# DELL COMPUTER CORPORATION
# S Y S T E M   4 8 6 P

| | |
|---|---|
| **Processor** | 80486DX |
| **Processor Speed** | 16/20/25/33MHz |
| **Chip Set** | VLSI |
| **Max. Onboard DRAM** | 64MB |
| **Cache** | None |
| **BIOS** | Phoenix |
| **Dimensions** | 349mm x 185mm |
| **I/O Options** | Bus mouse port, floppy interface, IDE interface, parallel port, riser card slot, serial ports (2), video upgrade socket, VGA port |
| **NPU Options** | None |



| CONNECTIONS | | | |
|---|---|---|---|
| Purpose | Location | Purpose | Location |
| 16-bit riser card | EXP1 | Auxiliary ground points | GND |
| IDE interface LED | JHDLED | IDE interface | JIDE |
| External battery | JBAT | Power LED & turbo LED | JLED |
| Serial port 1 | JCOM1 | Parallel port | JLPT1 |
| Serial port 2 | JCOM2 | Bus mouse port | JMOUSE |
| Cooling fan power | JFAN | VGA memory upgrade socket | JVDB |
| VGA pass-through | JFEAT | Front panel status LCD | JVIEW |
| Floppy drive interface | JFLOP | VGA port | JVGA |
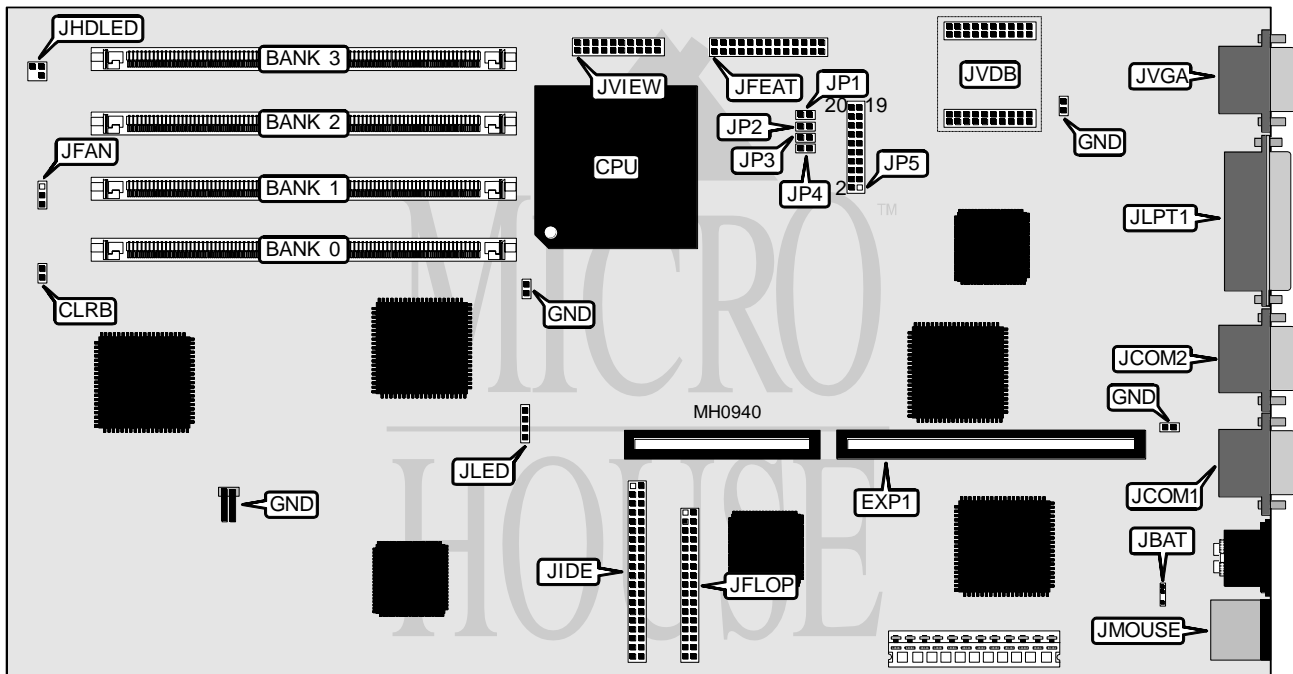
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| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| Function | Jumper | Position |
| í  VGA interrupt request select none | JP5 pins 1 & 2 | Closed |
| VGA interrupt request select IRQ9 | JP5 pins 1 & 2 | Open |
| í  Monitor type select color | JP5 pins 3 & 4 | Closed |
| Monitor type select monochrome | JP5 pins 3 & 4 | Open |
| í  Factory configured - do not alter | JP5 pins 5 & 6 | Open |
| í  Factory configured - do not alter | JP5 pins 7 & 8 | Open |
| í  Password check enabled | JP5 pins 9 & 10 | Closed |
| Password check disabled | JP5 pins 9 & 10 | Open |
| í  Mouse port enabled (uses IRQ12) | JP5 pins 11 & 12 | Closed |
| Mouse port disabled (IRQ12 not used) | JP5 pins 11 & 12 | Open |
| í  IOCHRDY signal disabled to IDE drive(s) | JP5 pins 13 & 14 | Closed |
| | JP5 pins 15 & 16 | Open |
| IOCHRDY signal enabled to IDE drive(s) | JP5 pins 13 & 14 | Open |
| | JP5 pins 15 & 16 | Closed |
| í  Bus wait states select none | JP5 pins 17 & 18 | Closed |
| Bus wait state select one | JP5 pins 17 & 18 | Open |
| í  Factory configured - do not alter | JP5 pins 19 & 20 | Open |
| í  Factory configured - do not alter | CLRB | Open |

| DRAM CONFIGURATION | | | | |
|---|---|---|---|---|
| Size | Bank 0 | Bank 1 | Bank 2 | Bank 3 |
| 1MB | (1) 256K x 36 | NONE | NONE | NONE |
| 2MB | (1) 256K x 36 | (1) 256K x 36 | NONE | NONE |
| 3MB | (1) 256K x 36 | (1) 256K x 36 | (1) 256K x 36 | NONE |
| 4MB | (1) 256K x 36 | (1) 256K x 36 | (1) 256K x 36 | (1) 256K x 36 |
| 4MB | (1) 1M x 36 | NONE | NONE | NONE |
| 5MB | (1) 1M x 36 | (1) 256K x 36 | NONE | NONE |
| 6MB | (1) 1M x 36 | (1) 256K x 36 | (1) 256K x 36 | NONE |
| 7MB | (1) 1M x 36 | (1) 256K x 36 | (1) 256K x 36 | (1) 256K x 36 |
| 8MB | (1) 1M x 36 | (1) 1M x 36 | NONE | NONE |
| 9MB | (1) 1M x 36 | (1) 1M x 36 | (1) 256K x 36 | NONE |
| 10MB | (1) 1M x 36 | (1) 1M x 36 | (1) 256K x 36 | (1) 256K x 36 |
| 12MB | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 | NONE |
| 13MB | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 | (1) 256K x 36 |
| 16MB | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 |
| 16MB | (1) 4M x 36 | NONE | NONE | NONE |
| 17MB | (1) 4M x 36 | (1) 256K x 36 | NONE | NONE |
| 18MB | (1) 4M x 36 | (1) 256K x 36 | (1) 256K x 36 | NONE |
| 19MB | (1) 4M x 36 | (1) 256K x 36 | (1) 256K x 36 | (1) 256K x 36 |
| 20MB | (1) 4M x 36 | (1) 1M x 36 | NONE | NONE |
| 21MB | (1) 4M x 36 | (1) 1M x 36 | (1) 256K x 36 | NONE |
| 22MB | (1) 4M x 36 | (1) 1M x 36 | (1) 256K x 36 | (1) 256K x 36 |
| 24MB | (1) 4M x 36 | (1) 1M x 36 | (1) 1M x 36 | NONE |

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| DRAM CONFIGURATION (CON'T) | | | | |
|---|---|---|---|---|
| Size | Bank 0 | Bank 1 | Bank 2 | Bank 3 |
| 25MB | (1) 4M x 36 | (1) 1M x 36 | (1) 1M x 36 | (1) 256K x 36 |
| 28MB | (1) 4M x 36 | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 |
| 32MB | (1) 4M x 36 | (1) 4M x 36 | NONE | NONE |
| 33MB | (1) 4M x 36 | (1) 4M x 36 | (1) 256K x 36 | NONE |
| 34MB | (1) 4M x 36 | (1) 4M x 36 | (1) 256K x 36 | (1) 256K x 36 |
| 36MB | (1) 4M x 36 | (1) 4M x 36 | (1) 1M x 36 | NONE |
| 37MB | (1) 4M x 36 | (1) 4M x 36 | (1) 1M x 36 | (1) 256K x 36 |
| 40MB | (1) 4M x 36 | (1) 4M x 36 | (1) 1M x 36 | (1) 1M x 36 |
| 48MB | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 | NONE |
| 49MB | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 | (1) 256K x 36 |
| 52MB | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 | (1) 1M x 36 |
| 64MB | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 |

| CPU SPEED CONFIGURATION | | | | |
|---|---|---|---|---|
| Speed | JP1 | JP2 | JP3 | JP4 |
| 16MHz | Closed | Open | Open | Open |
| 20MHz | Open | Closed | Open | Open |
| 25MHz | Open | Open | Closed | Open |
| 33MHz | Open | Open | Open | Closed |