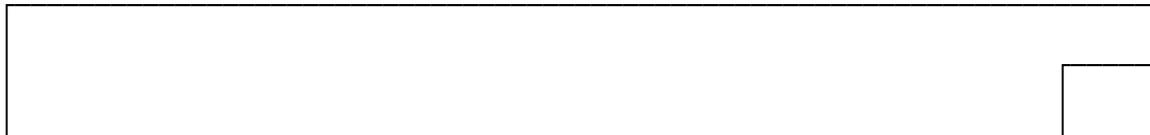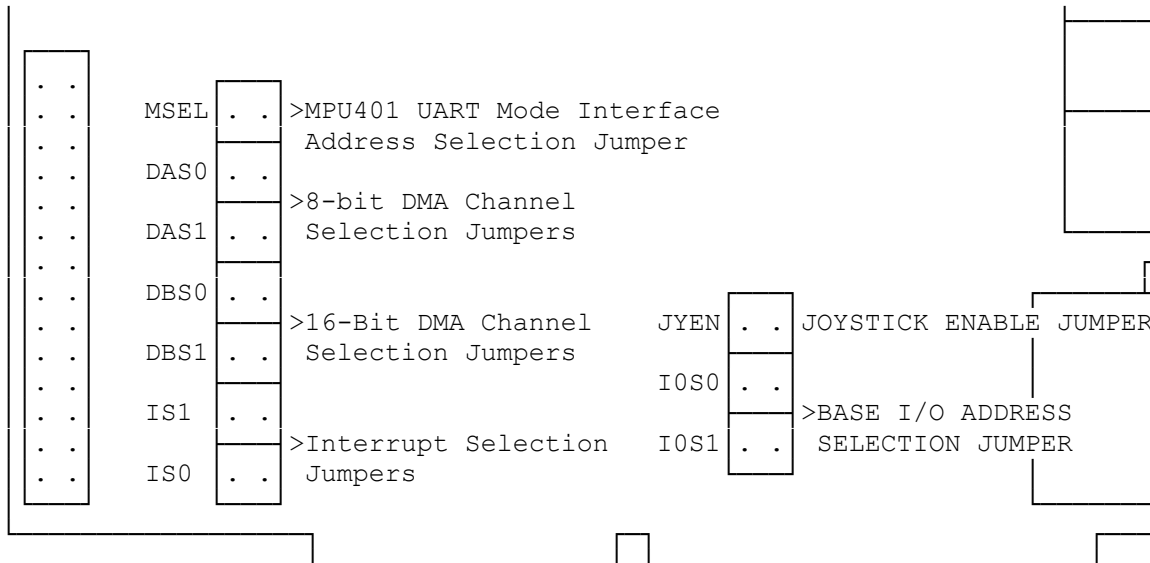The following table shows the settings for jumpers on the main logic
board.  A hyphen between pin numbers indicates that a jumper should be
installed to connect those two pins.  For example, "1-2" indicates that
the jumper should be installed on Pins 1 and 2.  An asterisk (*) indicates
the default (factory setting).

NOTE:  You might need to disassemble (or partially disassemble) the system
       to access the jumpers on the main logic board.  Refer to "System
       Disassembly" for instructions.

| FUNCTION | JUMPERS | SETTINGS | OPTIONS |
|---|---|---|---|
| Clock Speed | W1 | 1-2<br>Parked* | 25 MHz<br>33 MHz |
| Serial Port<br>Interrupt | W3 | 1-2*<br>2-3<br>Parked | COM1 or COM3 selected; IRQ4 enabled<br>COM3 selected; IRQ11 enabled<br>Serial port disabled; no interrupt<br>assigned. |
|  | W4 | 1-2*<br>2-3<br>Parked | COM2 or COM 4 selected; IRQ3 enabled<br>COM4 selected; IRQ10 enabled<br>Serial port disabled; no interrupt<br>assigned. |
| Parallel Port<br>Interrupt | W5 | 1-2*<br>2-3<br>Parked | IRQ7 enabled<br>IRQ5 enabled<br>No interrupt set for parallel port |
| Upgrade<br>Processor<br>Support<br>(These jumper<br>are optional<br>and are not<br>included on<br>all systems). | W6 | 1-2*<br><br>2-3 | i486 DX, i486 DX2, i487 SX and Over-<br>Drive processors supported.<br>i486 SX supported (in performance<br>upgrade socket). |
|  | W7 | 1-2<br><br>2-3* | i486 SX, i486 DX and i486 DX2<br>supported.<br>i487 SX and OverDrive processors<br>supported. |
| Enable<br>On-board<br>Video | W8 | 1-2<br>2-3* | Disable on-board video<br>Enabled on-board video |
| On-board<br>Video<br>Interrupt | W9 | 1-2<br>Parked* | Enabled on-board video interrupt<br>Disable on-board video interrupt |

The audio adapter jumpers are illustrated and described below:

```
 ___
| . . |
| . . |        MSEL | . . |>MPU401 UART Mode Interface
| . . |               Address Selection Jumper
| . . |        DAS0 | . . |
| . . |              >8-bit DMA Channel
| . . |        DAS1 | . . | Selection Jumpers
| . . |
| . . |        DBS0 | . . |
| . . |              >16-Bit DMA Channel    JYEN | . . |JOYSTICK ENABLE JUMPER
| . . |        DBS1 | . . | Selection Jumpers
| . . |                                    I0S0 | . . |
| . . |        IS1  | . . |                       >BASE I/O ADDRESS
| . . |              >Interrupt Selection   I0S1 | . . | SELECTION JUMPER
| . . |        IS0  | . . | Jumpers
```

The settings for the audio adapter jumpers are listed below.  An asterisk
(*) indicates the default (factory) settings.

Settings

Mode Interface Address Selection for MPU401 UART

| Jumper | Setting   | Base Address | Addresses Used  |
|--------|-----------|--------------|-----------------|
| MSEL   | Installed | 330H         | 330H to 331H*   |
| MSEL   | Parked    | 300H         | 300H to 301H    |

8-BIT DMA Channel Selection Jumpers

| Jumper | Setting   | Function               |
|--------|-----------|------------------------|
| DASO   | Parked    | DMA Channel selected*  |
| DASI   | Installed |                        |
| DASO   | Installed | DMA Channel 0 selected |
| DAS1   | Installed |                        |
| DASO   | Installed | DMA Channel 3 selected |
| DAS1   | Parked    |                        |

16-Bit DMA Channel Selection

| Jumper | Setting   | Function               |
|--------|-----------|------------------------|
| DBS0   | Installed | DMA Channel 5 selected* |
```

| | | |
|---|---|---|
| DBS1 | Installed | |
| DBS0 | Parked | DMA Channel 6 selected |
| DBS1 | Installed | |
| DBS0 | Installed | DMA Channel 7 selected |
| DBS1 | Parked | |

Interrupt Selection Jumper

| Jumper | Setting | Function |
|---|---|---|
| IS1 | Installed | IRQ2 selected |
| IS0 | Installed | |
| IS1 | Installed | IRQ5 selected* |
| IS0 | Parked | |
| IS1 | Parked | IRQ7 selected |
| IS0 | Installed | |
| IS1 | Parked | IRQ10 selected |
| IR0 | Parked | |

Base Input/Output Address Selection

| Jumper | Setting | Base Address | Addresses Used |
|---|---|---|---|
| IOS0 | Installed | 220H* | 220H to 233H* |
| IOS1 | Installed | | |
| IOS0 | Parked | 240H | 240H to 253H |
| IOS1 | Installed | | |
| IOS0 | Installed | 260H | 260H to 273H |
| IOS1 | Parked | | |
| IOS0 | Parked | 280H | 280H to 293H |
| IOS1 | Parked | | |

The Fax/modem adapter jumpers set the serial port configuration and set

the serial port interrupt request channel.  Changing the default jumper
settings is normally not required.  The jumper settings are included for
your reference.  In the following tables, ON indicates that a jumper is
installed on a pin pair.  OFF indicates that no jumper is installed on a
pin pair.  Default (factory) setting are indicated by an asterisk (*).

SERIAL PORT CONFIGURATION

```
        B    A

COM1   ON   ON
COM2   ON   OFF
COM3   OFF  ON
COM4   OFF  OFF
```

SERIAL PORT INTERRUPT

```
            C    D    E    F

IRQ3*      ON   OFF  OFF  OFF
IRQ4       OFF  ON   OFF  OFF
IRQ2       OFF  OFF  ON   OFF
IRQ5       OFF  OFF  OFF  ON
```

(smc-12/07/93)