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Find the *Astronics / Giga-tronics / Ascor 3000-52* at our website: ***Click HERE***

Model 3000-52

2(8X16) 2-WIRE MATRIX



Capabilities

- Configurable as;
  (1)8x32 or (2)8x16
- Voltage Max = 220VAC, 250VAC
- Current Max = 2A
- Power = 60 Watts
- Path Resistance <0.41 Ω
- Bandwidth >70MHz
  (90 MHz version 3000-47)

Product Description

The 3000-52 provides a Dual 2-wire 8x16 Switching Matrix specifically designed to be compatible with Twisted Pair Cabling. This module provides both high Bandwidth and high Signal to Noise Ratio. The 3000-52 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.

- **Analog Ground Plane –** A separate ground plane beneath the switches eliminates stray emissions, and since the Digital portion of the board has a separate ground plane, test signals will not affect the control circuitry.

- **Dual Row Connectors –** Selected to enable use of low cost Twisted Pair Ribbon cable. Connectors configured to allow simple matrix expansion with ribbon cable.

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 70MHz.

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



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

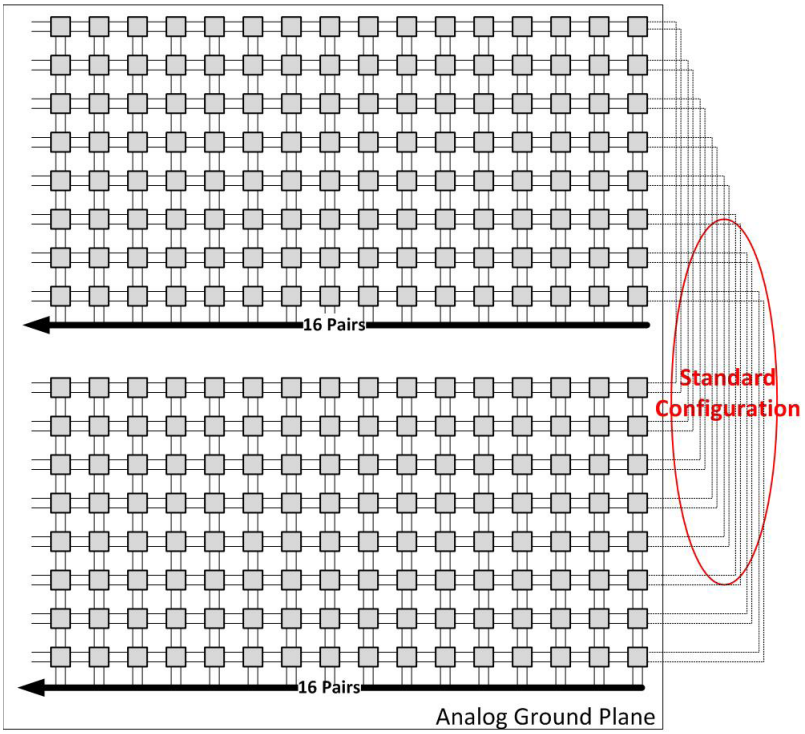
Giga-tronics ASCOR

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Model 3000-52

2(8X16) 2-WIRE MATRIX



- 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

Specifications

Electrical

- Voltage Max = 220VDC, 250VAC
- Current Max = 2A (switched)
- Power Max = 60W
- Path Resistance < 0.41Ω
- Bandwidth >70MHz
- Crosstalk < -52dB (at 50MHz)
- Isolation > -71dB

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

Ordering Information

Model #	Description	Manufacturer #
3000-52	(8x32) 2-wire Matrix, 70MHz, IDC connectors	90400810
3000-52 opt 1	2(8x16) 2-wire Matrix, IDC connectors	90400810-001
3000-52 opt 2	(8x32) 2-wire Matrix, Airborn connectors	90400810-002
3000-52 opt 3	2(8x16) 2-wire Matrix, Airborn connectors	90400810-003
3000-52 opt 4	2(8x16) 2-wire Matrix, IDC conn w/latches	90400810-101
	Set of Mating connectors for one Module	89800430
3000-52	VPC Funnel Adapter	89800430-001
3000-52	Set of Pigtail Cables for one Module 2'	89800430-002

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