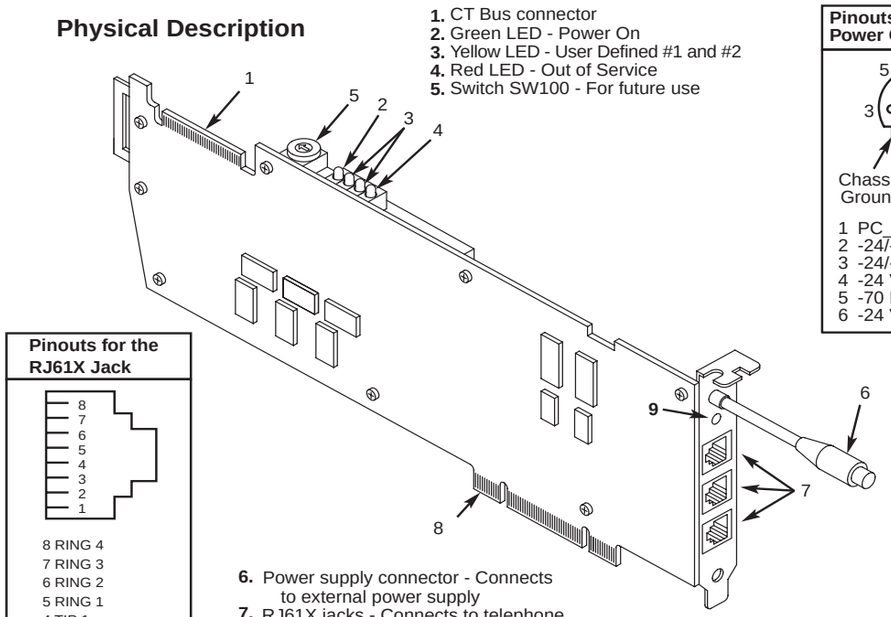
Dialogic® DI0408LSAR2 Switching Board

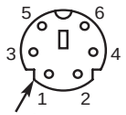
Quick Install Card for Universal PCI

Part number 64-0039-02

Physical Description



Pinouts for the Power Connector



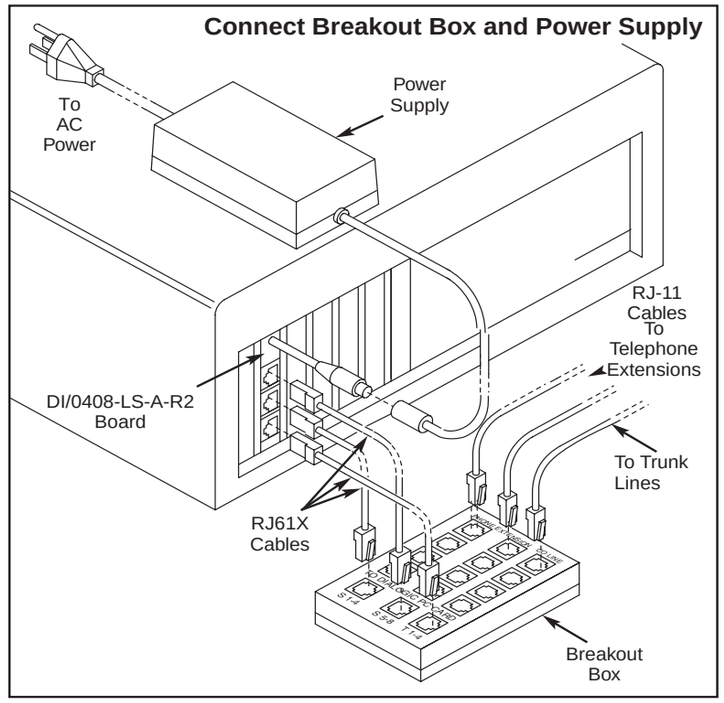
Chassis Ground

1 PC_SENSE
2 -24/-70 Return
3 -24/-70 Return
4 -24 Volts
5 -70 Return
6 -24 Volts

Pinouts for the RJ61X Jack

8 RING 4
7 RING 3
6 RING 2
5 RING 1
4 TIP 1
3 TIP 2
2 TIP 3
1 TIP 4

Connect Breakout Box and Power Supply



NOTE: The figure shows a North American-compliant power supply cord for connecting to AC power. Use the appropriate power supply cord for your location.

Before You Begin

Protecting the Board from Damage

Caution! All computer boards are sensitive to electrostatic discharge (“ESD”). Handle all static-sensitive boards and components at a static-safe work area, and observe anti-static precautions at all times.

If you are not familiar with ESD safety precautions, visit http://www.dialogic.com/support/hwinstall to learn more.

Unpacking the Board

Unpack the Dialogic® DI0408LSAR2 Switching Board (“board”) according to the following steps:

1. Prepare a static-safeguarded work area.
2. Carefully remove the board from the shipping carton and anti-static packaging. Handle the board by the edges and avoid touching the board’s components.
3. Lay the board on the static-dissipative work surface.

Note: Place boards in static-shielding bags when carrying boards from station to station.
CAUTION: Do not remove the board from the anti-static packaging until you are ready to install it. Observe proper anti-static precautions at all times.

Hardware Configuration

The device driver, part of the system software, assigns board identification (ID) numbers in ascending order (beginning with 0) as it detects each board in the system. The board identification number is used by the system software to recognize the board. **NOTE:** If you add a board to the system, the existing board ID numbers may change, depending upon the PCI bus and slot number where the new board is installed.

Windows System

After the hardware and the system software are installed, refer to the Dialogic® Configuration Manager (DCM) utility to retrieve the board instance (ID) number(s) assigned to the board(s) in your system and see online help for more details.

Install the Hardware

With the computer on the static-safe work area and your static-dissipative wrist strap connected to you and the work area, ensure that the power is OFF and disconnect all power cords from the electrical outlets.

1. Remove the cover, select an empty PCI bus slot and remove the slot’s retaining screw and access coverplate.
2. Install the board into the chassis. Press firmly until the board is securely seated in the slot.
3. Replace and tighten the retaining screw to secure the board.
4. Replace the computer cover and reconnect the power cords.

Set CT Bus Jumpers (optional)

The Computer Telephony bus (CT Bus) provides communication and flexible resource sharing among the boards connected to the bus. This board has a CT Bus connector that complies with the ECTF H.100 specification, and as such can be connected to the CT Bus with a CT Bus cable.

You can connect the board to the CT Bus or use it without the CT Bus in stand-alone mode.

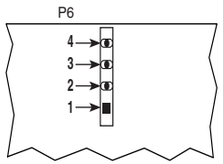
- **Stand-Alone Mode (CT Bus Jumpers Ignored):** For applications that do not require media sharing or switching across the CT Bus, use the board in stand-alone mode. No CT Bus cable is required.
  In addition, you may skip the instructions in this section when you use the board in SCbus mode without a CT Bus master board; that is, using only SCbus master/slave boards.
- **CT Bus Mode (CT Bus Jumpers Needed):** To connect the boards to the CT Bus, set the

CT Bus jumpers according to instructions in this section.

Note: If these boards are operating in SCbus mode, CT Bus (H.100) termination is not required.

The following instructions only apply to the boards at each end of the CT Bus cable. Only boards at each end of the CT Bus cable must be terminated.

P6 provides the jumpers location for the termination. P6 pins 1 and 2 are used to terminate the CT Bus, ensuring that proper electrical characteristics exist on the CT Bus. By factory default, this jumper is not terminated on the board.



To use the CT Bus: Install the jumper on P6 pins 1 and 2 to terminate the CT Bus at that board.

- Only terminate the first and last boards (**the boards located at each end**) on the CT Bus cable.
- **Do not** install a shunt across the pins of P6 pins 1 and 2 on boards located between the end boards on the CT Bus cable (the shunt must be disconnected on the P6 pins 1 and 2 jumper to disable termination).

The P6 pins 1 and 2 jumper terminates the H.100 signals listed in the following table.

Shunt	H.100 signal terminated
P6, pins 1 and 2 (used on boards at each end of CT Bus cable only)	CT_FRAME_(A&B) CT_C8_(A&B)

P6 pins 3 and 4 terminate the MVIP bus signal when the corresponding jumper clip is installed. The signal must be terminated only on boards at each end of the CT Bus cable.

When pins 1 and 2 are used, use pins 3 and 4 as well.

Connect to External Power Supply

The Power Module generates -24 volts to power the station interface loop and -70 volts for ringing. One Power Module is required per DI0408LSAR2 board when station modules are used. The Power Module connects to a pre-wired power cable attached to the DI0408LSAR2 board. See the *Connect Breakout Box and Power Supply* figure on side 1.

NOTE: The figure shows a North American-compliant power supply cord for connecting to AC power. Use the appropriate power supply cord for your location.

Connect to the Breakout Box

1. Open the back of the breakout box and remove the adhesive pads from the housing. See the *Connect Breakout Box and Power Supply* figure on side 1.
2. Mount the back of the breakout box to the desired location in one of two ways:

- Apply double-sided tape to the side of the rear panel that touches the mounting surface and press the tape against the mounting surface.
- Hold the rear panel against the mounting surface. Insert screws through the screw holes and fasten the panel to the surface.

3. Insert the front panel into the back panel.
4. Connect the breakout box to the DI0408LSAR2 board. Refer to the *Connect Breakout Box and Power Supply* figure on side 1.

After Installing the Hardware

Install the software as described in the installation instructions included with the system software.

For technical specifications and product information go to: http://www.dialogic.com/products.htm.

Warranty and Return Information

Warranty Period

For specific warranty information for this board, refer to the Warranty section of the Products page, located at this URL: http://www.dialogic.com/warranties/.

Contacting Technical Support

Dialogic provides technical support for its products through a network of value added distributors who are trained to answer technical questions on installing and configuring Dialogic® products. If you are unsure how to contact your support channel, please call Dialogic in the United States at 973-967-6600 (9am-5pm EST) and we will assist in obtaining the appropriate support channel. Outside the United States please refer to http://www.dialogic.com/support/contact to obtain local contact information.

Dialogic also provides direct support via Dialogic® Pro™ Services agreements. For more details of direct support from Dialogic please refer to: http://www.dialogic.com/support/DialogicPro.

Returning a Product

To return a board for warranty repair or any other returns, please refer to the following: http://www.dialogic.com/support/hwfaults. To return a board for warranty repair, please refer to the following: h*ttp://www.dialogic.com/support/hwfaults*. For all other returns, contact your vendor or Dialogic Customer Support (for more information, see *http://www.dialogic.com/support/contact/*).

Sales Assistance

Sales Assistance

If you have a sales question, please contact your local Sales Representative or the Regional Sales Office for your area. Address, telephone and fax numbers, are available at the Dialogic website located at: http://www.dialogic.com/contact.htm.

To purchase Dialogic® products, please refer to the following website to locate the appropriate supplier. http://www.dialogic.com/purchase.htm.