# AMERICAN MEGATRENDS, INC.
## S E R I E S  6 8  E N T E R P R I S E - I I I

| | |
|---|---|
| **Processor** | 80486SX/80487SX/80486DX/ODP486SX/80486DX2 |
| **Processor Speed** | 25/33/50(internal)/50/66(internal)MHz |
| **Chip Set** | AMI |
| **Max. Onboard DRAM** | 256MB |
| **Cache** | 256KB (factory configured) |
| **BIOS** | AMI |
| **Dimensions** | 330mm x 307mm |
| **I/O Options** | 32-bit VESA local bus slots (2), mouse port |
| **NPU Options** | None |



| CONNECTIONS | | | |
|---|---|---|---|
| Purpose | Location | Purpose | Location |
| Turbo LED | D5 | Reset switch | J9 |
| Diagnostic LED | J1 | Power LED & keylock | J10 |
| Mouse | J3 | Turbo switch | J14 |
| Speaker | J8 | 32-bit VESA local bus slots | S1 & S2 |
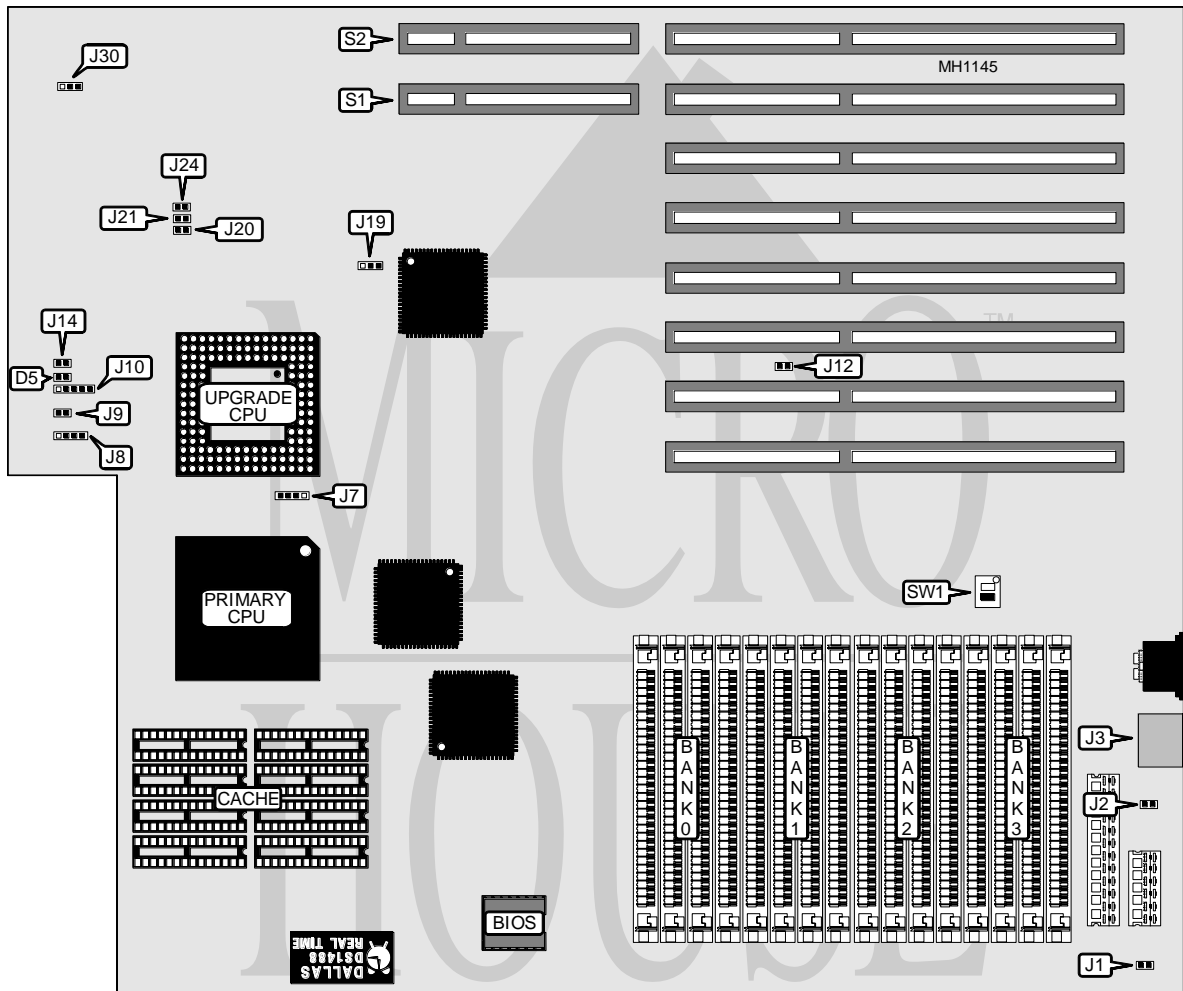
# AMERICAN MEGATRENDS, INC.
# SERIES 68 ENTERPRISE-III

| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| Function | Jumper/Switch | Position |
| í CMOS memory normal operation | J2 | Open |
| CMOS memory clear | J2 | Closed |
| í CPU select low priority | J19 | pins 1 & 2 closed |
| CPU select high priority | J19 | pins 2 & 3 closed |
| í Factory configured - do not alter | J20 | Closed |
| í Factory configured - do not alter | J21 | Closed |
| í Factory configured - do not alter | J24 | Closed |
| í VESA bus select ID3 normal operation ≤ 33MHz | J30 | pins 1 & 2 closed |
| VESA bus select remote ID3 > 33MHz | J30 | pins 2 & 3 closed |
| í Factory configured - do not alter | SW1/1 | Off |
| í Monitor type select monochrome | SW1/2 | Off |
| Monitor type select color | SW1/2 | On |

| DRAM CONFIGURATION | | | | |
|---|---|---|---|---|
| Size | Bank 0 | Bank 1 | Bank 2 | Bank 3 |
| 1MB | (4) 256K x 9 | NONE | NONE | NONE |
| 2MB | (4) 256K x 9 | (4) 256K x 9 | NONE | NONE |
| 4MB | (4) 1M x 9 | NONE | NONE | NONE |
| 6MB | (4) 256K x 9 | (4) 256K x 9 | (4) 1M x 9 | NONE |
| 8MB | (4) 1M x 9 | (4) 1M x 9 | NONE | NONE |
| 10MB | (4) 256K x 9 | (4) 256K x 9 | (4) 1M x 9 | (4) 1M x 9 |
| 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 |
| 18MB | (4) 256K x 9 | (4) 256K x 9 | (4) 4M x 9 | 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 |
| 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 |
| 64MB | (4) 4M x 9 | (4) 4M x 9 | (4) 4M x 9 | (4) 4M x 9 |
| 64MB | (4) 16M x 9 | NONE | NONE | NONE |
| 128MB | (4) 16M x 9 | (4) 16M x 9 | NONE | NONE |
| 192MB | (4) 16M x 9 | (4) 16M x 9 | (4) 16M x 9 | NONE |
| 256MB | (4) 16M x 9 | (4) 16M x 9 | (4) 16M x 9 | (4) 16M x 9 |

| CPU TYPE CONFIGURATION | | |
|---|---|---|
| Type | Location | J7 |
| 80486SX | Primary | pins 2 & 3 closed |
| ODP486SX | Upgrade | pins 1 & 2, 3 & 4 closed |
| 80487SX | Upgrade | pins 1 & 2, 3 & 4 closed |
| 80486DX | Primary | pins 1 & 2, 3 & 4 closed |
| 80486DX2 | Primary | pins 1 & 2, 3 & 4 closed |