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Find the *Astronics / Giga-tronics / Ascor 3000-42* at our website: ***Click HERE***

Model 3000-42

48 SPDT POWER SWITCH MODULE



Capabilities

- 48 SPDT
- Voltage Max = 250VAC, 110VDC
- Current Max = 5A (switched)
- Bandwidth = 50MHz

Product Description

The 3000-42 provides 48 SPDT Switches in a small space. This module provides the highest density general purpose switch, ideal for switching UUT Power as well as other current carrying signals. The 3000-42 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.
- **Discrete Component Mounting –** The 3000-42 has internal component mounting locations to allow components to be mounted in Parallel or in series with relay contacts. This makes the module extremely versatile as these points can be used to either re-configure the card, or to convert the module into a programmable component such as a programmable load.
- **Discrete Connectors –** Selected to allow the use of appropriate gauge wire for either current carrying capacity, or shielded wire for higher bandwidth applications.

Recommended Uses

- **Power Switching** – Low Crosstalk and high Bandwidth makes this module ideal for Higher Frequency applications such as Test Instrumentation as well as power switching and distribution applications.
- **General Purpose switching** – the ease of expansion using this module makes it ideal for all switching applications requiring bandwidth up to 50MHz.

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)

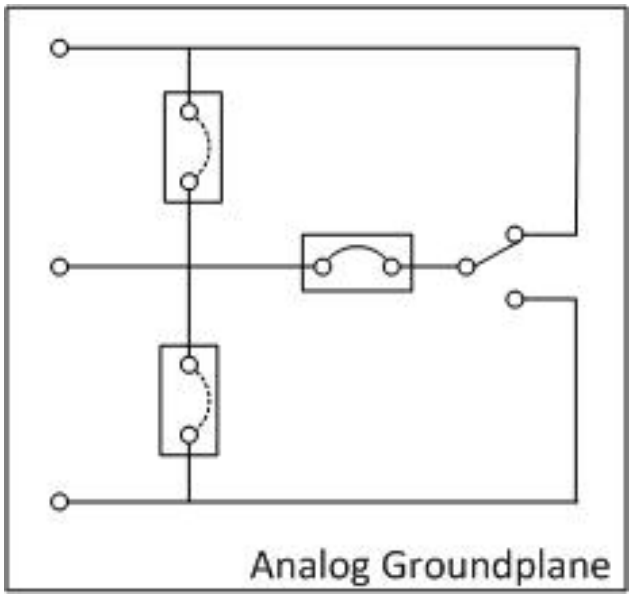
Giga-tronics ASCOR

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Model 3000-42

48 SPDT POWER SWITCH MODULE



- 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 =250VAC, 110VDC**
- **Current Max = 5A (switched)**
- **Power Max = 1250VA**
- **Contact Resistance <0.2Ω**
- **Bandwidth >50MHz**
- **Crosstalk**
  - **-62dB at 1MHz**
  - **-37dB at 10MHz**
  - **-26dB at 40MHz**

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 #
3000-42	48 SPDT Power Switch Module, 5A	90400710
	Set of Mating connectors for one Module	89800340
3000-42 Opt B	Digital cable 4'	89800340-004

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