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CompactRIO Power Connector Accessories

Updated Nov 28, 2023

Overview

Use this guide to select the correct power connector for your CompactRIO Controller. Whether you are creating a new configuration, replacing or expanding your current CompactRIO System, or verifying that existing parts can be used in a different configuration.

This page is part of the [CompactRIO System Accessory Compatibility Guide](#).

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Using this CompactRIO System Accessory Guide

This guide is intended to cover mounting, connectors, power supply and cables for use with your CompactRIO Controller and CompactRIO Chassis. It does not explicitly cover other NI product families such as [DAQ Multifunction I/O/Digital Waveform Instruments \(formerly HSDIO\)](#) or R Series. It also does not cover legacy or End of Life (EOL) parts or products.

Note: Using the page search functionality in your browser to locate your model may speed up this process. This is typically CTRL+F on Windows or ⌘+F on MacOS.

Power Connector Accessory Compatibility Tables

Note: N/A = Not Applicable

Note: P/N = Part Number

Cable & Accessories for C Series Module with D-Sub connection

Controller	Power Screw Terminal Kit	Operation Protection for Power Screw Terminal
cRIO-9012 cRIO-9014 cRIO-9022 cRIO-9023 cRIO-9024 cRIO-9025	NI 9978 4 pos. dual supply (Qty 5) P/N: 196938-01	NI 9979 P/N: 196939-01
cRIO-9030 cRIO-9031 cRIO-9032 cRIO-9033 cRIO-9034 cRIO-9035 cRIO-9036 cRIO-9037 cRIO-9038 cRIO-9039 cRIO-9040 cRIO-9041 cRIO-9042 cRIO-9043 cRIO-9045 cRIO-9046 cRIO-9047 cRIO-9048 cRIO-9049 cRIO-9068	NI 9981 4 pos. dual supply (Qty 5) P/N: 783529-01	NI 9979 P/N: 196939-01
cRIO-9053 cRIO-9054	2 pos. single supply, gold (Qty 4) P/N: 786902-01	NI 9979 P/N: 196939-01
cRIO-9063 cRIO-9064 cRIO-9065 cRIO-9066 cRIO-9067 cRIO-9075 cRIO-9076	2 pos. single supply (Qty 4) P/N: 780702-01	NI 9971 P/N: 196375-01
cRIO-9072 cRIO-9073 cRIO-9074	N/A	NI 9979 P/N: 196939-01
cRIO-9081 cRIO-9082	4 pos. dual supply (Qty 5) P/N: 782582-01	N/A

Cable & Accessories for C Series Module with D-Sub connection

Chassis	Power Screw Terminal Kit	Operation Protection for Power Screw Terminal
NI 9144 NI 9148	N/A	NI 9979 P/N: 196939-01
NI 9145 NI 9146 NI 9147 NI 9149	2 pos. single supply (Qty 4) P/N: 780702-01	NI 9971 P/N: 196375-01
NI 9154 NI 9155 NI 9157 NI 9159	NI 9978 4 pos. dual supply (Qty 5) P/N: 196938-01	NI 9979 P/N: 196939-01

Ordering Information

For more information on any of the listed NI orderable parts, please visit <http://www.ni.com/contact-us/> to contact an NI representative or visit the [Connector Shop](#) page. Most NI orderable parts listed in this guide without a product page can still be purchased by contacting NI.

Glossary of Terms Used

- **Operation Protection for Power Screw Terminal** - NI 9971 Backshell for 2-pos connector block.

Additional Resources

- [C Series I/O Cable & Accessory Compatibility Guide](#)