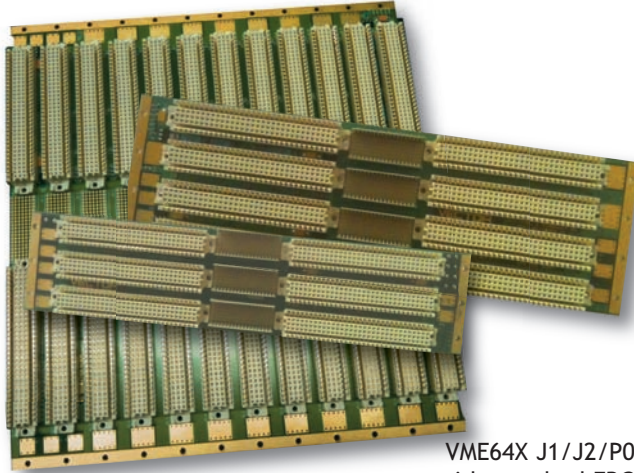


## VECTORBORD® VME64X BACKPLANES Per ANSI/VITA1.1-1997, J1/J2/P0

Vector VME64x 6U monolithic backplanes are fully RoHS and available for immediate shipment from our US manufacturing plant.

Backplanes



VME64X J1/J2/P0 with standard EBG, decoupling capacitors



VME64X 6U, 2-slot

### Features:

- Greater than 64MHz high-speed design
- 10-Layer FR-4 construction, UL 94-V0, RoHS compliant
- Signal lines shielded and controlled impedance
- OR-logic Electronic daisy-chaining (EBG) with on-board termination
- Screw terminal (power bug) power connections

Vector Vectorbord® VME64X monolithic backplanes are for 6U cards and available in 2, 3, 4, 5, 7, 8, 10, 12 and 21 slot configurations. J1 and J2 connectors are 160-pin, 5 row DIN 41612 with phosphor bronze contacts with 50m gold plating over nickel underplating. All 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
VME64E02P01	6U (10.317") x 1.55"		2 -slot VME 64X J1/J2/P0
VME64E03P01	6U (10.317") x 2.35"		3 -slot VME 64X J1/J2/P0
VME64E04P01	6U (10.317") x 3.15"		4 -slot VME 64X J1/J2/P0
VME64E05P01	6U (10.317") x 3.95"		5 -slot VME 64X J1/J2/P0
VME64E07P01	6U (10.317") x 5.55"		7 -slot VME 64X J1/J2/P0
VME64E08P01	6U (10.317") x 6.35"		8 -slot VME 64X J1/J2/P0
VME64E10P01	6U (10.317") x 7.95"		10-slot VME 64X J1/J2/P0
VME64E12P01	6U (10.317") x 9.55"		12-slot VME 64X J1/J2/P0
VME64E21P01	6U (10.317") x 16.745"		21-slot VME 64X 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 ± 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  
 Weight: 3-slot = .60 lbs (add .11 lbs per slot over 3-slots)

### Input Power

Type: Compliant pin power bug. Mating termination #6 ring terminal w/6-32 x 1/4 screw.  
 Maximum Power Rating: 25 Amp per power bug  
 Maximum Power Draw Rating Per Slot:

+5VDC	16 A
+5VSTBY	2 A
+12VDC	2 A
-12VDC	2 A
+3.3VDC	20 A
V1 (48VDC nom)	2 A
V2 (48VDC nom)	2 A

