The main logic board of your computer has a DIP switch with four switches.
On the Tandy 4820 SX/T, the default setting for switches 1 and 2 are OFF.
These switches are reserved for use when the processor is upgraded.

Switch 3 is used to indicate the type of video display adapter installed
(monochrome or color). The default setting is ON (color). Change the
setting to OFF only if you install a monochrome display adapter as the
primary video display adapter. Use a pen or other pointed object to set the
switch.

Switch 4 is reserved.

Switch settings are shown in the following tables:

Processor	SWITCH 1	SWITCH 2	SOCKET
486SX	OFF	OFF	U54
486DX	ON	OFF	U54
487SX	ON	ON	U54
*486 Overdrive	ON	ON	U54
486DX2/ODPR	ON	OFF	U54
487SX	OFF	OFF	U55
*486 Overdrive	OFF	OFF	U55

  * Note: Installing an Overdrive 25/50 Processor will only increase
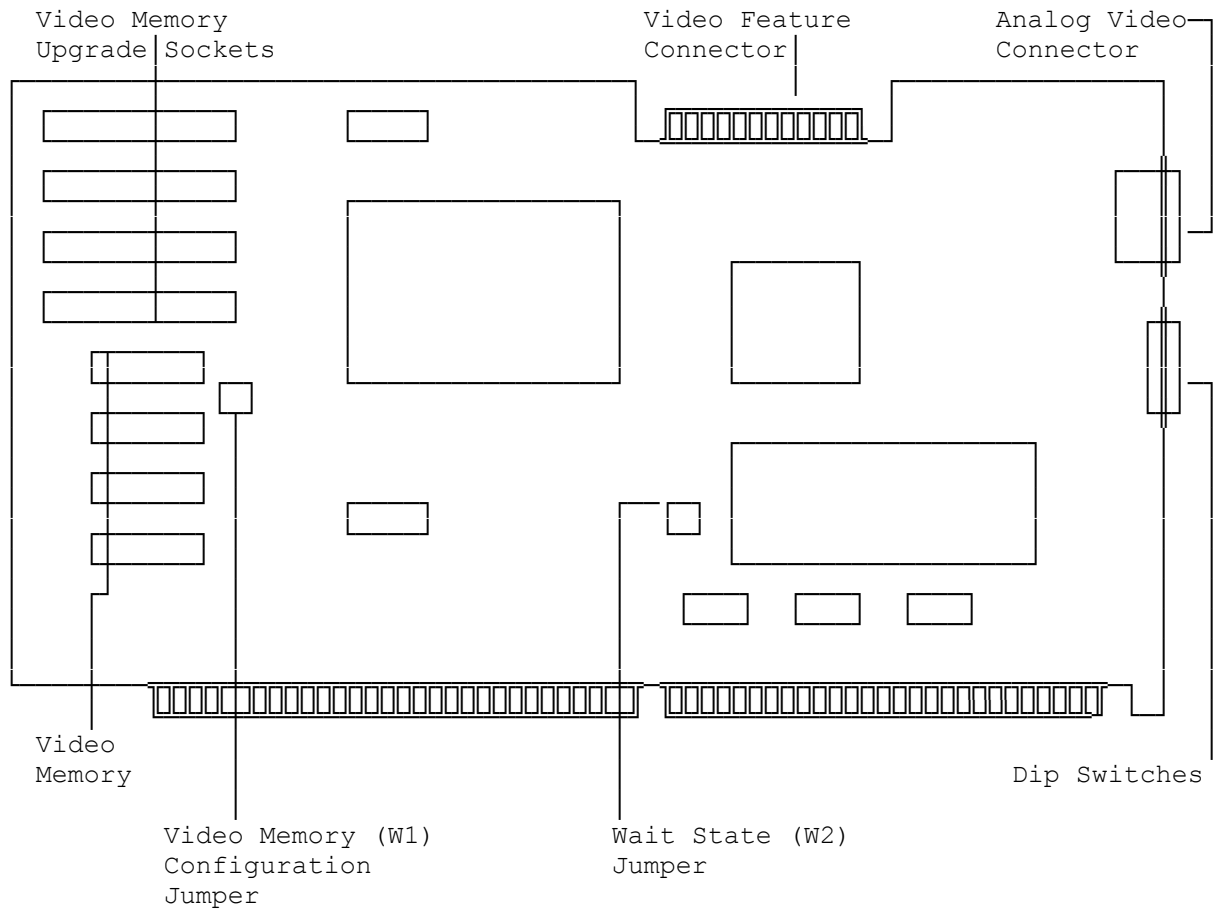   the CPU speed to 40MHz, not 50MHz.

    TCH 3 (Primary Video Display Adapter Type)

SWITCH 3	DISPLAY ADAPTER TYPE
ON	color*
OFF	monochrome
* Indicates default setting.	

JUMPERS AND DIP SWITCHES

This section explains how to change the operation of the VGA 1024 NI
Adapter by re-installing the jumpers and changing the settings of the DIP
switches.

The following illustration shows the location of the jumper blocks and the
DIP Switches.

Video Memory Upgrade Sockets

Video Feature Connector

Analog Video Connector

Video Memory

Video Memory (W1) Configuration Jumper

Wait State (W2) Jumper

Dip Switches

JUMPER SETTINGS

A jumper is a cover that contains metal contacts. A jumper is installed when placed over two jumper pins on a circuit board to connect or bypass a circuit. A jumper can also be parked or removed.

Jumper W1 is the Video Memory Configuration jumper. It is installed at the factory to indicate that the adapter has 512KB of video memory. Remove the jumper if you upgrade the adapter to 1MB of video memory.

Jumper W2 is the Wait State jumper. It is installed at the factory to generate zero wait states and achieve maximum performance. Normally, you do not need to change this setting.

NOTE: If you experience screen data loss, you might need to remove Jumper W2. Some computers do not support zero wait states.

Jumper settings and their functions are listed in the following table.

JUMPER	SETTING	FUNCTION
W1	Installed*	512KB of video memory installed.
	Not Installed	1024KB of video memory installed.

```
   W2        Installed*       Generate zero wait state for high performance.
             Not Installed    Do not generate zero wait state.
```

   * Indicates factory setting.

DIP SWITCH SETTINGS

Five DIP switches are located below the video connector on the adapter,
where they are easily accessible from the rear of the computer when the
adapter is installed.

A switch is off when in the left position, on when in the right position.

CAUTION: Incorrect settings can cause a computer malfunction or a decrease
         in performance.

Some switches are sensed only when you turn on the computer, so always turn
off the computer before changing switch settings. To change a switch
setting, use a pencil or other pointed instrument to push the switch to the
left or right. The switch will snap into position.

DIP switch settings and their functions are listed in the following tables.

SWITCHES 1 AND 2 (MAXIMUM RESOLUTION 800 X 600)

SWITCH 1   SWITCH 2   MAXIMUM MONITOR FREQUENCY

 OFF*   OFF*   56 Hz
  ON   OFF   72 Hz
 OFF   ON   60 Hz
  ON   ON   56 Hz (Same as OFF,OFF)

* Indicates factory setting

SWITCHES 3 AND 4 (MAXIMUM RESOLUTION 1024 X 768)

SWITCH 3   SWITCH 4   MAXIMUM MONITOR FREQUENCY

 OFF*   OFF*   Interlaced
  ON   OFF   70 Hz
 OFF   ON   60 Hz
  ON   ON   Interlaced (same as OFF,OFF)

* Indicates factory setting

SWITCH 5 (TIMING FOR STANDARD MODES, 0 TO 13)

OFF*   31.5 KHz horizontal scan rate
 ON   40 KHz horizontal scan rate

* Indicates factory setting

SERIAL PORT PROGRAMMING

COM A (Serial Port A)

Port Select   Port Address   Interrupts

```
   COM1          3F8-3FF          IRQ4
   COM3          3E8-3EF          IRQ4 or IRQ11


COM B (Serial Port B)

Port Select    Port Address    Interrupts

   COM2          2F8-2FF          IRQ3
   COM4          2E8-2EF          IRQ3 or IRQ10


(jjs-11/04/94)
```