

VME64x FORM FACTOR EXTENDERS



FEATURES

- Designed to meet mechanical and electrical connection requirements of ANSI/VITA 1.1, 1997 VME extensions standard
- High performance stripline design
- 160-pin VME extensions, class II connectors
- Compatible with VME320 and most legacy VME products

BOARD SPECIFICATIONS

- 6-layer stripline design
- 2 oz. copper power and ground
- PCB UL recognized 94V-0
- PCB FR-4 or equivalent
- PCB .062" thick

MECHANICAL SPECIFICATIONS

- 6U x 60mm and 6U x 180mm
- 160-pin extended DIN connector compatible

DESCRIPTION

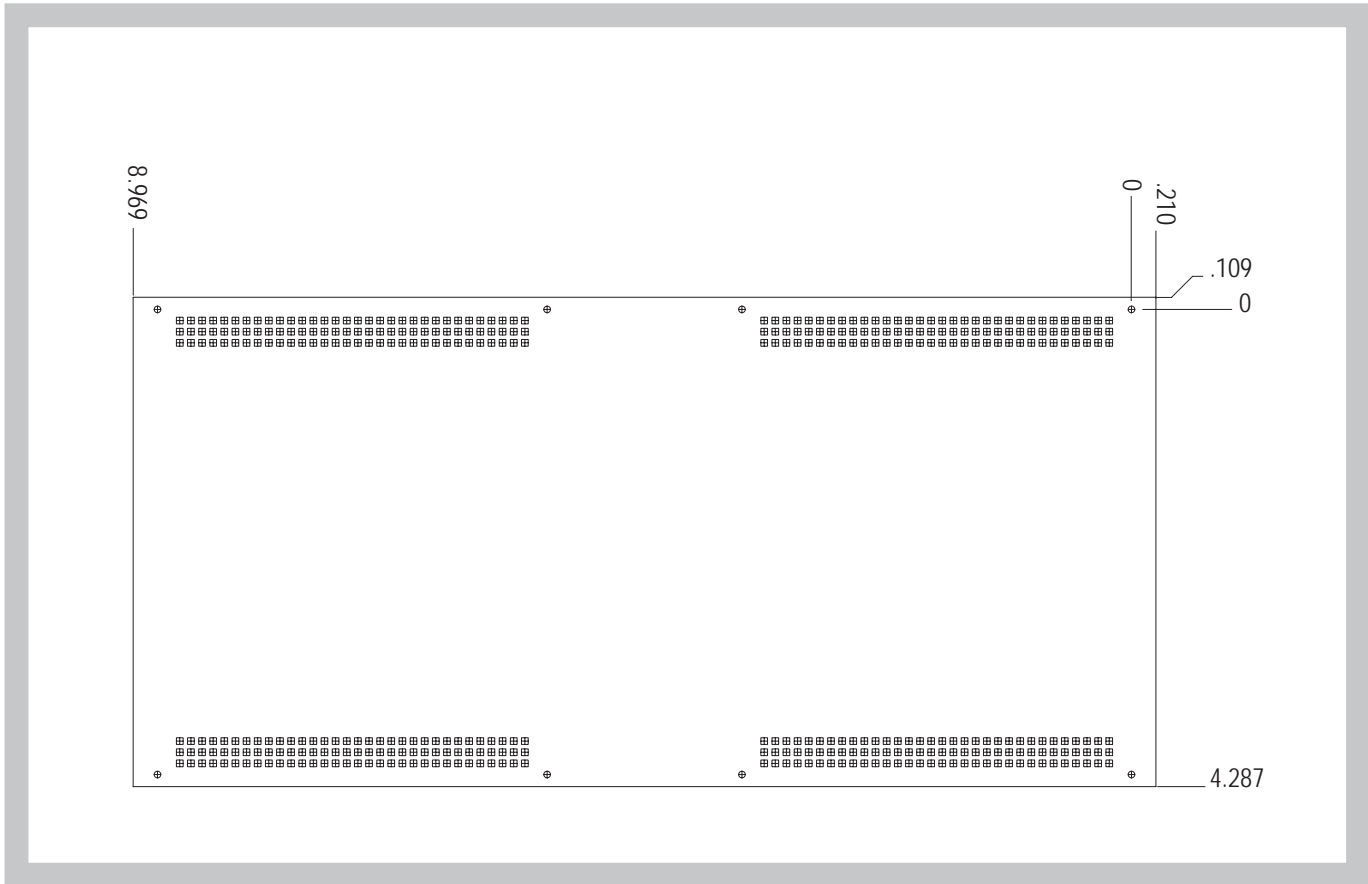
Elma Bustronic VME64x form factor extenders are designed to comply with the mechanical and signal connection requirements of the ANSI/VITA 1.1, 1997 VME extensions standard. We provide all the standard features required for VME64x compatibility: 160-pin VME extension connectors in J1 and J2, all defined ground pins are connected to a ground plane, routing and termination of all VME and VME64x bussed signal lines are per the specification, and distribution of +5V, +3.3V, ±12V, ±V1, ±V2, and VPC.

The form factor extender allows the user to adapt boards of different depths for use in the same chassis. As an example, a 60mm form factor extender can be used with a 160mm board to operate in a 220mm system. The extension boards maintain the correct depth dimensions, allowing the front panel to be aligned. We incorporate a full stripline design, 2 oz. power and ground planes, and transient analysis simulation programs.

Our design features 2 oz. copper ground planes that fully shield the backplane, minimize EMI/RFI emissions susceptibility, minimize crosstalk, and maximize power distribution. In addition, the robust outer ground layers provide mechanical and EMI/RFI protection for the extender. Two oz. copper VCC planes maximize power distribution while acting as virtual ground planes for the signals in order to minimize noise and crosstalk.

VME64x FORM FACTOR EXTENDERS

LINE DRAWING



ORDER INFORMATION

Height	Length	Part Number
6U	60mm	116FFE6006-012X
6U	180mm	116FFE6018-012X