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# PXI-2796

# Features

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2025-03-20

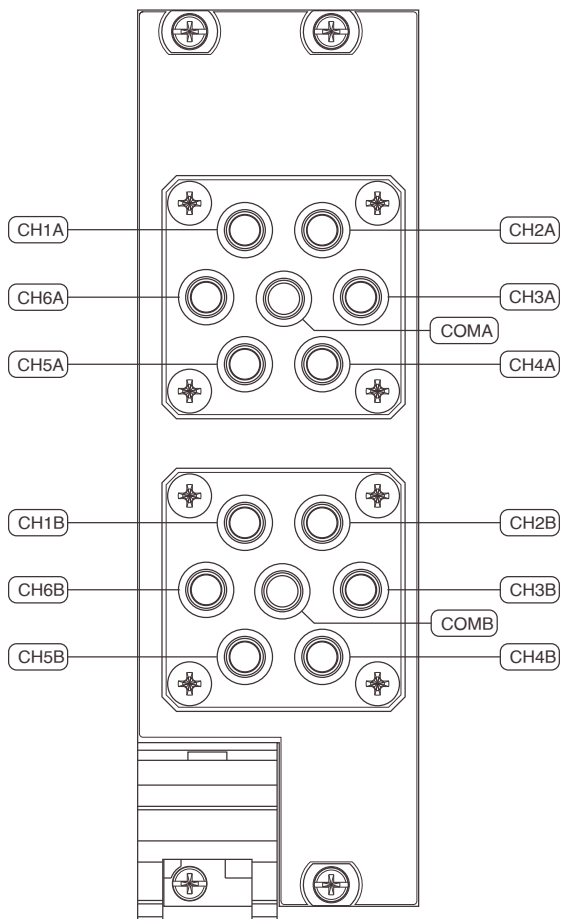


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# PXI-2796 Overview

## PXI-2796 Pinout

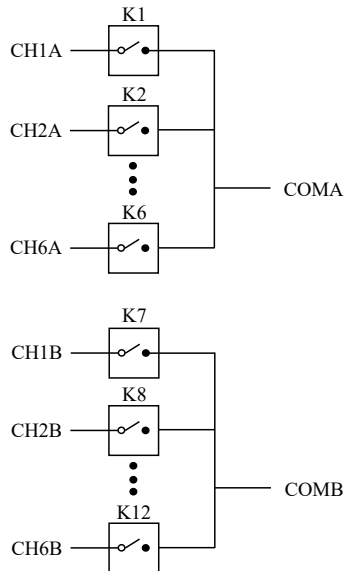


**Table 1.** Signal Descriptions

Signal	Description
CHx $\mathbf{A}$	Bank A signal connection
CHx $\mathbf{B}$	Bank B signal connection
COM $\mathbf{x}$	Routing destination for channels on the corresponding bank

# PXI-2796 Hardware Diagram

This figure shows the hardware diagram of the module.

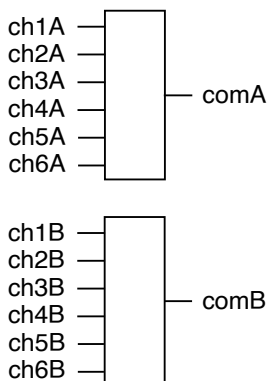


## PXI-2796 Topology

This figure shows the topology of the module.

Module software name: 2796/Dual 6x1 Mux  
(NISWITCH\_TOPOLOGY\_2796\_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.