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DIN C CABLE ASSEMBLY

This guide describes how to install a DIN C cable assembly with SCXI and VXI modules.

Introduction

A DIN C cable assembly has a shielded backshell that houses a 96-position DIN connector. The shielded backshell can be configured for either SCXI or VXI modules.

What You Need to Get Started

To install your DIN C cable assembly, you need the following:

❏ DIN C cable assembly kit

❏ No. 1 Phillips-head screwdriver

❏ Long-nose pliers

❏ 3/16 in. nutdriver

Installation

Mounting Ear Positions

Make sure the mounting ears on the shielded backshell are in the proper location for your application, (see Figure 1). If they are not, remove them with a No. 1 Phillips-head screwdriver and reinstall them in the correct location.

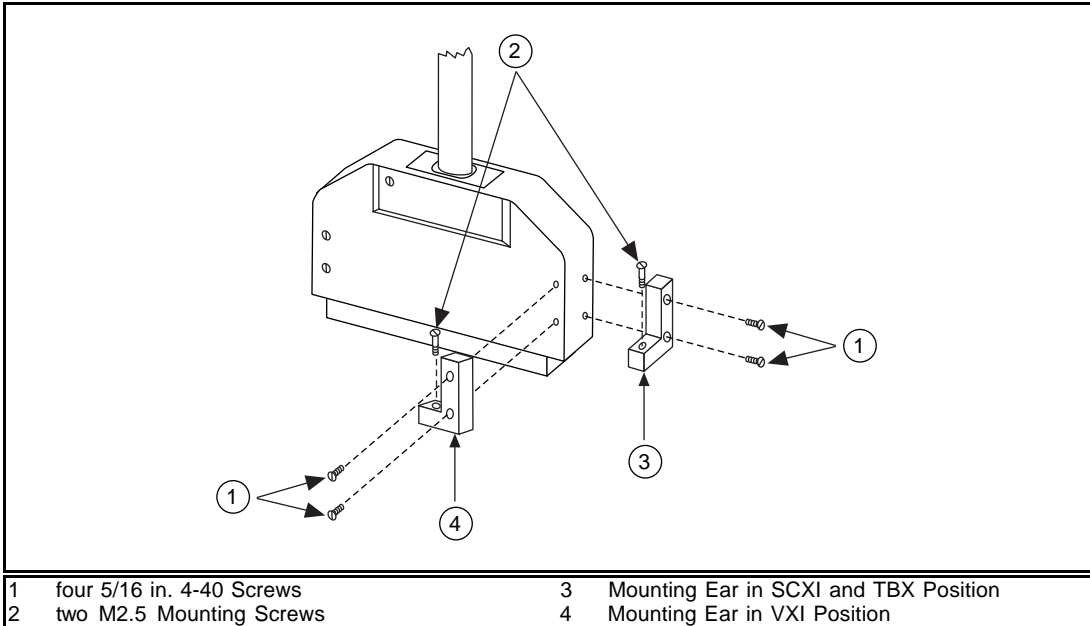| 1 | four 5/16 in. 4-40 Screws | 3 | Mounting Ear in SCXI and TBX Position |
| 2 | two M2.5 Mounting Screws | 4 | Mounting Ear in VXI Position |

Figure 1. Ear Mounting

SCXI Installation

To connect the cable assembly to your SCXI module, refer to Figure 2 and to your module documentation as you perform the following steps.

1. Turn off the computer that contains your data acquisition (DAQ) device or disconnect the device from your SCXI chassis.

2. Turn off your SCXI chassis.

3. Slide the SCXI module out of the SCXI chassis.

4. Remove the grounding screw, then remove the SCXI module cover.

5. Insert one short jackscrew (included in your cable assembly kit) through the SCXI front panel, as shown in Figure 2.

6. While holding the short jackscrew in place, install the lockwasher and then a No. 4-40 hex nut (both are included in your cable assembly kit).

7. Tighten the hex nut by holding it firmly with long-nose pliers and rotating the short jackscrew.

8. Repeat steps 5 through 7 for the second short jackscrew.

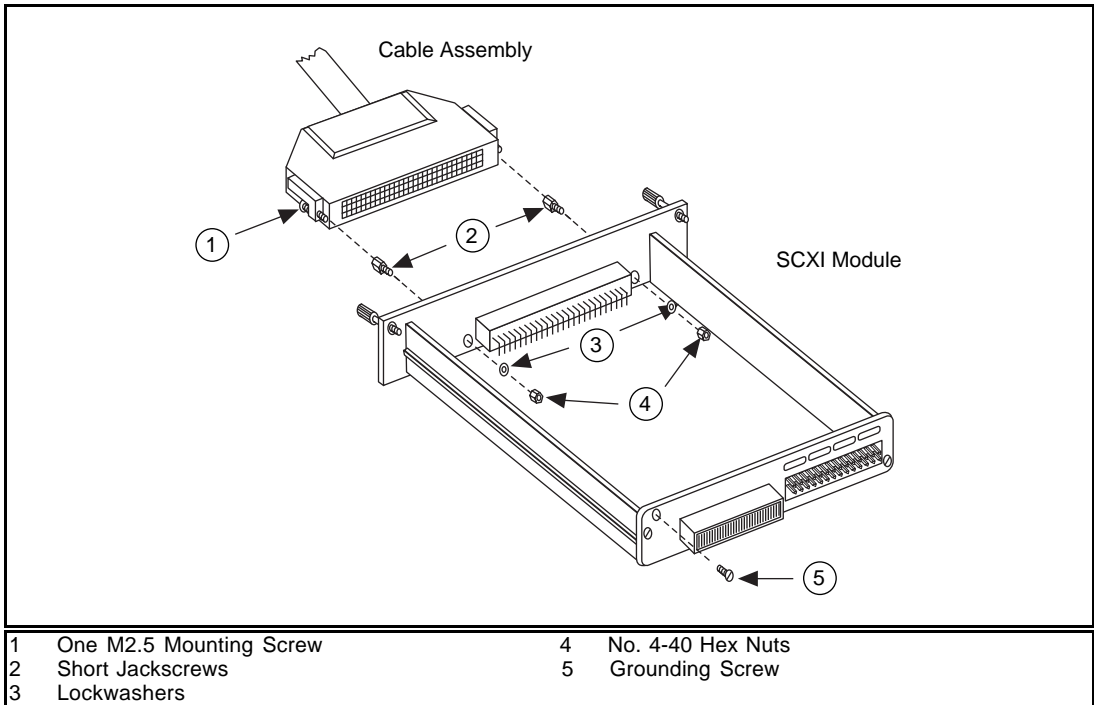9. Replace the SCXI module cover and reinstall the grounding screw.

1	One M2.5 Mounting Screw	4	No. 4-40 Hex Nuts
2	Short Jackscrews	5	Grounding Screw
3	Lockwashers		

Figure 2. SCXI Installation

10. Slide the SCXI module back into place in the SCXI chassis.

11. Plug the DIN C cable assembly to your SCXI module front connector and secure the backshell by tightening both M2.5 mounting screws as shown in Figure 2.

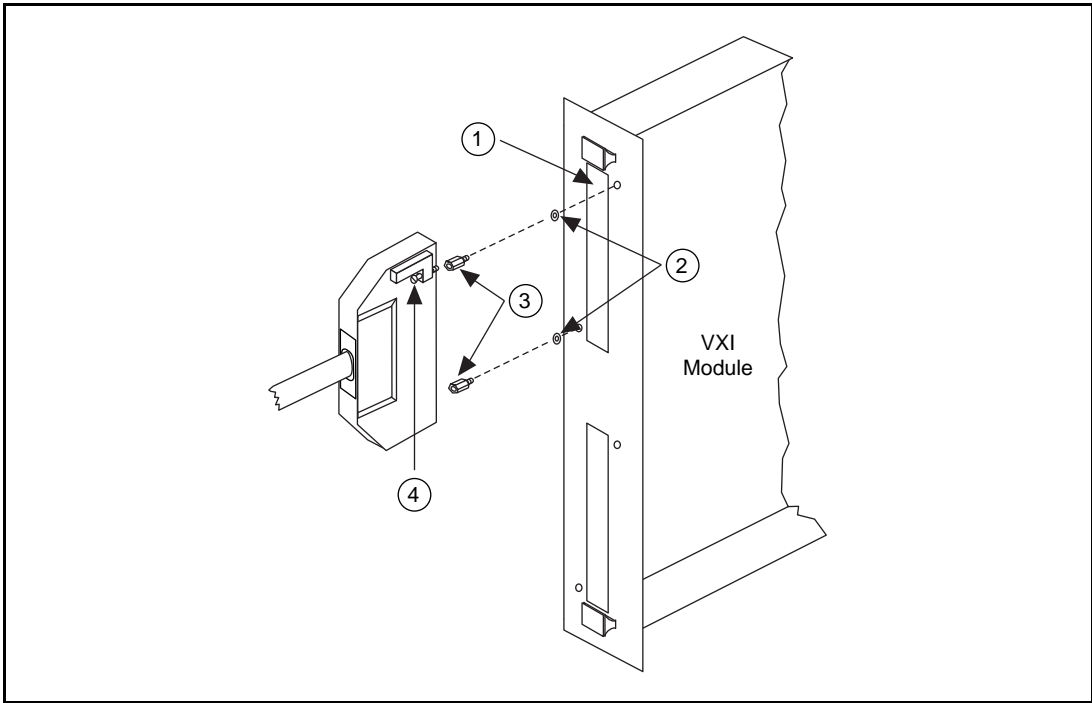12. Reconnect the DAQ device to your SCXI chassis.

The SCXI connection is now complete.

VXI Installation

To connect the cable assembly to your VXI module, refer to Figure 3 as you perform the following steps.

1. Turn off the power to your VXI chassis.

2. Install the long jackscrews and lockwashers (included in your cable assembly kit) as shown in Figure 3.

3. Plug the DIN C cable assembly into your VXI module front connector and secure the backshell by tightening both M2.5 mounting screws (included in your cable assembly kit).
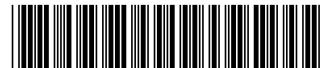
The VXI backshell installation is now complete.

1	Front Connector	3	Long Jackscrews
2	Lockwashers	4	M2.5 Mounting Screw

Figure 3. VXI Installation

TBX Installation

Refer to your TBX terminal block installation to connect the cable assembly to a TBX terminal block.