Product Description

The 7026 provides a (1x32) 2-wire Matrix in a small space. This module provides the highest density general purpose switch, ideal for switching instrumentation and other general purpose switching applications. The 7026 has been designed with several exceptional features that make it stand out from competitive products.

◘ **3U Form Factor** – The 3U PXI format is the most popular PXI size, and is compatible with all brands of PXI approved products.

◘ **Software Re-configurable** – The 1x8 groups of relays are connected together with additional relays, allowing the board to be configured "on-the-fly" either during a test program, or between applications.

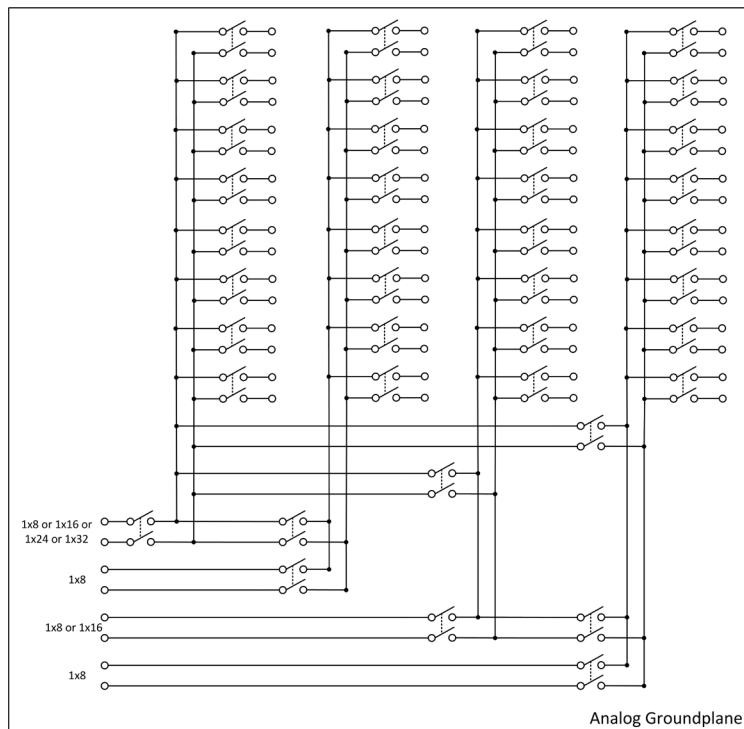◘ **Positronic Connectors** – Selected for high bandwidth and robust performance.

Capabilities

- **4(1X8) 2-wire Multiplexers**
- **Software Configurable as**
  - **4(1x8)**
  - **2(1x16)**
  - **1(1x24) & 1(1x8)**
  - **1(1x32)**
- **Bandwidth = 73MHz**
- **Voltage Max = 220VDC, 250VAC**
- **Current Max = 2A (switched)**

Recommended Uses

- **Instrument Switching** – Low Crosstalk and high Bandwidth makes this module ideal for Higher Frequency applications as well as General Purpose switching.

- **General Purpose Switching** – the ease of expansion using this module makes it ideal for all Mid Frequency switching applications.

Analog Groundplane

Specifications

◘ Electrical
- **Voltage Max =220VDC, 250VAC**
- **Current Max = 2A (switched)**
- **Max Power = 60W, 62.5VA**
- **Bandwidth = 73MHz**
- **Insertion Loss = -.15dB @ 10MHz**
- **Crosstalk = -42dB @ 10MHz**
                          -31 @ 50MHz
- **Life Expectancy = 500K cycles**
- **Contact Resistance < 60mΩ**
- **Connectors**
  - **J1 = Positronic SMPL44M0TOLB**
  - **J2 = Positronic SMPL50M0TOLB**

◘ Environmental
Temperature
- Operating 0° to 50°C
- Storage -40° to 75°C

Humidity (non-condensing)
- Operating 10 to 90%
- Storage 0 to 95%

◘ Mechanical
- 3U PXI
- Weight 0.5 lbs

- All ASCOR cards have built-in circuitry to verify both the control signal from the programming register, as well as verifying the relay coil is intact.

- All Switching modules feature built-in memory to maintain the service record of the unit with time stamping.

- All Modules carry a full 3 year Warranty

Ordering Information

Model #	Description	Manufacturer #
7027	4(1X8) 2-wire Multiplexers (Unshielded)	91000210
	Set of Mating connectors for one Module	89800860