

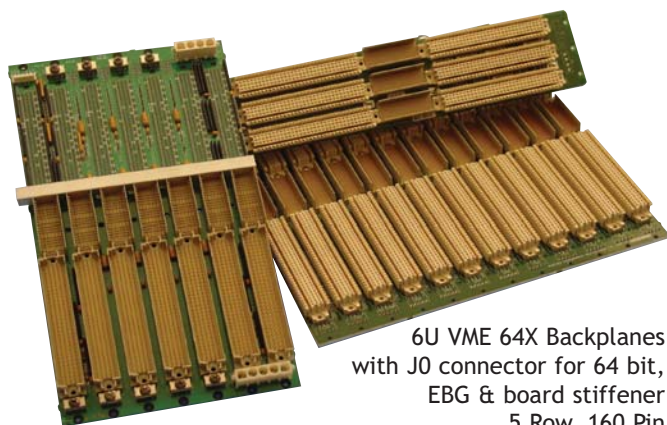
VECTORBORD® VME 64X BACKPLANES- J1, J2, J0 160 Pin

Vector VME 64Extension 6U monolithic backplanes are fully compliant with the ANSI/VITA VME Extensions standard.

Features:

- 10-Layer FR-4 construction, UL 94-V0
- Electronic Bus Grant (EBG)
- Board stiffeners are included
- P0 connectors on all slots
- 0.8" slot spacing
- Signal line impedance
- Geographical addressing
- Reduced EMI/RFI
- Power Bug or Mate-N-Lok Power Feed
- -25°C - +85°C Operating Temperature

Backplanes



6U VME 64X Backplanes
with J0 connector for 64 bit,
EBG & board stiffener
5 Row, 160 Pin

Vector Vectorbord® VME64X monolithic backplanes are for 6U cards and available in 3, 4, 5, 7, 12 and 16 slots configurations. J1 and J2 connectors are 160-pin, 5 row DIN 41612 with phosphor bronze contacts with 50m gold plating over nickel underplating. Most are 'True' 6U (10.317") for easy replacement or addition to any 6U rack system. All DIN connectors meet IEC 603-2 specifications and have a voltage rating of 250 VAC and a current rating of 2A maximum.

Model No.	Length (Vertical Height)	Width	Description
VME64E03P01	11.5"	2.4"	VME 64X 3-slot J1/J2/P0 Extended length
VME64E04P01	10.317"	3.2"	VME 64X 'True' 4-slot, J1/J2/P0
VME64E05P01	10.317"	4.0"	VME 64X 'True' 5-slot J1/J2/P0
VME64E07P01	10.317"	5.6"	VME 64X 'True' 7-slot J1/J2/P0
VME64E12P01	10.317"	9.6"	VME 64X 'True' 12-slot J1/J2/P0
VME64E16P01	10.317"	12.8"	VME 64X 'True' 16-slot, J1/J2/P0

Specifications

Compatibility: ANSI/VITA 1-1997 VME Extensions standards
Connectivity: All slots connected and power/ground provided per VMEbus specification
Design Type: Balanced and matched impedance 10 layer combination. High power feed.
Fabrication: FR-4 or equivalent grade laminate and prepreg.
Impedance: 50-65 ohm effective with connectors installed
Termination: Onboard, 330-ohm to +5V; 470-ohm to GND (194-ohm $\pm$ 5% Thevenin equivalent) at each end of backplane.
Operating Temp: -25°C - +85°C
MTBF: w/J0 and capacitors > 200,000 hr, GND benign, +40°C

Input Power

Type: Compliant pin power bug. Mating termination #6 ring terminal w/6-32 x 1/4 screw. Mate-N-Lok connectors available and are used in addition to power bugs on backplanes with <10 slots.
Maximum Power Rating: 25 Amp per power bug; 15 Amp per pin on MNL
Maximum Power Draw Rating Per Slot:
+5VDC 16A
+5VSTBY 2A
+12VDC 2A
-12VDC 2A
+3.3VDC 20A
V1 (48VDC nom) 2A
V2 (48VDC nom) 2A

