
PXI-2543

Features

2025-03-20



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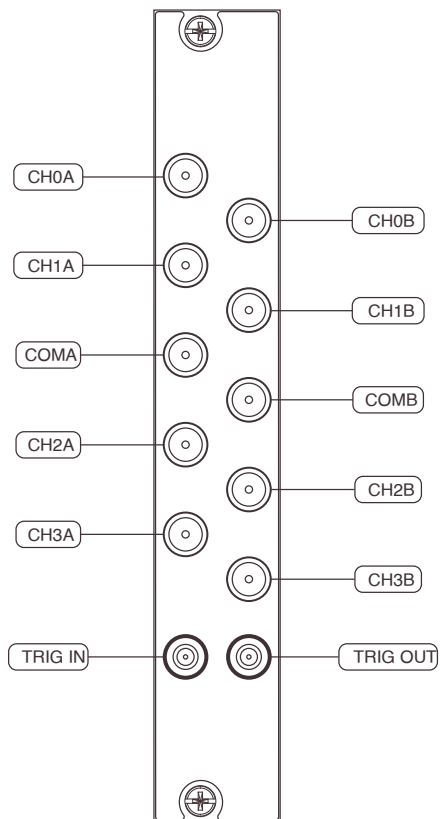
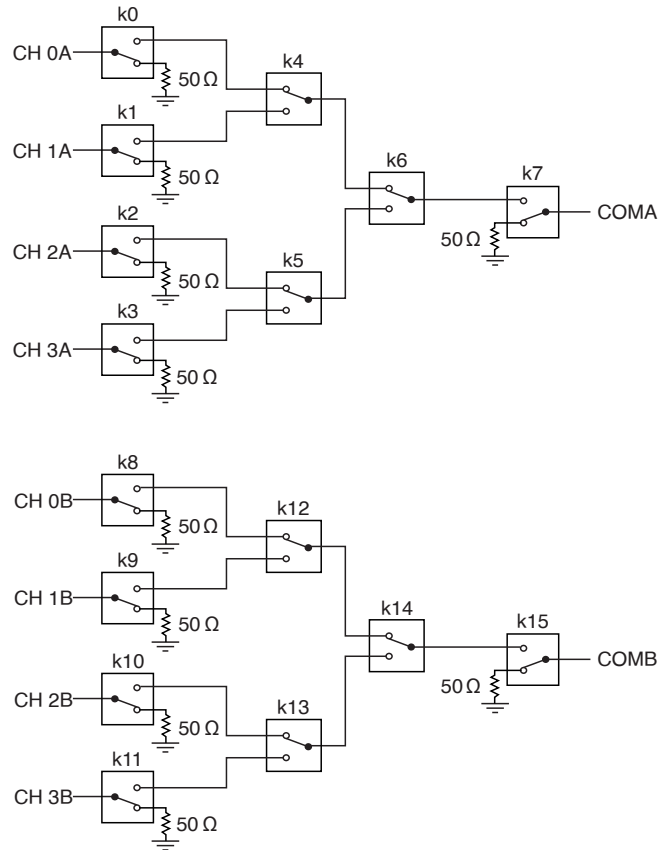


Table 1. Signal Descriptions

Signal	Description
CHx _A	Bank A signal connection
CHx _B	Bank B signal connection
COMx	Routing destination for channels on the corresponding bank
TRIG IN	Trigger input connection
TRIG OUT	Trigger output connection

PXI-2543 Hardware Diagram

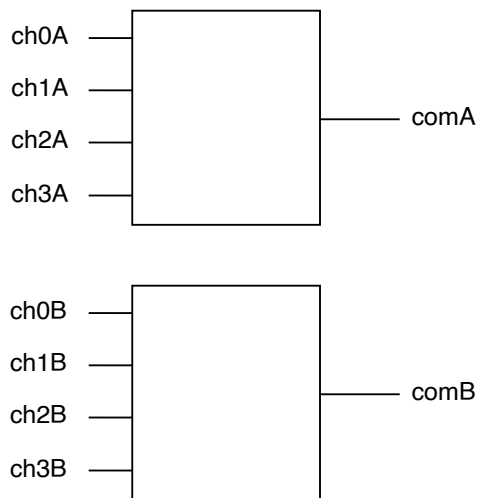
This figure shows the hardware diagram of the module.



PXI-2543 Topology

This figure describes the topology of the module.

Module software name: 2543/Dual 4x1 Terminated Mux
(NISWITCH_TOPOLOGY_2543_DUAL_4X1_TERMINATED_MUX)



Making a Connection

Call the `niSwitch Connect Channels VI` or the `niSwitch_Connect` function to connect channels in this topology. If applicable, you must call the `niSwitch Disconnect Channels VI` or the `niSwitch_Disconnect` function to disconnect an existing connection before you call the `niSwitch Connect Channels VI` or the `niSwitch_Connect` function.

The following sequence of tasks illustrates the VI/function calls necessary to make consecutive connections—one between CH 1A and COM A and the other between CH 2B and COM B:

1. Call the `niSwitch Connect Channels VI` or the `niSwitch_Connect` function with parameters `ch1A` and `comA`.
2. Call the `niSwitch Disconnect Channels VI` or the `niSwitch_Disconnect` function with parameters `ch1A` and `comA`.
3. Call the `niSwitch Connect Channels VI` or the `niSwitch_Connect` function with parameters `ch2B` and `comB`.

When scanning the module, a typical scan list entry might be `ch1A->comA;`. This entry routes the signal connected to CH 1A to COM A.