# CSS LABORATORIES, INC.
# P R E F E R R E D   4 3 3 G E   ( R E V .   B )

| | |
|---|---|
| **Processor** | 80486DX/80486DX2 |
| **Processor Speed** | 25/33/50(internal)/66(internal)MHz |
| **Chip Set** | C & T |
| **Max. Onboard DRAM** | 24MB |
| **SRAM Cache** | 32/256KB |
| **BIOS** | Award/Phoenix |
| **Dimensions** | 355mm x 304mm |
| **I/O Options** | 32-bit external memory card slot, 32-bit external cache card slot |
| | 32-bit local video card slot, auxiliary keyboard, IDE interface |
| | floppy drive interface, parallel port, serial port (2) |
| **NPU Options** | 4167 |
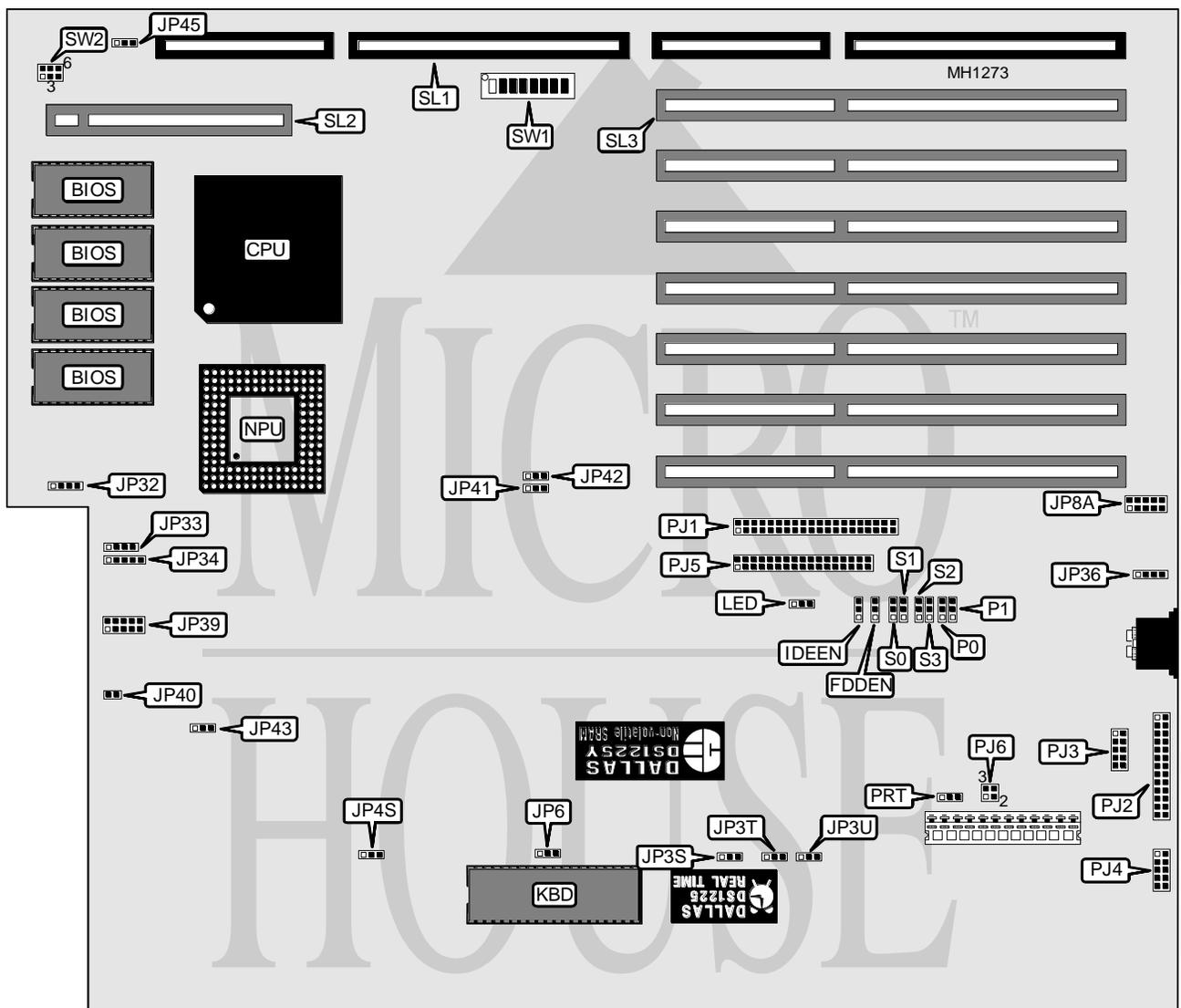
# CSS LABORATORIES, INC.
# PREFERRED 433GE (REV. B)

| CONNECTIONS | | | |
|---|---|---|---|
| Purpose | Location | Purpose | Location |
| Front panel switches & LEDs | JP39 | IDE interface | PJ1 |
| External hard drive access LED | JP40 | Parallel port | PJ2 |
| Auxiliary keyboard | JP8A | Serial port 1 | PJ3 |
| Reset switch | JP32 pins 1 & 2 | Serial port 2 | PJ4 |
| Turbo LED | JP32 pins 3 & 4 | Floppy drive interface | PJ5 |
| Speaker | JP33 | 32-bit external memory card | SL1 |
| Power LED & keylock | JP34 | 32-bit external cache card | SL2 |
| External battery | JP36 | 32-bit MaxGraphics video card | SL3 |
| IDE interface LED | LED | | |

| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| Function | Jumper/Switch | Position |
| í  Floppy drive interface enabled | FDDEN | pins 2 & 3 closed |
| Floppy drive interface disabled | FDDEN | pins 1 & 2 closed |
| í  IDE interface enabled | IDEEN | pins 2 & 3 closed |
| IDE interface disabled | IDEEN | pins 1 & 2 closed |
| í  Factory configured - do not alter | JP3S | pins 2 & 3 closed |
| í  Factory configured - do not alter | JP3T | pins 2 & 3 closed |
| í  Factory configured - do not alter | JP3U | pins 2 & 3 closed |
| í  Factory configured - do not alter | JP4S | pins 1 & 2 closed |
| BIOS type select Award | JP6 | pins 1 & 2 closed |
| BIOS type select Phoenix | JP6 | pins 2 & 3 closed |
| í  Factory configured - do not alter | JP41 | unknown |
| í  Factory configured - do not alter | JP42 | pins 2 & 3 closed |
| í  Factory configured - do not alter | JP43 | unknown |
| í  External cache disabled | JP45 | pins 2 & 3 closed |
| External cache enabled | JP45 | pins 1 & 2 closed |
| í  Cacheable address from 768 to 895KB disabled | SW1/Switch 1 | open |
| Cacheable address from 768 to 895KB enabled | SW1/Switch 1 | closed |
| í  Cacheable address from 896 to 1024KB disabled | SW1/Switch 2 | open |
| Cacheable address from 896 to 1024KB enabled | SW1/Switch 2 | closed |
| í  Cacheable address from 0 to 640KB & 1 to 64MB enabled | SW1/Switch 3 | closed |
| Cacheable address from 0 to 640KB & 1 to 64MB disabled | SW1/Switch 3 | open |
| NPU error override enabled | SW1/Switch 4 | closed |
| NPU error override disabled | SW1/Switch 4 | open |
| Monitor type select color | SW1/Switch 5 | closed |
| Monitor type select monochrome | SW1/Switch 5 | open |
| í  Factory configured - do not alter | SW1/Switch 6 | unknown |
| í  Factory configured - do not alter | SW1/Switch 7 | unknown |
| í  Factory configured - do not alter | SW1/Switch 8 | unknown |
| í  Factory configured - do not alter | SW2 | pins 3 & 4 closed |

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# MEMORY CARD (64M32-BP)
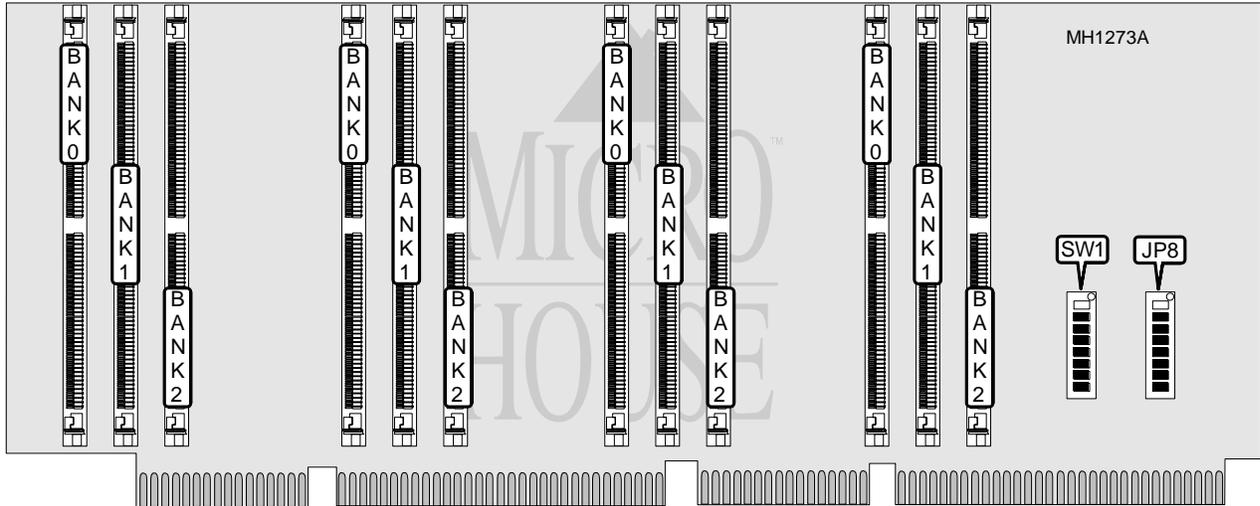
| DRAM SWITCH (SW1) CONFIGURATION | | | | | | | |
|---|---|---|---|---|---|---|---|
| Size | Switch 1 | Switch 2 | Switch 3 | Switch 4 | Switch 5 | Switch 6 | Switch 7 | Switch 8 |
| 4MB | closed | open | closed | open | open | N/A | N/A | open |
| 8MB | closed | open | closed | open | open | N/A | N/A | open |
| 8MB | open | closed | closed | open | open | N/A | N/A | open |
| 12MB | closed | open | closed | open | open | N/A | N/A | open |
| 12MB | open | closed | closed | open | open | N/A | N/A | open |
| 16MB | open | closed | closed | open | open | N/A | N/A | open |
| 16MB | open | closed | open | closed | open | N/A | N/A | open |
| 16MB | closed | open | closed | open | open | N/A | N/A | closed |
| 20MB | closed | open | closed | open | open | N/A | N/A | open |
| 24MB | open | closed | open | closed | open | N/A | N/A | open |

| DRAM SWITCH (JP8) CONFIGURATION | | | | | | | |
|---|---|---|---|---|---|---|---|
| Size | Switch 1 | Switch 2 | Switch 3 | Switch 4 | Switch 5 | Switch 6 | Switch 7 | Switch 8 |
| 4MB | closed | open | open | open | open | open | open | open |
| 8MB | closed | open | open | open | closed | open | open | open |
| 8MB | closed | closed | open | open | open | open | open | open |
| 12MB | closed | open | closed | open | closed | open | closed | open |
| 12MB | closed | closed | closed | open | open | open | open | open |
| 16MB | closed | closed | closed | closed | open | open | open | open |
| 16MB | closed | closed | closed | closed | open | open | open | open |
| 16MB | closed | open | open | open | open | open | open | open |
| 20MB | closed | closed | closed | closed | closed | open | open | open |
| 24MB | closed | closed | closed | closed | closed | open | closed | open |

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# PREFERRED 433GE (REV. B)

| DRAM CONFIGURATION | | | |
|---|---|---|---|
| Size | Bank 0 | Bank 1 | Bank 2 |
| 4MB | (4) 256K x 36 | NONE | NONE |
| 8MB | (4) 256K x 36 | (4) 256K x 36 | NONE |
| 8MB | (4) 512K x 36 | NONE | NONE |
| 12MB | (4) 256K x 36 | (4) 256K x 36 | (4) 256K x 36 |
| 12MB | (4) 512K x 36 | (4) 256K x 36 | NONE |
| 16MB | (4) 512K x 36 | (4) 256K x 36 | (4) 256K x 36 |
| 16MB | (4) 512K x 36 | (4) 512K x 36 | NONE |
| 16MB | (4) 1M x 36 | NONE | NONE |
| 20MB | (4) 512K x 36 | (4) 512K x 36 | (4) 256K x 36 |
| 24MB | (4) 512K x 36 | (4) 512K x 36 | (4) 512K x 36 |

| SERIAL PORT 1 (PJ3) CONFIGURATION | | | | | |
|---|---|---|---|---|---|
| COM | Interrupt | I/O Address | Jumper PJ6 | S0 | S1 |
| COM 2 | IRQ3 | 2F8h | pins 1 & 3 | pins 1 & 2 | pins 2 & 3 |
| COM 1 | IRQ4 | 3F8h | pins 1 & 2 | pins 2 & 3 | pins 2 & 3 |
| Disabled | N/A | N/A | N/A | pins 1 & 2 | pins 1 & 2 |
| Note:    Pins designated should be in the closed position. | | | | | |

| SERIAL PORT 2 (PJ4) CONFIGURATION | | | | | |
|---|---|---|---|---|---|
| COM | Interrupt | I/O Address | Jumper PJ6 | S2 | S3 |
| COM 1 | IRQ4 | 3F8h | pins 2 & 4 | pins 1 & 2 | pins 2 & 3 |
| COM 2 | IRQ3 | 2F8h | pins 3 & 4 | pins 2 & 3 | pins 2 & 3 |
| Disabled | N/A | N/A | N/A | pins 1 & 2 | pins 1 & 2 |
| Note:    Pins designated should be in the closed position. | | | | | |

| PARALLEL PORT 1 (PJ2) CONFIGURATION | | | | | |
|---|---|---|---|---|---|
| LPT | Interrupt | I/O Address | Jumper P0 | Jumper P1 | Jumper PRT |
| LPT 1 | IRQ7 | 3F8h | pins 1 & 2 | pins 2 & 3 | pins 2 & 3 |
| LPT 2 | IRQ5 | 2F8h | pins 2 & 3 | pins 2 & 3 | pins 1 & 2 |
| LPT 3 | IRQ7 | 3BCh | pins 2 & 3 | pins 1 & 2 | pins 2 & 3 |
| Disabled | N/A | N/A | pins 1 & 2 | pins 1 & 2 | N/A |
| Note:    Pins designated should be in the closed position. | | | | | |