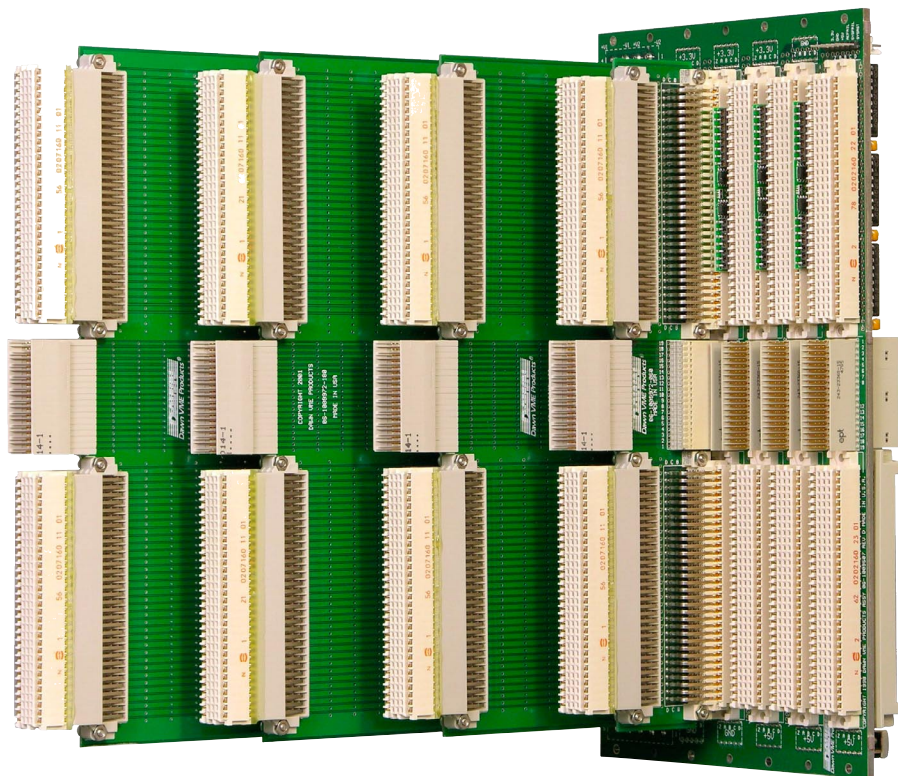


VME64x Form-Factor Extender Boards

60mm ~ 240mm Lengths with "J0" Connectors

Features

- ◆ Allows smaller boards to be installed into deeper card slots
- ◆ 0.062-inch thick compliant with MIL-PRF-13949/IPC-4101
- ◆ IEC 1076-4-XXX connectors are standard
- ◆ Each board is shipped with retainer clips to securely fasten the Form-Factor Extender Board to the board being extended
- ◆ 60mm, 80mm, 120mm, 160mm, 180mm and 240mm sizes available
- ◆ Custom sizes designed to specification
- ◆ Provides very clean power and ground distribution
- ◆ Power and ground assignments in accordance with the VME64x specification
- ◆ High-performance, low noise hybrid stripline/microstrip PCB design



board to these extender boards so that the extender and your board are easily removed from the chassis as a single unit. Call your local Dawn representative or the factory for pricing and availability.

Overview

The **9972 SERIES** form-factor extender boards is primarily used to adapt the depth of a 6U board to fit into a card slot of a deeper size. For example, the VME64XB60D is used when one desires to install a standard 6Ux160mm board into a 6Ux220mm card slot.

Connectors, pin-outs, and trace routing are in accordance with VME64 and VME64 eXtensions specifications. Ground, +5 volts, and +3.3 Volts are on separate, 2 ounce plane layers to minimize voltage drop and crosstalk from input to output.

In addition, these 7 layer boards include high quality IEC 1076-4-xxx, 5-row DIN, and IEC-1076-4-101, 2mm connectors, providing the same high performance power distribution, and balanced, controlled impedance environment as our other popular extender boards and backplanes. They can serve also as a troubleshooting tool by extending the board under test out of the card cage. A set of metal retainers is included with each extender shipped to allow you to securely fasten your

Technical Specifications

Mechanical

Compatibility: ANSI/VITA 1-1997 VME eXtensions standards.

PCB Material: FR4 and fully compliant with IPC-4101 Class 2

PCB Design Construction: High-performance, 7-layer microstrip/stripline

Power and Ground Planes / Signal Plane: 2 oz copper / 1 oz copper

Environmental

Operating Temperature: -20°C to +85°C @ <95% non-condensing

MTBF: >3,000,000 hr operating at +40°C

Ordering Information

| Model Number | Ordering Part Number | Extension (mm) | Weight (grams / ounces) |
|--------------|----------------------|----------------|-------------------------|
| VME64XB60D | 06-1009972-060 | 60 | 176 / 6.24 |
| VME64XB80D | 06-1009972-080 | 80 | 204 / 7.20 |
| VME64XB120D | 06-1009972-120 | 120 | 231 / 8.16 |
| VME64XB160D | 06-1009972-160 | 160 | 277 / 9.76 |
| VME64XB180D | 06-1009972-180 | 180 | 340 / 12.00 |
| VME64XB240D | 06-1009972-240 | 240 | 390 / 13.76 |