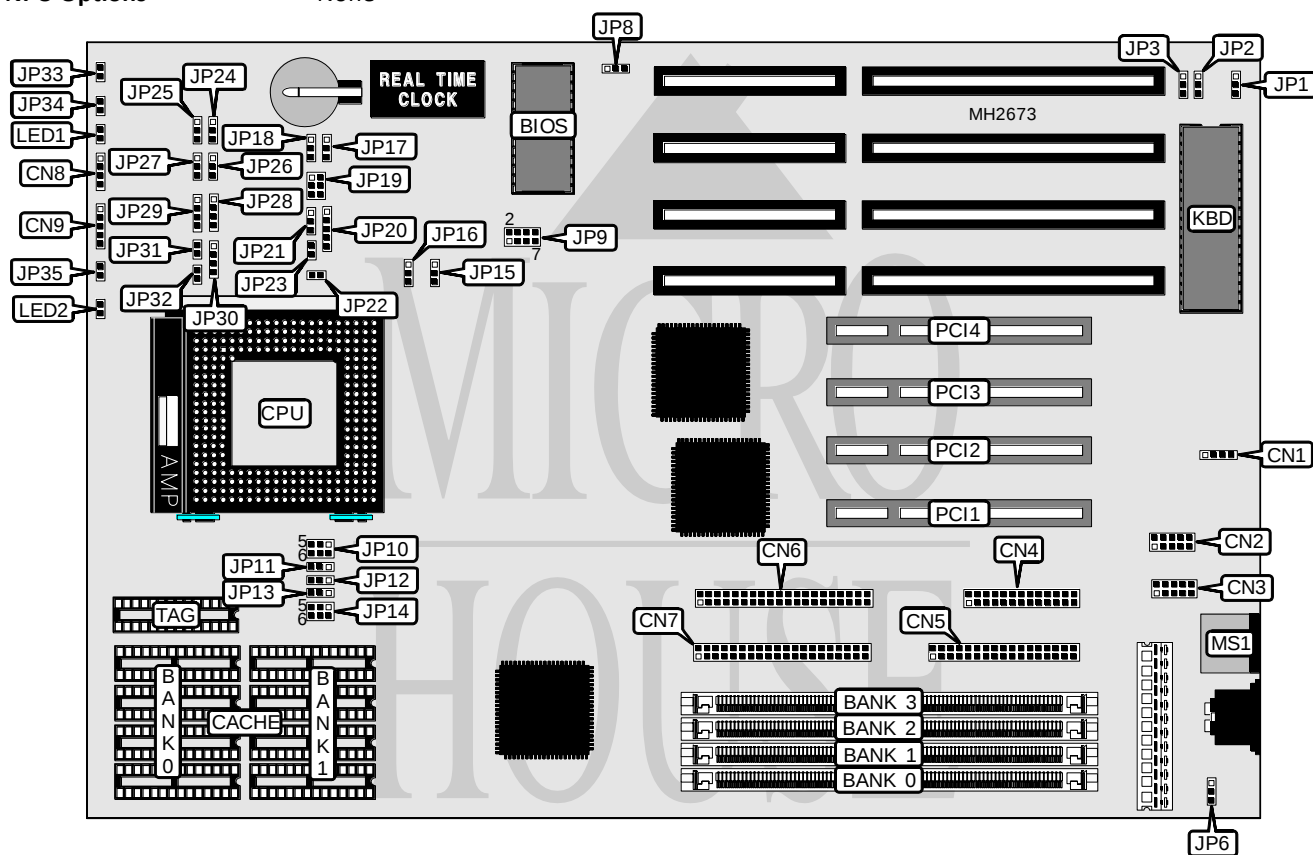


SHUTTLE COMPUTER INTERNATIONAL, INC.  
HOT-433

|                          |                                                                                                                                                                          |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Processor</b>         | CX486S/80486SX/SL80486SX/CX486DX/AM486DX/SL AM486DX/UMC U5/80486DX/AM486DX2/SL AM486DX2/CX486DX2/80486DX2/CX486DX4/ SL AM486DX4/AM486DX4/80486DX4/P24D/Pentium Overdrive |
| <b>Processor Speed</b>   | 25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)MHz                                                                                                      |
| <b>Chip Set</b>          | UMC                                                                                                                                                                      |
| <b>Max. Onboard DRAM</b> | 256MB                                                                                                                                                                    |
| <b>Cache</b>             | 128/256/512/1024KB                                                                                                                                                       |
| <b>BIOS</b>              | AMI                                                                                                                                                                      |
| <b>Dimensions</b>        | 260 x 220mm                                                                                                                                                              |
| <b>I/O Options</b>       | 32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2)                                   |
| <b>NPU Options</b>       | None                                                                                                                                                                     |



| CONNECTIONS                |          |                    |             |
|----------------------------|----------|--------------------|-------------|
| Purpose                    | Location | Purpose            | Location    |
| External battery           | CN1      | Green PC connector | JP6         |
| Serial port 2              | CN2      | Reset switch       | JP33        |
| Serial port 1              | CN3      | Turbo switch       | JP34        |
| Parallel port              | CN4      | EPMI connector     | JP35        |
| Floppy drive interface     | CN5      | Turbo LED          | LED1        |
| IDE linterface (secondary) | CN6      | IDE interface LED  | LED2        |
| IDE interface (primary)    | CN7      | PS/2 mouse port    | MS1         |
| Speaker                    | CN8      | 32-bit PCI slots   | PCI1 - PCI4 |
| Power LED & keylock        | CN9      |                    |             |

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| USER CONFIGURABLE SETTINGS         |        |                   |
|------------------------------------|--------|-------------------|
| Function                           | Jumper | Position          |
| í Flash BIOS voltage select 5v     | JP8    | pins 2 & 3 closed |
| Flash BIOS voltage select 12v      | JP8    | pins 1 & 2 closed |
| í CPU cache type select write back | JP24   | pins 2 & 3 closed |
| CPU cache type select write though | JP24   | pins 1 & 2 closed |
| CPU cache type select other CPU    | JP24   | Open              |

| DRAM CONFIGURATION |               |               |               |               |
|--------------------|---------------|---------------|---------------|---------------|
| Size               | Bank 0        | Bank 1        | Bank 2        | Bank 3        |
| 1MB                | (1) 256K x 36 | NONE          | NONE          | NONE          |
| 2MB                | (1) 256K x 36 | (1) 256K x 36 | NONE          | NONE          |
| 2MB                | (1) 512K x 36 | NONE          | NONE          | NONE          |
| 3MB                | (1) 256K x 36 | (1) 256K x 36 | (1) 256K x 36 | NONE          |
| 4MB                | (1) 256K x 36 | (1) 256K x 36 | (1) 256K x 36 | (1) 256K x 36 |
| 4MB                | (1) 512K x 36 | (1) 512K x 36 | NONE          | NONE          |
| 4MB                | (1) 1M x 36   | NONE          | NONE          | NONE          |
| 6MB                | (1) 512K x 36 | (1) 512K x 36 | (1) 512K x 36 | NONE          |
| 6MB                | (1) 256K x 36 | (1) 256K x 36 | (1) 512K x 36 | (1) 512K x 36 |
| 8MB                | (1) 512K x 36 | (1) 512K x 36 | (1) 512K x 36 | (1) 512K x 36 |
| 8MB                | (1) 1M x 36   | (1) 1M x 36   | NONE          | NONE          |
| 8MB                | (1) 2M x 36   | NONE          | NONE          | NONE          |
| 10MB               | (1) 256K x 36 | (1) 256K x 36 | (1) 1M x 36   | (1) 1M x 36   |
| 12MB               | (1) 1M x 36   | (1) 1M x 36   | (1) 1M x 36   | NONE          |
| 12MB               | (1) 512K x 36 | (1) 512K x 36 | (1) 1M x 36   | (1) 1M x 36   |
| 16MB               | (1) 1M x 36   | (1) 1M x 36   | (1) 1M x 36   | (1) 1M x 36   |
| 16MB               | (1) 2M x 36   | (1) 2M x 36   | NONE          | NONE          |
| 16MB               | (1) 4M x 36   | NONE          | NONE          | NONE          |
| 18MB               | (1) 256K x 36 | (1) 256K x 36 | (1) 2M x 36   | (1) 2M x 36   |
| 20MB               | (1) 512K x 36 | (1) 512K x 36 | (1) 2M x 36   | (1) 2M x 36   |
| 24MB               | (1) 2M x 36   | (1) 2M x 36   | (1) 2M x 36   | NONE          |
| 24MB               | (1) 1M x 36   | (1) 1M x 36   | (1) 2M x 36   | (1) 2M x 36   |
| 32MB               | (1) 2M x 36   | (1) 2M x 36   | (1) 2M x 36   | (1) 2M x 36   |
| 32MB               | (1) 4M x 36   | (1) 4M x 36   | NONE          | NONE          |
| 32MB               | (1) 8M x 36   | NONE          | NONE          | NONE          |
| 34MB               | (1) 256K x 36 | (1) 256K x 36 | (1) 4M x 36   | (1) 4M x 36   |
| 36MB               | (1) 512K x 36 | (1) 512K x 36 | (1) 4M x 36   | (1) 4M x 36   |
| 40MB               | (1) 1M x 36   | (1) 1M x 36   | (1) 4M x 36   | (1) 4M x 36   |
| 48MB               | (1) 4M x 36   | (1) 4M x 36   | (1) 4M x 36   | NONE          |
| 48MB               | (1) 2M x 36   | (1) 2M x 36   | (1) 4M x 36   | (1) 4M x 36   |
| 64MB               | (1) 4M x 36   | (1) 4M x 36   | (1) 4M x 36   | (1) 4M x 36   |
| 64MB               | (1) 8M x 36   | (1) 8M x 36   | NONE          | NONE          |
| 64MB               | (1) 16M x 36  | NONE          | NONE          | NONE          |
| 66MB               | (1) 256K x 36 | (1) 256K x 36 | (1) 8M x 36   | (1) 8M x 36   |
| 68MB               | (1) 512K x 36 | (1) 512K x 36 | (1) 8M x 36   | (1) 8M x 36   |
| 72MB               | (1) 1M x 36   | (1) 1M x 36   | (1) 8M x 36   | (1) 8M x 36   |

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| DRAM CONFIGURATION (CON'T) |              |              |              |              |
|----------------------------|--------------|--------------|--------------|--------------|
| Size                       | Bank 0       | Bank 1       | Bank 2       | Bank 3       |
| 80MB                       | (1) 2M x 36  | (1) 2M x 36  | (1) 8M x 36  | (1) 8M x 36  |
| 96MB                       | (1) 8M x 36  | (1) 8M x 36  | (1) 8M x 36  | NONE         |
| 96MB                       | (1) 4M x 36  | (1) 4M x 36  | (1) 8M x 36  | (1) 8M x 36  |
| 128MB                      | (1) 8M x 36  | (1) 8M x 36  | (1) 8M x 36  | (1) 8M x 36  |
| 128MB                      | (1) 16M x 36 | (1) 16M x 36 | NONE         | NONE         |
| 160MB                      | (1) 4M x 36  | (1) 4M x 36  | (1) 16M x 36 | (1) 16M x 36 |
| 192MB                      | (1) 16M x 36 | (1) 16M x 36 | (1) 16M x 36 | NONE         |
| 192MB                      | (1) 8M x 36  | (1) 8M x 36  | (1) 16M x 36 | (1) 16M x 36 |
| 256MB                      | (1) 16M x 36 | (1) 16M x 36 | (1) 16M x 36 | (1) 16M x 36 |

| CACHE CONFIGURATION |              |              |             |
|---------------------|--------------|--------------|-------------|
| Size                | Bank 0       | Bank 1       | TAG         |
| 128KB               | (4) 32K x 8  | Open         | (1) 8K x 8  |
| 256KB               | (4) 32K x 8  | (4) 32K x 8  | (1) 32K x 8 |
| 256KB               | (4) 64K x 8  | Open         | (1) 32K x 8 |
| 512KB               | (4) 128K x 8 | Open         | (1) 32K x 8 |
| 512KB               | (4) 64K x 8  | (4) 64K x 8  | (1) 32K x 8 |
| 1MB                 | (4) 128K x 8 | (4) 128K x 8 | (1) 64K x 8 |

| CACHE JUMPER CONFIGURATION                          |       |       |       |                     |
|-----------------------------------------------------|-------|-------|-------|---------------------|
| Size                                                | JP11  | JP12  | JP13  | JP14                |
| 128KB                                               | Open  | Open  | 2 & 3 | Open                |
| 256KB                                               | Open  | Open  | 1 & 2 | 1 & 2               |
| 256KB                                               | Open  | 1 & 2 | 2 & 3 | 1 & 2               |
| 512KB                                               | 1 & 2 | 1 & 2 | 2 & 3 | 1 & 2, 3 & 4        |
| 512KB                                               | Open  | 2 & 3 | 1 & 2 | 1 & 2, 3 & 4        |
| 1MB                                                 | 2 & 3 | 2 & 3 | 1 & 2 | 1 & 2, 3 & 4, 5 & 6 |
| Note: Pins designated should be in closed position. |       |       |       |                     |

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| CPU TYPE CONFIGURATION |              |       |              |              |       |
|------------------------|--------------|-------|--------------|--------------|-------|
| Type                   | JP10         | JP17  | JP19         | JP20         | JP21  |
| CX486S                 | 1 & 3, 4 & 6 | 2 & 3 | 3 & 4        | 1 & 2, 3 & 4 | 1 & 2 |
| 80486SX                | 1 & 3, 2 & 4 | Open  | 1 & 2        | Open         | Open  |
| SL80486SX              | 1 & 3, 2 & 4 | 1 & 2 | 3 & 4        | 2 & 3, 4 & 5 | 1 & 2 |
| CX486DX                | 1 & 3, 4 & 6 | 2 & 3 | 3 & 4        | 1 & 2, 3 & 4 | 1 & 2 |
| AM486DX                | 1 & 3, 2 & 4 | Open  | 1 & 2        | Open         | Open  |
| SL AM486DX             | 1 & 3, 2 & 4 | 1 & 2 | 3 & 4        | 2 & 3, 4 & 5 | 1 & 2 |
| UMC U5                 | 2 & 4, 3 & 5 | Open  | 1 & 2        | Open         | 2 & 3 |
| 80486DX                | 1 & 3, 2 & 4 | Open  | 1 & 2        | Open         | Open  |
| AM486DX2               | 1 & 3, 2 & 4 | Open  | 1 & 2        | Open         | Open  |
| SL AM486DX2            | 1 & 3, 2 & 4 | 1 & 2 | 3 & 4        | 2 & 3, 4 & 5 | 1 & 2 |
| CX486DX2               | 1 & 3, 4 & 6 | 2 & 3 | 3 & 4        | 1 & 2, 3 & 4 | 1 & 2 |
| 80486DX2               | 1 & 3, 2 & 4 | Open  | 1 & 2        | Open         | Open  |
| CX486DX4               | 1 & 3, 4 & 6 | 1 & 2 | 3 & 4        | 2 & 3, 4 & 5 | 1 & 2 |
| SL AM486DX4            | 1 & 3, 2 & 4 | 1 & 2 | 3 & 4        | 2 & 3, 4 & 5 | 1 & 2 |
| AM486DX4               | 1 & 3, 2 & 4 | Open  | 1 & 2        | Open         | Open  |
| 80486DX4               | 1 & 3, 2 & 4 | Open  | 1 & 2        | Open         | Open  |
| P24D                   | 1 & 3, 2 & 4 | 1 & 2 | 3 & 4        | 2 & 3, 4 & 5 | 1 & 2 |
| P24T                   | 1 & 3, 2 & 4 | 1 & 2 | 3 & 4, 5 & 6 | 2 & 3, 4 & 5 | 1 & 2 |

Note: Pins designated should be in closed position.

| CPU TYPE CONFIGURATION (CONT) |        |        |       |       |       |
|-------------------------------|--------|--------|-------|-------|-------|
| Type                          | JP22   | JP23   | JP25  | JP26  | JP27  |
| CX486S                        | Open   | Open   | 2 & 3 | 2 & 3 | 1 & 2 |
| 80486SX                       | Open   | Open   | 2 & 3 | Open  | Open  |
| SL80486SX                     | Open   | Open   | 2 & 3 | Open  | Open  |
| CX486DX                       | Open   | Open   | 2 & 3 | 2 & 3 | 1 & 2 |
| AM486DX                       | Open   | Open   | 2 & 3 | Open  | Open  |
| SL AM486DX                    | Open   | Open   | 2 & 3 | Open  | Open  |
| UMC U5                        | Open   | Open   | 2 & 3 | 1 & 2 | 2 & 3 |
| 80486DX                       | Open   | Open   | 2 & 3 | Open  | Open  |
| AM486DX2                      | Open   | Open   | 2 & 3 | Open  | Open  |
| SL AM486DX2                   | Open   | Open   | 2 & 3 | Open  | Open  |
| CX486DX2                      | Open   | Open   | 2 & 3 | 2 & 3 | 1 & 2 |
| 80486DX2                      | Open   | Open   | 2 & 3 | Open  | Open  |
| CX486DX4                      | Open   | Open   | 2 & 3 | 2 & 3 | 1 & 2 |
| SL AM486DX4                   | Open   | Open   | 2 & 3 | Open  | Open  |
| AM486DX4                      | Open   | Open   | 2 & 3 | Open  | Open  |
| 80486DX4                      | Open   | Open   | 2 & 3 | Open  | Open  |
| P24D                          | Closed | Closed | 2 & 3 | Open  | Open  |
| P24T                          | Open   | Open   | 2 & 3 | 1 & 2 | 2 & 3 |

Note: Pins designated should be in closed position.

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| CPU TYPE CONFIGURATION (CONT) |              |       |              |        |        |
|-------------------------------|--------------|-------|--------------|--------|--------|
| Type                          | JP28         | JP29  | JP30         | JP31   | JP32   |
| CX486S                        | 2 & 3        | 1 & 2 | Open         | Open   | Open   |
| 80486SX                       | 2 & 3        | Open  | Open         | Open   | Open   |
| SL80486SX                     | 2 & 3        | Open  | Open         | Open   | Open   |
| CX486DX                       | 1 & 2, 3 & 4 | 2 & 3 | 3 & 4        | Open   | Open   |
| AM486DX                       | 1 & 2, 3 & 4 | Open  | 3 & 4        | Open   | Open   |
| SL AM486DX                    | 1 & 2, 3 & 4 | Open  | 3 & 4        | Open   | Open   |
| UMC U5                        | 2 & 3        | 3 & 4 | 1 & 2, 3 & 4 | Open   | Open   |
| 80486DX                       | 1 & 2, 3 & 4 | Open  | 3 & 4        | Open   | Open   |
| AM486DX2                      | 1 & 2, 3 & 4 | Open  | 3 & 4        | Open   | Open   |
| SL AM486DX2                   | 1 & 2, 3 & 4 | Open  | 3 & 4        | Open   | Open   |
| CX486DX2                      | 1 & 2, 3 & 4 | 2 & 3 | 3 & 4        | Open   | Open   |
| 80486DX2                      | 1 & 2, 3 & 4 | Open  | 3 & 4        | Open   | Open   |
| CX486DX4                      | 1 & 2, 3 & 4 | Open  | 3 & 4        | Open   | Open   |
| SL AM486DX4                   | 1 & 2, 3 & 4 | Open  | 3 & 4        | Open   | Open   |
| AM486DX4                      | 1 & 2, 3 & 4 | Open  | 3 & 4        | Open   | Open   |
| 80486DX4                      | 1 & 2, 3 & 4 | Open  | 3 & 4        | Open   | Open   |
| P24D                          | 1 & 2, 3 & 4 | Open  | 3 & 4        | Closed | Closed |
| P24T                          | 1 & 2, 3 & 4 | 3 & 4 | 2 & 3        | Open   | Open   |

Note: Pins designated should be in closed position.

| CPU SPEED CONFIGURATION |                   |                   |                   |
|-------------------------|-------------------|-------------------|-------------------|
| Speed                   | JP1               | JP2               | JP3               |
| 25MHz                   | pins 2 & 3 closed | pins 2 & 3 closed | pins 1 & 2 closed |
| 33MHz                   | pins 1 & 2 closed | pins 1 & 2 closed | pins 1 & 2 closed |
| 40MHz                   | pins 2 & 3 closed | pins 1 & 2 closed | pins 1 & 2 closed |
| 50iMHz                  | pins 2 & 3 closed | pins 2 & 3 closed | pins 2 & 3 closed |
| 50MHz                   | pins 1 & 2 closed | pins 2 & 3 closed | pins 2 & 3 closed |
| 66iMHz                  | pins 1 & 2 closed | pins 1 & 2 closed | pins 1 & 2 closed |
| 75iMHz                  | pins 2 & 3 closed | pins 2 & 3 closed | pins 1 & 2 closed |
| 100iMHz                 | pins 1 & 2 closed | pins 1 & 2 closed | pins 1 & 2 closed |

| CPU CLOCK CONFIGURATION |             |                   |
|-------------------------|-------------|-------------------|
| CPU Type                | Clock Ratio | JP18              |
| DX4-75                  | 3:1         | Open              |
| DX4-100                 | 3:1         | Open              |
| DX4-100                 | 2:1         | pins 2 & 3 closed |
| Other CPU               | Other CPU   | Open              |

| CPU CLOCK CONFIGURATION - AMD |             |                   |
|-------------------------------|-------------|-------------------|
| CPU Type                      | Clock Ratio | JP18              |
| DX2-80                        | 3:1         | pins 2 & 3 closed |
| DX2-80                        | 2:1         | pins 1 & 2 closed |
| DX4-100                       | 3:1         | pins 2 & 3 closed |
| DX4-100                       | 2:1         | pins 1 & 2 closed |
| Other CPU                     | Other CPU   | Open              |



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| CPU VOLTAGE CONFIGURATION |                   |                   |                   |
|---------------------------|-------------------|-------------------|-------------------|
| Voltage                   | JP9               | JP15              | JP16              |
| 3.3v                      | pins 1 & 2 closed | pins 2 & 3 closed | pins 1 & 2 closed |
| 3.45v                     | pins 3 & 4 closed | pins 2 & 3 closed | pins 1 & 2 closed |
| 3.6v                      | pins 5 & 6 closed | pins 2 & 3 closed | pins 1 & 2 closed |
| 4v                        | pins 7 & 8 closed | pins 2 & 3 closed | pins 1 & 2 closed |
| 5v                        | Open              | pins 1 & 2 closed | pins 2 & 3 closed |