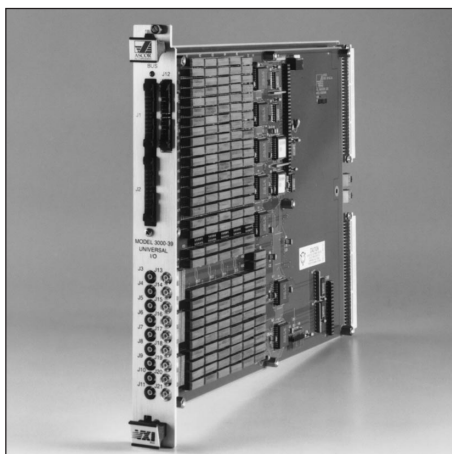


MODEL 3000-39

ASCOR Model 3000-39 Universal I/O VXI Switch Module



ASCOR's Model 3000-39 is an extremely high density Universal I/O Switch Module that comes in three configurations.

3000-39

- This is a "C" size, single slot VXI Module
- Six Star Coax Switches >700MHz Bandwidth
- Dual 3x10 instrument matrices >200 MHz Bandwidth
- Dual 8x10 I/O matrices >50MHz Bandwidth

3000-39A

- This is a "C" size, dual slot VXI Module
- Nine Star Coax Switches >700MHz Bandwidth
- Three 3x10 instrument matrices >200 MHz Bandwidth
- Three 8x10 I/O matrices >50MHz Bandwidth

3000-39B

- This is a "C" size, dual slot VXI Module
- Twelve Star Coax Switches >700 MHz Bandwidth
- Four 3x10 instrument matrices >200MHz Bandwidth
- Four 8x10 I/O matrices >50MHz Bandwidth

Optimum Flexibility and High Performance

ASCOR has designed a comprehensive family of pre-customized VXI Switching Modules – each tailored to minimize customer integration chores.

The Model 3000-39 is a highly flexible, general purpose switch module combining very high and low frequency matrices in one compact module. Each configuration of the 3000-39 features various numbers of the following elements:

- Very high frequency ports connected to coaxial star switches using SMB connectors for performance.
- Instrument I/O ports connected to high frequency 3x10 matrices.
- Universal I/O pins connected to 8x10 matrices.

All of these elements can simultaneously run in parallel, or a variety of switched configurations under program control.

High performance is maintained, despite the large number of elements, by employing isolation relays. The isolation relays prevent unused paths from loading active paths.

Unique Design For High Bandwidth, Low Noise

In addition to providing flexibility, ASCOR's Model 3000-39's unique high density design ensures maximum bandwidth and signal to noise ratio by using individually shielded relays, a controlled 50 Ω path, and separate analog ground plane.

The module is carefully designed to maintain impedance, so as not to degrade frequency response. The shielded relays and separate analog ground plane minimize crosstalk and protect against induced noise from outside sources.



ASCOR
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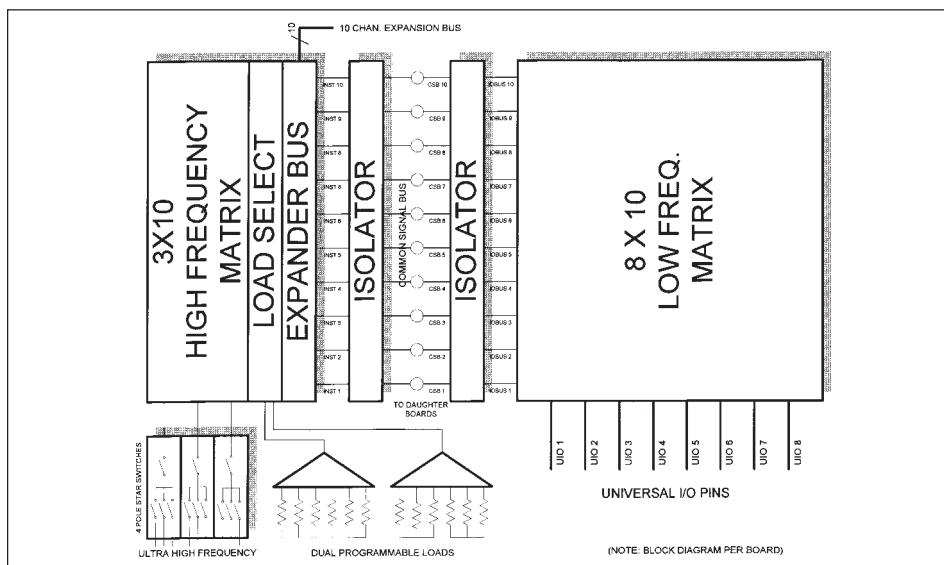
A Giga-tronics Company

MODEL 3000-39

ASCOR Model 3000-39 Universal I/O VXI Switch Module



The Model 3000-39 combines high and low frequency matrices in a highly flexible, general purpose switch module.



The Model 3000-39 features multiple discrete paths that can be fully isolated for running in parallel, or that can be switched in various combinations.

Self Testing

Like all ASCOR VXI Modules, the Model 3000-39 incorporates internal self test hardware which provides the ability to test, read back and verify the integrity of the relay control circuitry.

All ASCOR VXI Modules also feature a unique built-in service record, for tracking repairs to the Module by time and date the repair was actually performed.

ASCOR also provides a 3 year limited warranty on all ASCOR VXI Modules.

Quiet Ideas. Powerful Solutions.

ASCOR, founded in 1987 and headquartered in California's Silicon Valley, provides a complete line of VXI Switching and Digital Modules for industrial, medical, scientific and governmental automatic test applications. ASCOR VXI products are the quietest, cleanest, highest density VXI modules commercially available.

Specifications

- Model 3000-39 VXI module, "C" size, single slot
- Model 3000-39A & B VXI module, "C" size, dual slot
- Programming is register based **VXIplug&play**
- VXI Power (typical):
+ 5 volts @ 5.09 Amps (max.)
- Electrical
 - Maximum Switching Voltage 200 VDC
 - Maximum Switching Current 0.5 Amps
 - Maximum Switching Power 10 Watts
- Bandwidth Star Switch >700Mhz
- Bandwidth 3x10 Matrices >200Mhz
- Bandwidth 8x10 Matrices >50Mhz
- Crosstalk -50 dB @ 100Khz
- Environmental Specification
 - Temperature
 - Operating 0 to 55 degrees C
 - Storage -40 to 75 degrees C
 - Relative Humidity
 - Operating 10 to 90% non-condensing
 - Storage 0 to 95% non-condensing

Protecting Your Investment With VXIMAX™ 16/32

To address tomorrow's applications, requiring even greater capabilities, ASCOR's 3000-39 supports either 16-bit or 32-bit data bus paths through its VXIMAX 16/32 VXIbus interface.

3000-39 customers can upgrade to 32-bit from 16-bit with VXIMAX's field upgradability.

CE The CE Mark indicates that the product has completed and passed rigorous testing in the area of RF Emissions, Immunity to Electromagnetic Disturbances and complies with European electrical safety standards.

Ordering Information:

- ASCOR 3000-39 -VXI Module with universal I/O
- Installation Kit (includes hardware to mate with one module) PN: 89000170.

Representative Information:



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