VME64x Test/Development: Model 8915

Dawn VME Products®

Another Performance Design from the Team at Dawn

VME64x Test Extender Board

Lifetime Warranty

Without J0 Connectors

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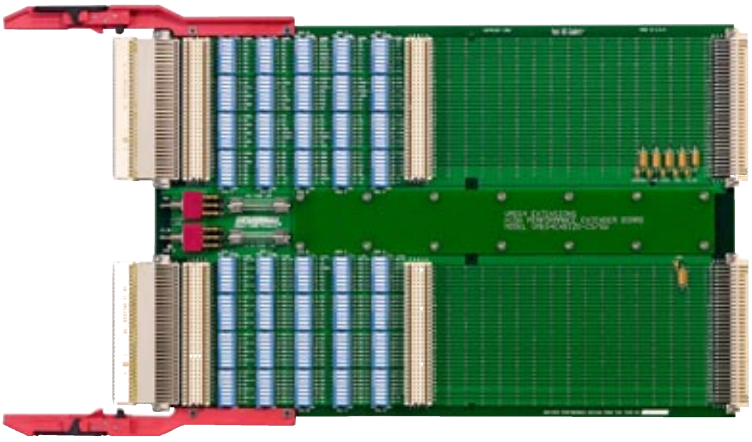
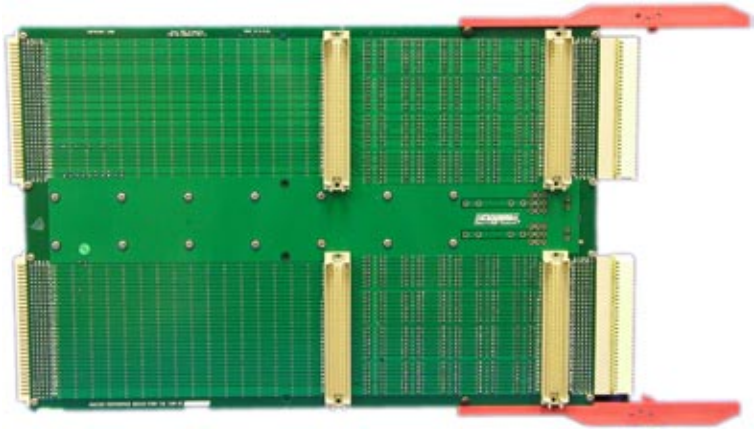
Features

- Lifetime Warranty
- ANSI/VITA 1997 1.1 compatible
- Monolithic J1J2 VME64x test extender
- Signal, power and ground pins per VME64x specifications
- Any and all signal lines are switch interruptible
- Fused power feed to the extended DUT board (optional)
- +3.3VDC or +5VDC can be switched on/off with a single switch (optional)
- 2 oz copper power and ground planes minimize voltage drop
- Optimal signal integrity using Dawn-originated balanced and matched impedance transmission line design; power/ground plane and ground fill isolation provides minimal crosstalk
- Accommodation for logic analyzer test probes before and after signal interrupt switches
- High quality, rugged inject/eject card guide handles that securely affix the board under test

Front Side of Extender



Rear Side of Extender



Overview

Dawn VME Products created the industry's first "VME64x" extender board. As a leader in test/development and backplanes to the VME, VME64x and CompactPCI industry, Dawn incorporated its proprietary microstrip/stripline technology into all of its extender boards, resulting in optimum signal integrity and reduced crosstalk noise.

Another feature found in all of Dawn's test extender boards and backplanes is the use of heavy power and ground planes. The benefit is additional signal shielding while virtually eliminating voltage drops. **Model 8915** also features DIP switches on every signal line so that J1/J2 pins can be individually interrupted for easier test/development. An optional power interrupt feature utilizing a single switch enhances safety and ease of test. Finally, **Model 8915** features inject/eject card guide handles to fasten the DUT board during test.

Technical Specifications

Mechanical

Compatibility: ANSI/VITA 1997 1.1 and IEEE P1014

PCB Material: FR4 and fully compliant with IPC-4101/26

PCB Design Construction: High-performance, 7-layer microstrip/stripline

Power and Ground Planes: 2 oz copper

Signal Plane: 1 oz copper

Weight: 1.7 oz

Environmental

Storage Temperature: -20°C to +85°C

Operating Temperature: 0°C to +50°C

Humidity: <95% non-condensing

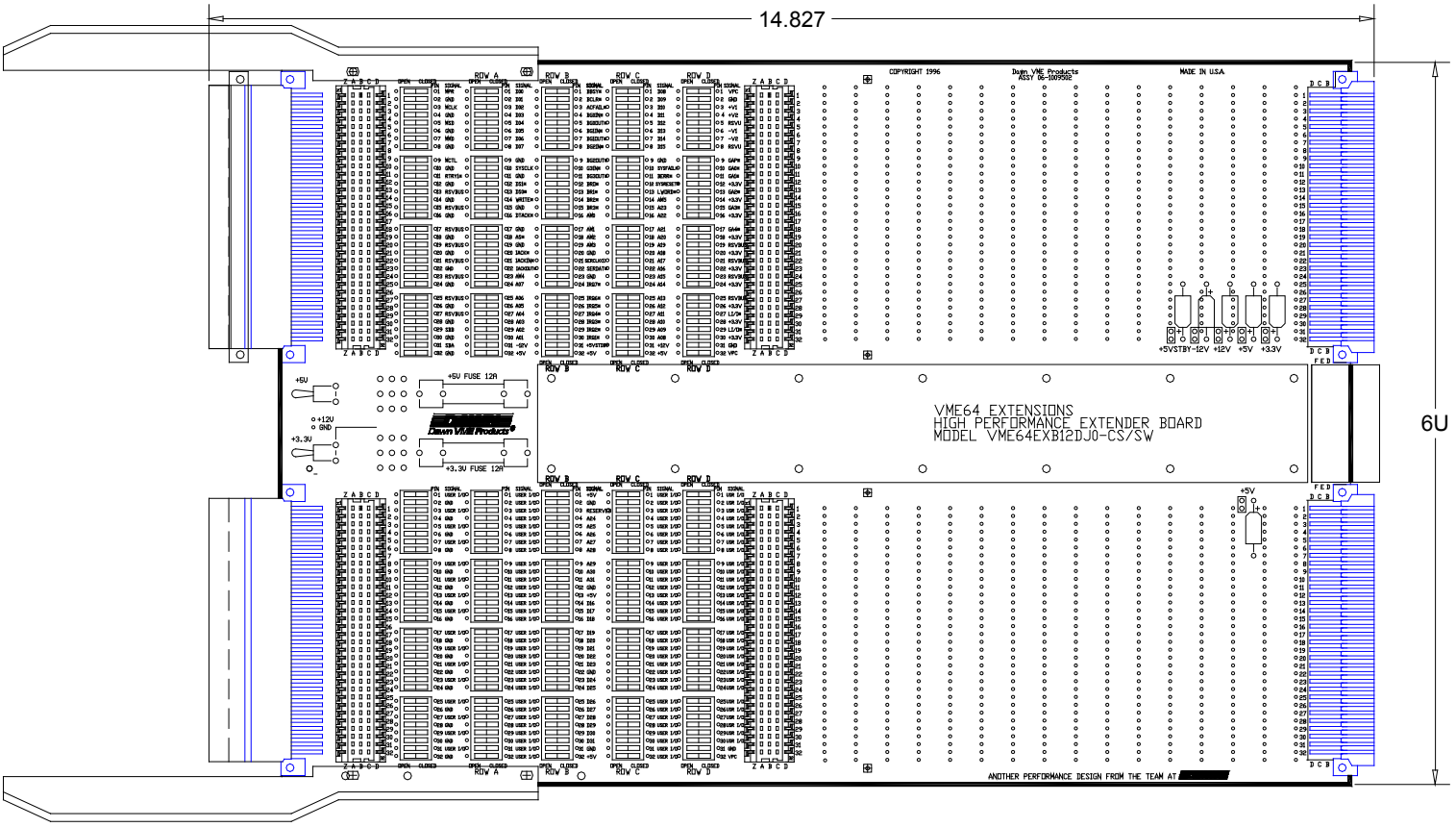
MTBF: >300,000 hr operating at +40°C

VMEbus Technology

Ordering Information

Ordering Numbers:	06-1008915	No Switches and No Fuses
	06-1008915-1110	Switches and Fuses Installed

Front Side of Extender Board



Additional VME64x Products from Dawn:

- System Development Enclosures
- Powered Enclosures for Production
  - Rackmount
  - Benchtop/Tabletop
  - Portable
- Test Extender Boards
- Monolithic Backplanes
- Front Filler Panel Kits
- System Health Monitor Kit

Executive Member of the VITA Organization

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