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Find the *Dawn VME EXB-9425* at our website: ***Click HERE***

VME Test/Development: Model 3131

VMEbus Test Extender Board

"J1" and "J2" Connectors Installed

Features

- Ideal for 160mm and 220mm card cage applications where signal interrupt switches are required
- 3-row DIN41612 Class II connectors - standard
- High-performance 5-layer, low noise-balanced, controlled impedance PCB featuring Dawn's hybrid microstrip/ stripline design
- PCB is 0.062" thick per 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
- Connectors are provided on both sides of the DIP switches to facilitate probing with a logic analyzer and to install termination modules
- High quality extender guides come standard with ejectors

Overview

Dawn VME Products created the industry's first VMEbus test/extender board in the 1980's. Today, the model featured in this data sheet - **Model 3131** - continues to provide excellent troubleshooting capability, and continues to be Dawn's best-selling VMEbus test/extender board.

Model 3131 offers many features not commonly found on competitors" models. High-performance DIP switches are provided to allow interruption of any signal, power or ground line, perfect for troubleshooting device-under-test (DUT) boards. In designing the PCB, Dawn utilizes its unique balanced and impedance-matched technology 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.

In all, **Model 3131** offers superior 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: 1.5 lb

Environmental

Storage Temperature: -20ºC to +85ºC

Operating Temperature: 0ºC to +50ºC

Humidity: <95% non-condensing

MTBF: >300,000 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
- Overlay Products

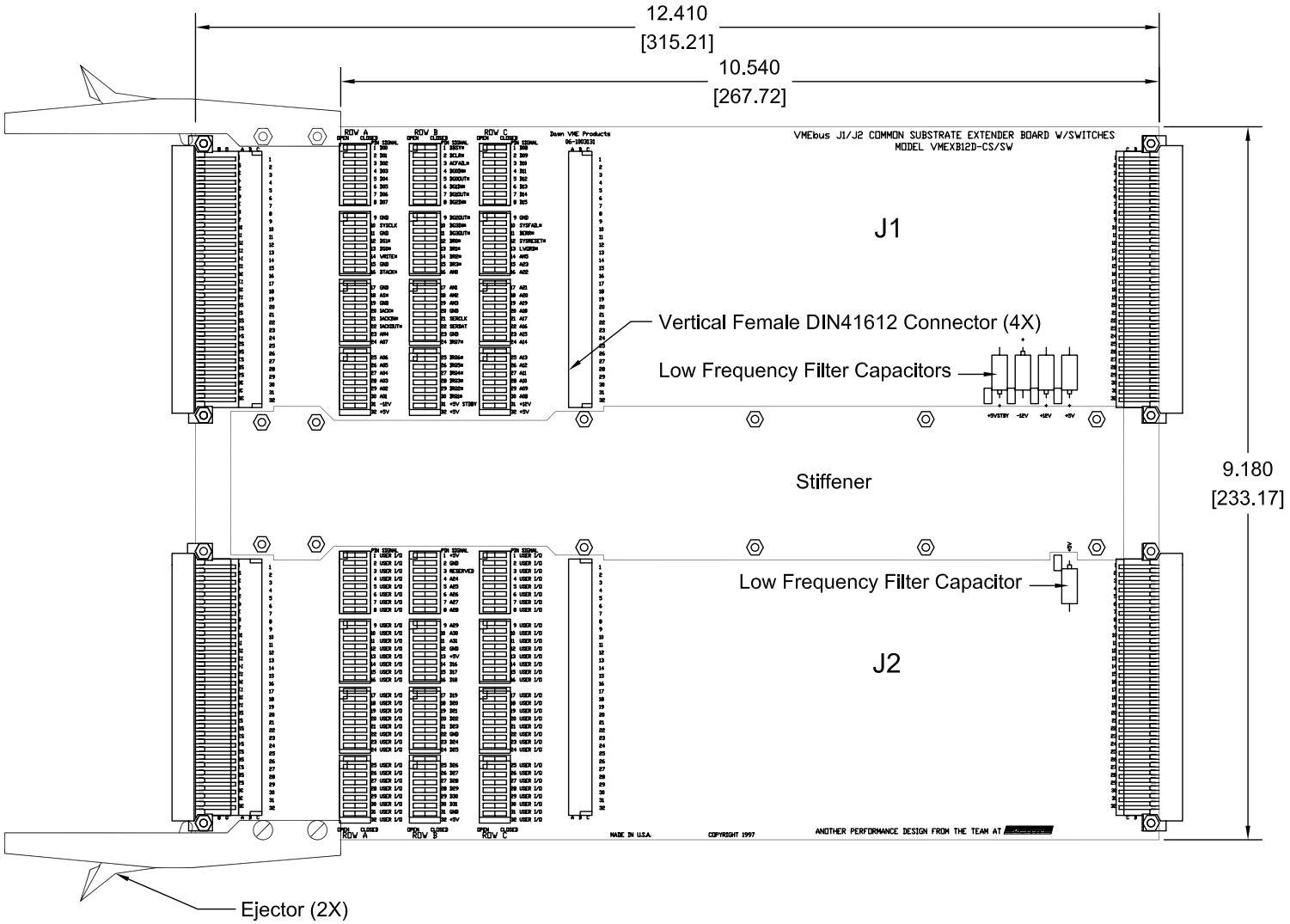
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Ordering Information

Ordering Number: 06-1003131

Front Side of Extender Board



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