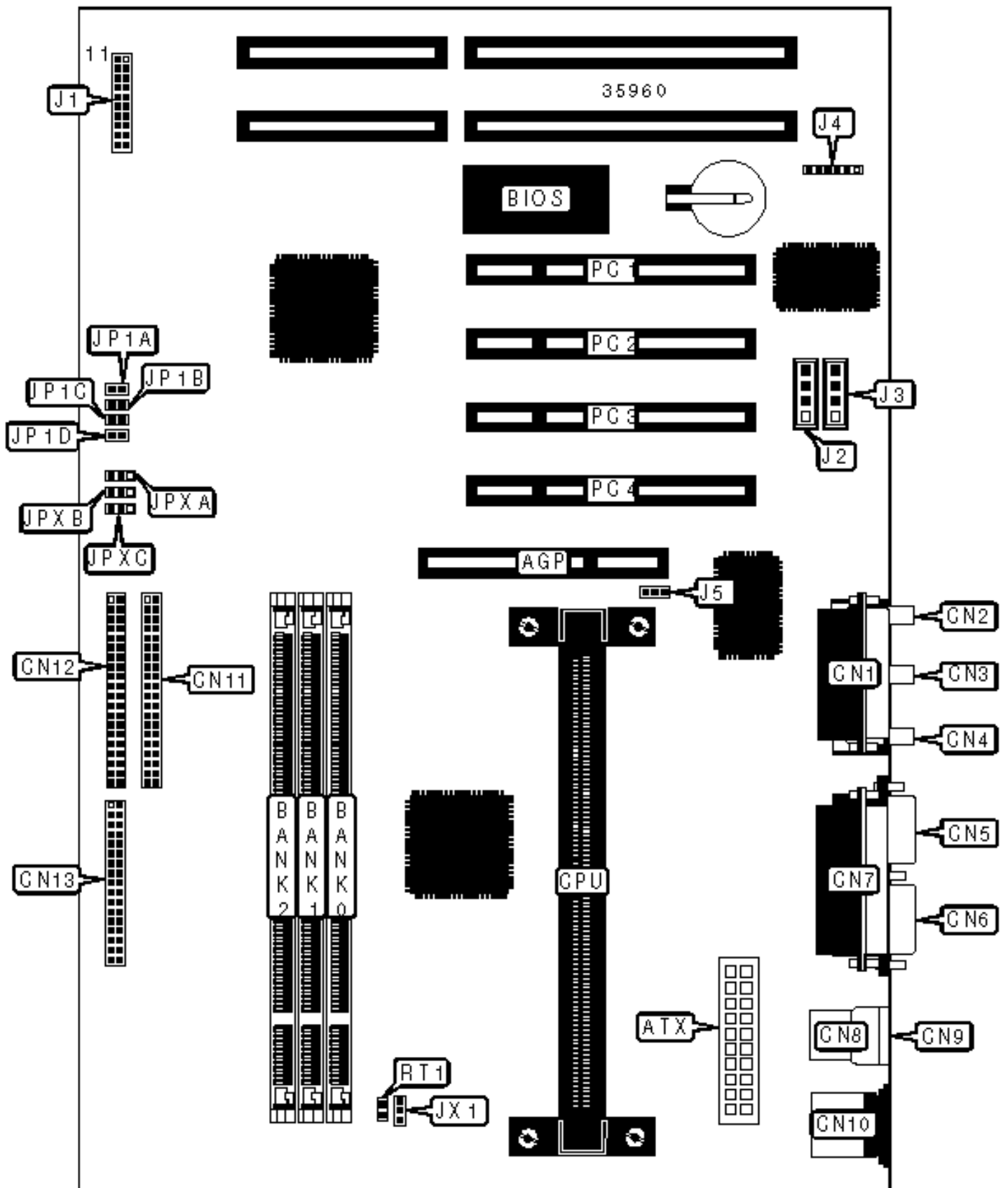


# DATAEXPERT CORPORATION

MLX8440-OS

## Configuration



## CONNECTIONS

| Purpose                | Location | Purpose                       | Location        |
|------------------------|----------|-------------------------------|-----------------|
| AGP slot               | AGP      | Power LED & keylock           | J1/pins 1 - 5   |
| ATX power connector    | ATX      | IDE interface LED             | J1/pins 6 & 16  |
| Game/MIDI port         | CN1      | Green PC LED                  | J1/pins 7 & 17  |
| Microphone in          | CN2      | Green PC connector            | J1/pins 8 & 18  |
| Line in                | CN3      | Soft off power supply         | J1/pins 9 & 19  |
| Line out               | CN4      | Reset switch                  | J1/pins 10 & 20 |
| Serial port 2          | CN5      | Speaker                       | J1/pins 11 - 14 |
| Serial port 1          | CN6      | Audio in - CD-ROM (Panasonic) | J2              |
| Parallel port          | CN7      | Audio in - CD-ROM (Sony)      | J3              |
| USB connector 1        | CN8      | IR connector                  | J4              |
| USB connector 2        | CN9      | Chassis fan power             | J5              |
| PS/2 mouse port        | CN10     | CPU fan power                 | JX1             |
| IDE interface 2        | CN11     | Thermistor connector          | RT1             |
| IDE interface 1        | CN12     | 32-bit PCI slots              | PC1 - PC4       |
| Floppy drive interface | CN13     |                               |                 |

## DIMM CONFIGURATION

| Size | Bank 0      | Bank 1      | Bank 2      |
|------|-------------|-------------|-------------|
| 8MB  | (1) 1M x 64 | None        | None        |
| 16MB | (1) 2M x 64 | None        | None        |
| 16MB | (1) 1M x 64 | (1) 1M x 64 | None        |
| 24MB | (1) 2M x 64 | (1) 1M x 64 | None        |
| 24MB | (1) 1M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 32MB | (1) 4M x 64 | None        | None        |

|      |             |             |             |
|------|-------------|-------------|-------------|
| 32MB | (1) 2M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 32MB | (1) 2M x 64 | (1) 2M x 64 | None        |
| 40MB | (1) 4M x 64 | (1) 1M x 64 | None        |
| 40MB | (1) 2M x 64 | (1) 2M x 64 | (1) 1M x 64 |
| 48MB | (1) 4M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 48MB | (1) 4M x 64 | (1) 2M x 64 | None        |
| 48MB | (1) 2M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 56MB | (1) 4M x 64 | (1) 2M x 64 | (1) 1M x 64 |
| 64MB | (1) 8M x 64 | None        | None        |
| 64MB | (1) 4M x 64 | (1) 2M x 64 | (1) 2M x 64 |
| 64MB | (1) 4M x 64 | (1) 4M x 64 | None        |
| 72MB | (1) 8M x 64 | (1) 1M x 64 | None        |
| 72MB | (1) 4M x 64 | (1) 4M x 64 | (1) 1M x 64 |
| 80MB | (1) 8M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 80MB | (1) 8M x 64 | (1) 2M x 64 | None        |
| 80MB | (1) 4M x 64 | (1) 4M x 64 | (1) 2M x 64 |

| DIMM CONFIGURATION (CON'T) |              |             |             |
|----------------------------|--------------|-------------|-------------|
| Size                       | Bank 0       | Bank 1      | Bank 2      |
| 88MB                       | (1) 8M x 64  | (1) 2M x 64 | (1) 1M x 64 |
| 96MB                       | (1) 8M x 64  | (1) 2M x 64 | (1) 2M x 64 |
| 96MB                       | (1) 8M x 64  | (1) 4M x 64 | None        |
| 96MB                       | (1) 4M x 64  | (1) 4M x 64 | (1) 4M x 64 |
| 104MB                      | (1) 8M x 64  | (1) 4M x 64 | (1) 1M x 64 |
| 112MB                      | (1) 8M x 64  | (1) 4M x 64 | (1) 2M x 64 |
| 128MB                      | (1) 16M x 64 | None        | None        |

|                                         |              |              |              |
|-----------------------------------------|--------------|--------------|--------------|
| 128MB                                   | (1) 8M x 64  | (1) 4M x 64  | (1) 4M x 64  |
| 128MB                                   | (1) 8M x 64  | (1) 8M x 64  | None         |
| 136MB                                   | (1) 16M x 64 | (1) 1M x 64  | None         |
| 136MB                                   | (1) 8M x 64  | (1) 8M x 64  | (1) 1M x 64  |
| 144MB                                   | (1) 16M x 64 | (1) 1M x 64  | (1) 1M x 64  |
| 144MB                                   | (1) 16M x 64 | (1) 2M x 64  | None         |
| 144MB                                   | (1) 8M x 64  | (1) 8M x 64  | (1) 2M x 64  |
| 152MB                                   | (1) 16M x 64 | (1) 2M x 64  | (1) 1M x 64  |
| 160MB                                   | (1) 16M x 64 | (1) 2M x 64  | (1) 2M x 64  |
| 160MB                                   | (1) 16M x 64 | (1) 4M x 64  | None         |
| 160MB                                   | (1) 8M x 64  | (1) 8M x 64  | (1) 4M x 64  |
| 168MB                                   | (1) 16M x 64 | (1) 4M x 64  | (1) 1M x 64  |
| 192MB                                   | (1) 16M x 64 | (1) 4M x 64  | (1) 4M x 64  |
| 192MB                                   | (1) 16M x 64 | (1) 8M x 64  | None         |
| 192MB                                   | (1) 8M x 64  | (1) 8M x 64  | (1) 8M x 64  |
| 200MB                                   | (1) 16M x 64 | (1) 8M x 64  | (1) 1M x 64  |
| 208MB                                   | (1) 16M x 64 | (1) 8M x 64  | (1) 2M x 64  |
| 224MB                                   | (1) 16M x 64 | (1) 8M x 64  | (1) 4M x 64  |
| 256MB                                   | (1) 16M x 64 | (1) 8M x 64  | (1) 8M x 64  |
| 384MB                                   | (1) 16M x 64 | (1) 16M x 64 | (1) 16M x 64 |
| Note: Board accepts EDO & SDRAM memory. |              |              |              |

|                                                                                                            |
|------------------------------------------------------------------------------------------------------------|
| CACHE CONFIGURATION                                                                                        |
| e: 256KB/512KB cache is located on the Pentium II CPU. 128KB cache is located on the Celeron 300A & 333 CP |

|                     |
|---------------------|
| CPU SPEED SELECTION |
|---------------------|

| CPU speed                                               | Clock speed | Multiplier | JPXA  | JPXB  | JPXC  |
|---------------------------------------------------------|-------------|------------|-------|-------|-------|
| 233MHz                                                  | 66MHz       | 3.5x       | 2 & 3 | 2 & 3 | 2 & 3 |
| 266MHz                                                  | 66MHz       | 4x         | 2 & 3 | 2 & 3 | 2 & 3 |
| 300MHz                                                  | 66MHz       | 4.5x       | 2 & 3 | 2 & 3 | 2 & 3 |
| 333MHz                                                  | 66MHz       | 5x         | 2 & 3 | 2 & 3 | 2 & 3 |
| Note: Pins designated should be in the closed position. |             |            |       |       |       |

| CPU SPEED SELECTION (CON'T) |             |            |        |        |        |        |
|-----------------------------|-------------|------------|--------|--------|--------|--------|
| CPU speed                   | Clock speed | Multiplier | JP1A   | JP1B   | JP1C   | JP1D   |
| 233MHz                      | 66MHz       | 3.5x       | Open   | Open   | Closed | Closed |
| 266MHz                      | 66MHz       | 4x         | Closed | Closed | Open   | Closed |
| 300MHz                      | 66MHz       | 4.5x       | Open   | Closed | Open   | Closed |
| 333MHz                      | 66MHz       | 5x         | Closed | Open   | Open   | Closed |