

# VME64x Universal Test Extender

With J0 Connectors

## Features

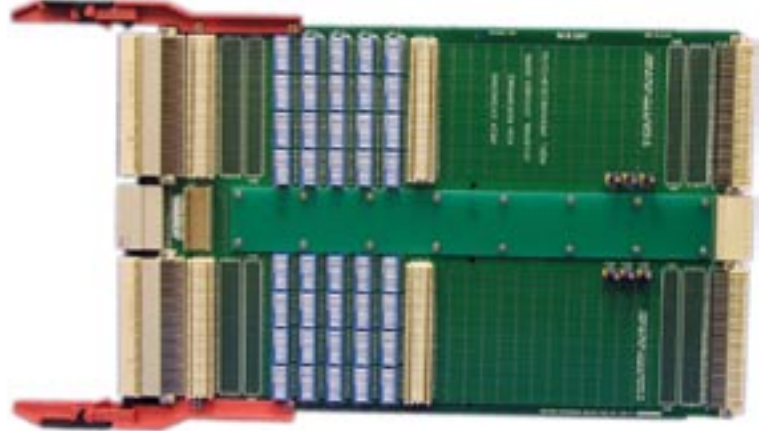
- ◆ ANSI/VITA 1997 1.1 compatible
- ◆ Monolithic J1J0J2 VME64x universal test extender
- ◆ All J1, J0 and J2 pins are bussed
- ◆ Any and all J1 and J2 lines are switch interruptible
- ◆ User can tie any J1/J2 pin to any of four voltage planes for power and ground assignment
- ◆ 2 oz copper power and ground planes reduce voltage drop
- ◆ Optimal signal integrity using Dawn-originated balanced and matched impedance transmission line design; power/ground plane isolation provides minimal crosstalk
- ◆ Accommodation for logic analyzer test probes before and after signal interrupt switches
- ◆ Accommodation for test probes at J0 connectors
- ◆ High quality, rugged inject/eject card guide handles that securely affix the board under test

## Overview

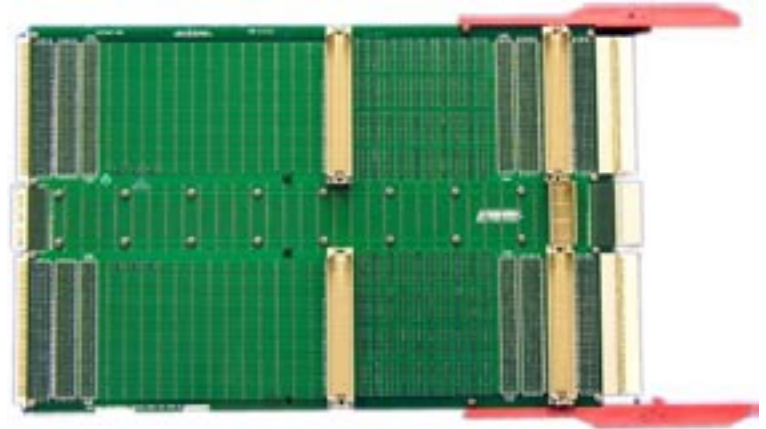
Dawn VME Products created the industry's first "VME64x" universal extender board with J0 connectors. As a leader in test/development and backplanes to the VME, VME64x and CompactPCI industry, Dawn's extender boards incorporate microstrip/stripline design technology, resulting in optimum signal integrity and reduced crosstalk noise.

Another common design 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 715** also features DIP switches on every signal line so that J1/J2 pins can be individually interrupted for easier test/development. Finally, **Model 715** includes heavy-duty inject/eject card guide handles to fasten the DUT board during test.

## Front Side of Extender



## Rear Side of Extender



## 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, 9-layer microstrip/stripline

**Power and Ground Planes:** 2 oz copper

**Signal Plane:** 1 oz copper

**Weight:** 4 oz

### Environmental

**Storage Temperature:** -20°C to +85°C

**Operating Temperature:** 0°C to +50°C

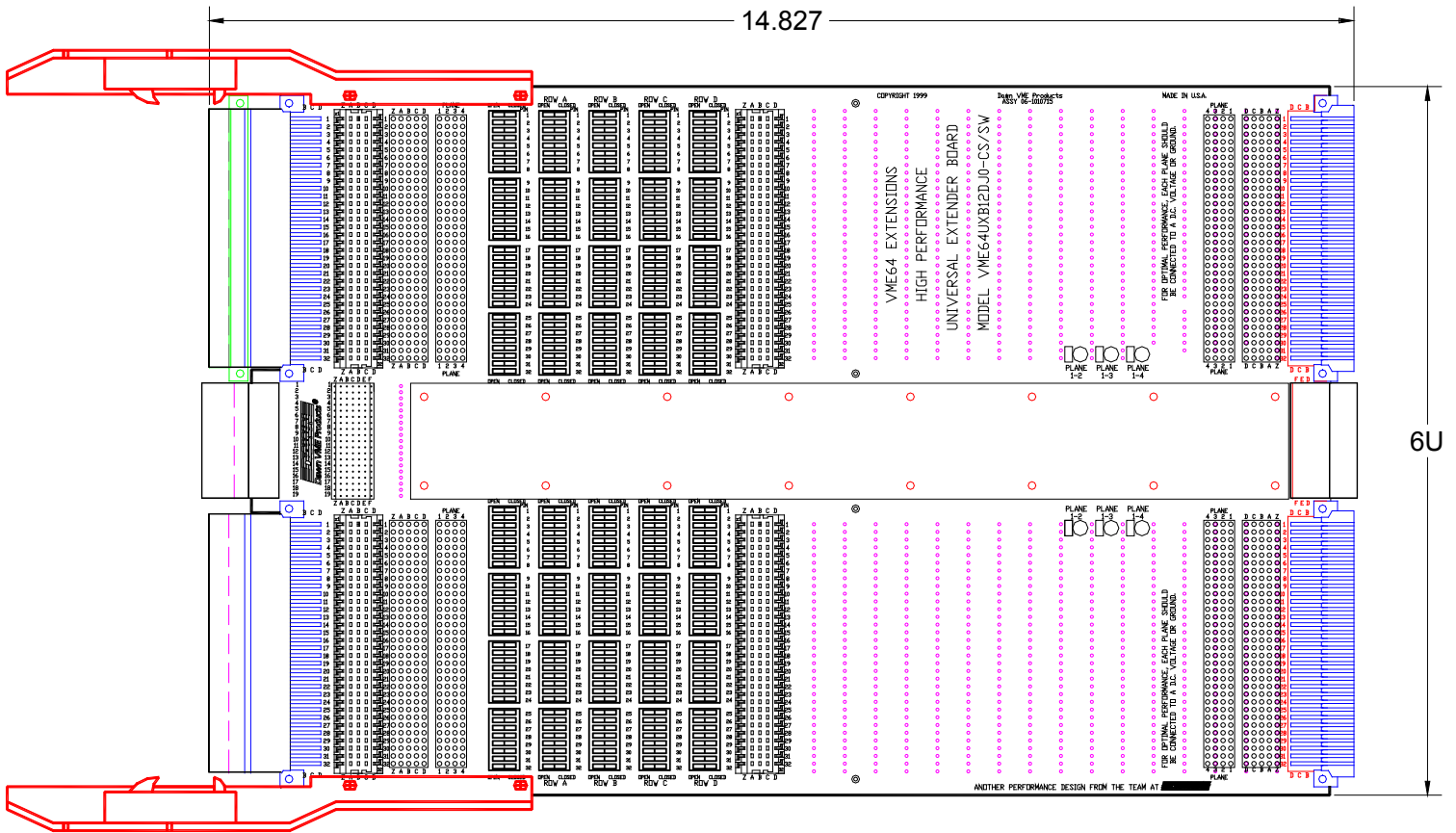
**Humidity:** <95% non-condensing

**MTBF:** >300,000 hr operating at +40°C

# Ordering Information

Ordering Number: 06-1010715

## Front Side of Extender Board



## Additional VME64x Products from Dawn:

- ◆ Development Enclosures
- ◆ Powered Enclosures
- ◆ Test Extender Boards
- ◆ Monolithic Backplanes
- ◆ Front Filler Panel Kits
- ◆ System Health Monitor Kit
- ◆ Overlay Products

Executive Member of the  
VITA Organization

