

# READ ME FIRST

**Caution:** This modified PCA router board includes two small PCB additions and exposed wires that **damage easily** with contact. To avoid damage, handle the router board with extreme care and avoid contact with the electrical modifications. Touch only the heatsink and the board edges. Do not jar the router board.

This router board (P/N 030-1924-00\*) is for use only in Altix 3000 R-bricks (P/N 013-3876-00\*). Figure 1 shows the modified router board, and Figure 2 shows detail of one of the added PCBs. The next page provides an overview of the installation procedure.

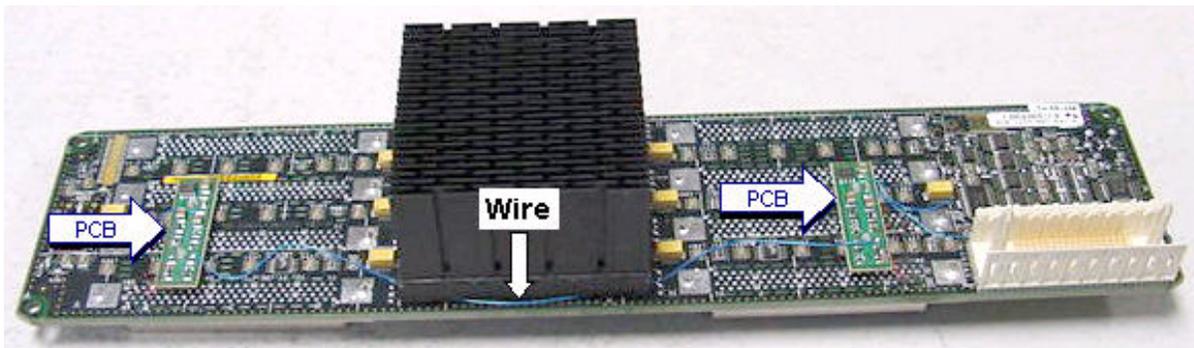


Figure 1 Router Board

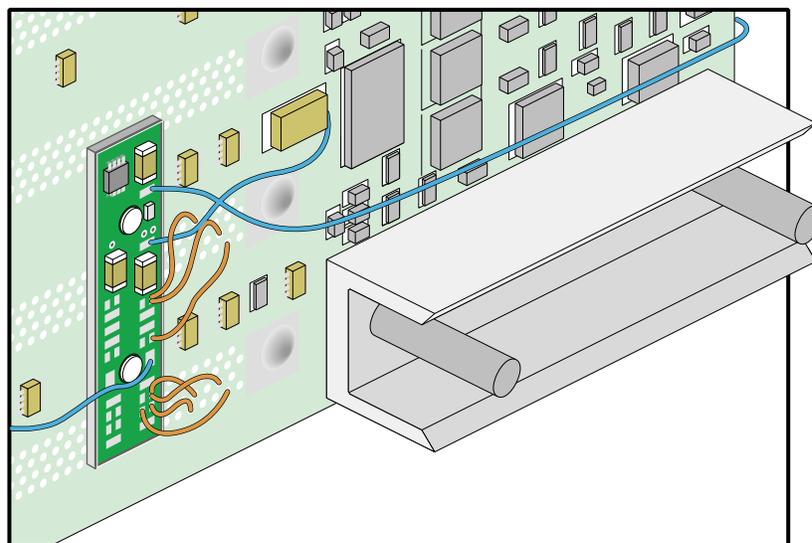


Figure 2 Detail -- Additional PCB and Wires

## Router Board Installation

For the complete router board replacement procedure, refer to *SGI Origin 3000 Hardware Replacement Procedures*, 108-0249-001—available online at <http://servinfo.corp.sgi.com/sgi3000/108-0249-001/>.

**Caution:** To prevent component damage, observe all ESD precautions when you complete these steps.

1. Gently remove the router board from the packaging. Place one hand on the router-board heatsink and the other on the edges of the router board.
2. Carefully position the router board in the brick and slide it toward the brick rear until the 8 DNET connectors pass through the cutouts. Refer to Figure 3.

**Caution:** To prevent router-board damage, handle the router board with extreme care and avoid contact with the board's electrical modifications.

3. Install the 16 guide pins that secure the DNET connectors to the brick rear.
4. Insert the baffle extension in the air-deflector slots; then, secure it with a T20 Torx screw.
5. Connect the power board to the router board, secure the power board to the enclosure with 4 T20 screws, connect the three wire harnesses to the power board, and install the power-board VRM.
6. Install the brick's top cover and secure it with 4 T20 Torx screws.
7. Install the brick in the rack and test it.

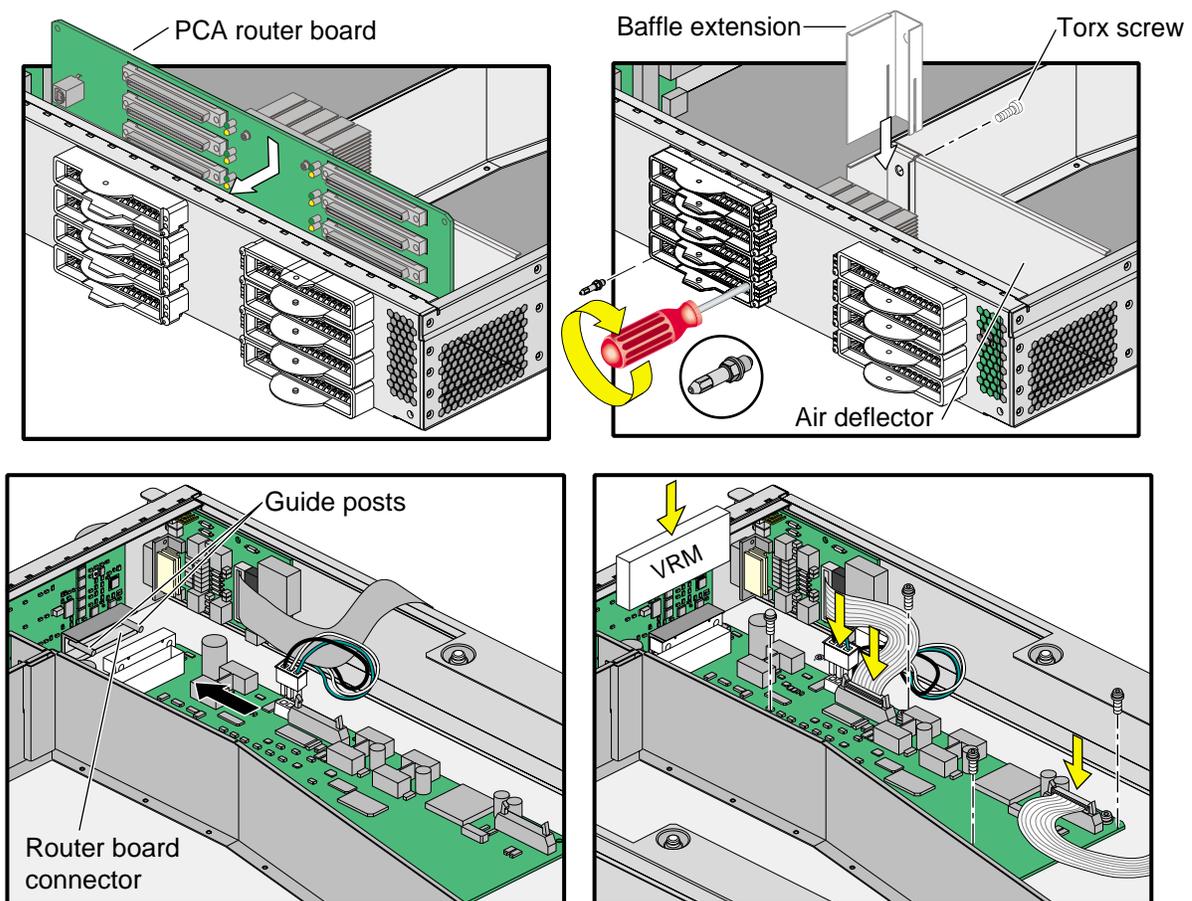


Figure 3 Installing the Router Board and Power Board