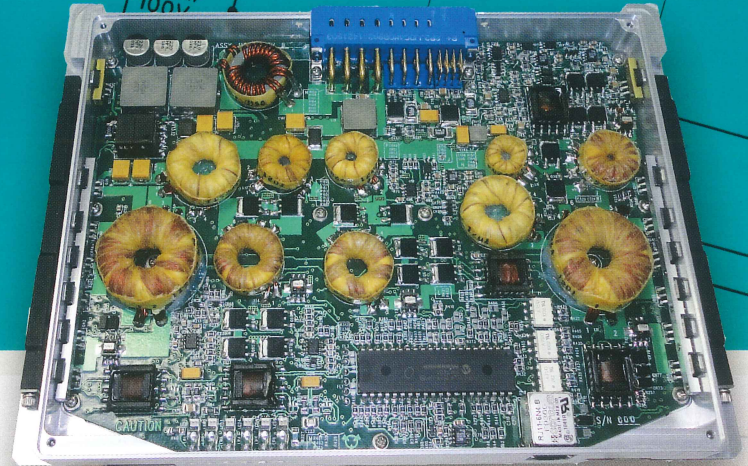


VPX SERIES

6U SIX OUTPUT VPX DC TO DC CONVERTER
MODIFIED FOR CUSTOM APPLICATION



FEATURES & BENEFITS OF VPX

- ▣ up to 707 electrical signal contacts (For 6U model)
- ▣ Up to 115 watts of 5VDC AND up to 384 Watts of 12VDC OR 768 Watts of 48VDC (for 6U model)
- ▣ VPX connector has ESD protection built-in
- ▣ Robust and Ruggedized compared to VME
- ▣ Greater Number of pins than VME (when VPX connector is used)

PRODUCT FEATURES OF MODEL SHOWN

- ▣ 6U VPX VITA 48 Redi modified to customer requirements
- ▣ Robust. Ideal for harsh environment applications
- ▣ Up to six outputs for analog and digital loads (not including housekeeping supply)
- ▣ I²C monitoring
- ▣ Optional Nuclear Event Disable (NED) circuit
- ▣ Conduction cooled using Wedgelocks™

CENTURY  **ELECTRONICS**
A Division of Perillo Industries, Inc.
(An AS9100 Certified Company)

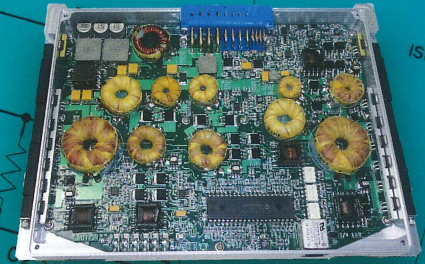
AC/DC POWER SUPPLIES | DC/DC CONVERTERS

2150 Anchor Court | Newbury Park, CA 91320 | Tel: 805.498.9838 | Fax: 805.498.9452 | www.centuryele.com



VPX SERIES

6U SIX OUTPUT VPX DC TO DC CONVERTER
MODIFIED FOR CUSTOM APPLICATIONS



PRODUCT SPECIFICATIONS

All specifications subject to change

DC Input:

- 22-29 VDC per MIL-STD-704F
- Input Transients: 50V (MIL-STD-704F)

DC Output:

- Internal temperature monitoring through I²C
- Out enable and disable through I²C
- Analog outputs — +6VDC @ 8A, -6VDC @ 0.2A, +12VDC @ 2A
- Digital outputs — +12VDC @ 30A, +5VDC @ 10A, +3.3 VDC @ 1.5A
- Ripple & Noise: Analog outputs 20mV pp
Digital outputs 50mV pp
- Overvoltage shutdown: 110% all outputs

DC Output (continued)

- Undervoltage monitoring: 90% all outputs
- Ambient Operating Temperature Range -32°C to 75°C
- Over current limit (all outputs) 125% ± 5%
- Line, Load & Temperature Regulation
+6VDC - ± 0.12 VDC, -6VDC - ± 0.12VDC
+12VDC - ± 0.24 VDC (analog) -12VDC - ± 0.6VDC (digital)
+5VDC - + 0.25 VDC/-0.125VDC, 3.3VDC - ± 0.165VDC

Mechanical:

- Weight: 2.5 lbs [1134 grms]
- All dimension in inches [mm]

