# TANDY/RADIO SHACK
# 486EI 25/SVR

| | |
|---|---|
| **Processor** | 80486DX |
| **Processor Speed** | 25MHz |
| **Chip Set** | Tandy |
| **Max. Onboard DRAM** | 64MB |
| **SRAM Cache** | 256KB |
| **BIOS** | Phoenix |
| **Dimensions** | 355mm x 304mm |
| **I/O Options** | EGA feature connector, floppy drive interface, IDE interface, parallel port, serial port (2), VGA port (on external I/O card) |
| **NPU Options** | 4167 |



| CONNECTIONS | | | |
|---|---|---|---|
| Purpose | Location | Purpose | Location |
| External battery | J3 | Reset switch | W5 |
| Speaker | J15 | Turbo switch | W6 |
| Power LED & keylock | J16 | Turbo LED | W7 |
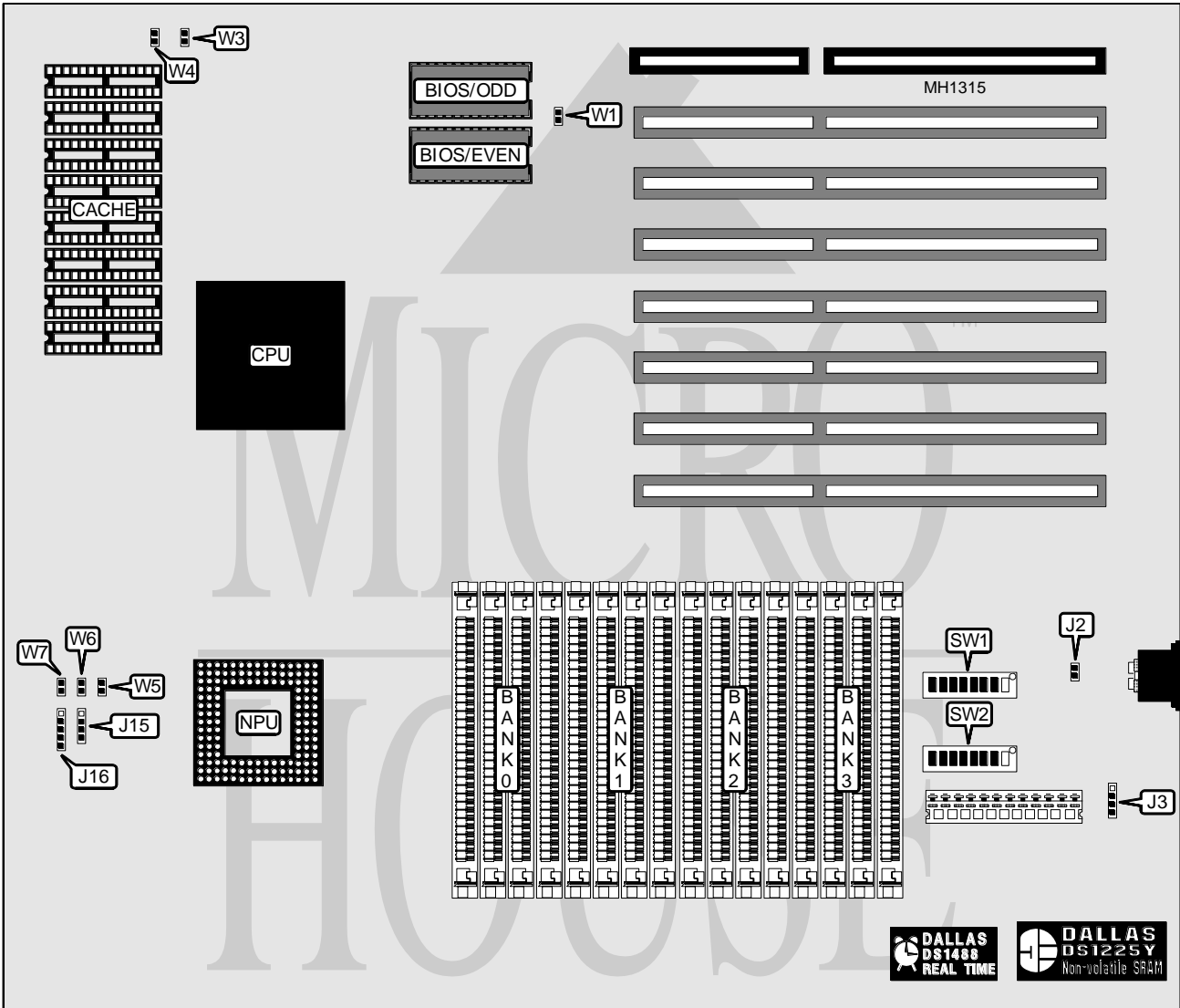
# TANDY/RADIO SHACK
# 486EI 25/SVR

| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| Function | Jumper | Position |
| í  CMOS memory normal operation | J2 | open |
| CMOS memory clear | J2 | closed |
| í  Factory configured - do not alter | W1 | N/A |

| SRAM CONFIGURATION | | | |
|---|---|---|---|
| Size | Bank 0 | W3 | W4 |
| 256KB | (8) 32K x 8 | closed | closed |

| DRAM CONFIGURATION | | | | |
|---|---|---|---|---|
| Size | Bank 0 | Bank 1 | Bank 2 | Bank 3 |
| 4MB | (4) 1M x 9 | NONE | NONE | NONE |
| 8MB | (4) 1M x 9 | (4) 1M x 9 | NONE | NONE |
| 12MB | (4) 1M x 9 | (4) 1M x 9 | (4) 1M x 9 | NONE |
| 16MB | (4) 1M x 9 | (4) 1M x 9 | (4) 1M x 9 | (4) 1M x 9 |
| 16MB | (4) 4M x 9 | NONE | NONE | NONE |
| 20MB | (4) 1M x 9 | (4) 4M x 9 | NONE | NONE |
| 24MB | (4) 1M x 9 | (4) 1M x 9 | (4) 4M x 9 | NONE |
| 28MB | (4) 1M x 9 | (4) 1M x 9 | (4) 1M x 9 | (4) 4M x 9 |
| 32MB | (4) 4M x 9 | (4) 4M x 9 | NONE | NONE |
| 36MB | (4) 1M x 9 | (4) 4M x 9 | (4) 4M x 9 | NONE |
| 40MB | (4) 1M x 9 | (4) 1M x 9 | (4) 4M x 9 | (4) 4M x 9 |
| 48MB | (4) 4M x 9 | (4) 4M x 9 | (4) 4M x 9 | NONE |
| 52MB | (4) 1M x 9 | (4) 4M x 9 | (4) 4M x 9 | (4) 4M x 9 |
| 64MB | (4) 4M x 9 | (4) 4M x 9 | (4) 4M x 9 | (4) 4M x 9 |

| DRAM SWITCH CONFIGURATION | | | | | |
|---|---|---|---|---|---|
| Size | SW2/switch 1 | SW2/switch 2 | SW2/switch 3 | SW2/switch 4 | SW2/switch 5 |
| 4MB | closed | closed | closed | closed | closed |
| 8MB | open | closed | closed | closed | closed |
| 12MB | closed | open | closed | closed | closed |
| 16MB | open | open | closed | closed | open |
| 16MB | closed | closed | open | closed | open |
| 20MB | closed | closed | open | open | open |
| 24MB | closed | open | closed | open | open |
| 28MB | open | closed | closed | open | open |
| 32MB | open | closed | open | closed | open |
| 36MB | closed | open | open | open | open |
| 40MB | open | open | closed | open | open |
| 48MB | closed | open | open | closed | open |
| 52MB | open | open | open | open | open |
| 64MB | open | open | open | closed | open |

# TANDY/RADIO SHACK
# 486EI 25/SVR
# VGA MULTIFUNCTION SYSTEM CARD
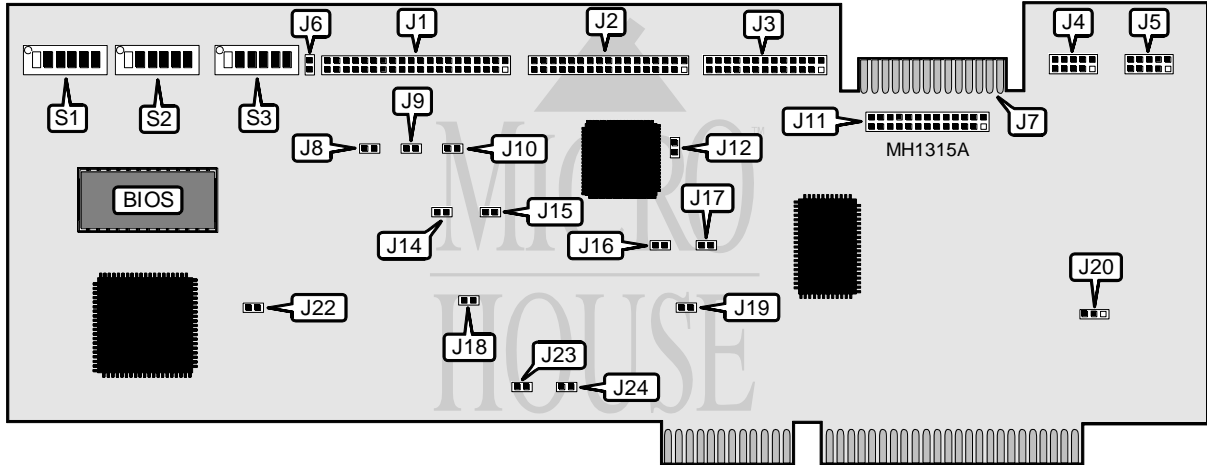
| CONNECTIONS | | | |
|---|---|---|---|
| Purpose | Location | Purpose | Location |
| IDE drive interface | J1 | Serial port 2 | J5 |
| Floppy drive interface | J2 | IDE interface LED | J6 |
| Parallel port | J3 | VGA feature | J7 |
| Serial port 1 | J4 | EGA feature | J11 |

| SERIAL PORT 1 (J4) CONFIGURATION S1 | | | | | | |
|---|---|---|---|---|---|---|
| Function | Switch 1 | Switch 2 | Switch 3 | Switch 4 | Switch 5 | Switch 6 |
| disabled | open | open | open | open | open | open |
| COM1/IRQ4 | closed | open | open | open | open | closed |
| COM2/IRQ3 | open | closed | open | open | closed | open |
| COM3/IRQ4 | open | open | closed | open | open | closed |
| COM4/IRQ3 | open | open | open | closed | closed | open |

| SERIAL PORT 2 (J5) CONFIGURATION S3 | | | | | | |
|---|---|---|---|---|---|---|
| Function | Switch 1 | Switch 2 | Switch 3 | Switch 4 | Switch 5 | Switch 6 |
| disabled | open | open | open | open | open | open |
| COM1/IRQ4 | closed | open | open | open | open | closed |
| COM2/IRQ3 | open | closed | open | open | closed | open |
| COM3/IRQ4 | open | open | closed | open | open | closed |
| COM4/IRQ3 | open | open | open | closed | closed | open |

| PARALLEL PORT (J3) CONFIGURATION S2 | | | | | | |
|---|---|---|---|---|---|---|
| Function | Switch 1 | Switch 2 | Switch 3 | Switch 4 | Switch 5 | Switch 6 |
| disabled | open | open | open | N/A | open | open |
| LPT1/IRQ7 | closed | open | open | N/A | open | closed |
| LPT2/IRQ5 | open | closed | open | N/A | closed | open |
| LPT3/IRQ7 | open | open | closed | N/A | open | closed |

# TANDY/RADIO SHACK
# 486EI 25/SVR
# VGA MULTIFUNCTION SYSTEM CARD

| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| Function | Jumper | Position |
| í  IOCHRDY signal from pin 27 enabled | J8 | open |
| | J9 | open |
| í  IOCHRDY signal from pin 21 enabled | J8 | closed |
| | J9 | closed |
| í  IDE interface pin 34 select PDIAG signal | J10 | open |
| IDE interface pin 34 select ground | J10 | closed |
| í  Floppy drive interface precompensation mode select 125ns | J12 | open |
| Floppy drive interface precompensation mode select 187ns | J12 | closed |
| í  IDE interface (J1) enabled | J14 | closed |
| IDE interface (J1) disabled | J14 | open |
| í  On-board video enabled | J15 | closed |
| On-board video disabled | J15 | open |
| í  Floppy drive interface (J2) interrupt request select IRQ6 | J16 | closed |
| Floppy drive interface (J2) interrupt request select none | J16 | open |
| í  Single speed motor select | J17 | open |
| Dual speed motor select | J17 | closed |
| í  On-board video select 16-bit mode normal | J18 | open |
| On-board video force 8-bit mode | J18 | closed |
| í  Floppy drive disk change signal enabled | J19 | closed |
| Floppy drive disk change signal disabled | J19 | open |
| í  Monitor type select color | J20 | pins 1 & 2 closed |
| Monitor type select monochrome | J20 | pins 2 & 3 closed |
| VGA feature connector disabled | J22 | closed |
| VGA feature connector enabled | J22 | open |
| í  Floppy drive interface (J2) enabled | J23 | closed |
| Floppy drive interface (J2) disabled | J23 | open |
| í  IDE interface (J1) interrupt request select IRQ14 | J24 | closed |
| IDE interface (J1) interrupt request select none | J24 | open |