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TECHNOLOGY GROUP

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so your equipment works exactly as you specify.

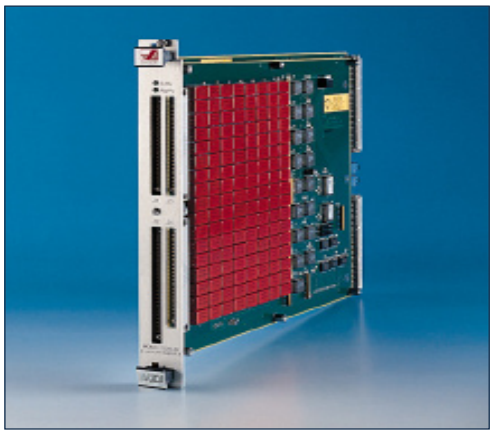
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Find the *Astronics / Giga-tronics / Ascor 3000-45* at our website: ***Click HERE***

Model 3000-45 (4X64) 2-WIRE MATRIX



Capabilities

- 4x64 Matrix (2-wire)
  Expandable in (4x32) increments
- Voltage Max = 220VDC, 200VACpk
- Current Max = 1.5A
- Power = 10 Watts
- Path Impedance 50Ω
- Bandwidth >70MHz
  (45 MHz version 3000-57)

Recommended Uses

- **Instrument Switching** – Low Crosstalk and high Bandwidth makes this module ideal for Higher Frequency applications such as Test Instrumentation.
- **General Purpose switching** – the ease of expansion using this module makes it ideal for all switching applications requiring bandwidth up to 500 MHz.

Low Cost GT-8300A 3U chassis with LAN and IEEE-488 Control

Product Description

The 3000-45 provides a 2-wire 4x64 Switching Matrix specifically designed to be compatible with Twisted Pair Cabling. This module provides both high Bandwidth and high Signal to Noise Ratio. The 3000-45 has been designed with several exceptional features that make it stand out from competitive products.

- **6U Form Factor –** the larger 6U form factor will accommodate 3-4 times the number of relays as 3U PXI products eliminating the need to build switching structures across boards decreasing Bandwidth.

- **Coaxially Shielded Reed Relays –**
  - Shielding allows a characteristic 50Ω impedance to be maintained, while dramatically increasing Noise Immunity.
  - Reed Relays are rated for >1Billion cycles vs 1M for standard Relays.
  - These relays use Ruthenium at the contact area in a hermetically sealed environment, making them ideal in "Dry" or "low Voltage" switching applications. Unlike, ordinary gold plated non-sealed relays which depend on switching arcs to keep contacts clean and will build up resistance in Dry switching applications.

- **Airborn Connectors –** Selected for improved Bandwidth specifications. Requires cables to be wired discretely. Consider 3000-47 or -52 for lower cost Dual Row Ribbon connectors.



www.gigatronics.com | inquiries@gigatronics.com
800.726.4442 (USA) | +1 925.328.4650 (International)

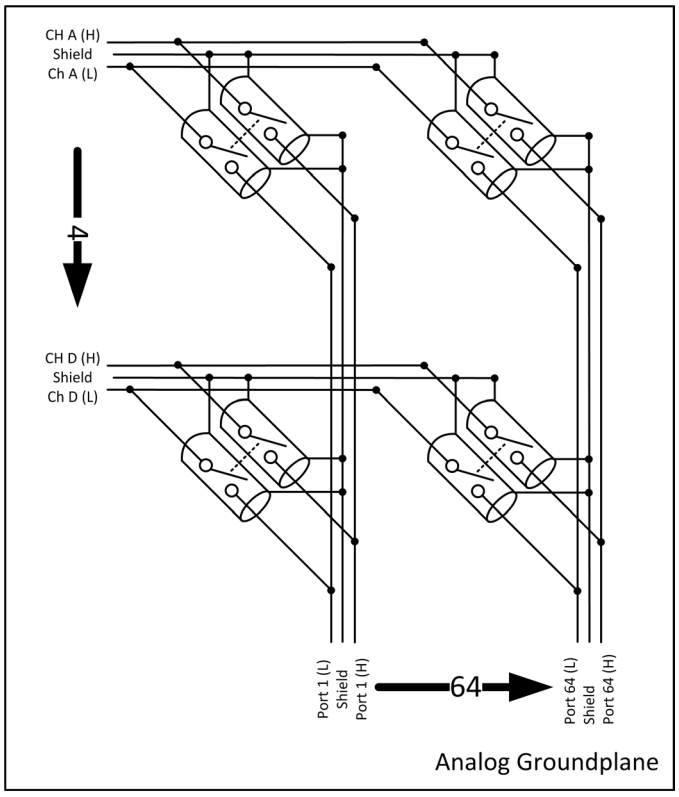
Giga-tronics ASCOR

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Model 3000-45

(4X64) 2-WIRE MATRIX



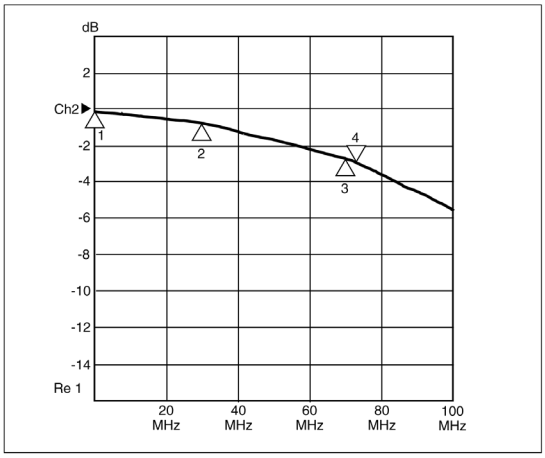
Specifications

- **Electrical**
  - **Voltage Max = 200VDC, 200VACpk**
  - **Current Max = 1.5A (carry)**
  - **Power Max = 10W**
  - **Path Impedance 50Ω**
  - **Bandwidth >70MHz**
  - **Crosstalk < -40dB (at 50MHz)**
- **Environmental**

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

  Humidity (non-condensing)
  - Operating 10 to 90%
  - Storage 0 to 95%
- **Mechanical**
  - "C" size VXI

- 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 #
3000-45	(4x64) 2wire Matrix, 70MHz (1-slot)	90400320
	Connector Kit for -45 card	89800150
3000-45B	(4x128) 2wire Matrix, 70MHz (2-slots)	90400790

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We buy equipment

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