# MICRONICS COMPUTERS, INC.
# MINI 486 SYSTEM BOARD

| | |
|---|---|
| **Processor** | 80486SX/80486DX/ODP486SX/80486DX2 |
| **Processor Speed** | 25/33/50(internal)/50/66(internal)MHz |
| **Chip Set** | Micronics |
| **Max. Onboard DRAM** | 64MB |
| **Cache** | 64/128/256KB |
| **BIOS** | Phoenix |
| **Dimensions** | 230mm x 218mm |
| **I/O Options** | None |
| **NPU Options** | None |



| CONNECTIONS | | | |
|---|---|---|---|
| Purpose | Location | Purpose | Location |
| External keyboard connector | J1 | Turbo switch | W16 |
| Speaker | J20 | Turbo LED | W17 |
| Reset switch | W15 | Power LED & keylock | W18 |
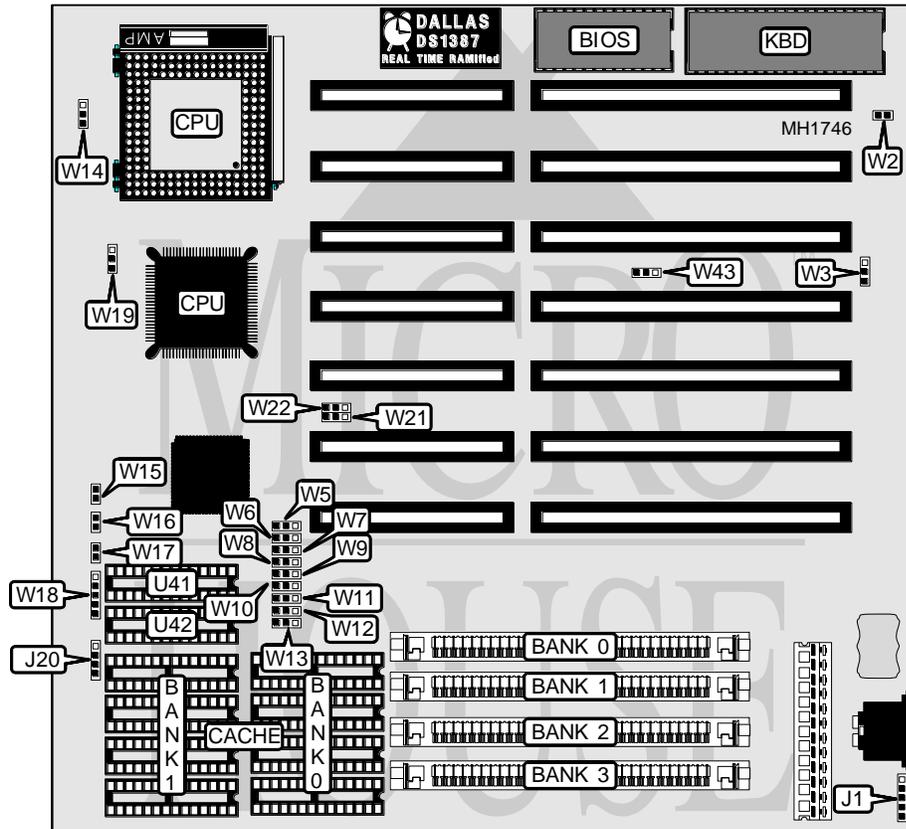
# MICRONICS COMPUTERS, INC.
# MINI 486 SYSTEM BOARD

| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| Function | Jumper | Position |
| í  Monitor type select color | W2 | Closed |
| Monitor type select monochrome | W2 | Open |
| í  Real Time Clock enabled | W3 | pins 1 & 2 closed |
| External battery enabled | W3 | pins 2 & 3 closed |
| í  Factory configured - do not alter | W43 | pins 1 & 2 closed |

| 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 |
| 4MB | (1) 1M x 36 | NONE | NONE | NONE |
| 6MB | (1) 256K x 36 | (1) 256K x 36 | (1) 1M x 36 | NONE |
| 8MB | (1) 1M x 36 | (1) 1M x 36 | NONE | NONE |
| 10MB | (1) 256K x 36 | (1) 256K x 36 | (1) 1M x 36 | (1) 1M x 36 |
| 12MB | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 | NONE |
| 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 |
| 18MB | (1) 256K x 36 | (1) 256K x 36 | (1) 4M x 36 | NONE |
| 20MB | (1) 1M x 36 | (1) 4M x 36 | NONE | NONE |
| 24MB | (1) 1M x 36 | (1) 1M x 36 | (1) 4M x 36 | NONE |
| 32MB | (1) 4M x 36 | (1) 4M x 36 | NONE | NONE |
| 36MB | (1) 1M x 36 | (1) 4M x 36 | (1) 4M x 36 | NONE |
| 40MB | (1) 1M x 36 | (1) 1M x 36 | (1) 4M x 36 | (1) 4M x 36 |
| 48MB | (1) 4M x 36 | (1) 4M x 9 | (1) 4M x 36 | NONE |
| 64MB | (1) 4M x 36 | (1) 4M x 9 | (1) 4M x 36 | (1) 4M x 36 |

| CACHE CONFIGURATION | | | | |
|---|---|---|---|---|
| Size | Bank 0 | Bank 1 | TAG/U41 | TAG/U42 |
| 64KB | (4) 8K x 8 | (4) 8K x 8 | (1) 8K x 8 | N/A |
| 128KB | (4) 32K x 8 | NONE | (1) 32K x 8 | N/A |
| 256KB | (4) 32K x 8 | (4) 32K x 8 | (1) 32K x 8 | N/A |
| Note:     Tag/U42 is not currently in use. | | | | |

| CACHE JUMPER CONFIGURATION | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Size | W5 | W6 | W7 | W8 | W9 | W10 | W11 | W12 | W13 |
| 64KB | 2 & 3 | 1 & 2 | 1 & 2 | 2 & 3 | 1 & 2 | 1 & 2 | 1 & 2 | 2 & 3 | 2 & 3 |
| 128KB | 2 & 3 | 2 & 3 | 1 & 2 | 2 & 3 | 2 & 3 | 1 & 2 | 2 & 3 | 1 & 2 | 1 & 2 |
| 256KB | 2 & 3 | 2 & 3 | 2 & 3 | 2 & 3 | 2 & 3 | 2 & 3 | 2 & 3 | 2 & 3 | 2 & 3 |
| Note:     Pins designated should be in the closed position. | | | | | | | | | |

# MICRONICS COMPUTERS, INC.
# MINI 486 SYSTEM BOARD

| CPU TYPE CONFIGURATION | | |
|---|---|---|
| Type | W14 | W19 |
| 80486SX | N/A | pins 1 & 2 closed |
| 80486DX | pins 2 & 3 closed | pins 2 & 3 closed |
| ODP486SX | pins 1 & 2 closed | pins 2 & 3 closed |
| 80486DX2 | pins 2 & 3 closed | pins 2 & 3 closed |

| CPU SPEED CONFIGURATION | | |
|---|---|---|
| Speed | W21 | W22 |
| 25MHz | pins 2 & 3 closed | pins 2 & 3 closed |
| 33MHz | pins 1 & 2 closed | pins 2 & 3 closed |
| 50i MHz | pins 2 & 3 closed | pins 2 & 3 closed |
| 50MHz | pins 1 & 2 closed | pins 1 & 2 closed |
| 66i MHz | pins 1 & 2 closed | pins 2 & 3 closed |