VPX Storage Modules

**XVPX-9756** 3U VPX Bootable SATA/SAS Drive Module

**Description**
The XVPX-9756 is a bootable SATA/SAS storage module which supports dual slim SATA drives (SSD) or a single 2.5" drive, either rotating or solid state. The module connects directly to the CPU via SATA signals or by means of PCI Express signals through an on-board controller. Given its connectivity options, the XVPX-9756 is an unequaled VPX bootable storage solution.

**Key Features & Benefits**
- Bootable over PCIe or SATA/SAS
- Supports SATA, SAS, and PCIe interfaces
- Suits customized or standard backplanes
- RAID 0/1 configurable with dual slim SATA drives
- Can support one or two CPU boards via SATA interfaces
- Drive activity LED
- SMBus FRU available for user data and module status

**Performance Specifications**

**Bus Compliance**
- VITA 46.0, 46.4, 46.9, 48
- MIL Spec 217-F @105.000 Hrs

**Form Factor**
- 3U VPXbus 3.94" (100.01mm) x 6.3" (160mm)

**Environmental**
- Operating temperature:
  - Air cooled: 0 to 70°C
  - Conduction cooled: -40 to 85°C
- Storage temperature:
  - Air cooled models: -40 to 85°C
  - Conduction cooled and REDI models: -40 to 105°C

**Shock**
- Operating: 30g peak acceleration, 11ms duration
- Non-operating: 50g peak acceleration, 11ms duration

**Relative Humidity**
- 20 to 80% non-condensing

**Vibration (5Hz-2kHz)**
- Operating: 0.015" (380µm) peak-to-peak displacement
- 2.5g max acceleration
- Non-operating: 0.030" (760µm) peak-to-peak displacement
- 5.0g max acceleration

**Ordering Information**

**XVPX-9756-A80-X**
- A = Thermal
  - 1 - Air cooled
  - 2 - Conduction cooled
  - 3 - REDI
- B = Drive connector type
  - 0 - HD/SDD (SATA)
  - 1 - Dual slim SATA
- X = Solder
  - L - Lead solder
  - LF - Lead-free solder

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