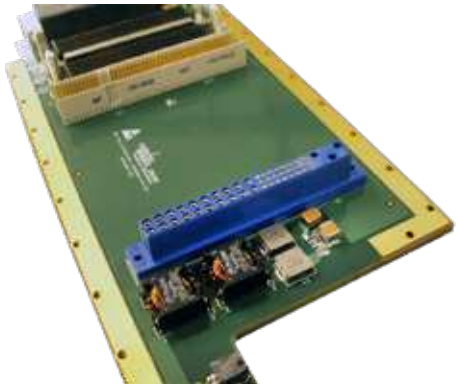
Atrenne
A Celestica Company

BACKPLANE SOLUTION 89/90-176

3U 6-SLOT OPENVPX ATR BACKPLANE & I/O PANEL SOLUTION FOR RADAR APPLICATION - RTCA/DO-160 LIGHTNING PIN INJECTION

FEATURES

- Size: 10.371" x 5.067" x 0.160"
- 3U 6-slot Hybrid OpenVPX/ cPCI backplane
  - (2) slots 3U OpenVPX
  - (1) slot 3U cPCI
  - (2) slots for future expansion
  - (1) slot for application-specific power supply
  - Mates directly with I/O panel CCA
- Interconnect Topology:
  - PCI bus
- I/O panel circuit board
  - Protection circuitry for severe RTCA/DO-160 Lightning Pin Injection
  - EMI filtering
  - 38999 I/O connectors
  - Mates directly with backplane
- -45 to +71°C operating
- Altitude: 25 kft operating



MARKET
Military

APPLICATION
UAV Airborne Radar Application

CHALLENGE
Design and manufacture a UAV airborne ATR backplane for rotary wing aircraft with severe RTCA/DO-160 Lightning Pin Injection, hybrid 3U OpenVPX™/cPCI slots, and application-specific MIL-STD-704F power supply slot.

CONCERNS
Program required extensive I/O protection circuitry for severe RTCA/DO-160 Lightning Pin Injection, hybrid 3U OpenVPX/cPCI backplane, application-specific MIL-STD-704F power supply slot, and 71°C ambient temperature requirement.

HOW CAN WE HELP REDUCE YOUR RISK?
Atrenne can help you with all of your application-specific backplane and chassis requirements.

The solutions that you see on our website are just a small sample of our past solutions and capabilities. Please browse our solutions and contact us for a consultation.

This application-specific backplane (Solution 89-176) includes (2) 3U OpenVPX, (1) 3U CompactPCI® (cPCI), (2) future expansion slots, and (1) application-specific power supply slot. The I/O panel (Solution 90-176) includes protection circuitry for RTCA/DO-160 lightning pin injection, EMI filtering and 38999 I/O connectors. Designed to operate at -45 to +71°C and 0 to 25 kft, this backplane and I/O panel are perfect for small form factor radar applications.

WARRANTY
This product has a one year warranty.

CONTACT INFORMATION
www.atrenne.com
sales@atrenne.com
508.588.6110 or 800.926.8722