
PXI-2544

Features

2025-03-20



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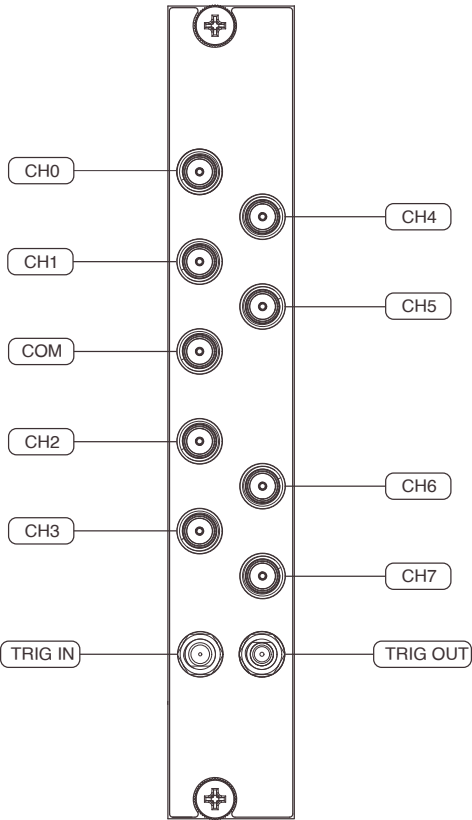
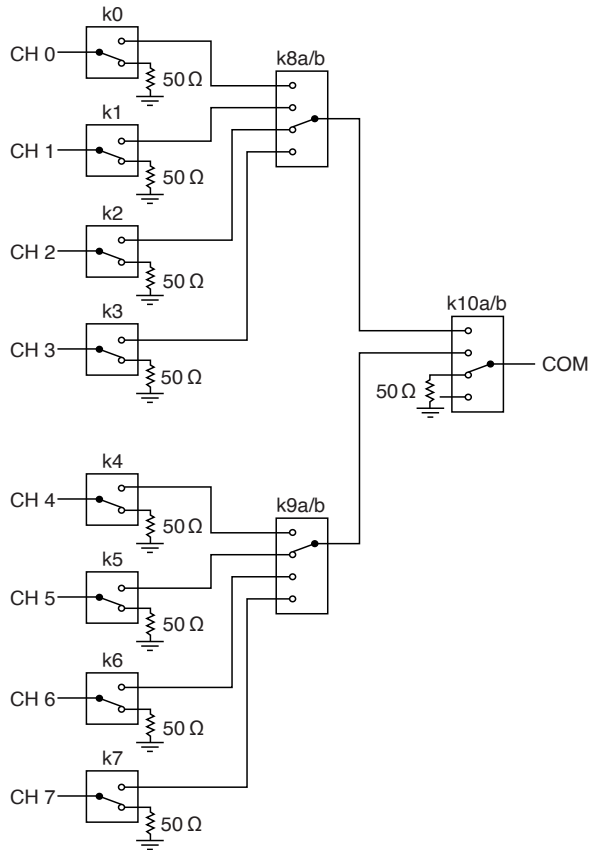


Table 1. Signal Descriptions

Signal	Description
CHx	Signal connection
COM	Routing destination for all channels
TRIG IN	Trigger input connection
TRIG OUT	Trigger output connection

PXI-2544 Hardware Diagram

This figure shows the hardware diagram of the module.

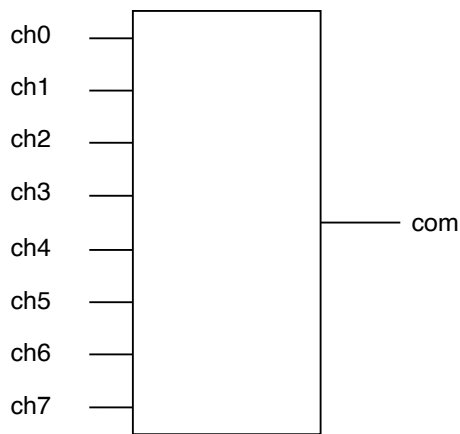


PXI-2544 Topology

This figure describes the topology of the module.

Module software name: 2544/8x1 Terminated Mux
(NISWITCH_TOPOLOGY_2544_8X1_TERMINATED_MUX)

8×1 Terminated Multiplexer (SP8T)



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 1 and COM and the other between CH 2 and COM:

1. Call the `niSwitch Connect Channels VI` or the `niSwitch_Connect` function with parameters `ch1` and `com`.
2. Call the `niSwitch Disconnect Channels VI` or the `niSwitch_Disconnect` function with parameters `ch1` and `com`.
3. Call the `niSwitch Connect Channels VI` or the `niSwitch_Connect` function with parameters `ch2` and `com`.

When scanning the module, a typical scan list entry might be `ch1->com;`. This entry routes the signal connected to CH 1 to COM.