ELMA Backplanes

VME Test Extender
ANSI/ VITA 1-1994 compliant

ELMA Your Solution Partner

Description

All models of our VMEbus high performance J1, or J2, or J3 extender boards extend all 96 signals, including power and ground per the ANSI/VITA 1-1994 specification.

The VME extender boards are designed to bring a circuit card completely out of a card cage or enclosure so that it can be tested or debugged. This provides access to both sides of the test board. There are test points for all of the lines on each 96-pin connector. Each signal, power, and ground line can be individually isolated with the DIP switches. The VME extender board accommodates use in 3U x 220mm to 12U x 400mm chassis.

The extenders utilize an 8-layer stripline design, providing balanced and optimal impedance. Elma's test extenders are designed to maximize performance, minimize noise and give the customer the most reliable, cost-effective products possible. The rugged card guide handles securely hold the test board, ensuring a reliable connection.

Features

- Designed to meet mechanical and electrical connection requirements of ANSI/ VITA 1-1994 and IEEE P1014 specifications
- Assembled from 3U segments - VME J1, VME J2, or 96-pin universal modules plane
- Test points for all of the lines on each 96-pin connector
- All J1, J2, and J3 connector pins can be individually switch isolated
- Designed for use in 160mm, 220mm, 340mm, 400mm chassis
- Rugged inject/eject card guide handles

Board Specifications

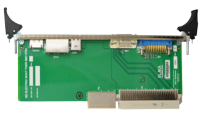
- 8-layer stripline design
- PCB UL recognized 94-V0
- PCB FR-4 or equivalent
- PCB .062" thick

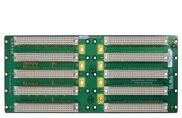
Mechanical Specifications

Can be assembled in any combination to make 3U, 6U, 9U, or 12U configurations 220mm, 400mm long

Applications and Related Products

- Highly integrated applications such as:
- Integrated display processing, mission management and navigational control for avionics systems
- Industrial monitoring, medical equipment, and night-vision systems requiring enhanced graphics capabilities
- Shipboard systems for target tracking and high definition displays
- Applications requiring a mix of I/O options, high compute density and enhanced graphics





- Rear Transition Modules for I/O
- Standard and custom VME backplanes
- Rackmount, desktop and ATR chassis platforms
- Embedded Computing Boards & Systems
- Ruggedization programs

VME/VME64x

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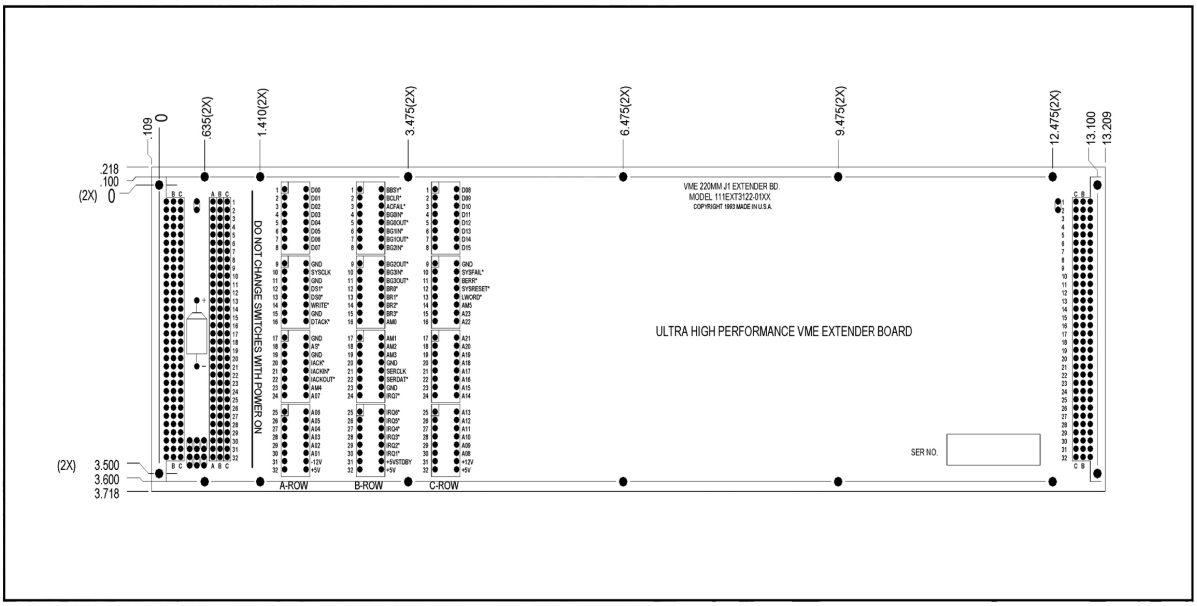
Line Drawing



Order Information

Height	Length	Part Number
3U	220mm	111EXT3122
6U	220mm	111EXT6122
9U	220mm	1111EXT9122
3U	440mm	111EXT3140
6U	440mm	111EXT6140
9U	440mm	111EXT9140