



SCXI-1343 Rear Screw Terminal Adapter Installation Guide

Part Number 320626-01

This guide describes how to connect wires to and install the SCXI-1343 rear screw terminal adapter in your SCXI system. In addition to the SCXI-1343 kit contents, you will need an SCXI chassis, an SCXI module, and a small flathead screwdriver.

Introduction

With the SCXI-1343 rear screw terminal adapter, you can connect custom cabling to SCXI modules that have a rear signal connector for 50-pin ribbon cables.

The SCXI-1343 consists of an adapter with a female right-angle module connector, screw terminals, and solder pads. Screw terminals allow easy signal connections to pins 2 through 19 of the connector. You can access pins 1 and 20 through 50 via the solder pads. Both the screw terminals and the solder pads are labeled with their pin numbers. The SCXI-1343 also has a strain relief for securing your wires.

What Your Kit Should Contain

The contents of the SCXI-1343 cable assembly kit (part number 776574-43) are as follows:

Kit Component	Part Number
Two small screws	742413-01
Adapter board	181780-01
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If your kit is missing any of the components, contact National Instruments.

Installation

Figure 1 illustrates the components of your SCXI system.

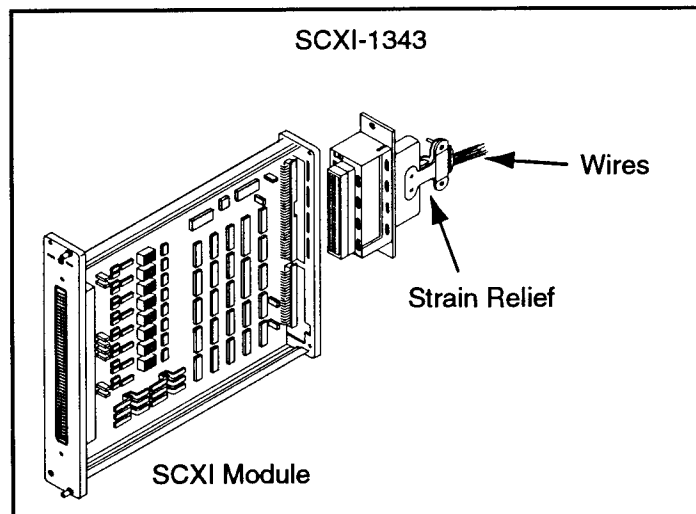


Figure 1. Installing the SCXI-1343

Perform the following steps to install the SCXI-1343 and your custom wiring:

1. Insert each wire through the adapter strain relief.
2. Make all solder connections to pins 1 and 20 to 50 before connecting other wires to the screw terminals.
3. Connect the other wires to the screw terminals at pins 2 to 19.
4. Tighten the strain-relief screws to secure the wires.
5. Plug the adapter board front connector to the module rear signal connector. Make sure the corner of the adapter board enters the upper board guide of the SCXI chassis.
6. Screw the rear panel of the adapter board to the threaded strips in the rear of the chassis.

The finished installation should look like Figure 2.

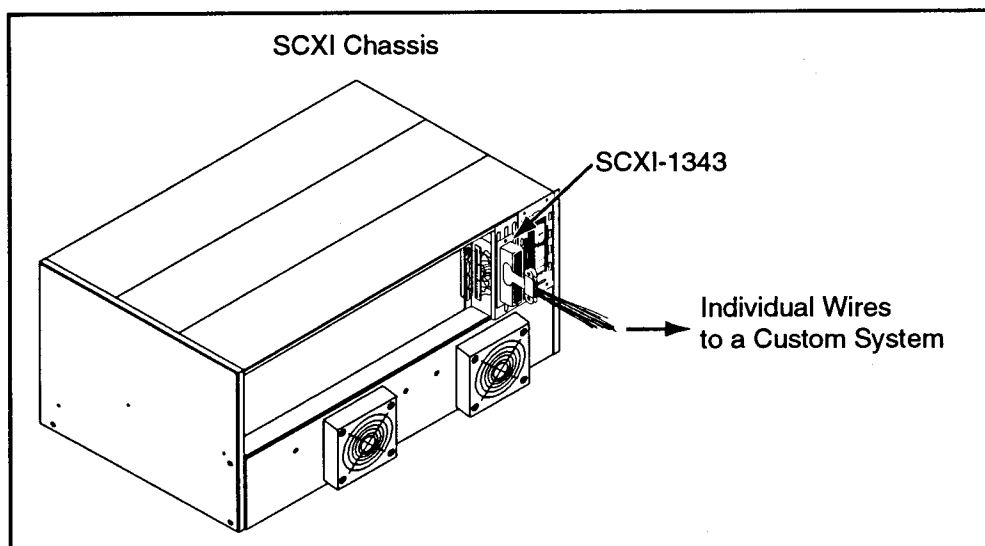


Figure 2. Installed SCXI-1343 and Custom Wiring