



# APEX WAVES PXI-7841 Multifunction Reconfigurable I-O Module User Guide

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## NOTE TO USERS NI 78xxR Pinout Labels for the SCB-68

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## PXI-7841 Multifunction Reconfigurable I-O Module

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#### 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-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:

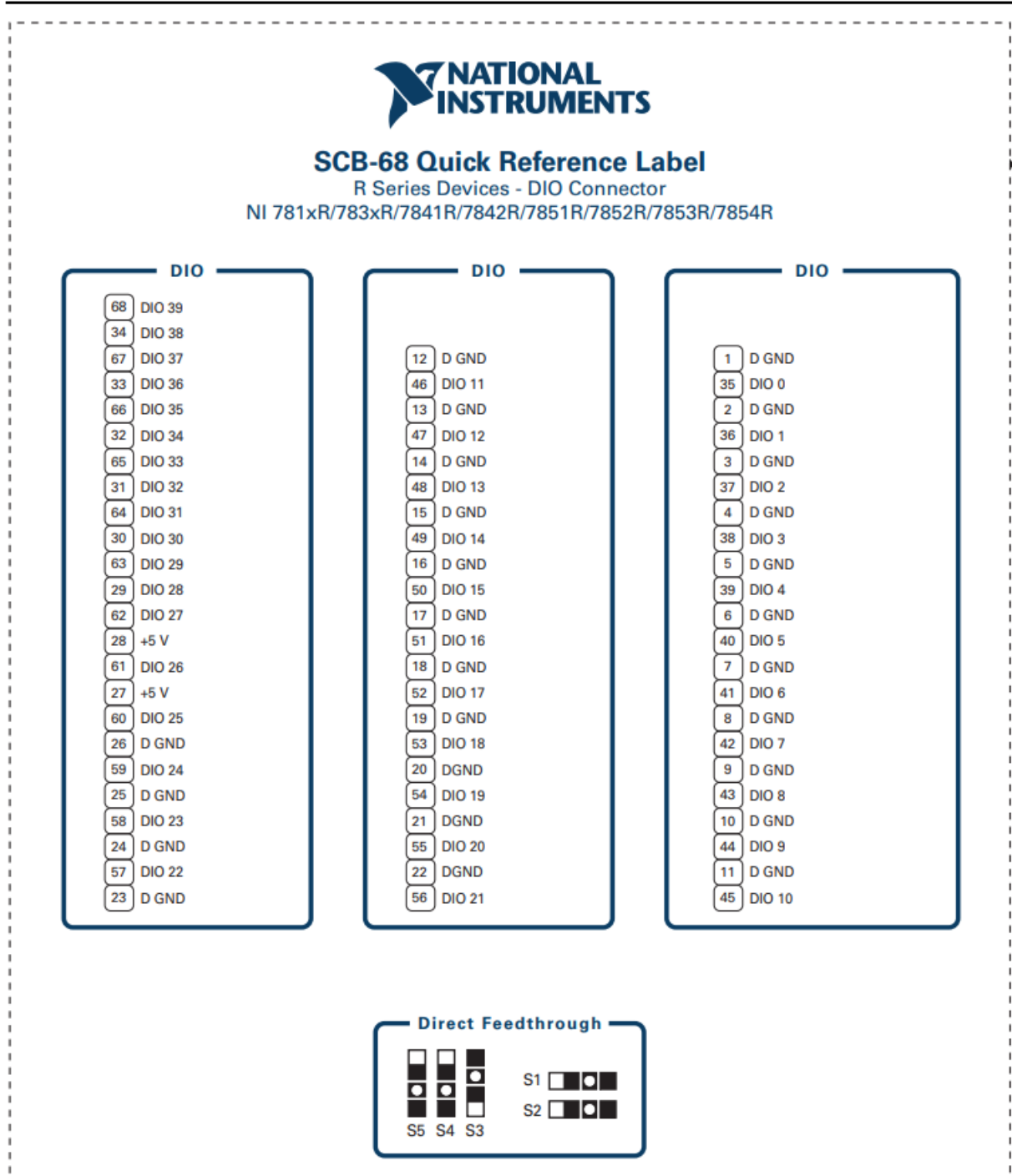
|                 |                 |
|-----------------|-----------------|
| • NI PCI-7811R  | • NI USB-7846R  |
| • NI PXI-7811R  | • NI PXIe-7847R |
| • NI PCI-7813R  | • NI PCIe-7851R |
| • NI PXI-7813R  | • NI PXI-7851R  |
| • NI PCI-7830R  | • NI PCIe-7852R |
| • NI PXI-7830R  | • NI PXI-7852R  |
| • NI PCI-7831R  | • NI PXI-7853R  |
| • NI PXI-7831R  | • NI PXI-7854R  |
| • NI PCI-7833R  | • NI USB-7855R  |
| • NI PXI-7833R  | • NI PXIe-7856R |
| • NI PCIe-7841R | • NI USB-7856R  |
| • NI PXI-7841R  | • NI PXIe-7857R |
| • NI PCIe-7842R | • NI PXIe-7858R |
| • NI PXI-7842R  | • NI PXIe-7867R |
| • NI USB-7845R  | • NI PXIe-7868R |
| • NI PXIe-7846R |                 |



**Note** To find the appropriate cable for your device, go to [ni.com/info](http://ni.com/info) and enter Info Code scb68acables.

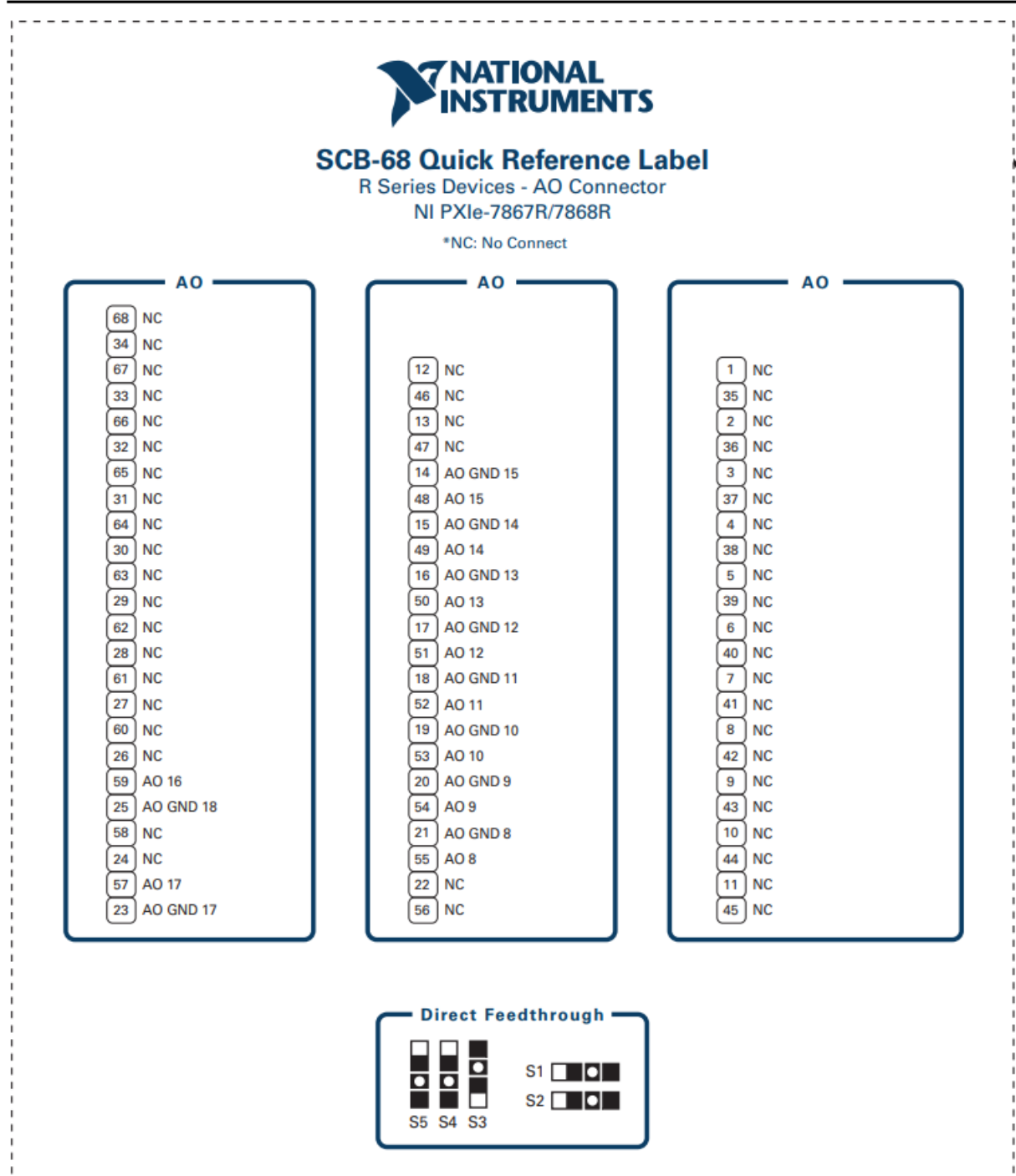
Use the following label if you are connecting the SCB-68 to the RMIO connector on NI PXIe-7867R/7868R models.

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



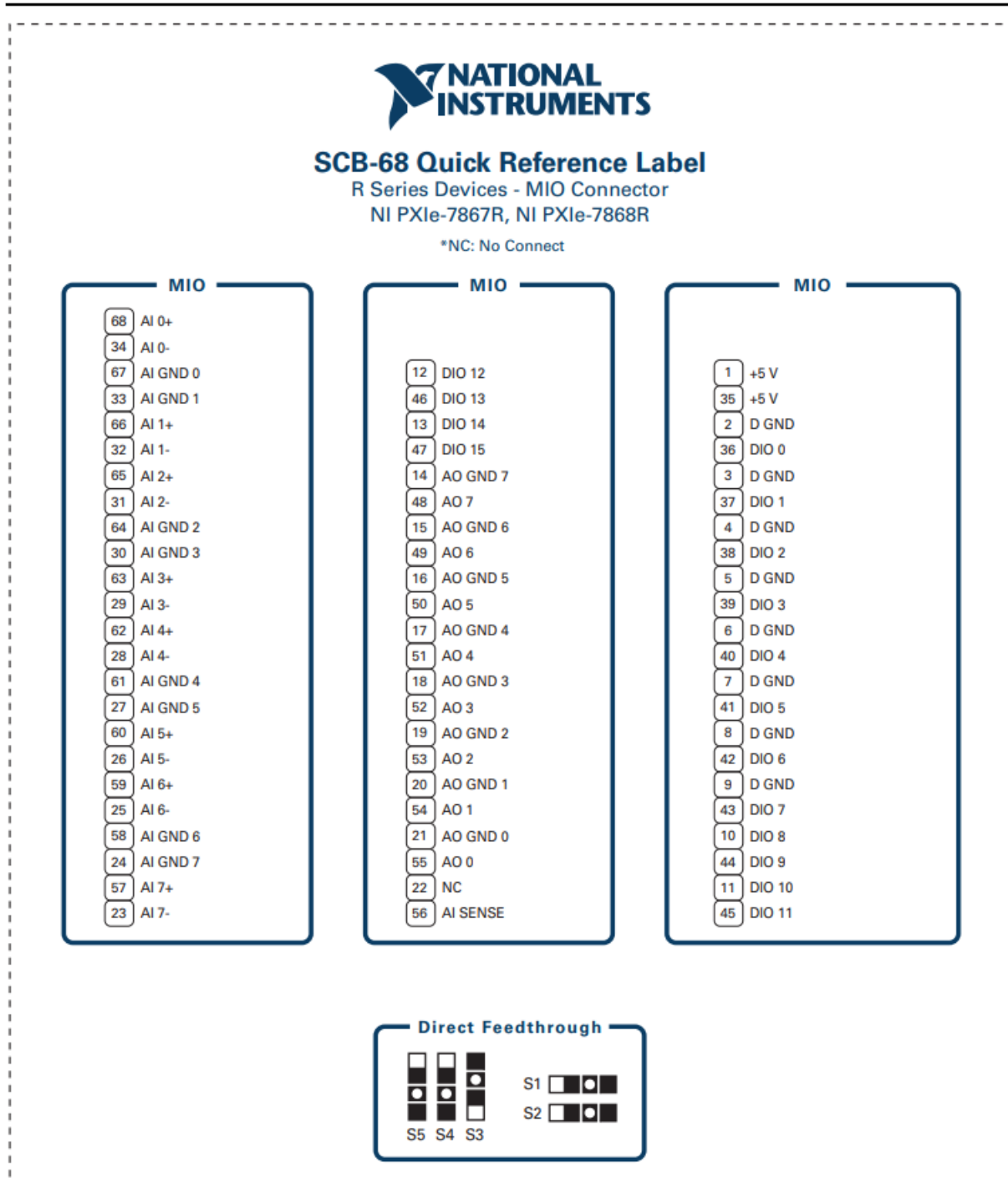
Use the following label if you are connecting the SCB-68 to the RAO connector on NI PXIe-7867R/7868R models.

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



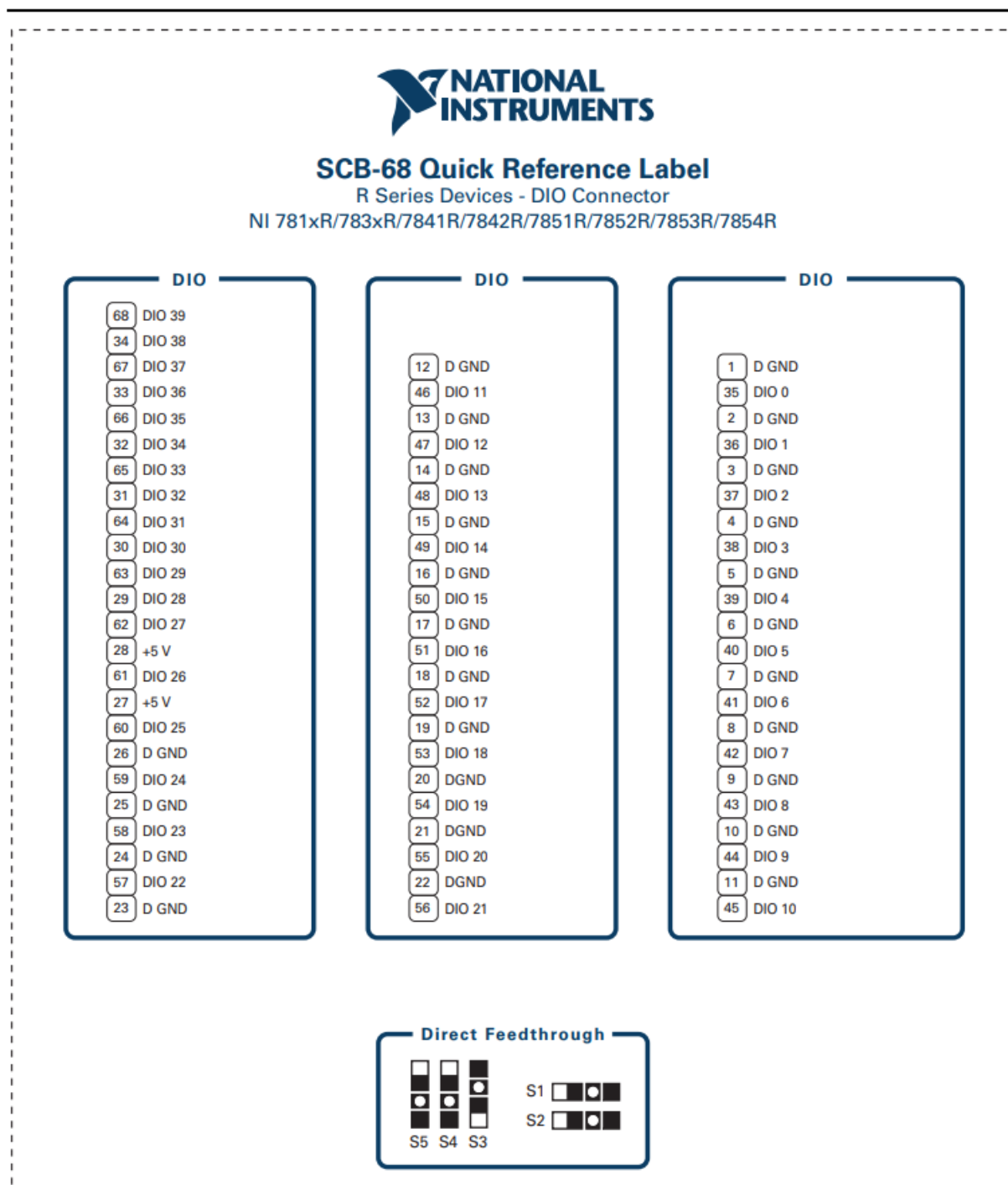
Use the following label if you are connecting the SCB-68 to the RMIO connector on NI 781xR/783xR/784xR/785xR models.

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



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

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



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

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## Documents / Resources

|                                                                                   |                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">APEX WAVES PXI-7841 Multifunction Reconfigurable I-O Module</a> [pdf] User Guide<br>PXI-7841 Multifunction Reconfigurable I-O Module, PXI-7841, Multifunction Reconfigurable I-O Module, Reconfigurable I-O Module, I-O Module, Module |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## References

- [NI Engineer Ambitiously - NI](#)
- [NI Using Info Codes - NI](#)
- [NI Trade Compliance - NI](#)
- [NI National Instruments Patents - NI](#)
- [NI NI Trademarks and Logo Guidelines - NI](#)
- [AW PXI-7841 National Instruments Multifunction Reconfigurable I/O Module | Apex Waves](#)