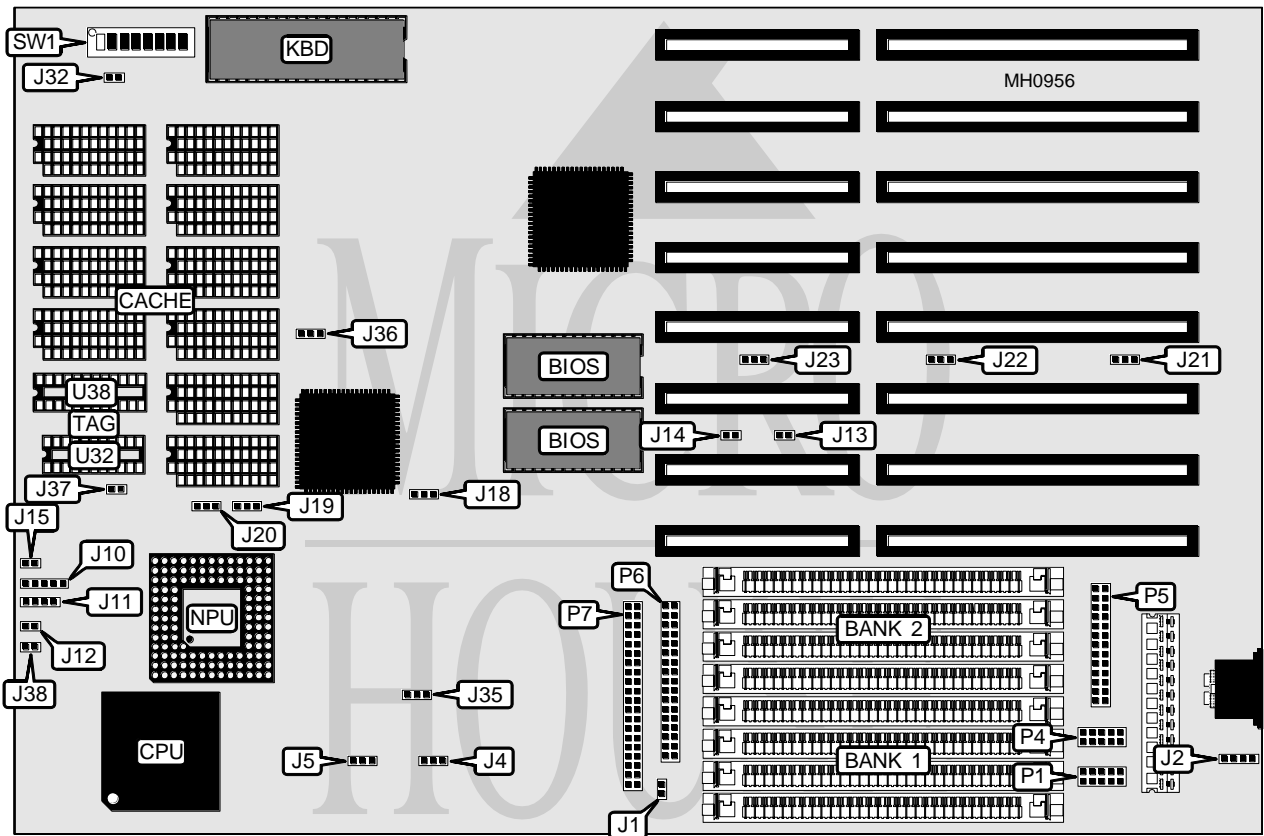


# AMERICAN MEGATRENDS, INC. MARK V BABY SCREAMER

|                          |  |
|--------------------------|--|
| <b>Processor</b>         | 80386DX  |
| <b>Processor Speed</b>   | 25/33/40MHz  |
| <b>Chip Set</b>          | AMI  |
| <b>Max. Onboard DRAM</b> | 32MB   |
| <b>Cache</b>             | 64/256KB   |
| <b>BIOS</b>              | AMI  |
| <b>Dimensions</b>        | 330mm x 218mm  |
| <b>I/O Options</b>       | Floppy drive interface, IDE interface, parallel port, serial ports (2) |
| <b>NPU Options</b>       | 80387/3167   |



| CONNECTIONS         |          |                  |          |
|---------------------|----------|------------------|----------|
| Purpose             | Location | Purpose          | Location |
| IDE interface LED   | J1       | Turbo switch     | J38      |
| External battery    | J2       | Serial port 2    | P1       |
| Power LED & keylock | J10      | Serial port 1    | P4       |
| Speaker             | J11      | Parallel port    | P5       |
| Reset switch        | J12      | Floppy interface | P6       |
| Diagnostic LED      | J13      | IDE interface    | P7       |
| Turbo LED           | J15      |                  |          |

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| USER CONFIGURABLE SETTINGS          |               |                   |
|-------------------------------------|---------------|-------------------|
| Function                            | Jumper/Switch | Position          |
| í ROM access select 0 wait state    | J14           | Closed            |
| ROM access select 1 wait state      | J14           | Open              |
| í BIOS type select 27256            | J18           | pins 1 & 2 closed |
| BIOS type select 27512              | J18           | pins 2 & 3 closed |
| í Serial port COM2 select IRQ3      | J21           | pins 2 & 3 closed |
| Serial port COM2 select IRQ4        | J21           | pins 1 & 2 closed |
| í Serial port COM1 select IRQ4      | J22           | pins 2 & 3 closed |
| Serial port COM1 select IRQ3        | J22           | pins 1 & 2 closed |
| í Parallel port IRQ select IRQ7     | J23           | pins 2 & 3 closed |
| Parallel port IRQ select IRQ5       | J23           | pins 1 & 2 closed |
| í Segment C800 shadow enabled       | J36           | pins 2 & 3 closed |
| Segment C800 shadow disabled        | J36           | pins 1 & 2 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                |
| í Video shadow enabled              | SW1/3         | On                |
| Video shadow disabled               | SW1/3         | Off               |
| í ROM BIOS shadow enabled           | SW1/4         | On                |
| ROM BIOS shadow disabled            | SW1/4         | Off               |

| DRAM CONFIGURATION |              |              |
|--------------------|--------------|--------------|
| Size               | Bank 1       | Bank 2       |
| 1MB                | (4) 256K x 9 | NONE         |
| 2MB                | (4) 256K x 9 | (4) 256K x 9 |
| 4MB                | (4) 1M x 9   | NONE         |
| 8MB                | (4) 1M x 9   | (4) 1M x 9   |
| 16MB               | (4) 4M x 9   | NONE         |
| 32MB               | (4) 4M x 9   | (4) 4M x 9   |

| DRAM JUMPER/SWITCH CONFIGURATION |       |       |       |       |       |       |
|----------------------------------|-------|-------|-------|-------|-------|-------|
| Size                             | J4    | J5    | SW1/5 | SW1/6 | SW1/7 | SW1/8 |
| 1MB                              | 2 & 3 | 2 & 3 | On    | On    | On    | On    |
| 2MB                              | 2 & 3 | 2 & 3 | On    | Off   | On    | On    |
| 4MB                              | 2 & 3 | 1 & 2 | On    | On    | On    | Off   |
| 8MB                              | 2 & 3 | 1 & 2 | On    | Off   | On    | Off   |
| 16MB                             | 1 & 2 | 1 & 2 | On    | On    | Off   | Off   |
| 32MB                             | 1 & 2 | 1 & 2 | On    | Off   | Off   | Off   |

Note : Pins designated should be in the closed position.

| CACHE CONFIGURATION |              |             |             |
|---------------------|--------------|-------------|-------------|
| Size                | Bank 0       | TAG (U32)   | TAG (U38)   |
| 64KB                | (10) 16K x 4 | (1) 16K x 4 | NONE        |
| 256KB               | (10) 64K x 4 | NONE        | (1) 64K x 4 |

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| CACHE JUMPER CONFIGURATION |                   |                   |        |
|----------------------------|-------------------|-------------------|--------|
| Size                       | J19               | J20               | J32    |
| 64KB                       | pins 2 & 3 closed | pins 2 & 3 closed | Open   |
| 256KB                      | pins 1 & 2 closed | pins 1 & 2 closed | Closed |

| CPU SPEED CONFIGURATION |                   |        |
|-------------------------|-------------------|--------|
| Speed                   | J35               | J37    |
| 25MHz                   | pins 2 & 3 closed | Open   |
| 33MHz                   | pins 2 & 3 closed | Open   |
| 40MHz                   | pins 1 & 2 closed | Closed |