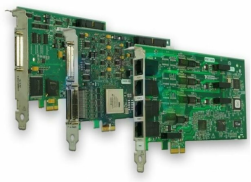

APEX WAVES PCIe-6612 Counter-Timer Module User Guide

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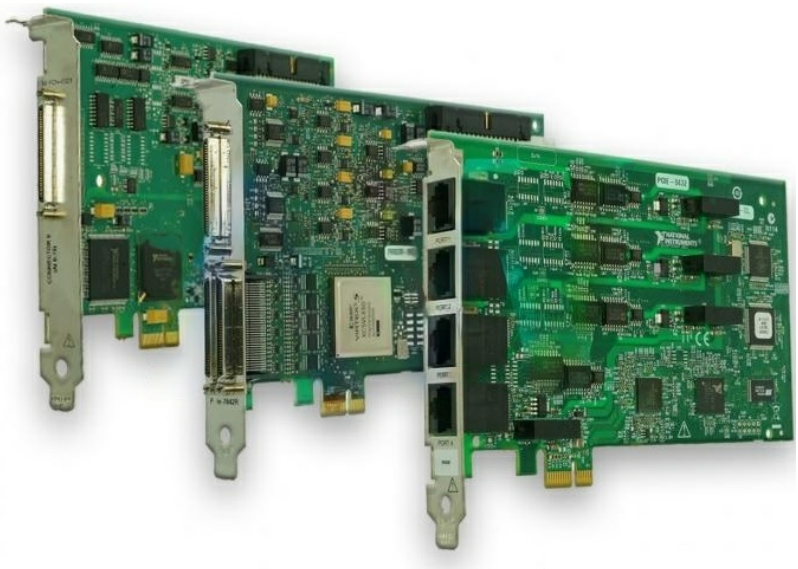
APEX WAVES PCIe-6612 Counter-Timer Module



Product Information

The PCIe-6612 is a Counter/Timer Module that is used with the SCB-68A Shielded Connector Block. It is compatible with NI 6601, NI 6602, NI 6608, NI 6612, and NI 6614 models. The module has a 68-pin connector block and provides various input and output terminals for signal measurement and generation.

Product Usage Instructions

To use the PCIe-6612 Counter/Timer Module, follow the below instructions:

1. Connect the SCB-68A Shielded Connector Block to the PCIe-6612 module.
2. Refer to the appropriate pinout labels for the NI model you are connecting to the SCB-68A. Use Figure 1 for NI 6601, NI 6602, and NI 6608 models. Use Figure 2 for NI 6612 and NI 6614 models.
3. Connect the input/output terminals to the appropriate signal sources or measurement devices.
4. Configure the module settings using the appropriate software (such as NI-MAX or LabVIEW) depending on your application requirements.
5. Start acquiring or generating signals as per your application needs.

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:

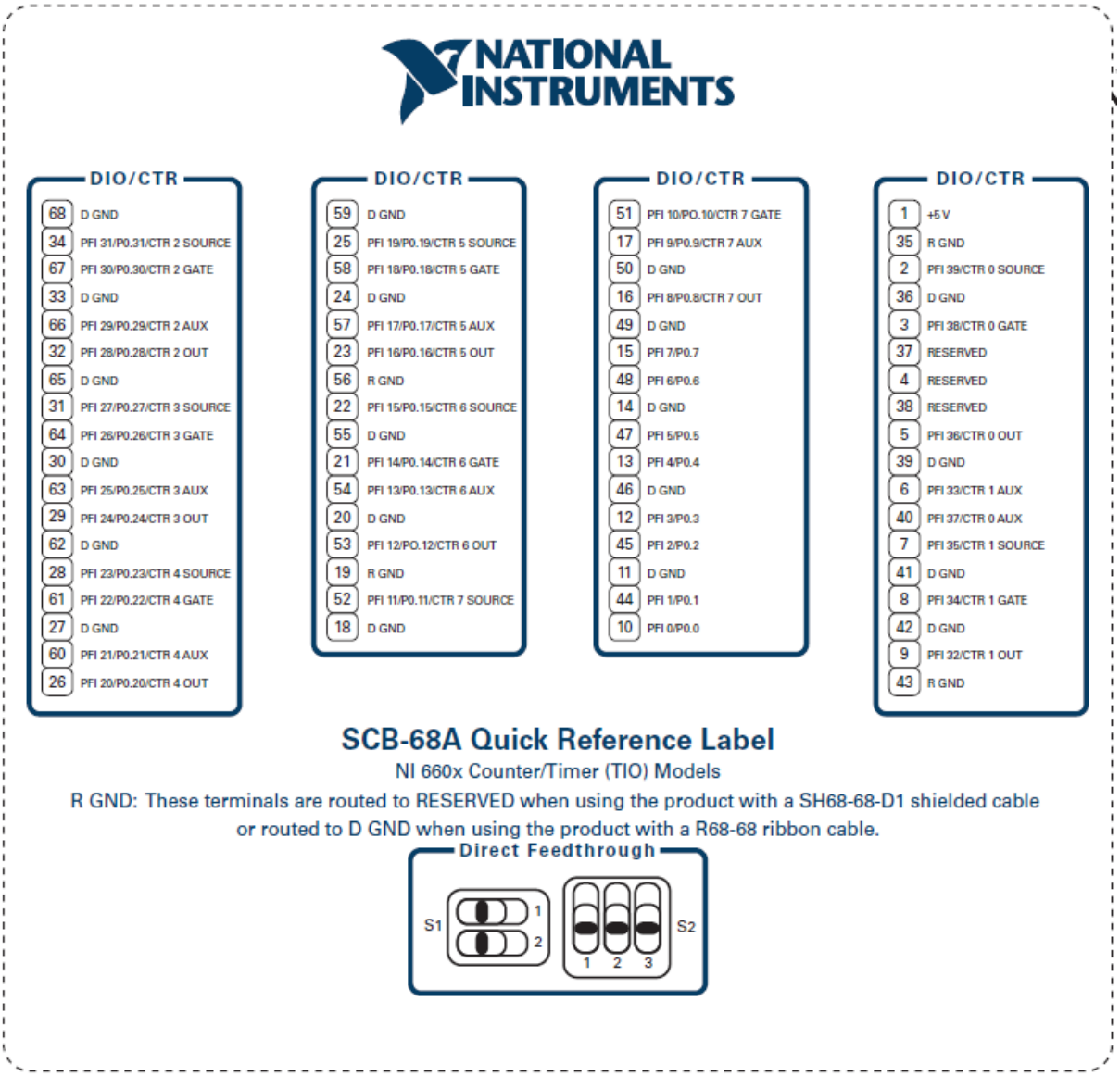
Models

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

Use the following label

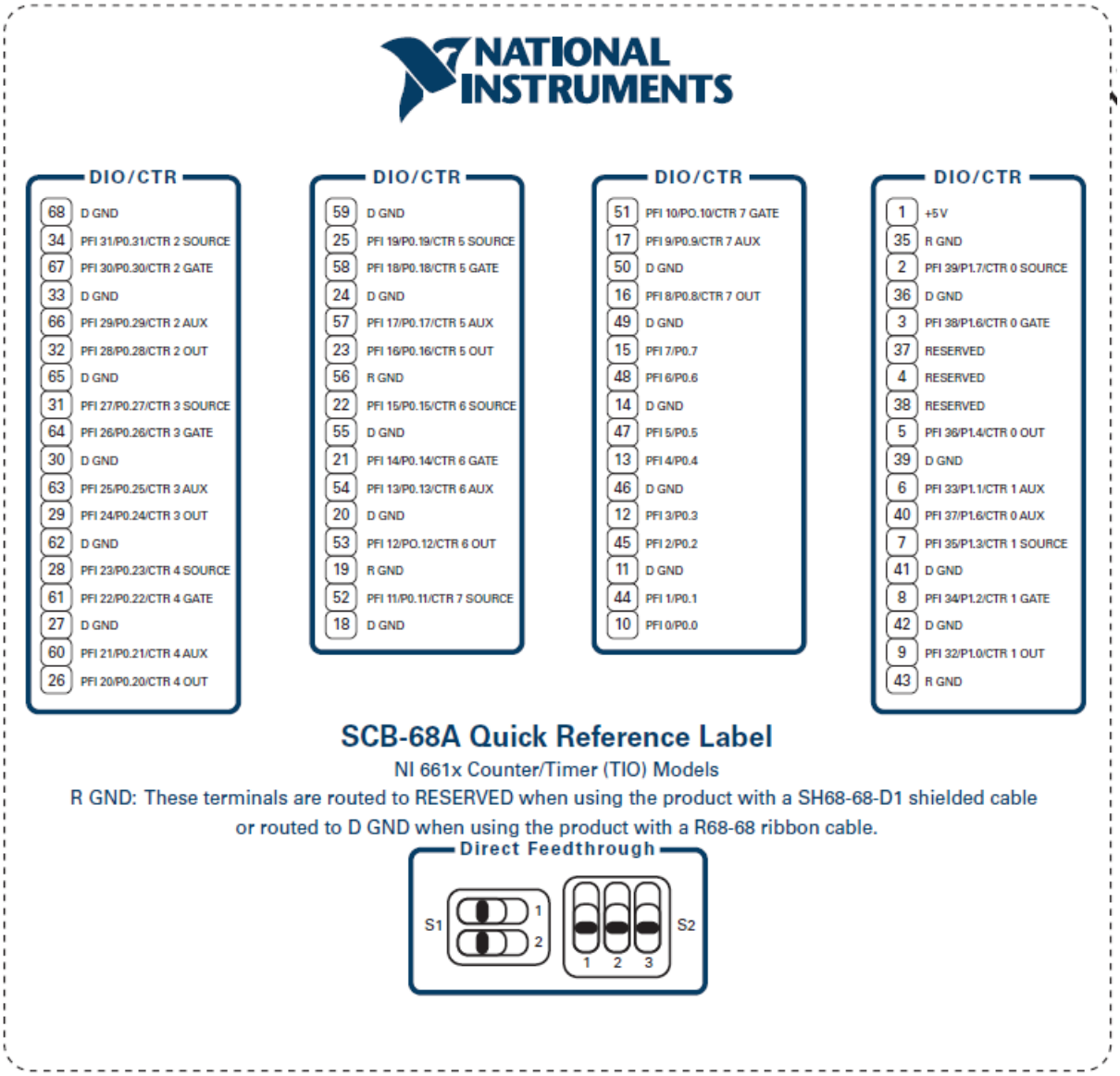
Use the following label if you are connecting the SCB-68A to NI 6601, NI 6602, and NI 6608 models.

NI 660x



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

NI 661x



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References

- Engineer Ambitiously - NI
- Trade Compliance - NI
- National Instruments Patents - NI
- NI Trademarks and Logo Guidelines - NI
- PCIe-6612 National Instruments Counter/Timer Device | Apex Waves

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