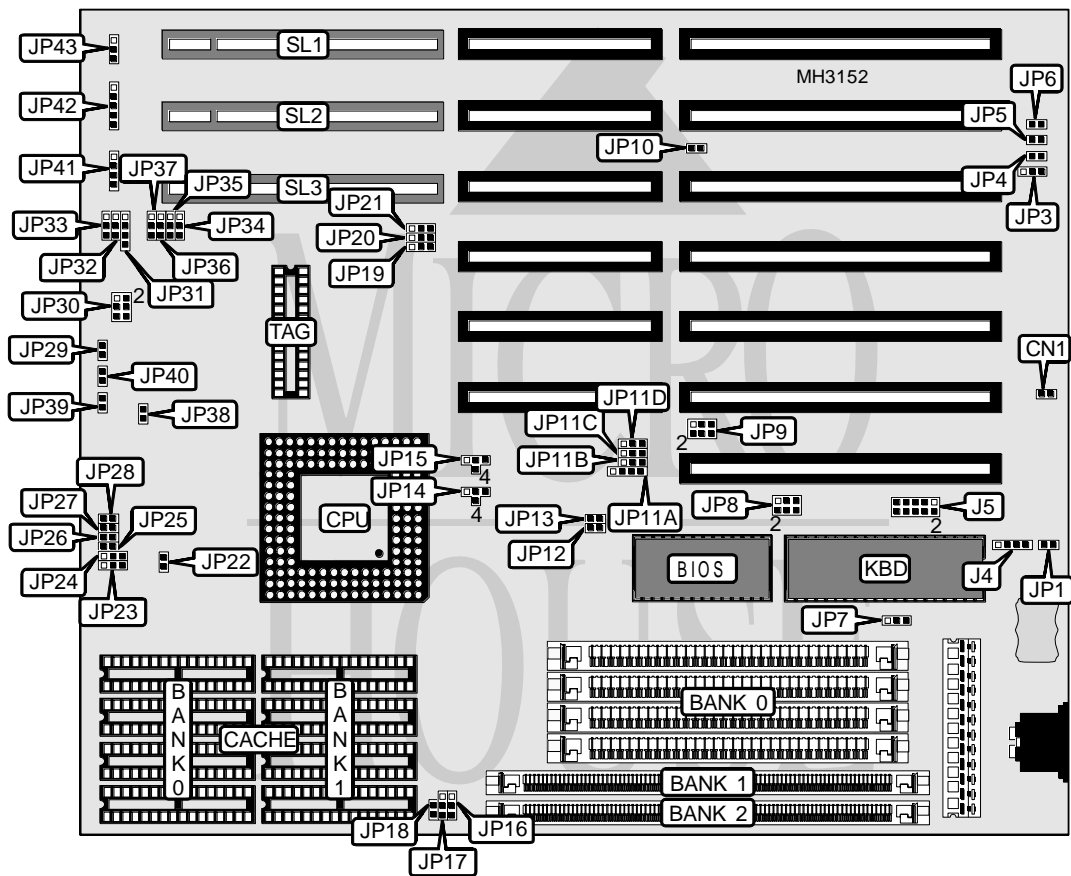


# UNIDENTIFIED P M 4 8 6 G A V E S A

|                          |  |
|--------------------------|--|
| <b>Processor</b>         | CX486M6/TI486/(IBM)BlueLightening/AM486SX/80486SX/80487SX/CX486DX/AM486DX/80486DX/CX486DX2/AM486DX2/80486DX2/P4S/P23S/P24S/<br>Pentium Overdrive |
| <b>Processor Speed</b>   | 25/33/40/50(internal)/50/66(internal)/80(internal)MHz  |
| <b>Chip Set</b>          | ALI  |
| <b>Max. Onboard DRAM</b> | 128MB  |
| <b>Cache</b>             | 64/128/256/512/1024KB  |
| <b>BIOS</b>              | AMI/Phoenix  |
| <b>Dimensions</b>        | 254mm x 218mm  |
| <b>I/O Options</b>       | 32-bit VESA local bus slots (3), green PC connector  |
| <b>NPU Options</b>       | None   |



| CONNECTIONS              |          |                             |           |
|--------------------------|----------|-----------------------------|-----------|
| Purpose                  | Location | Purpose                     | Location  |
| External battery         | J4       | Turbo switch                | JP40      |
| Green PC connector       | JP12     | Speaker                     | JP41      |
| Ring in signal connector | JP13     | Power LED & keylock         | JP42      |
| Reset switch             | JP38     | 32-bit VESA local bus slots | SL1 - SL3 |
| Turbo LED                | JP39     |                             |           |

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| USER CONFIGURABLE SETTINGS          |        |                   |
|-------------------------------------|--------|-------------------|
| Function                            | Jumper | Position          |
| í CMOS memory normal operation      | CN1    | Closed            |
| CMOS memory clear                   | CN1    | Open              |
| í Factory configured - do not alter | JP1    | N/A               |
| í Monitor type select color         | JP7    | pins 2 & 3 closed |
| Monitor type select monochrome      | JP7    | pins 1 & 2 closed |
| í Green PC enabled                  | JP10   | Closed            |
| Green PC disabled                   | JP10   | Open              |
| í ADS speed select > 33MHz          | JP43   | pins 2 & 3 closed |
| ADS speed select <= 33MHz           | JP43   | pins 1 & 2 closed |

| DRAM CONFIGURATION |              |               |               |
|--------------------|--------------|---------------|---------------|
| Size               | Bank 0       | Bank 1        | Bank 2        |
| 1MB                | (4) 256K x 9 | NONE          | NONE          |
| 1MB                | NONE         | (1) 256K x 36 | NONE          |
| 2MB                | (4) 256K x 9 | NONE          | (1) 256K x 36 |
| 2MB                | NONE         | (1) 256K x 36 | (1) 256K x 36 |
| 4MB                | (4) 1M x 9   | NONE          | NONE          |
| 4MB                | NONE         | (1) 1M x 36   | NONE          |
| 5MB                | (4) 256K x 9 | NONE          | (1) 1M x 36   |
| 5MB                | (4) 1M x 9   | NONE          | (1) 256K x 36 |
| 5MB                | NONE         | (1) 1M x 36   | (1) 256K x 36 |
| 5MB                | NONE         | (1) 256K x 36 | (1) 1M x 36   |
| 8MB                | (4) 1M x 9   | NONE          | (1) 1M x 36   |
| 8MB                | NONE         | (1) 1M x 36   | (1) 1M x 36   |
| 8MB                | NONE         | (1) 2M x 36   | NONE          |
| 9MB                | (4) 256K x 9 | NONE          | (1) 2M x 36   |
| 9MB                | NONE         | (1) 256K x 36 | (1) 2M x 36   |
| 9MB                | NONE         | (1) 2M x 36   | (1) 256K x 36 |
| 12MB               | (4) 1M x 9   | NONE          | (1) 2M x 36   |
| 12MB               | NONE         | (1) 1M x 36   | (1) 2M x 36   |
| 12MB               | NONE         | (1) 2M x 36   | (1) 1M x 36   |
| 16MB               | (4) 4M x 9   | NONE          | NONE          |
| 16MB               | NONE         | (1) 4M x 36   | NONE          |
| 16MB               | NONE         | (1) 2M x 36   | (1) 2M x 36   |
| 17MB               | (4) 256K x 9 | NONE          | (1) 4M x 36   |
| 17MB               | NONE         | (1) 256K x 36 | (1) 4M x 36   |
| 17MB               | NONE         | (1) 4M x 36   | (1) 256K x 36 |
| 20MB               | (4) 1M x 9   | NONE          | (1) 4M x 36   |
| 20MB               | NONE         | (1) 1M x 36   | (1) 4M x 36   |
| 20MB               | NONE         | (1) 4M x 36   | (1) 1M x 36   |
| 20MB               | (4) 4M x 9   | NONE          | (1) 1M x 36   |
| 24MB               | (4) 4M x 9   | NONE          | (1) 2M x 36   |
| 24MB               | NONE         | (1) 4M x 36   | (1) 2M x 36   |
| 24MB               | NONE         | (1) 2M x 36   | (1) 4M x 36   |

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| DRAM CONFIGURATION (CON'T) |             |             |               |
|----------------------------|-------------|-------------|---------------|
| Size                       | Bank 0      | Bank 1      | Bank 2        |
| 32MB                       | (4) 4M x 9  | NONE        | (1) 4M x 36   |
| 32MB                       | NONE        | (1) 4M x 36 | (1) 4M x 36   |
| 64MB                       | (4) 16M x 9 | NONE        | NONE          |
| 65MB                       | (4) 16M x 9 | NONE        | (1) 256K x 36 |
| 68MB                       | (4) 16M x 9 | NONE        | (1) 1M x 36   |
| 72MB                       | (4) 16M x 9 | NONE        | (1) 2M x 36   |
| 80MB                       | (4) 16M x 9 | NONE        | (1) 4M x 36   |
| 128MB                      | (4) 16M x 9 | (1) 8M x 36 | (1) 8M x 36   |

| DRAM JUMPER CONFIGURATION |              |       |       |       |
|---------------------------|--------------|-------|-------|-------|
| Type                      | JP11A        | JP11B | JP11C | JP11D |
| Double side SIMM          | 1 & 2, 3 & 4 | 1 & 2 | 1 & 2 | 1 & 2 |
| Single side SIMM          | 2 & 3        | 2 & 3 | 2 & 3 | 2 & 3 |

Note: Pins designated should be in the closed position.

| CACHE CONFIGURATION |              |              |              |
|---------------------|--------------|--------------|--------------|
| Size                | Bank 0       | Bank 1       | TAG          |
| 32KB                | (4) 8K x 8   | NONE         | (1) 8K x 8   |
| 64KB                | (4) 8K x 8   | (4) 8K x 8   | (1) 8K x 8   |
| 128KB               | (4) 32K x 8  | NONE         | (1) 32K x 8  |
| 256KB (A)           | (4) 32K x 8  | (4) 32K x 8  | (1) 32K x 8  |
| 256KB (B)           | (4) 64K x 8  | NONE         | (1) 32K x 8  |
| 512KB               | (4) 64K x 8  | (4) 64K x 8  | (1) 64K x 8  |
| 1MB                 | (4) 128K x 8 | (4) 128K x 8 | (1) 128K x 8 |

| CACHE JUMPER CONFIGURATION |       |       |        |                     |
|----------------------------|-------|-------|--------|---------------------|
| Size                       | JP16  | JP17  | JP18   | JP30                |
| 32KB                       | 2 & 3 | 2 & 3 | Open   | Open                |
| 64KB                       | 1 & 2 | 1 & 2 | Open   | 1 & 2               |
| 128KB                      | 1 & 2 | 2 & 3 | Closed | 1 & 2, 3 & 4        |
| 256KB (A)                  | 1 & 2 | 1 & 2 | Closed | 1 & 2, 3 & 4, 5 & 6 |
| 256KB (B)                  | 1 & 2 | 1 & 2 | Closed | 1 & 2, 3 & 4, 5 & 6 |
| 512KB                      | 1 & 2 | 1 & 2 | Closed | 1 & 2, 3 & 4, 5 & 6 |
| 1MB                        | 1 & 2 | 1 & 2 | Closed | 1 & 2, 3 & 4, 5 & 6 |

Note: Pins designated should be in the closed position.

| CACHE JUMPER CONFIGURATION (CON'T) |                          |                   |                   |
|------------------------------------|--------------------------|-------------------|-------------------|
| Size                               | JP31                     | JP32              | JP33              |
| 32KB                               | Open                     | pins 1 & 2 closed | Open              |
| 64KB                               | Open                     | pins 1 & 2 closed | Open              |
| 128KB                              | Open                     | pins 1 & 2 closed | Open              |
| 256KB (A)                          | Open                     | pins 1 & 2 closed | Open              |
| 256KB (B)                          | Open                     | pins 1 & 2 closed | pins 2 & 3 closed |
| 512KB                              | pins 1 & 2 closed        | pins 2 & 3 closed | pins 1 & 2 closed |
| 1MB                                | pins 1 & 2, 3 & 4 closed | pins 2 & 3 closed | pins 1 & 2 closed |

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| CPU TYPE CONFIGURATION |      |        |        |       |       |
|------------------------|------|--------|--------|-------|-------|
| Type                   | JP4  | JP5    | JP6    | JP9   | JP14  |
| AM486SX                | Open | Open   | Open   | Open  | Open  |
| 80486SX                | Open | Open   | Open   | Open  | Open  |
| 80487SX                | Open | Open   | Open   | Open  | Open  |
| CX486DX                | Open | Open   | Closed | 5 & 6 | 2 & 4 |
| AM486DX-33             | Open | Open   | Open   | Open  | Open  |
| AM486DX-40/50          | Open | Open   | Open   | Open  | Open  |
| 80486DX-33             | Open | Open   | Open   | Open  | Open  |
| 80486DX-40/50          | Open | Open   | Open   | Open  | Open  |
| CX486DX2               | Open | Open   | Closed | 5 & 6 | 2 & 4 |
| AM486DX2               | Open | Open   | Open   | Open  | Open  |
| 80486DX2               | Open | Open   | Open   | Open  | Open  |
| P4S                    | Open | Open   | Open   | Open  | 1 & 2 |
| P23S                   | Open | Open   | Open   | Open  | 1 & 2 |
| P24S                   | Open | Open   | Open   | Open  | 1 & 2 |
| P24T                   | Open | Closed | Open   | Open  | 1 & 2 |

Note: Pins designated should be in the closed position.

| CPU TYPE CONFIGURATION (CON'T) |       |       |       |       |        |       |
|--------------------------------|-------|-------|-------|-------|--------|-------|
| Type                           | JP15  | JP19  | JP20  | JP21  | JP22   | JP23  |
| AM486SX                        | Open  | Open  | 1 & 2 | 2 & 3 | Open   | 1 & 2 |
| 80486SX                        | Open  | Open  | 1 & 2 | 2 & 3 | Open   | 1 & 2 |
| 80487SX                        | Open  | 1 & 2 | 1 & 2 | 1 & 2 | Open   | 2 & 3 |
| CX486DX                        | 2 & 4 | Open  | 1 & 2 | 1 & 2 | Open   | 1 & 2 |
| AM486DX-33                     | Open  | 2 & 3 | 1 & 2 | 2 & 3 | Open   | 2 & 3 |
| AM486DX-40/50                  | Open  | 2 & 3 | 1 & 2 | 2 & 3 | Open   | 2 & 3 |
| 80486DX-33                     | Open  | 2 & 3 | 1 & 2 | 2 & 3 | Open   | 2 & 3 |
| 80486DX-40/50                  | Open  | 2 & 3 | 1 & 2 | 2 & 3 | Open   | 2 & 3 |
| CX486DX2                       | 2 & 4 | Open  | 1 & 2 | 1 & 2 | Open   | 1 & 2 |
| AM486DX2                       | Open  | 2 & 3 | 1 & 2 | 2 & 3 | Open   | 2 & 3 |
| 80486DX2                       | Open  | 2 & 3 | 1 & 2 | 2 & 3 | Open   | 2 & 3 |
| P4S                            | 1 & 2 | 2 & 3 | 1 & 2 | 1 & 2 | Open   | 2 & 3 |
| P23S                           | 1 & 2 | Open  | 1 & 2 | 1 & 2 | Open   | 1 & 2 |
| P24S                           | 1 & 2 | 2 & 3 | 1 & 2 | 1 & 2 | Open   | 2 & 3 |
| P24T                           | 1 & 2 | 1 & 2 | 2 & 3 | 1 & 2 | Closed | 2 & 3 |

Note: Pins designated should be in the closed position.

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| CPU TYPE CONFIGURATION (CON'T) |       |        |        |        |        |        |
|--------------------------------|-------|--------|--------|--------|--------|--------|
| Type                           | JP24  | JP25   | JP26   | JP27   | JP28   | JP29   |
| AM486SX                        | Open  | Open   | Closed | Open   | Closed | Open   |
| 80486SX                        | Open  | Open   | Closed | Open   | Closed | Open   |
| 80487SX                        | Open  | Open   | Closed | Open   | Closed | Open   |
| CX486DX                        | 1 & 2 | Closed | Open   | Open   | Closed | Closed |
| AM486DX-33                     | Open  | Open   | Closed | Open   | Closed | Open   |
| AM486DX-40/50                  | Open  | Open   | Closed | Open   | Closed | Closed |
| 80486DX-33                     | Open  | Open   | Closed | Open   | Closed | Open   |
| 80486DX-40/50                  | Open  | Open   | Closed | Open   | Closed | Closed |
| CX486DX2                       | 1 & 2 | Closed | Open   | Open   | Closed | Open   |
| AM486DX2                       | Open  | Open   | Closed | Open   | Closed | Open   |
| 80486DX2                       | Open  | Open   | Closed | Open   | Closed | Open   |
| P4S                            | 2 & 3 | Open   | Closed | Closed | Closed | Open   |
| P23S                           | 2 & 3 | Open   | Closed | Closed | Closed | Open   |
| P24S                           | 2 & 3 | Open   | Closed | Closed | Closed | Open   |
| P24T                           | 2 & 3 | Open   | Closed | Open   | Closed | Open   |

Note: Pins designated should be in the closed position.

| CPU TYPE CONFIGURATION |                          |      |
|------------------------|--------------------------|------|
| Type                   | JP9                      | JP28 |
| TI 486                 | pins 1 & 2, 5 & 6 closed | N/A  |
| IBM Blue Lightning     | pins 1 & 2, 3 & 4 closed | N/A  |
| CX486M6                | N/A                      | Open |

Note: These are alternate jumper settings for the above CPU types.

| CPU SPEED CONFIGURATION |                   |                          |                   |                   |
|-------------------------|-------------------|--------------------------|-------------------|-------------------|
| Speed                   | JP3               | JP8                      | JP34              | JP35              |
| 25MHz                   | pins 1 & 2 closed | pins 1 & 2, 5 & 6 closed | pins 1 & 2 closed | pins 1 & 2 closed |
| 33MHz                   | pins 1 & 2 closed | pins 1 & 2, 3 & 4 closed | pins 1 & 2 closed | pins 1 & 2 closed |
| 40MHz                   | pins 2 & 3 closed | pins 3 & 4, 5 & 6 closed | pins 2 & 3 closed | pins 2 & 3 closed |
| 50iMHz                  | pins 1 & 2 closed | pins 1 & 2, 5 & 6 closed | pins 1 & 2 closed | pins 1 & 2 closed |
| 50MHz                   | pins 2 & 3 closed | pins 1 & 2, 5 & 6 closed | pins 2 & 3 closed | pins 2 & 3 closed |
| 66iMHz                  | pins 1 & 2 closed | pins 1 & 2, 3 & 4 closed | pins 1 & 2 closed | pins 1 & 2 closed |
| 80iMHz                  | pins 2 & 3 closed | pins 3 & 4, 5 & 6 closed | pins 2 & 3 closed | pins 2 & 3 closed |

| VL BUS WAIT STATE CONFIGURATION |                   |
|---------------------------------|-------------------|
| Wait states                     | JP36              |
| 0 wait states                   | pins 1 & 2 closed |
| 1 wait state                    | pins 2 & 3 closed |

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| VL BUS SPEED CONFIGURATION |                   |
|----------------------------|-------------------|
| CPU speed                  | JP37              |
| <= 33MHz                   | pins 2 & 3 closed |
| í > 33MHz                  | pins 1 & 2 closed |

| GREEN PC CONFIGURATION |                    |
|------------------------|--------------------|
| Setting                | J5                 |
| Reserved               | pins 1 & 2 closed  |
| Chassis fan power      | pins 3 & 4 closed  |
| Monitor power          | pins 5 & 6 closed  |
| VGA H-synch            | pins 7 & 8 closed  |
| VGA V-synch            | pins 9 & 10 closed |