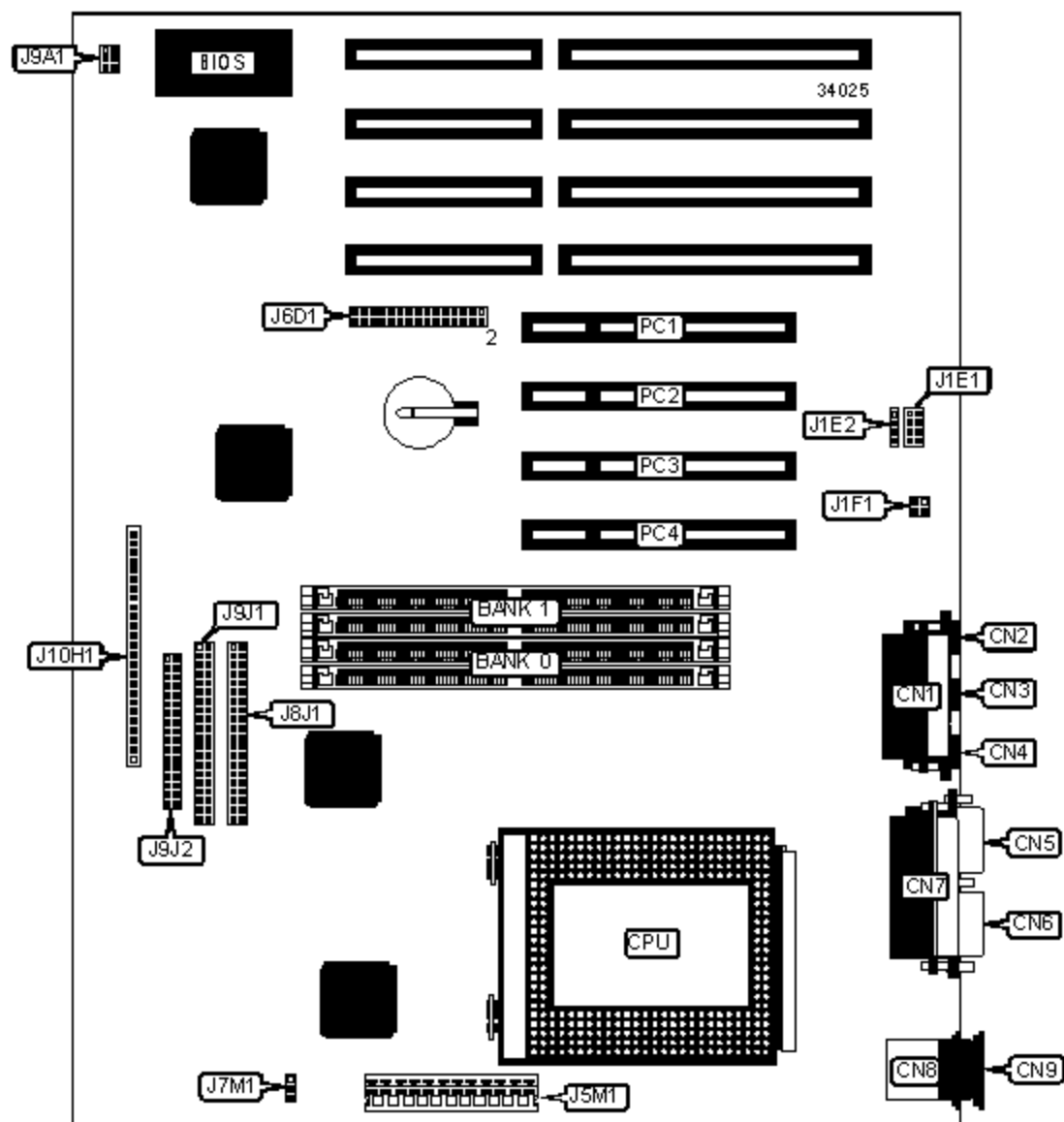


# MAGITRONICS

## A-PX680-200C

|                               |                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Processor</b>              | Pentium Pro                                                                                                                                                                                                                                                                                                       |
| <b>Processor Speed</b>        | 150/166/180/200MHz                                                                                                                                                                                                                                                                                                |
| <b>Chip Set</b>               | Intel                                                                                                                                                                                                                                                                                                             |
| <b>Video Chip Set</b>         | None                                                                                                                                                                                                                                                                                                              |
| <b>Maximum Onboard Memory</b> | 256MB (EDO supported)                                                                                                                                                                                                                                                                                             |
| <b>Maximum Video Memory</b>   | None                                                                                                                                                                                                                                                                                                              |
| <b>Cache</b>                  | 256/512KB (located on Pentium Pro CPU)                                                                                                                                                                                                                                                                            |
| <b>BIOS</b>                   | Intel                                                                                                                                                                                                                                                                                                             |
| <b>Dimensions</b>             | 305mm x 244mm                                                                                                                                                                                                                                                                                                     |
| <b>I/O Options</b>            | 32-bit PCI slots (4), CD-ROM interface, floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, wavetable connector, telephony connector, audio out connector, microphone in connector, audio in connector, MIDI/game port, PS/2 keyboard |
| <b>NPU Options</b>            | None                                                                                                                                                                                                                                                                                                              |



| CONNECTIONS             |          |                   |          |
|-------------------------|----------|-------------------|----------|
| Purpose                 | Location | Purpose           | Location |
| MIDI/game port          | CN1      | Chassis fan power | J7M1     |
| Microphone in connector | CN2      | IDE interface 1   | J8J1     |
| Audio in connector      | CN3      | Chassis fan power | J9A1     |
| Audio out connector     | CN4      | IDE interface 2   | J9J1     |

|                     |      |                          |                    |
|---------------------|------|--------------------------|--------------------|
| Serial port 1       | CN5  | Floppy drive interface   | J9J2               |
| Serial port 2       | CN6  | Front panel power switch | J10H1/pins 1 & 2   |
| Parallel port       | CN7  | Green PC connector       | J10H1/pins 3 & 4   |
| PS/2 mouse port     | CN8  | IR connector             | J10H1/pins 6 - 11  |
| PS/2 keyboard       | CN9  | IDE interface LED        | J10H1/pins 13 - 16 |
| Wavetable connector | J1E1 | Power LED                | J10H1/pins 18 - 20 |
| CD-ROM connector    | J1E2 | Reset switch             | J10H1/pins 22 - 23 |
| Telephony connector | J1F1 | Speaker                  | J10H1/pins 24 - 27 |
| Power connector     | J5M1 | 32-bit PCI slots         | PC1 - PC4          |

| USER CONFIGURABLE SETTINGS |                              |       |                     |  |
|----------------------------|------------------------------|-------|---------------------|--|
| Function                   |                              | Label | Position            |  |
| »                          | CMOS memory normal operation | J6D1  | Pins 20 & 22 closed |  |
|                            | CMOS memory clear            | J6D1  | Pins 18 & 20 closed |  |
| »                          | Password enabled             | J6D1  | Pins 27 & 29 closed |  |

|   |                             |      |                     |
|---|-----------------------------|------|---------------------|
|   | Password disabled           | J6D1 | Pins 25 & 27 closed |
| » | Setup access enabled        | J6D1 | Pins 28 & 30 closed |
|   | Setup access disabled       | J6D1 | Pins 26 & 28 closed |
| » | Flash BIOS normal operation | J6D1 | Pins 4 & 6 closed   |
|   | Flash BIOS recovery mode    | J6D1 | Pins 2 & 4 closed   |

| DRAM 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) 1M x 36 | (2) 4M 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) 16M x 36 | None        |
| 128MB | (2) 8M x 36  | (2) 8M x 36 |
| 136MB | (2) 16M x 36 | (2) 1M x 36 |

| DRAM CONFIGURATION (CON'T)                                                                |              |              |
|-------------------------------------------------------------------------------------------|--------------|--------------|
| Size                                                                                      | Bank 0       | Bank 1       |
| 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. Banks are interchangeable. |              |              |

|                     |
|---------------------|
| CACHE CONFIGURATION |
|---------------------|

Note: 256KB or 512KB cache is located on the Pentium Pro CPU.

| CPU SPEED SELECTION                                     |             |            |                           |
|---------------------------------------------------------|-------------|------------|---------------------------|
| CPU speed                                               | Clock speed | Multiplier | J6D1                      |
| 150MHz                                                  | 60MHz       | 2.5x       | 10 & 12, 11 & 13, 17 & 19 |
| 166MHz                                                  | 66MHz       | 2.5x       | 10 & 12, 11 & 13, 19 & 21 |
| 180MHz                                                  | 60MHz       | 3x         | 9 & 11, 12 & 14, 17 & 19  |
| 200MHz                                                  | 66MHz       | 3x         | 9 & 11, 12 & 14, 19 & 21  |
| Note: Pins designated should be in the closed position. |             |            |                           |