

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:

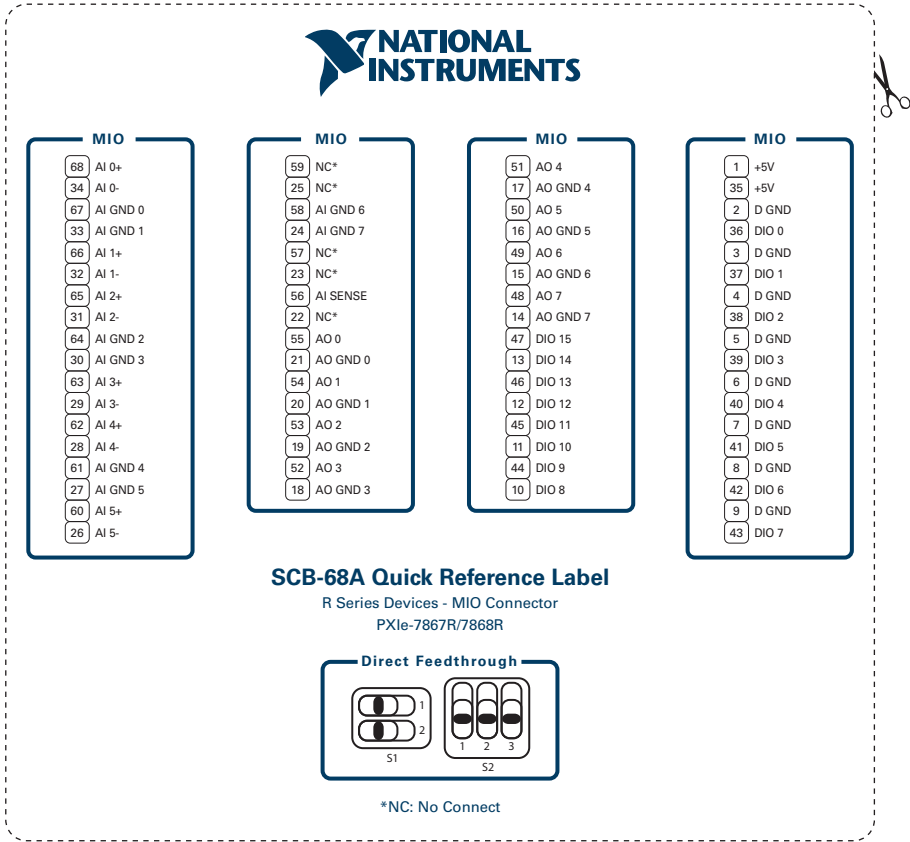
- NI PCI-7811R
- NI PXI-7811R
- NI PCI-7813R
- NI PXI-7813R
- NI PCI-7830R
- NI PXI-7830R
- NI PCI-7831R
- NI PXI-7831R
- NI PCI-7833R
- NI PXI-7833R
- NI PCIe-7841R
- NI PXI-7841R
- NI PCIe-7842R
- NI PXI-7842R
- NI USB-7845R
- NI PXIe-7846R
- NI USB-7846R
- NI PXIe-7847R
- NI PCIe-7851R
- NI PXI-7851R
- 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 and enter Info Code `scb68acables`.

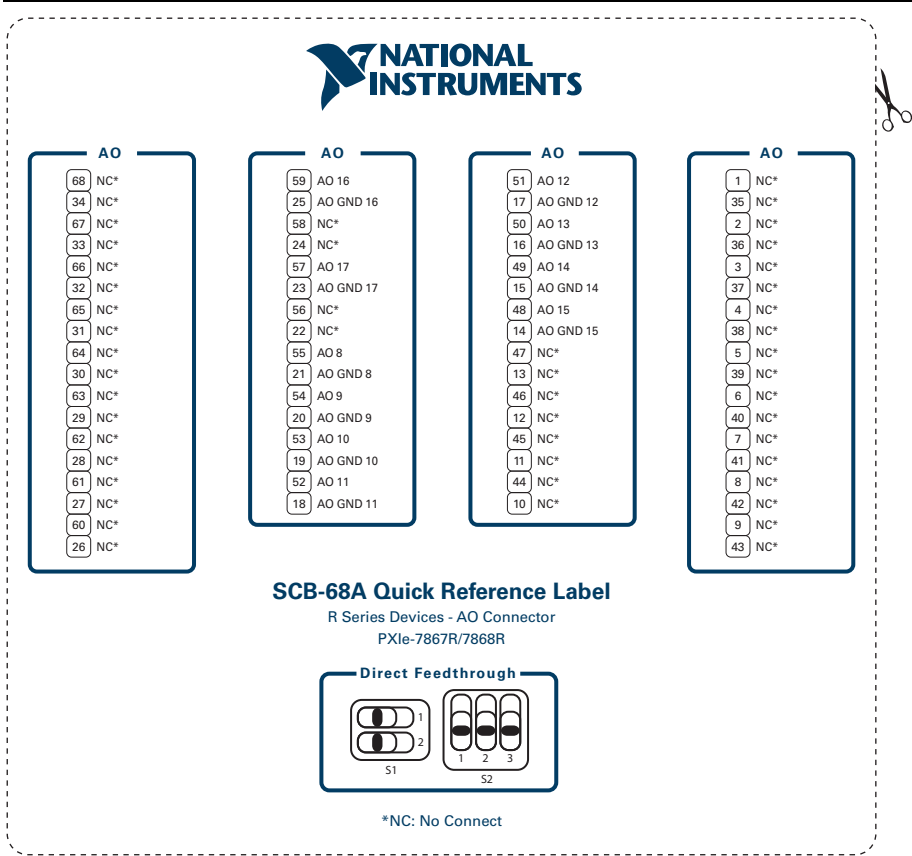
Use the following label in Figure 1 if you are connecting the SCB-68A to the MIO connector on NI PXIe-7867R/7868R models.

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



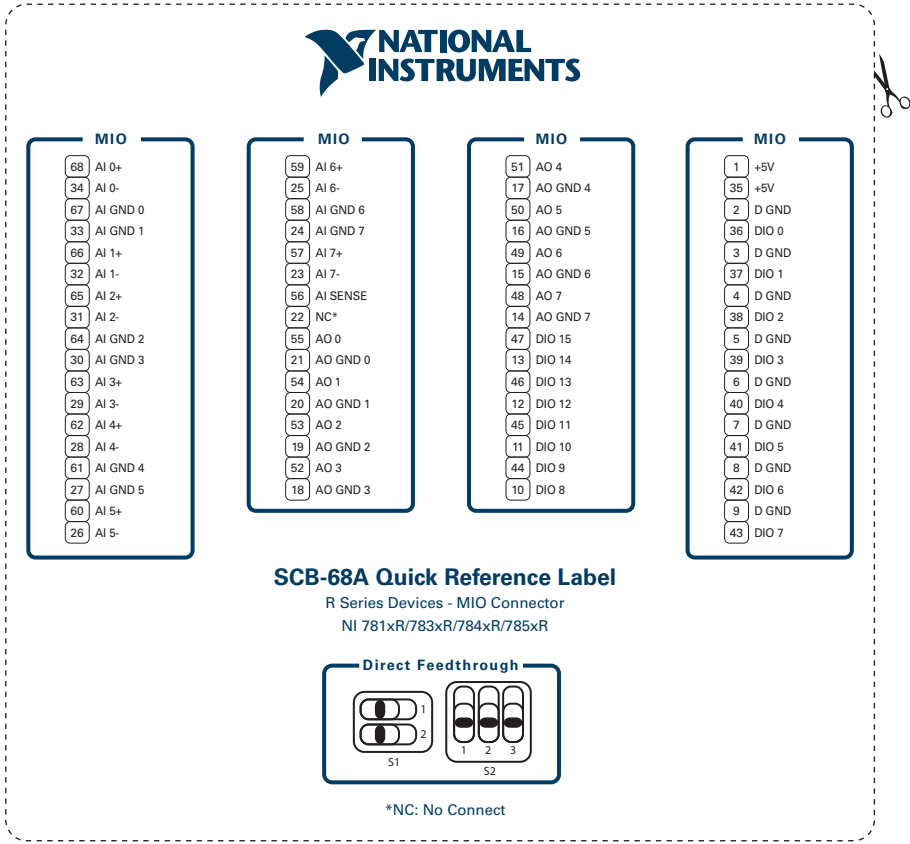
Use the following label in Figure 2 if you are connecting the SCB-68A to the AO connector on NI PXIe-7867R/7868R models.

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



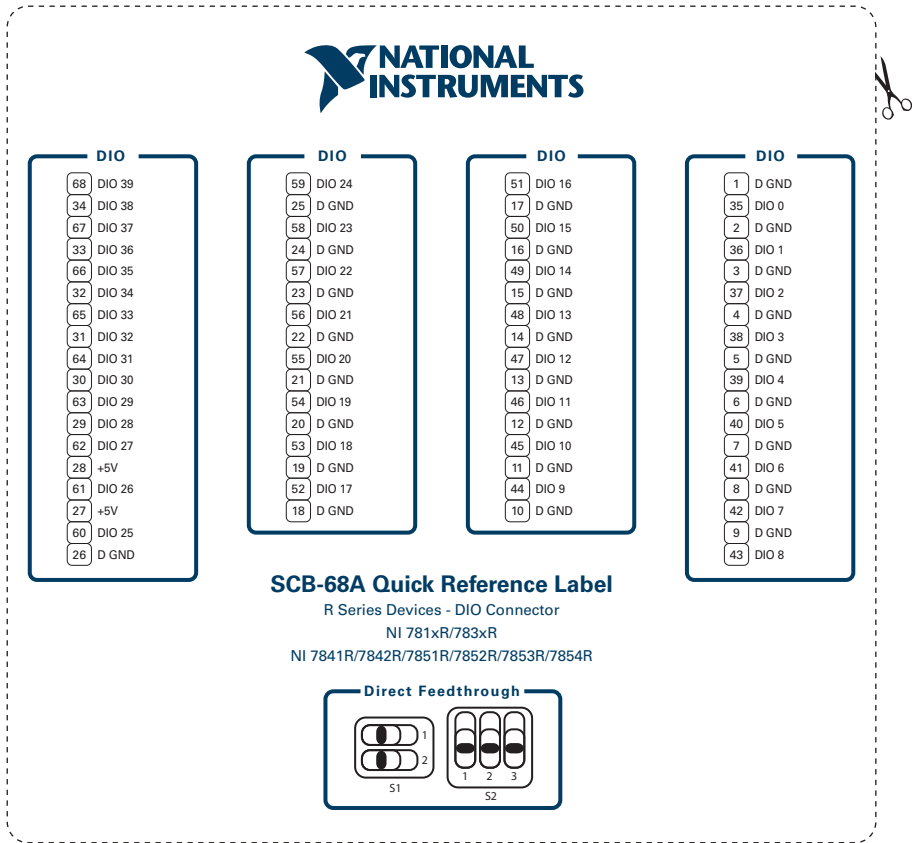
Use the following label in Figure 3 if you are connecting the SCB-68A to the MIO connector on NI 781xR/783xR/784xR/785xR models.

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



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



DIO

51

DIO 16

17

D GND

50

DIO 15

16

D GND

49

DIO 14

15

D GND

48

DIO 13

14

D GND

47

DIO 12

13

D GND

46

DIO 11

12

D GND

45

DIO 10

11

D GND

44

DIO 9

10

D GND

DIO

1

D GND

35

DIO 0

2

D GND

36

DIO 1

3

D GND

37

DIO 2

4

D GND

38

DIO 3

5

D GND

39

DIO 4

6

D GND

40

DIO 5

7

D GND

41

DIO 6

8

D GND

42

DIO 7

9

D GND

43

DIO 8

SCB-68A Quick Reference Label

R Series Devices - DIO Connector

NI 781xR/783xR

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

Direct Feedthrough

1

2

S1

1

2

3

S2



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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