PXI-2798 Features

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PXI-2798 Pinout
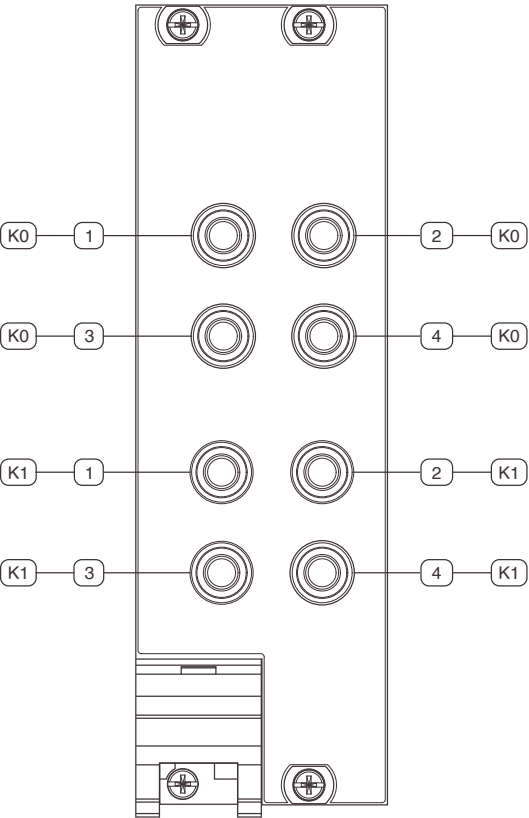
Table 1. Signal Descriptions

| Signal	Description
<1..4>	Signal connection
Kx	Relay

PXI-2798 Topology

Module software name: 2798/Dual Transfer
(NISWITCH_TOPOLOGY_2798_DUAL_TRANSFER)

The dual transfer switch topology of the module enables customers to insert and remove components in a high-frequency signal path. To insert the DUT, configure the transfer switch in its reset state. To remove the DUT, configure the transfer switch in its set state.

Dual Transfer Switch Topology
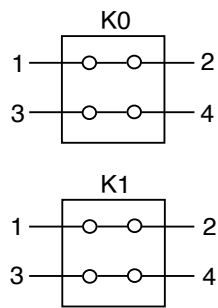
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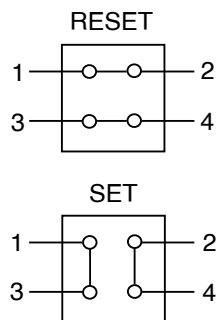
Making a Connection

You can control the channels using the niSwitch Connect Channels VI or the `niSwitch_Connect` function.

To set the transfer switch, disconnect the nc terminal from com, and connect no to com. For example, to set the transfer switch K0, use the following code:

```
niSwitch_Disconnect(vi, "nc0", "com0")
```

```
niSwitch_Connect(vi, "no0", "com0")
```

> ✎ **Note** To connect no to com you do not need to disconnect nc from com after the module has been reset or a call to the niSwitch Disconnect All Channels VI or the `niSwitch_DisconnectAll` function has been made.

> ✎ **Note** `niSwitch_Disconnect(vi, "nc0", "com0")` does not operate the relay until `niSwitch_Connect(vi, "no0", "com0")` is executed. Similarly, `niSwitch_Disconnect(vi, "no0", "com0")` does not operate the relay until `niSwitch_Connect(vi, "nc0", "com0")` is executed.

To reset the transfer switch, disconnect the no terminal from com, and connect nc to com. For example, to reset the transfer switch K0, use the following code:

```
niSwitch_Disconnect(vi, "no0", "com0")
```

```
niSwitch_Connect(vi, "nc0", "com0")
```

When scanning the module, a typical scan list entry could be `nc0->com0;`. This entry resets transfer switch K0.