# NEC TECHNOLOGIES, INC.
# P O W E R M A T E   4 6 8 / 2 5 E

| | |
|---|---|
| **Processor** | 80486DX |
| **Processor Speed** | 25MHz |
| **Chip Set** | Unidentified |
| **Max. Onboard DRAM** | 64MB |
| **Cache** | 8/64KB |
| **BIOS** | Unidentified |
| **Dimensions** | 330mm x 218mm |
| **I/O Options** | 32-bit external memory card, floppy drive interface, external cache card, parallel port, PS/2 mouse port, serial ports (2) |
| **NPU Options** | 4167 |



| CONNECTIONS | | | |
|---|---|---|---|
| Purpose | Location | Purpose | Location |
| Speaker | P1 | Serial/Parallel/IO port connector | P10 |
| External battery | P3 | Drive power | P12 |
| LED panel | P6 | 32-bit external memory card slot | SL1 |
| Floppy drive interface | P7 | External cache slot | SL2 |
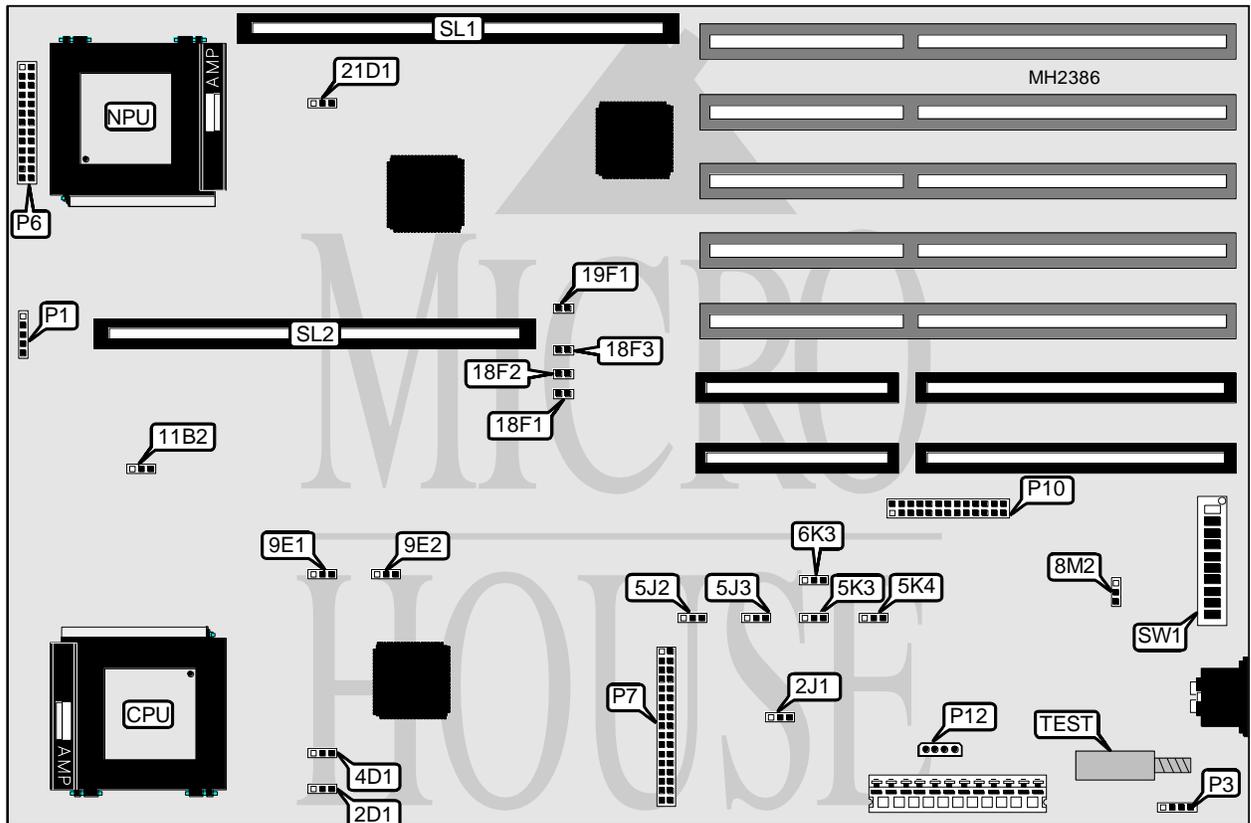
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| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| Function | Jumper/Switch | Position |
| í  Floppy drive transfer rate 500/250/300/150/125 KB/sec | 2D1 | pins 1 & 2 closed |
| Floppy drive transfer rate 500/250/150 KB/sec | 2D1 | pins 2 & 3 closed |
| í  Factory configured - do not alter | 2J1 | Closed |
| í  Password enabled | 5J2 | pins 2 & 3 closed |
| Password disabled | 5J2 | pins 1 & 2 closed |
| í  A20 Gate select PAL | 5J3 | pins 1 & 2 closed |
| A20 Gate select keyboard controller | 5J3 | pins 2 & 3 closed |
| í  Keyboard controller W/R select PAL | 5K3 | pins 1 & 2 closed |
| Keyboard controller W/R select XIOWT | 5K3 | pins 2 & 3 closed |
| í  Keyboard controller input select 12MHz | 5K4 | pins 1 & 2 closed |
| Keyboard controller input select 8.33MHz | 5K4 | pins 2 & 3 closed |
| STBY signal for RTC select PWREN-0 | 6K3 | pins 1 & 2 closed |
| STBY signal for RTC select PWREN+0 | 6K3 | pins 2 & 3 closed |
| í  ROM self test disabled | 8M2 | Open |
| ROM self test enabled | 8M2 | Closed |
| í  Factory configured - do not alter | 9E1 | pins 2 & 3 closed |
| í  Factory configured - do not alter | 9E2 | pins 2 & 3 closed |
| í  RDY signal from MILK select DMY RDY | 11B2 | pins 1 & 2 closed |
| RDY signal from MILK select BRDY | 11B2 | pins 2 & 3 closed |
| í  C6 mode select cache | 18F1 | Open |
| C6 mode select normal | 18F1 | Closed |
| í  EISA to host write wait select 1 wait state | 18F2 | Open |
| EISA to host write wait select 0 wait state | 18F2 | Closed |
| í  Monitor type select color | SW1/1 | On |
| Monitor type select monochrome | SW1/1 | Off |
| í  Floppy drive interface address select primary (3F0 - 3F7h) | SW1/2 | Off |
| Floppy drive interface address select secondary (370 - 377h) | SW1/2 | On |
| í  Internal floppy drive interface enabled | SW1/3 | On |
| Internal floppy drive interface disabled | SW1/3 | Off |
| í  COM2 enabled | SW1/4 | On |
| COM2 disabled | SW1/4 | Off |
| í  COM1 enabled | SW1/5 | On |
| COM1 disabled | SW1/5 | Off |
| í  Parallel port enabled | SW1/6 | On |
| Parallel port disabled | SW1/6 | Off |
| í  NPU enabled | SW1/7 | On |
| NPU disabled | SW1/7 | Off |
| í  IRQ 12 select mouse | SW1/8 | On |
| IRQ 12 select other | SW1/8 | Off |
| í  Base memory select 640KB | SW1/9 | Off |
| Base memory select 512KB | SW1/9 | On |
| í  Factory configured - do not alter | SW1/10 | On |

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| TEST MODE CONFIGURATION | |
|---|---|
| Test Mode | TEST |
| Off | Out |
| On | In |

| CPU SELF TEST CONFIGURATION | | |
|---|---|---|
| CPU testing | 4D1 | 21D1 |
| Disabled | pins 2 & 3 closed | pins 1 & 2 closed |
| Enabled | pins 1 & 2 closed | pins 2 & 3 closed |

| EISA TO HOST READ WAIT STATE CONFIGURATION | | |
|---|---|---|
| Total Wait States | 18F3 (bit 0) | 19F1 (bit 1) |
| 0 | Closed | Closed |
| 1 | Open | Closed |
| 2 | Closed | Open |
| 3 | Open | Open |