



FEATURES

- Complies with ANSI/VITA 1.7 high current standard for VME64x
- ANSI/VITA 5.1 RACEway compatibility guaranteed
- Patented stiffeners placed every three slots ensure board rigidity
- 12-layer low noise stripline design with outside layers incorporating a chassis ground EMI shield
- Custom configurations available
- High-performance, low noise, very high power
- Designed to meet ANSI/VITA 1.1
- Operates at 320 mb/s per VITA 1.5 2eSST (*simulation and measurement report available*)
- Complies with ANSI/VITA 38 "System Management for VME" standard
- Optional P0/J0 connectors (shrouded)
- Electronic Bus Grant (EBG)
- High current internal ground planes
- 8-32 thread high current power studs -easy to wire
- Chassis Ground 6-32 Winchester Power Bug - easy to wire

VME 64X VITA 1.7 BACKPLANES

TABLE 1: TECHNOLOGY OVERVIEW

PHYSICAL	
Height	10.317" (262.051 mm)
Length	<ul style="list-style-type: none"> • 2-slot: 1.561" (39.649 mm) • Each additional slot, add .8" (20.32 mm)
Backplane Material	FR4
Connector Pitch	4 HP (0.8") spacing
Construction	12 layer stripline with outside layers incorporating a chassis ground EMI shield

ENVIRONMENTAL	
Temperature	<ul style="list-style-type: none"> • Operating: -40 to +85° • Storage: -55 to +85°C
Safety Agencies	Designed to meet UL, CSA, CE requirements
Flammability Rating	UL94-V0

POWER	
Electrical	<ul style="list-style-type: none"> • Signal line characteristic impedance: 60 ohms • Signal line resistance: < 3 ohms • Tested to meet the signal integrity requirements for 320 mb/s data transfer per ANSI/VITA 1.5

BACKPLANE POWER CONNECTORS	
#8-32 Power Studs: current rating of 60 A per stud, sufficient to support the following currents per VITA 1.7	
GND	40 A/slot
+12V	2 A/slot
+V1	2 A/slot
+V2	2 A/slot
+3.3 V	20 A/slot
-12 V	2 A/slot
-V1	2 A/slot
-V2	2 A/slot
+5 V	18 A/slot (incl. VPC pins)
+5 V Standby	2 A/slot
Chassis Ground	#6-32 Power Bug; current rating 18 A

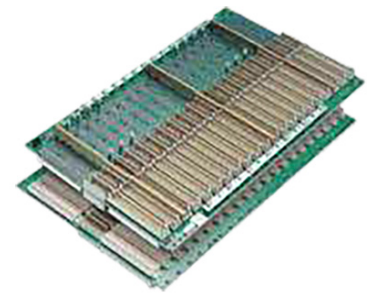


TABLE 2: ORDERING INFORMATION

PART NUMBER	DESCRIPTION
024-808-00	8-slot backplane (9 slot wide) without J0 connectors
024-808-01	8-slot backplane (9 slot wide) with J0 connectors
024-818-00	18-slot backplane without J0 connectors
024-818-01	18-slot backplane with J0 connectors
024-821-00	21-slot backplane without J0 connectors
024-821-01	21-slot backplane with J0 connectors

WARRANTY

This product has a one year warranty.

CONTACT INFORMATION

www.atrenne.com
sales@atrenne-cs.com
508.588.6110

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