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NOTE TO USERS

NI 66xx Pinout Labels for the SCB-68A

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-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 the label for the following models:

- NI 6601
- NI 6602
- NI 6608
- NI 6612
- NI 6614



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

Figure 1. NI 660x



DIO/CTR = DIO/CTR DIO/CTR DIO/CTR 68 D GND D GND PFI 10/PO.10/CTR 7 GATE 34 PFI 31/P0.31/CTR 2 SOURCE PFI 19/P0.19/CTR 5 SOURCE PFI 9/P0.9/CTR 7 AUX 35 R GND 67 PFI 30/P0.30/CTR 2 GATE PFI 18/P0.18/CTR 5 GATE 50 D GND 2 PFI 39/CTR 0 SOURCE 33 D GND PFI 8/P0.8/CTR 7 OUT 66 PFI 29/P0.29/CTR 2 AUX 57 PFI 17/P0.17/CTR 5 AUX 49 D GND 3 PFI 38/CTR 0 GATE 32 PFI 28/P0.28/CTR 2 OUT 23 PFI 16/P0.16/CTR 5 OUT 15 PFI 7/P0.7 37 RESERVED 65 D GND 56 R GND 48 PFI 6/P0.6 4 RESERVED [22] 14 D GND 31 PFI 27/P0.27/CTR 3 SOURCE PFI 15/P0.15/CTR 6 SOURCE 38 RESERVED 47 PFI 5/P0.5 64 PELSE/PUSE/CTR 3 GATE 55 D GND 5 PELSE/CTR O OLIT 30 D GND 21 PFI 14/P0.14/CTR 6 GATE 13 PFI 4/P0.4 39 D GND 54 PFI 13/P0 13/CTR 6 AUX 46 D GND 6 PFI 33/CTR 1 AUX 63 PFI 25/P0.25/CTR 3 AUX 29 PFI 24/P0.24/CTR 3 OUT 20 D GND 12 PFI 3/P0.3 40 PFI 37/CTR 0 AUX 62 D GND 53 PFI 12/PO.12/CTR 6 OUT 45 PFI 2/P0.2 7 PFI 35/CTR 1 SOURCE 28 PFI 23/P0.23/CTR 4 SOURCE 19 R GND 11 D GND 41 D GND 61 PFI 22/P0.22/CTR 4 GATE 52 PFI 11/P0.11/CTR 7 SOURCE 44 PFI 1/P0.1 8 PFI 34/CTR 1 GATE 27 D GND PFI 0/P0.0 42 D GND 18 D GND 10 60 PFI 21/P0.21/CTR 4 AUX 9 PFI 32/CTR 1 OUT 26 PFI 20/P0.20/CTR 4 OUT 43 R GND SCB-68A Quick Reference Label NI 660x Counter/Timer (TIO) Models

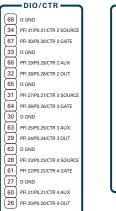
R GND: These terminals are routed to RESERVED when using the product with a SH68-68-D1 shielded cable or routed to D GND when using the product with a R68-68 ribbon cable.



Use the following label if you are connecting the SCB-68A to NI 6612 and NI 6614 models.

Figure 2. NI 661x





$\overline{}$	DIO/CTR
[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
56	R GND
22	PFI 15/P0.15/CTR 6 SOURCE
(55)	D GND
21	PFI 14/P0.14/CTR 6 GATE
54	PFI 13/P0.13/CTR 6 AUX
(20)	D GND
53	PFI 12/PO.12/CTR 6 OUT
(19)	R GND
52	PFI 11/P0.11/CTR 7 SOURCE
18	D GND





SCB-68A Quick Reference Label

NI 661x Counter/Timer (TIO) Models

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.



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