The J1 connector of the TK50 subsystem responds to a drive select signal (DRV SEL 3) on the drive interface cable coming from the host system. Refer to Appendix A for a list of the J1 connector pin numbers and signal names, and for a list of pins and voltages on the 12-pin power output connector.

LOGICAL UNIT NUMBERS

The M7547 controller module supports a single TK50 tape drive. Jumpers on the controller module select the starting address for the module, while the unit number DIP switch selects the unit number for the TK50 tape drive connected to that module. The system software displays the first unit number as MU0.

Since you cannot install more than one module in the backplane with the same starting address, the address jumpers and unit number DIP switch must be changed on a second or third module. The unit number for a second tape drive is MU1, for a third tape drive it is MU2, and so on.

CONFIGURATION

Configuring a TK50-R or TK50-D subsystem into a particular system requires auxiliary equipment. Before installing a TK50 subsystem and TUK50 controller module, you must consider the following factors.

- Module physical priority
- Backplane and I/O distribution panel expansion space
- Power requirement
- Interrupt vectors and module starting addresses

Refer to your system's technical manual for more information.

POWER REQUIREMENTS

Stay aware of the total current and power used to be sure you do not overload the system. Also, take note of the number of ac and dc bus loads for each UNIBUS module.

The current used by the M7547 controller is:

3.0 A at +5 V.

The current used by the TK50-R/TK50-D is:

1.5 A at +5 V
2.5 A at +12 V
120 V 2A RMS (max), 240 V 1A RMS (max)

The power dissipation of the TUK50 (M7547) is 17 watts maximum.

The bus loads for the TUK50 (M7547) are 2 ac and 1 dc.