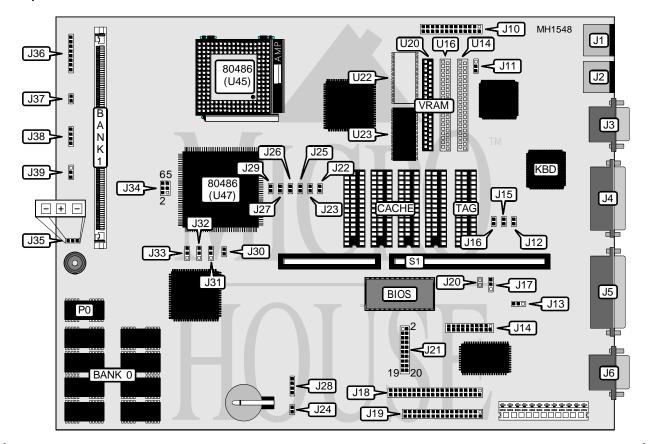
| Processor | 80486SX/80487SX/80486DX/ODP486SX/80486DX2 |
|-------------------|---|
| Processor Speed | 20/25/33/40/50(internal)/66(internal)MHz |
| Chip Set | ACC |
| Max. onboard DRAM | 36MB |
| SRAM Cache | 32/128/512KB |
| BIOS | Phoenix |
| Dimensions | 330mm x 240mm |
| I/O Options | Fax/modem daughterboard, floppy drive interface, game port, IDE interface, multi-function connector (IDE interface LED, reset, keylock, turbo switch, turbo-LED, non-turbo LED), parallel port, PS/2 keyboard port, PS/2 mouse port, serial port, VGA port, video feature connector |
| NPU Options | None |



| CONNECTIONS | | | | |
|------------------------------------|-----|-------------------------------------|----------|--|
| Purpose Location Purpose | | | Location | |
| PS/2 keyboard | J1 | Floppy drive interface | J19 | |
| PS/2 mouse | J2 | Proprietary fax/modem daughterboard | J21 | |
| VGA port | J3 | External battery | J28 | |
| Game port | J4 | External fan power (+12V DC) | J35 | |
| Parallel port | J5 | Multi-function connector | J36 | |
| Serial port | J6 | Keylock | J37 | |
| Video feature connector | J10 | Speaker | J38 | |
| Audio interface connector (unused) | J14 | Riser card | S1 | |
| IDE interface | J18 | | | |

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| USER CONFIGURABLE SETTINGS | | | | |
|--|---|-------------------|--|--|
| Function | Jumper/Switch | Position | | |
| í Onboard Game port enabled | J15 | Closed | | |
| Onboard Game port disabled | J15 | Open | | |
| í PS/2 mouse port enabled (IRQ12) | J27 | Closed | | |
| PS/2 mouse port disabled | J27 | Open | | |
| í Monitor type select color | J12 | Closed | | |
| Monitor type select monochrome | J12 | Open | | |
| í Onboard I/O ports enabled | J16 | Closed | | |
| Onboard I/O ports disabled | J16 | Open | | |
| í Hard drive boot from DOS boot block | J17 | pins 2 & 3 closed | | |
| Hard drive boot from custom boot block | Hard drive boot from custom boot block J17 pins 1 & 2 close | | | |
| í Flash BIOS write protect enabled J20 Open | | | | |
| Flash BIOS write protect disabled | J20 | Closed | | |
| í Onboard battery enabled | J24 | Closed | | |
| Onboard battery disabled | J24 | Open | | |
| í Speaker select internal | J39 | pins 1 & 2 closed | | |
| Speaker select external J39 pins 2 & 3 closed | | | | |
| Note: Parallel port, serial port, floppy drive interface, and IDE interface are configured through the BIOS setup options. | | | | |
| J20 is only a trace, and has not been implemented in any production models of the board. | | | | |

| DRAM CONFIGURATION (NO MEMORY SOLDERED TO BOARD) | | | |
|--|---------------|--|--|
| Size Bank 0 | | | |
| 2MB | (1) 512K x 36 | | |
| 4MB | (1) 1M x 36 | | |
| 8MB | (1) 2M x 36 | | |
| 16MB | (1) 4M x 36 | | |
| 32MB | (1) 8M x 36 | | |

| DRAM CONFIGURATION (4MB OF MEMORY SOLDERED TO BOARD) | | | | | | |
|--|----------------------------------|------------|---------------|--|--|--|
| Size | Size Bank O Parity O (PO) Bank 1 | | | | | |
| 4MB | (8) 441000 | (1) 441000 | NONE | | | |
| 6MB | (8) 441000 | (1) 441000 | (1) 512K x 36 | | | |
| 8MB | (8) 441000 | (1) 441000 | (1) 1M x 36 | | | |
| 12MB | (8) 441000 | (1) 441000 | (1) 2M x 36 | | | |
| 20MB | (8) 441000 | (1) 441000 | (1) 4M x 36 | | | |
| 36MB | (8) 441000 | (1) 441000 | (1) 8M x 36 | | | |
| Note: Bank 0 is soldered to the board. | | | | | | |

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| ONBOARD VIDEO CONFIGURATION | | | | |
|---|--|--|--|--|
| Onboard Video IRQ J11 J22 | | | | |
| í Enabled IRQ9 pins 2 & 3 closed Closed | | | | |
| Enabled None pins 2 & 3 closed Open | | | | |
| Disabled N/A pins 1 & 2 closed N/A | | | | |

| | VRAM CONFIGURATION | | | | | |
|---|---|-------------------|--------------|--------------|--|--|
| | Size | Bank 0 (U23) | Bank 1 (U20) | Bank 1 (U22) | | |
| | 512KB | (1) 256K x 16 DIP | NONE | NONE | | |
| 1MB | 1MB factory installed (1) 256K x 16 DIP NONE (1) 256K x 16 DIP | | | | | |
| 1M | 1MB user installed (1) 256K x 16 DIP (1) 256K x 16 ZIP NONE | | | | | |
| Note: | Note: If board is factory installed with 1MB of VRAM, a second 256K x 16 DIP will soldered on the board at U22. | | | | | |
| If board is factory configured with 512KB of VRAM, U22 will only be a trace, and a 40-pin ZIP socket will be | | | | | | |
| installed at location U20. If the ZIP socket is present, there will also be traces for 2 additional zip sockets | | | | | | |
| | at U14 and U16. Sockets installed on ZIP socket traces will not function. | | | | | |

| PARALLEL PORT IRQ CONFIGURATION | | | |
|---------------------------------|-------------------|--|--|
| IRQ J13 | | | |
| í IRQ7 | pins 1 & 2 closed | | |
| IRQ5 pins 2 & 3 closed | | | |

| | C | PU TYPE CONFIGURATIO | N | |
|--------------------------|---------------------|----------------------|--------|-------------------|
| CPU | Туре | Location | J29 | J34 |
| 80486SX | PQFP | U47 | Open | pins 1 & 3, 2 & 4 |
| 80487SX | PGA | U45 | Open | pins 1 & 3, 2 & 4 |
| 80486DX | PGA | U45 | Open | pins 3 & 5, 4 & 6 |
| ODPR486SX-25MHz | PGA | U45 | Closed | pins 3 & 5, 4 & 6 |
| ODP486SX-33MHz | PGA | U45 | Closed | pins 1 & 3, 4 & 6 |
| 80486DX2 | PGA | U45 | Closed | pins 3 & 5, 4 & 6 |
| Note: Pins designated sh | ould be in the clos | ed position. | | |

| CPU SPEED CONFIGURATION | | | | | | |
|-------------------------------|------|--------|------|--|--|--|
| Speed J23 J25 J26 | | | | | | |
| 20MHz Closed Open Open | | | | | | |
| 25/50i MHz Open Closed Closed | | | | | | |
| 33/66i MHz | Open | Closed | Open | | | |
| 40MHz | | | | | | |

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| CACHE CONFIGURATION | | | | |
|---------------------|--------------|--------------|--|--|
| Size | Cache | TAG | | |
| í 32KB | (4) 8K x 8 | (1) 8K x 8 | | |
| 128KB | (4) 32K x 8 | (1) 32K x 8 | | |
| 512KB | (4) 128K x 8 | (1) 128K x 8 | | |

| CACHE JUMPER CONFIGURATION | | | | |
|---|--------|-------------------|-------------------|-------------------|
| Size | J30 | J31 | J32 | J33 |
| í 32KB Open pins 1 & 2 closed pins 1 & 2 closed pins 1 & 2 closed | | | | |
| 128KB | Closed | pins 2 & 3 closed | pins 2 & 3 closed | pins 1 & 2 closed |
| 512KB | Closed | pins 2 & 3 closed | pins 2 & 3 closed | pins 2 & 3 closed |