# INSTALLING YOUR BNC-2810 SDA CONNECTOR BLOCK

This installation guide describes how to connect a BNC-2810 to your PCI/PXI-6810 serial data analyzer (SDA) and shows the BNC-2810 channel and signal connections.

## Introduction

The BNC-2810 is a connector block designed for use with a PCI/PXI-6810 serial data analyzer. You can use the BNC-2810 on a desktop or optionally mount it on a Deutsche Industrie Norme (DIN) rail that conforms to the Comité Européen de Normalisation Electrotechnique (CENELEC) 35 mm standard. The BNC-2810 provides easy access to the following channels and signals:

- RS-232 channels 0 and 1
- RS-485 channels 0 and 1
- Programmable channels 0, 1, and clock
- Input and output triggers
- Digital input/output (I/O) lines 0 through 7
- Output enable signals 0 and 1
- External power supply

Refer to *Getting Started with Your PCI/PXI-6810 Serial Data Analyzer* for more detailed information regarding these channels and signals.

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# What You Need to Get Started

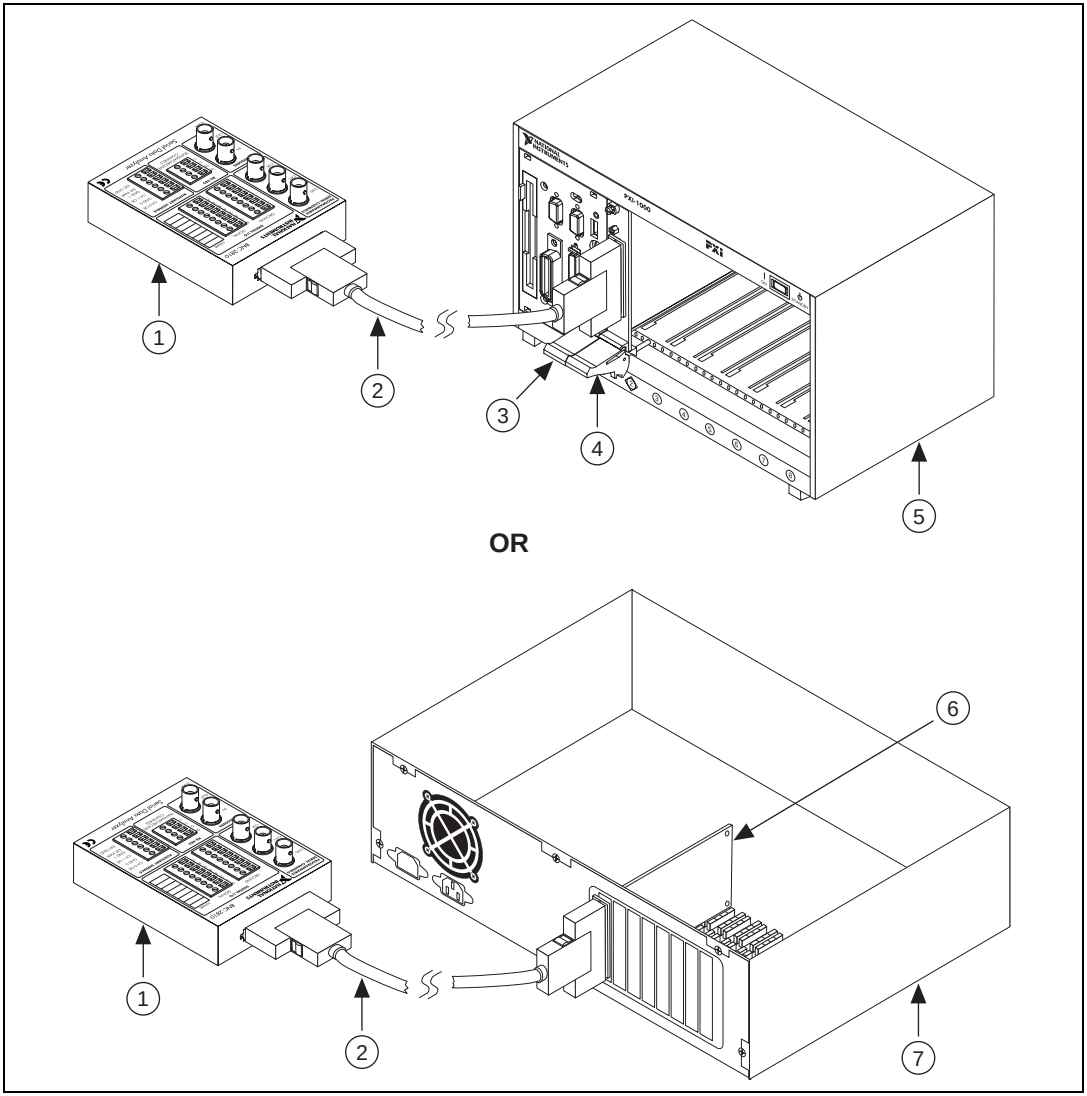
You need the following to set up and use your BNC-2810:

- ❑ *Installing Your BNC-2810 SDA Connector Block* installation guide
- ❑ Your computer or PXI chassis
- ❑ One of the following devices:
  - PCI-6810 serial data analyzer
  - PXI-6810 serial data analyzer
- ❑ BNC-2810 SDA connector block
- ❑ SH6868-D1 shielded cable
- ❑ DIN rail mounting hardware (optional)

# Typical Connection

Figure 1 shows a typical connection of the BNC-2810 connector block to a PCI/PXI-6810 serial data analyzer. Use the following steps to install your BNC-2810:

1. Insert one end of the SH6868-D1 shielded cable into the 68-pin connector on your BNC-2810 connector block.
2. Insert the other end of the SH6868-D1 shielded cable into the 68-pin connector on your PCI/PXI-6810 serial data analyzer.




| | | | | | |
|---|---|---|---|---|---|
| 1 | BNC-2810 SDA Connector Block | 4 | PXI-6810 Serial Data Analyzer | 6 | PCI-6810 Serial Data Analyzer |
| 2 | SH6868-D1 Shielded Cable | 5 | PXI Chassis | 7 | Personal Computer |
| 3 | PXI Controller | | | | |

**Figure 1.** Typical BNC-2810 to PCI/PXI-6810 Connection

You can now connect to the channels and signals of your PCI/PXI-6810 serial data analyzer.

# Signal Connections

Figure 2 shows the BNC-2810 channel and signal connections.

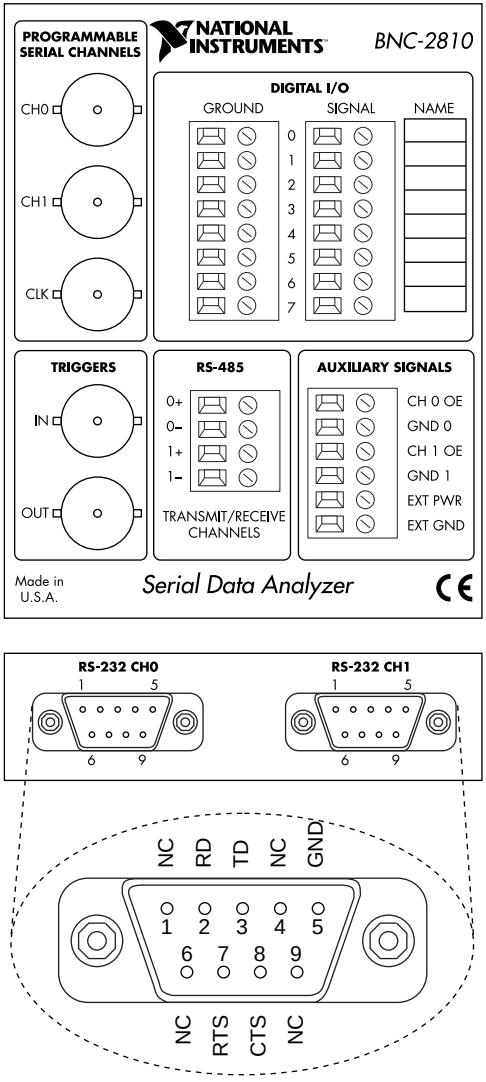



**Figure 2.** BNC-2810 Signal Connections

Refer to your *Getting Started with the PCI/PXI-6810 Serial Data Analyzer* for signal connections to the 68-pin connector.

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