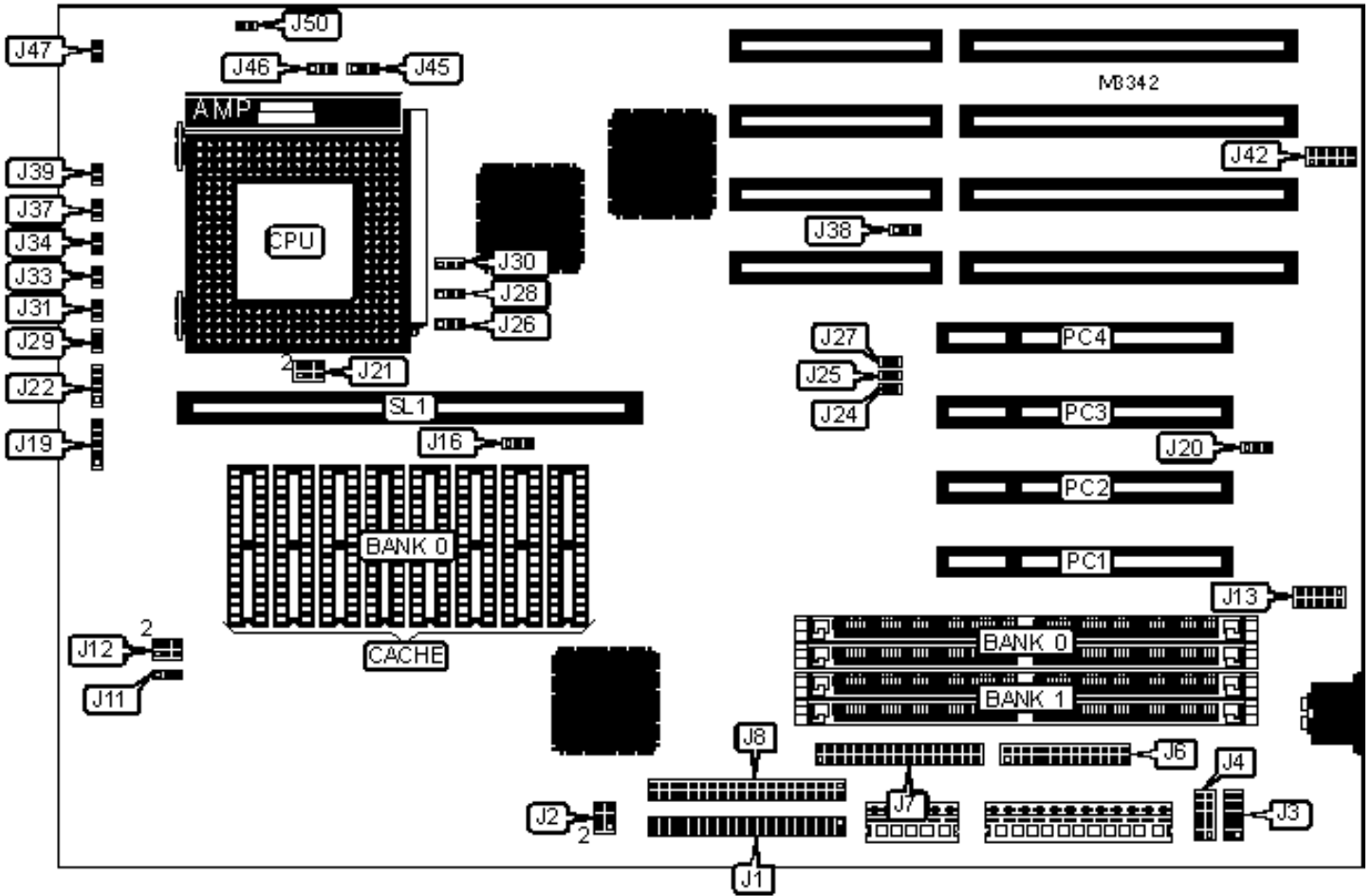


AMERICAN MEGATRENDS, INC.

ATLAS PCI - II

Configuration



CONNECTIONS

| Purpose | Location | Purpose | Location |
|------------------------|----------|---------------------|-----------|
| IDE interface 2 | J1 | Green PC connector | J27 |
| Serial port 1 | J3 | Reset switch | J29 |
| Serial port 2 | J4 | Turbo LED | J33 |
| Parallel port | J6 | IDE interface LED | J34 |
| Floppy drive interface | J7 | Green VGA interface | J42 |
| IDE interface 1 | J8 | Chassis fan power | J46 |
| PS/2 mouse interface | J13 | 32-bit PCI slots | PC1 - PC4 |
| Power LED & keylock | J19 | Cache slot | SL1 |
| Speaker | J22 | | |

USER CONFIGURABLE SETTINGS

| Function | Label | Position |
|---------------------------------|-------|-------------------|
| Jumper information unidentified | J20 | N/A |
| Jumper information unidentified | J31 | N/A |
| » PS/2 mouse IRQ12 enabled | J38 | Pins 1 & 2 closed |
| PS/2 mouse IRQ12 disabled | J38 | Pins 2 & 3 closed |
| Jumper information unidentified | J45 | N/A |
| Jumper information unidentified | J47 | N/A |
| Jumper information unidentified | J50 | N/A |

DRAM CONFIGURATION

| Size | Bank 0 | Bank 1 |
|------|---------------|--------|
| 2MB | (2) 256K x 36 | None |
| 4MB | (2) 512K x 36 | None |

| | | |
|------|---------------|---------------|
| 4MB | (2) 256K x 36 | (2) 256K x 36 |
| 6MB | (2) 512K x 36 | (2) 256K x 36 |
| 6MB | (2) 256K x 36 | (2) 512K x 36 |
| 8MB | (2) 1M x 36 | None |
| 8MB | (2) 512K x 36 | (2) 512K x 36 |
| 10MB | (2) 1M x 36 | (2) 256K x 36 |
| 10MB | (2) 256K x 36 | (2) 1M x 36 |
| 12MB | (2) 1M x 36 | (2) 512K x 36 |
| 12MB | (2) 512K x 36 | (2) 1M x 36 |
| 16MB | (2) 2M x 36 | None |
| 16MB | (2) 1M x 36 | (2) 1M x 36 |
| 18MB | (2) 2M x 36 | (2) 256K x 36 |
| 18MB | (2) 256K x 36 | (2) 2M x 36 |
| 20MB | (2) 2M x 36 | (2) 512K x 36 |
| 20MB | (2) 512K x 36 | (2) 2M x 36 |
| 24MB | (2) 2M x 36 | (2) 1M x 36 |
| 24MB | (2) 1M x 36 | (2) 2M x 36 |
| 32MB | (2) 4M x 36 | None |
| 32MB | (2) 2M x 36 | (2) 2M x 36 |

DRAM CONFIGURATION (CON'T)

| Size | Bank 0 | Bank 1 |
|------|---------------|---------------|
| 34MB | (2) 4M x 36 | (2) 256K x 36 |
| 34MB | (2) 256K x 36 | (2) 4M x 36 |
| 36MB | (2) 4M x 36 | (2) 512K x 36 |
| 36MB | (2) 512K x 36 | (2) 4M x 36 |

| | | |
|-------|---------------|---------------|
| 40MB | (2) 4M x 36 | (2) 1M x 36 |
| 40MB | (2) 1M x 36 | (2) 4M x 36 |
| 48MB | (2) 4M x 36 | (2) 2M x 36 |
| 48MB | (2) 2M x 36 | (2) 4M x 36 |
| 64MB | (2) 8M x 36 | None |
| 64MB | (2) 4M x 36 | (2) 4M x 36 |
| 66MB | (2) 8M x 36 | (2) 256K x 36 |
| 66MB | (2) 256K x 36 | (2) 8M x 36 |
| 68MB | (2) 8M x 36 | (2) 512K x 36 |
| 68MB | (2) 512K x 36 | (2) 8M x 36 |
| 72MB | (2) 8M x 36 | (2) 1M x 36 |
| 72MB | (2) 1M x 36 | (2) 8M x 36 |
| 80MB | (2) 8M x 36 | (2) 2M x 36 |
| 80MB | (2) 2M x 36 | (2) 8M x 36 |
| 96MB | (2) 8M x 36 | (2) 4M x 36 |
| 96MB | (2) 4M x 36 | (2) 8M x 36 |
| 128MB | (2) 16M x 36 | None |
| 128MB | (2) 8M x 36 | (2) 8M x 36 |
| 130MB | (2) 16M x 36 | (2) 256K x 36 |
| 132MB | (2) 16M x 36 | (2) 512K x 36 |
| 136MB | (2) 16M x 36 | (2) 1M x 36 |
| 144MB | (2) 16M x 36 | (2) 2M x 36 |
| 160MB | (2) 16M x 36 | (2) 4M x 36 |
| 192MB | (2) 16M x 36 | (2) 8M x 36 |
| 256MB | (2) 16M x 36 | (2) 16M x 36 |

Note: Board accepts EDO memory.

| CACHE CONFIGURATION | | |
|----------------------------|--------------|---------------|
| Size | Bank 0 | SL1 |
| 256KB (A) | (8) 32K x 8 | Not installed |
| 256KB (B) | None | Installed |
| 512KB (A) | (8) 64K x 8 | Not installed |
| 512KB (B) | None | Installed |
| 1MB (C) | (8) 128K x 8 | Not installed |
| 1MB (C) | None | Installed |

| CACHE JUMPER CONFIGURATION | | | |
|-----------------------------------|-------------------|-------------------|-------------------|
| Size | J16 | J26 | J28 |
| 256KB (A) | Pins 1 & 2 closed | Pins 1 & 2 closed | Pins 1 & 2 closed |
| 256KB (B) | Pins 2 & 3 closed | Pins 1 & 2 closed | Pins 1 & 2 closed |
| 512KB (A) | Pins 1 & 2 closed | Pins 1 & 2 closed | Pins 2 & 3 closed |
| 512KB (B) | Pins 2 & 3 closed | Pins 1 & 2 closed | Pins 2 & 3 closed |
| 1MB (C) | Pins 1 & 2 closed | Pins 2 & 3 closed | Pins 2 & 3 closed |
| 1MB (C) | Pins 2 & 3 closed | Pins 2 & 3 closed | Pins 2 & 3 closed |

| CACHE TYPE CONFIGURATION | |
|---------------------------------|-------------------|
| Setting | J30 |
| SMT cache enabled | Pins 1 & 2 closed |
| SMT cache disabled | Pins 2 & 3 closed |

| CPU SPEED SELECTION | | | | |
|----------------------------|-----|-----|-----|-----|
| Speed | J24 | J25 | J37 | J39 |

| | | | | |
|--------|--------|--------|------|--------|
| 75MHz | Closed | Closed | Open | Open |
| 90MHz | Closed | Open | Open | Open |
| 100MHz | Open | Closed | Open | Open |
| 120MHz | Closed | Open | Open | Closed |
| 133MHz | Open | Closed | Open | Closed |

CPU TYPE SELECTION

| Type | J11 |
|------|-------------------|
| VR | Pins 1 & 2 closed |
| VRE | Pins 2 & 3 closed |

CPU VOLTAGE SELECTION

| Voltage | J2 | J12 | J21 |
|------------------------|---------------------|---------------------|---------------------|
| From regulator | Open | 1 & 2, 3 & 4, 5 & 6 | 1 & 2, 3 & 4, 5 & 6 |
| From regulator & VRM | Open | 1 & 2, 3 & 4, 5 & 6 | Open |
| From 3.3v power supply | 1 & 2, 3 & 4, 5 & 6 | Open | 1 & 2, 3 & 4, 5 & 6 |