

Appendix B Switch & Jumper Settings

You may find it necessary to change the factory switch and jumper settings of your T100-series SCSI Host Adapter (the T228 does not have switches or jumpers). These switches and jumpers set the card address, ROM address, DMA channel, interrupt channel, parity enable/disable and other functions. See Figures 14, 15, and 16 for illustrations of the card configurations for the T100, T128 and T128F adapter cards.

Note, however, that you should only change settings on the card if you absolutely understand what you are doing. The following information is not intended for, and is not written for, novice users. In some cases, changing settings on the card also necessitates changing settings in the software using the INSTALL program.

In the following instructions, switch blocks and jumper blocks are mentioned; these are indicated on the appropriate Figures.

Settings for the T100 Card (see Figure 14)

Card Address:

The T100 will work at one of four port addresses. Switches 1 and 2 select this address.

Port (card address)	SW1	SW2
320h	ON	ON
324h	ON	OFF
328h	OFF	ON
32ch	OFF	OFF

Note: The T100 occupies four consecutive addresses. For example, if card address 328h is chosen, the card will use 328h, 329h, 32ah, and 32bh.

Parity Enable/Disable:

If the parity option has been installed on your T100 (parity is installed if IC locations U1, U2, and U10 are occupied) you may choose to enable or disable parity checking.

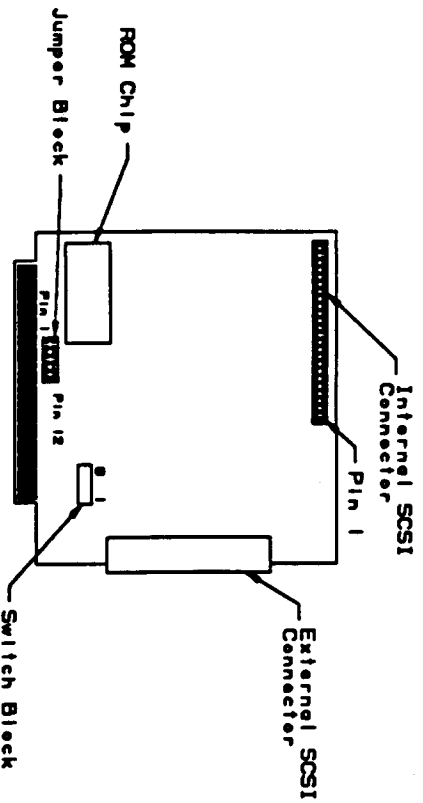


Figure 14 T100 Switch and Jumper Locations

When the parity option is installed, the T100 will always generate parity when sending information from the computer to the peripheral. However, as some older peripherals don't themselves generate parity for information they send to the computer, it is sometimes necessary to disable parity checking. Switch 3 controls parity checking.

<u>Parity checking</u>	<u>SW3</u>
Enable checking	ON
Disable checking	OFF

ROM Address:
The T100 uses an 8k by 8 ROM. The ROM may be placed at addresses e8000h, ca000h, cc000h, and ce000h according to the settings on Switches 4 and 5.

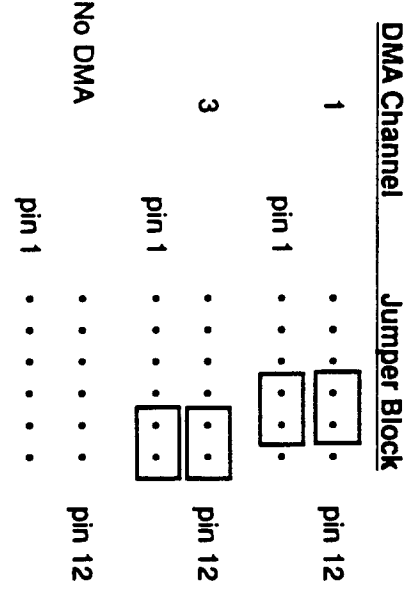
<u>ROM Address</u>	<u>SW4</u>	<u>SW5</u>
e8000h	ON	ON
ca000h	OFF	ON
cc000h	ON	OFF
ce000h	OFF	OFF

Additionally, the ROM may be enabled or disabled, without regard to the settings on Switches 4 and 5, by appropriately setting Switch 6.

<u>ROM Enable/Disable</u>	<u>SW6</u>
ROM enable	ON
ROM disable	OFF

DMA Channel:

The T100 supports DMA channels 1 and 3. Channel 1 is the factory default. The DMA channel is set according to the position of jumpers on the jumper block (see next page). Note: if you select DMA channel 3 or no DMA, you must set up TSCSI.SYS and run TFORMAT with a "/Cn" command-line switch; see Sections 4.1.2 and 5.1 for details.



Interrupt Channel

The T100 supports Interrupt channels 3, 5, 6, and 7. One of these may be selected by an appropriate jumper setting on the jumper block.

Note that Trantor's MS-DOS software does not make use of interrupts at this time. Therefore, no jumper is installed to select an interrupt channel on cards shipped from the factory.

