
PXI-2596

Features

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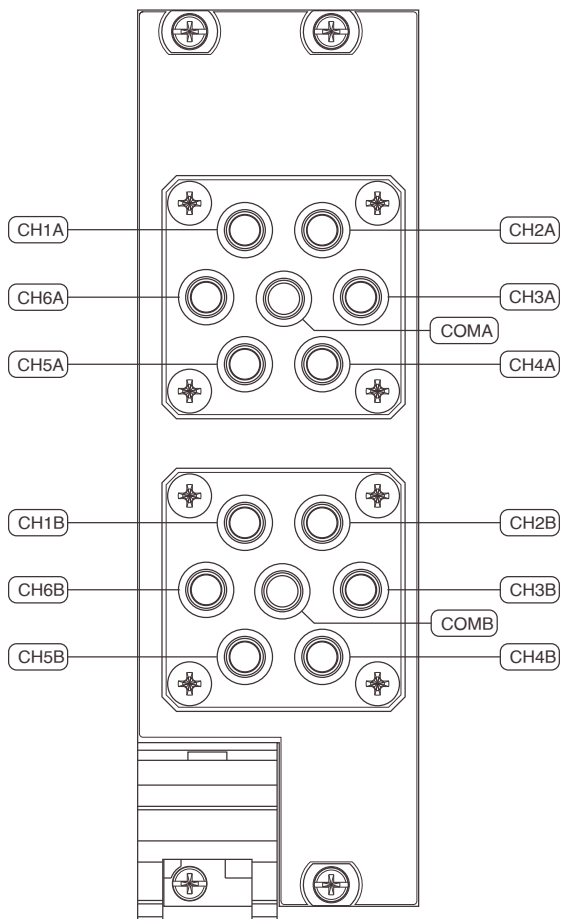
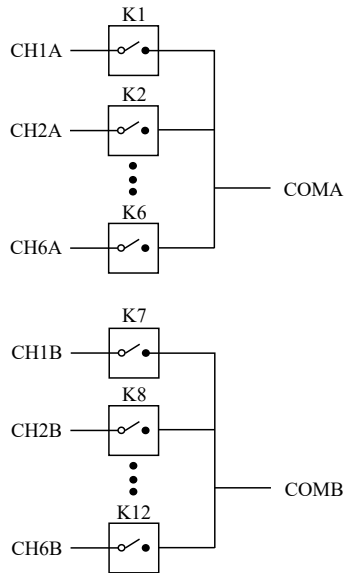


Table 1. Signal Descriptions

Signal	Description
CHxA	Bank A signal connection
CHxB	Bank B signal connection
COMx	Routing destination for channels on the corresponding bank

PXI-2596 Hardware Diagram

This figure shows the hardware diagram of the module.

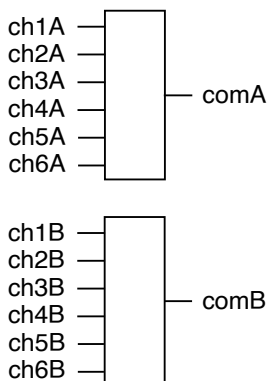


PXI-2596 Topology

This figure shows the topology of the module.

Module software name: 2596/Dual 6x1 Mux
(NISWITCH_TOPOLOGY_2596_DUAL_6X1_MUX)

Dual 6x1 Multiplexer



Making a Connection

In this topology, you can connect channels by calling the `niSwitch Connect Channels VI` or the `niSwitch_Connect` function.

To connect the CH n terminal to the COM x terminal, disconnect the previously connected terminal from the COM x .

For example, to connect `ch1A` to `comA`, call `niSwitch_Connect (vi, "ch1A", "comA")`. If you now want to connect `ch2A` to `comA`, first disconnect the existing connection. The sequence of calls for this task is as follows:

```
niSwitch_Disconnect (vi, "ch1A", "comA")
```

```
niSwitch_Connect (vi, "ch2A", "comA")
```



Note All channels are disconnected from COM when the module is in its power on state.

When scanning the module, a typical scan list entry could be `ch1A->comA;`. This entry routes the signal connected to CH1A to COMA.