

Dell™ Systems

Installing the SCSI Backplane Daughter Card



Notes, Notices, and Cautions



NOTE: A NOTE indicates important information that helps you make better use of your computer.



NOTICE: A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.



CAUTION: A CAUTION indicates a potential for property damage, personal injury, or death.

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This document explains how to configure the split SCSI backplane by installing a backplane daughter card into your system. In a split backplane configuration, the five hard-drive bays are arranged in one group of two drives and another group of three drives. This configuration is referred to as a 2/3 split backplane configuration.



CAUTION: Before you perform this procedure, read the safety instructions in your *System Information* document.



NOTICE: See "Protecting Against Electrostatic Discharge" in the safety instructions in your *System Information* document.

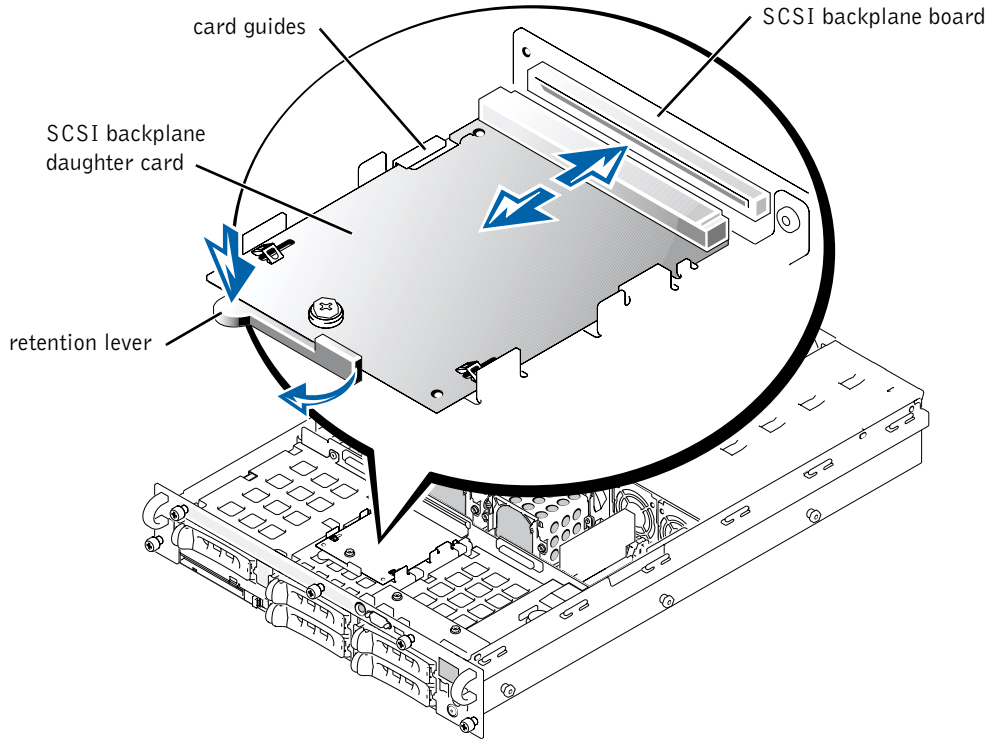


NOTICE: To avoid possible data loss, back up all data on the hard drives before installing the backplane daughter card and changing the RAID configuration.

- 1 Unpack the SCSI backplane board daughter card kit.
- 2 Turn off the system, including any attached peripherals, and disconnect the system from the electrical outlet.
- 3 Remove the cover (see "Removing the Cover" in your *Installation and Troubleshooting Guide*).

The daughter card fits between the sides of the card guide above the drive bay.

- 4 To install the daughter card in the card guide, performing the following steps (see Figure 1-1):
 - a Hold the daughter card by its edges with the component side facing up and the card connector facing the SCSI backplane board.
 - b Ensure that the retention lever is in the open position.
 - c Position the card in the drive bay so that the notches on the left and right edges of the card are aligned with the tabs on the card guide above the drive bay.
 - d Lower the card into the card guide.
 - e Close the retention lever to slide the daughter card into the SCSI backplane connector and lock the card into place.

Figure 1-1. Installing the SCSI Backplane Daughter Card

5 Reconfigure the SCSI cable connections to the SCSI backplane as necessary to operate the backplane as a 2/3 split backplane:

- If a RAID controller card is not installed, cables are not required to use either the integrated SCSI controller or optional integrated RAID controller in either a 1 x 5 or 2/3 split configuration.
- If a RAID controller card is installed, you can connect cables from the controller card to SCSI A and/or SCSI B backplane board connector(s). A backplane board connector that is not attached to the RAID controller card uses the integrated SCSI controller or optional integrated RAID controller.
- If a cable is connected to the SCSI B backplane board connector, the SCSI backplane daughter card must be installed in the system to activate the 2/3 split configuration. Otherwise, the system displays an error message.

See "Jumpers and Connectors" in your *Installation and Troubleshooting Guide* to locate the connectors on the SCSI backplane board.

- 6** Replace the cover (see "Replacing the Cover" in your *Installation and Troubleshooting Guide*).
- 7** Reconnect your system and peripherals to their electrical outlets, and turn on the system.