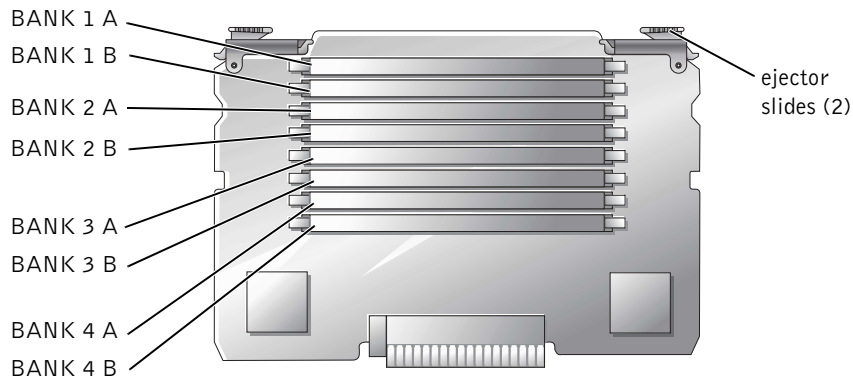# Memory Installation Guidelines

Memory module sockets are arranged in pairs, labeled A and B, on each memory riser card. Each pair of sockets on each memory riser card forms a single memory bank. See Figure 1 to identify the sockets on a memory riser card.

When you install memory modules, follow these guidelines:

- Each bank must contain identical modules. You must install memory modules in matched sets of four, two in each memory riser card (see Figure 1).

- Install identical memory modules in sockets A and B for bank 1 before installing modules in sockets for bank 2, and so on.

- Populate the memory banks in decreasing capacities, meaning that memory modules of the largest capacity are in bank 1 and the memory modules with the smallest capacity are in bank 4.

- Memory banks must be populated sequentially, which means that there can be no empty banks between the first and last populated banks.

**Figure 1.  2-GB Memory Riser Board**



BANK 1 A
BANK 1 B
BANK 2 A
BANK 2 B
BANK 3 A
BANK 3 B
BANK 4 A
BANK 4 B

ejector slides (2)

05Y120A00

# Installing a 2-GB Memory Riser Card

To use 2-GB memory modules in your system, you must replace your system's current memory riser card with the new riser card provided in your 2-GB memory module upgrade kit. If your system contains a memory riser card that supports 2-GB memory modules, you do not have to replace the riser card. The new memory riser card also supports memory module capacities that are less than 2 GB.

1   Remove the memory riser card. See your *Installation and Troubleshooting Guide*.

2   Install the memory modules on the 2-GB memory riser card provided in your upgrade kit. See "Memory Installation Guidelines" and your *Installation and Troubleshooting Guide*.

    See Figure 1 for the 2-GB memory riser card provided in your upgrade kit and the location of the memory banks.

3   Position the memory riser card so that the card-edge connector is aligned with the riser card connector on the microprocessor board.

4   Lower the card into the chassis until the ejector slides snap into place in the memory riser card guides.

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