

Handling Cards and Assemblies

This chapter gives instructions on how to safely handle the CompactPCI cards and assemblies. This chapter is divided into the following sections:

- “Handling CompactPCI Cards” on page 3-1
- “Handling Assemblies” on page 3-2

Consult the *Netra ct Server Safety and Compliance Manual* for safety information prior to performing the procedures in this chapter.

3.1 Handling CompactPCI Cards

Each Netra ct server in a chassis has a CompactPCI bus. All of the cards in a server—the CPU card, alarm card, and I/O cards—are CompactPCI cards.



Caution – The system is sensitive to static electricity. To prevent damage to the assembly, always connect an antistatic wrist strap between you and the system.



Caution – Do not flex the CompactPCI cards; the surface-mounted components can break if the card is bent.

To minimize the amount of card flexing, observe the following precautions:

- When removing a card from an electrostatic discharge bag, keep it vertical until you lay the card on the electrostatic discharge mat.
- Do not place a card on a hard surface. Use a cushioned antistatic mat. The card connectors and components have very thin pins that bend easily.
- Be careful of small parts located on the component side of a card.
- Do not use an oscilloscope probe on the components. The soldered pins are easily damaged or shorted by the probe point.
- Transport a card in an antistatic bag.



Caution – The heat sinks on a card can be damaged by incorrect handling. Do not touch the heat sinks while installing or removing a card. Hold a card only by the edges. If a heat sink is loose or broken, obtain a replacement card.



Caution – The heat sinks on a card can be damaged by improper packaging. When storing or shipping a card, ensure that the heat sinks have sufficient protection.



Caution – The system controller card and its modules have surface-mount components that can be broken by flexing the card.

3.2 Handling Assemblies

Assemblies have their own set of handling requirements, similar to the requirements for CompactPCI cards.



Caution – The system is sensitive to static electricity. To prevent damage to the board, always connect an antistatic wrist strap between you and the system.
