Applications
- VPX Test/Debug
- PCIe
- 10G Ethernet
- 1G Ethernet
- GPIO

Board Features
- Dual QSFP28 Cages
- Dual SFP Cages
- Single IPASS Cage
- External Clock inputs
- JTAG socket

Summary
The ADC-VPX3-XMC-RTM is a 3U, VPX, Rear Transition Module (RTM) designed to interface with Alpha Data VPX products.

The RTM provides complete breakout of all backplane signals providing the user with complete flexibility during development and debug. A PCIe Re-driver allows for PCIe interface in the data plane from a host PC with a PCIe cable breakout. Two QSFP cages give high density HSSIO on the openVPX data and expansion planes. Two SFP cages give easy access to the two openVPX control planes. ATX Power connector with integrated current monitoring provides real time feedback of current draws on each power rail. Header pins provide easy access to all other general purpose IO.

Deliverables
ADC-VPX3-XMC-RTM Board
One Year Warranty
One Year Technical Support

Board Format
VPX 3U Rear Transition Module

Input/Output Interfaces
- 2x High-speed serial I/O channels to QSFP28 cages
- 2x High-speed serial I/O channels to SFP cages
- 1x High-speed serial I/O channels to IPASS interface
- 36x Discrete differential pair I/O
- 16x Discrete single-ended I/O
- 3x External clock input
- 1x JTAG Interface

Environmental Specification

Temperature Ranges

<table>
<thead>
<tr>
<th>Cooling Option</th>
<th>Operating Temperatures</th>
<th>Storage Temperatures</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC0</td>
<td>0°C - 55°C</td>
<td>-40°C - 85°C</td>
</tr>
</tbody>
</table>

Operating Humidity: Up to 95% (non-condensing)

EMC Standards
- FCC 47CFR Part 2
- EN55022:2010 Equipment Class B

Ordering Information

Order Code: ADC-VPX-XMC-RTM(a)

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
<th>Description of Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conformal Coating</td>
<td>a</td>
<td>blank = no conformal coating, A = Acrylic, P = Polyurethane</td>
</tr>
</tbody>
</table>

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