

VMEbus 240mm Test Extender Board

"J1" and "J2" Connectors Installed on Monolithic PCB

Features

- ◆ 6U x 240mm VMEbus Test Extender
- ◆ Ideal for a 160mm card cage application
- ◆ 3-row DIN41612 Class II connectors - standard
- ◆ High-performance multilayer, low noise-balanced, controlled impedance PCB featuring Dawn's hybrid microstrip/stripline design
- ◆ PCB is 0.062" thick and complies with MIL-P-13949
- ◆ 2-oz copper power and ground planes
- ◆ 1-oz copper signal planes
- ◆ Signal, Power and Ground pin assignments are in accordance with the VMEbus specification
- ◆ High quality extender guides with device-under-test (DUT) board ejectors simplify board removal

Overview

Dawn VME Products was among the industry's first supplier to offer a family of VMEbus test/extender boards. Today, **Model 254** continues to be one of Dawn's best-selling VMEbus test/extender boards.

Model 254's length - 240mm - is specifically designed for 160mm card cages. Dawn's engineers incorporated its unique balanced and impedance-matched technology into to PCB to ensure signal integrity from backplane to DUT board. The connectors used in this product are the more reliable DIN Class II connectors, which provide a much longer service life. Finally, the ejector system contained in the guides make DUT board removal simple, fast and safe.

For 160mm card cages, **Model 254** offers the industry's best overall value: enhanced technical performance at a competitive price.

Front Side of Extender



Technical Specifications

Mechanical

Compatibility: VMEbus specification IEEE-1014-1987

PCB Material: High-temp FR-406 and fully compliant with IPC-4101/26

PCB Design Construction: High-performance multilayer microstrip/stripline

Power and Ground Planes: 2 oz copper

Signal Plane: 1 oz copper

Weight: 0.75 lb

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

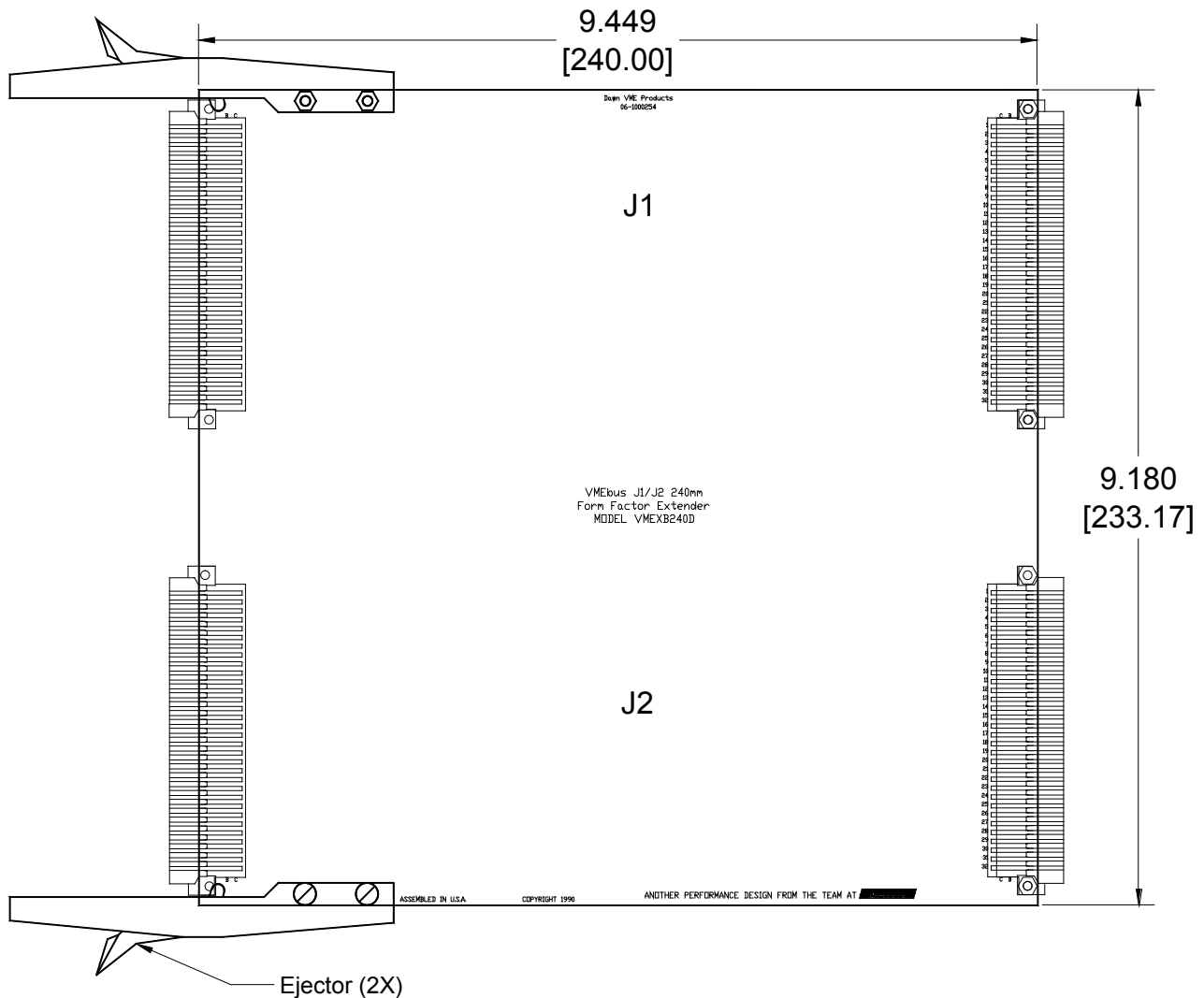
Executive Member of the VITA Organization



Ordering Information

Ordering Number: 06-1000254

Front Side of Extender Board



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