



# NATIONAL INSTRUMENTS NI 78xxR 68 Pin Shielded Connector Block User Guide

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## NI 78xxR 68 Pin Shielded Connector Block User Guide

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**NI 78xxR 68 Pin Shielded Connector Block**



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#### NOTE TO USERS

##### NI 78xxR Pinout Labels for the SCB-68A

Reconfigurable I/O R Series Modules/Devices Using the 68-Pin Shielded Connector Block

If you are using an NI 78xxR (formerly referred to as R Series) reconfigurable I/O device or module with the SCB-68A, you can print and attach a connector-specific pinout label to the cover of the connector block for easy connection reference. This document provides labels for the following models:

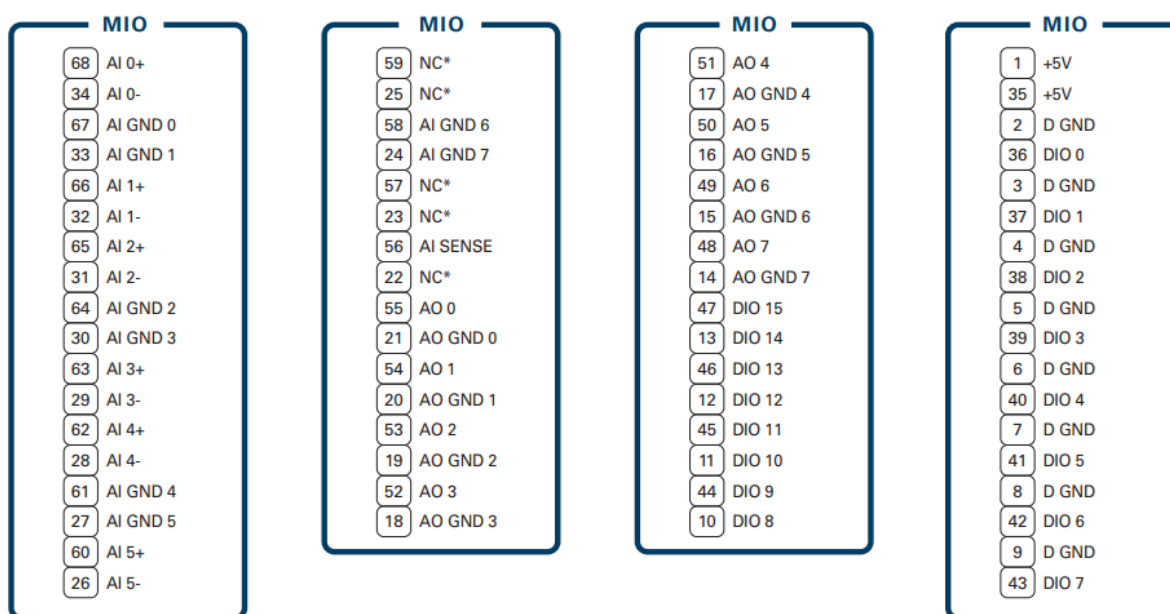
- NI PCI-7811R
- NI PXI-7811R
- NI PCI-7813R
- NI PXI-7813R
- NI PCI-7830R
- NI PXI-7830R
- NI PCI-7831R
- NI PXI-7831R
- NI PCI-7833R
- NI PXI-7833R
- NI PCIe-7841R
- NI PXI-7841R
- NI PCIe-7842R
- NI PXI-7842R
- NI USB-7845R
- NI PXIe-7846R

- NI USB-7846R
- NI PXIe-7847R
- NI PCIe-7851R
- NI PXI-7851R
- NI PCIe-7852R
- NI PXI-7852R
- NI PXI-7853R
- NI PXI-7854R
- NI USB-7855R
- NI PXIe-7856R
- NI USB-7856R
- NI PXIe-7857R
- NI PXIe-7858R
- NI PXIe-7867R
- NI PXIe-7868R



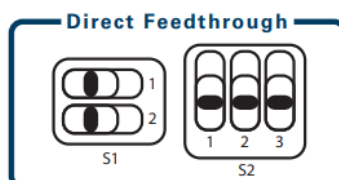
**Note** To find the appropriate cable for your device, go to [ni.com/info](http://ni.com/info) and enter Info Code scb68acables. Use the following label in Figure 1 if you are connecting the SCB-68A to the MIO connector on NI PXIe-7867R/7868R models.

**Figure 1.** MIO Connector for NI PXIe-7867R/7868R



### SCB-68A Quick Reference Label

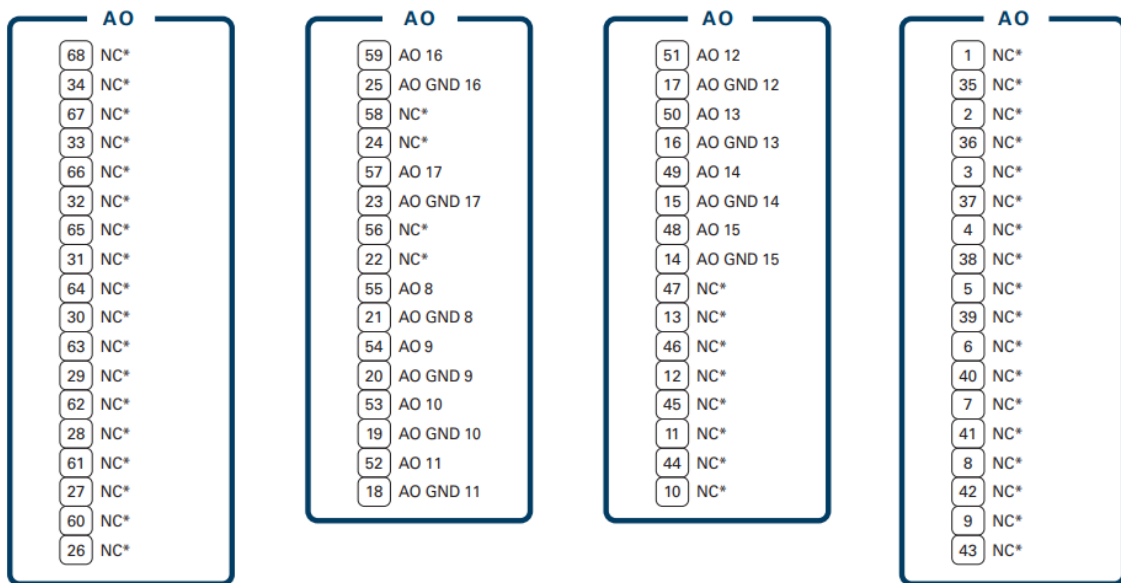
R Series Devices - MIO Connector  
PXIe-7867R/7868R



\*NC: No Connect

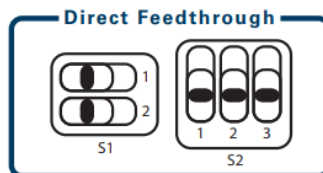
Use the following label in Figure 2 if you are connecting the SCB-68A to the AO connector on NI PXIe-7867R/7868R models.

**Figure 2.** AO Connector for NI PXIe-7867R/7868R



### SCB-68A Quick Reference Label

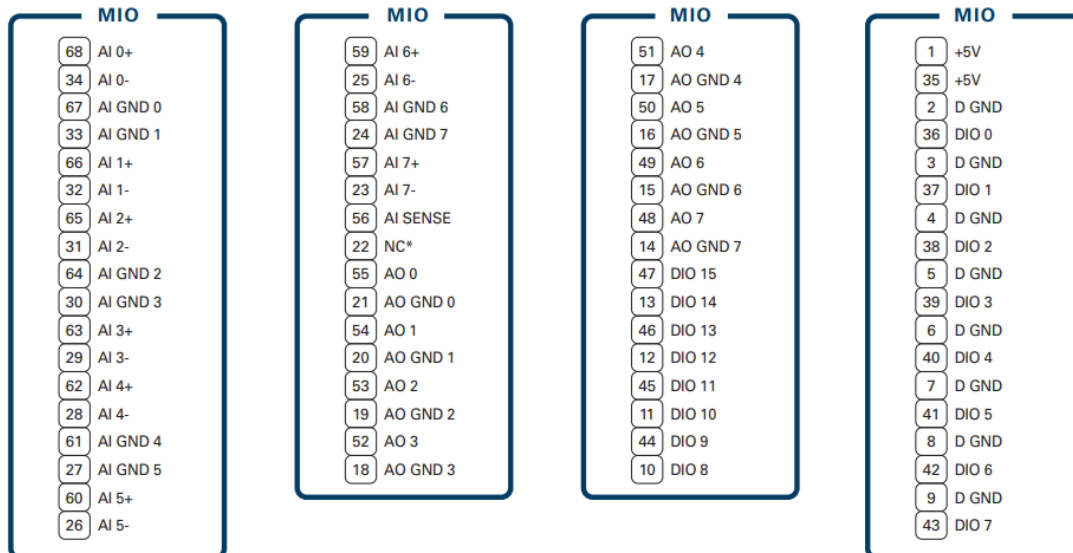
R Series Devices - AO Connector  
PXIe-7867R/7868R



\*NC: No Connect

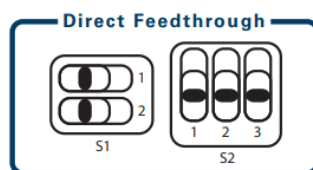
Use the following label in Figure 3 if you are connecting the SCB-68A to the MIO connector on NI 781xR/783xR/784xR/785xR models.

**Figure 3.** MIO Connector for NI 781xR/783xR/784xR/785xR



### SCB-68A Quick Reference Label

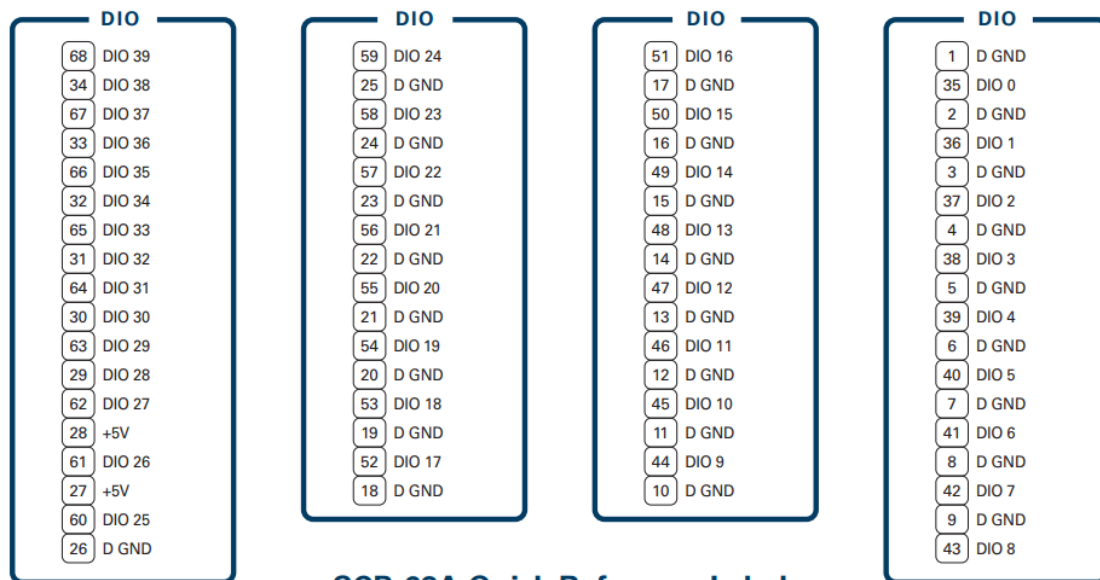
R Series Devices - MIO Connector  
NI 781xR/783xR/7841R/7842R/7851R/7852R/7853R/7854R



\*NC: No Connect

Use the following label in Figure 4 if you are connecting the SCB-68A to the DIO connector on NI 781xR/783xR/7841R/7842R/7851R/7852R/7853R/7854R models.

**Figure 4.** DIO Connector for NI 781xR/783xR/7841R/7842R/7851R/7852R/7853R/7854R

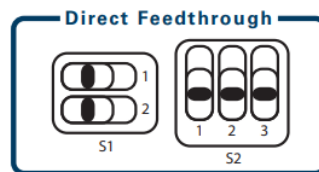


### SCB-68A Quick Reference Label

R Series Devices - DIO Connector

NI 781xR/783xR

NI 7841R/7842R/7851R/7852R/7853R/7854R



**Note** To connect to the DIO connector on NI PXIe-7846R/7847R/7856R/ 7857R/7858R/7867R/7868R models, instead use the SCB-68 HSDIO Shielded Connector Block.

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## Documents / Resources



[NATIONAL INSTRUMENTS NI 78xxR 68 Pin Shielded Connector Block](#) [pdf] User Guide  
PXIe-7867R, PXIe-7868R, NI 78xxR, NI 78xxR 68 Pin Shielded Connector Block, 68 Pin Shielded Connector Block, Shielded Connector Block, Connector Block, Block

## References

- [NI Test and Measurement Systems, a part of Emerson - NI](#)
- [NI Using Info Codes - NI](#)
- [NI Trade Compliance - NI](#)
- [NI National Instruments Patents - NI](#)
- [NI NI Trademarks and Logo Guidelines - NI](#)
- [AW SCB-68A National Instruments Shielded I/O Connector Block | Apex Waves](#)
- [User Manual](#)