

# VMEbus Test Extender Board

"J1" and "J2" Connectors Installed

## Features

- ◆ 0.062-inch thick printed wiring board
- ◆ DIN class 2 connectors are standard
- ◆ High-performance, 5-layer, low noise balanced and controlled impedance hybrid stripline/microstrip design
- ◆ Provides very clean power and ground distribution
- ◆ Power and Ground pin assignments are in accordance with the VMEbus specification
- ◆ Quality extender guides with ejectors simplify board removal
- ◆ Connectors provided for logic analyzer attachment and terminator module installation
- ◆ Ideal for 160mm card cage applications where DIP switches are not required.

## Overview

**Model 4072** is a lower cost version of Dawn's highly popular Model 3131 VMEbus test/extender board. The main differences between the two models are that **Model 4072** provides decoupling capacitors but does not offer DIP switches.

Consistent with most of Dawn's VMEbus and VME64x test/extender boards, **Model 4072** features a 0.062-inch thick PCB and 2-oz. copper planes. Together, these design attributes provide the same high performance power distribution and balanced, controlled impedance environment as our other popular test/extender boards and backplanes. Another feature offered by **Model 4072** is its exclusive use of DIN class 2 connectors

This model serves as a trouble-shooting tool by reliably extending the board under test out of a 160mm card cage. A carefully designed power and ground system, which includes decoupling capacitors, provides optimal power distribution for high performance VMEbus applications. Power and Ground pin assignments are in accordance with the VMEbus specifications.

Reliable guides with ejectors simplify DUT board insertion and extraction. In addition to P1, P2, J1, and J2 connectors, additional connectors are provided for logic analyzer attachment and terminator module installation.



## Technical Specifications

### Mechanical

**Compatibility:** VMEbus specification IEEE-1014-1987

**PCB Material:** FR4 and fully compliant with IPC-4101/24

**PCB Design Construction:** High-performance multilayer microstrip/stripline

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

**Signal Plane:** 1 oz copper

**Weight:** 0.85 lb (385.6g)

### Environmental

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

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

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

**MTBF:** >750,000 hr operating at +40°C

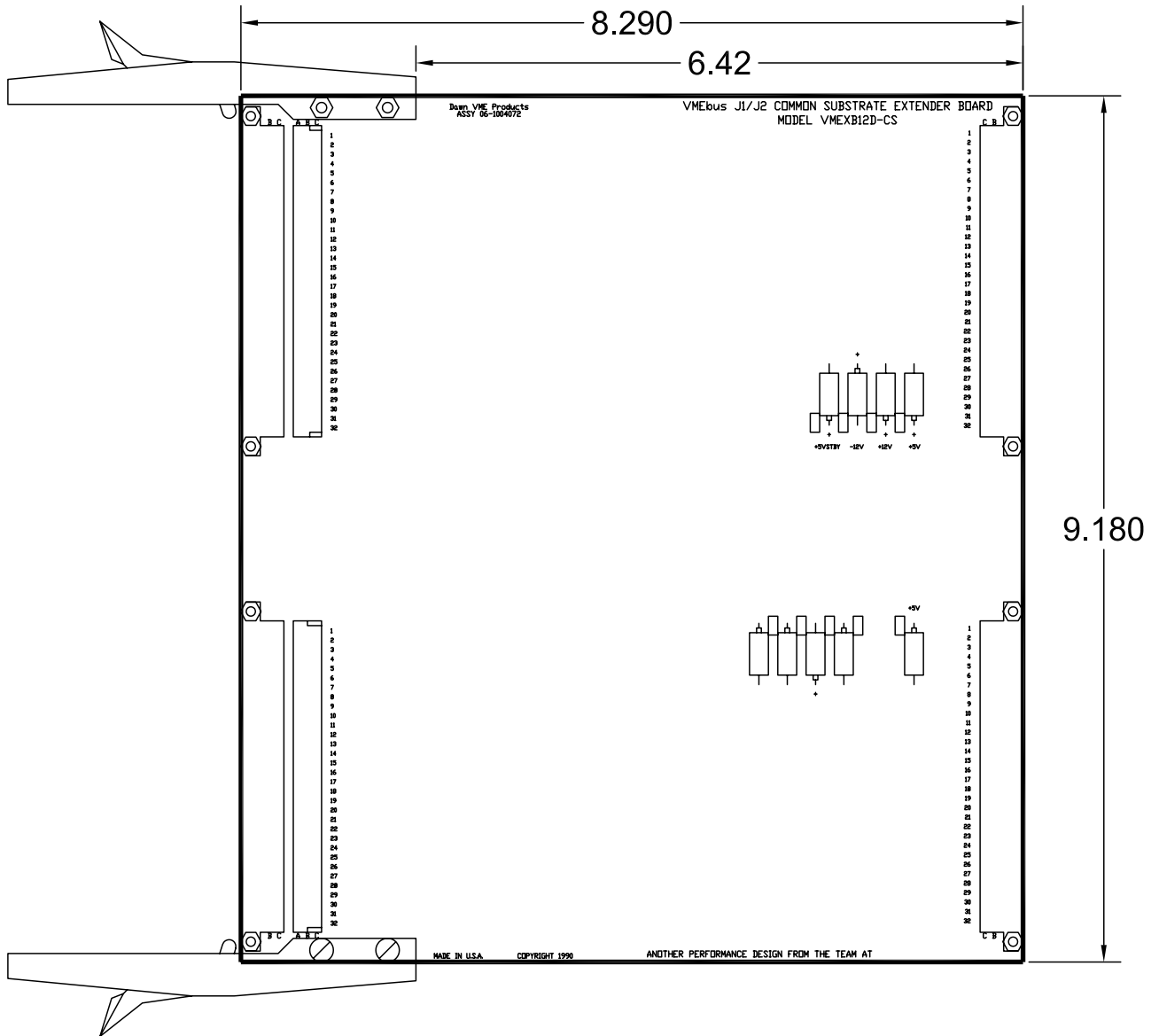
## Additional Products from Dawn

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

# Ordering Information

Ordering Number: 06-1004072

## Front Side of Extender Board



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