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# **NOTE TO USERS**

# NI 66xx Pinout Labels for the SCB-68

Counter/Timer Modules/Devices Using the 68-Pin Shielded Connector Block

If you are using an NI 66xx (formerly referred to as TIO) counter/timer device or module with the SCB-68, 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 6601
- NI 6602
- NI 6608
- NI 6612
- NI 6614



Use the following label if you are connecting the SCB-68 to NI 6601, NI 6602, and NI 6608 models.

Figure 1. NI 660x



#### SCB-68 Quick Reference Label

NI 660x Counter/Timer (TIO) Models

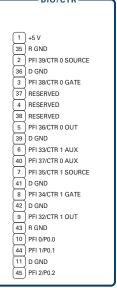


#### 68 D GND 34 PFI 31/P0.31/CTR 2 SOURCE 67 PFI 30/P0.30/CTR 2 GATE 33 D GND 66 PFI 29/P0.29/CTR 2 AUX 32 PFI 28/P0.28/CTR 2 OUT 65 D GND 31 PFI 27/P0.27/CTR 3 SOURCE 64 PFI 26/P0.26/CTR 3 GATE 30 D GND 63 PFI 25/P0.25/CTR 3 AUX 29 PFI 24/P0.24/CTR 3 OUT 62 D GND 28 PFI 23/P0.23/CTR 4 SOURCE 61 PFI 22/P0.22/CTR 4 GATE 27 D GND 60 PFI 21/P0.21/CTR 4 AUX 26 PFI 20/P0.20/CTR 4 OUT 59 D GND 25 PFI 19/P0.19/CTR 5 SOURCE 58 PFI 18/P0.18/CTR 5 GATE 24 D GND 57 PFI 17/P0.17/CTR 5 AUX

23 PFI 16/P0.16/CTR 5 OUT

DIO/CTR =





R GND: These terminals are routed to RESERVED when using the product with a SH68-68-D1 shielded cable or routed to D GND when using the product with a R68-68 ribbon cable.



#### Figure 2. NI 661x



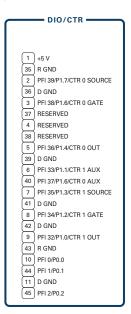
#### **SCB-68 Quick Reference Label**

NI 661x Counter/Timer (TIO) Models



#### DIO/CTR -68 D GND 34 PFI 31/P0.31/CTR 2 SOURCE 67 PFI 30/P0.30/CTR 2 GATE 33 D GND 66 PFI 29/P0.29/CTR 2 AUX 32 PFI 28/P0.28/CTR 2 OUT 65 D GND 31 PEL 27/P0 27/CTR 3 SOLIBCE 64 PFI 26/P0.26/CTR 3 GATE 30 D GND 63 PFI 25/P0.25/CTR 3 AUX 29 PFI 24/P0.24/CTR 3 OUT 62 D GND 28 PFI 23/P0.23/CTR 4 SOURCE 61 PFI 22/P0.22/CTR 4 GATE 27 D GND 60 PFI 21/P0.21/CTR 4 AUX 26 PFI 20/P0.20/CTR 4 OUT 59 D GND 25 PFI 19/P0.19/CTR 5 SOURCE 58 PFI 18/P0.18/CTR 5 GATE 24 D GND 57 PFI 17/P0.17/CTR 5 AUX 23 PFI 16/P0.16/CTR 5 OUT

DIO/CTR
12 PFI 3/P0.3
46 D GND
13 PFI 4/P0.4
47 PFI 5/P0.5
14 D GND
48 PFI 6/P0.6
15 PFI 7/P0.7
49 D GND
16 PFI 8/P0.8/CTR 7 OUT
50 D GND
17 PFI 9/P0.9/CTR 7 AUX
51 PFI 10/PO.10/CTR 7 GATE
18 D GND
52 PFI 11/P0.11/CTR 7 SOURCE
19 R GND
53 PFI 12/PO.12/CTR 6 OUT
20 D GND
54 PFI 13/P0.13/CTR 6 AUX
21 PFI 14/P0.14/CTR 6 GATE
55 D GND
22 PFI 15/P0.15/CTR 6 SOURCE



R GND: These terminals are routed to RESERVED when using the product with a SH68-68-D1 shielded cable or routed to D GND when using the product with a R68-68 ribbon cable.

[56] R GND



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