ADC-PCIE-XMC

9th April 2019

Datasheet Revision: 1.0

XMC adapter for PCI-Express workstations

Board Features
- XMC Carrier card for PCI Express based systems
- Breakout of mezzanine board I/O
- Separate PCIe Power connector

Summary
PC plug-in (half length) card to allow one XMC boards to be used in the PC.

The ADC-PCIE-XMC is a half length PCI Express card designed to carry a single XMC. It can support the use of x1, x2,x4 and x8 PCIe Gen2 signalling environments in x8 or x16 PCIe slots. The XMC site on the card supports up to on x8 PCIe or two x4 PCIe links. VPWR provided to the XMC site is set to 12V.

Deliverables
ADC-PCIE-XMC Board
One Year Warranty
One Year Technical Support

Host Interface
The host interface supports PCIe Gen 1, 2. Please contact Alpha Data for further details.

Board Format
Half length PCI Express Card

Input/Output Interfaces
6x High-speed serial communications from P6
4x SATA interfaces from P6
38x GPIO from P6
64x 64 Single ended or 32 differential pair GPIO from P4

Environmental Specification

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

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

EMC Standards
FCC 47CFR Part 2
EN55022:2010 Equipment ClassB

Ordering Information

Order Code: ADC-PCIE-XMC(t)

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
<th>Description of Options</th>
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<tr>
<td>XMC Connector Type</td>
<td>t</td>
<td>blank = XMC (VITA 42) Connectors, /X2 = XMC2 (VITA 61) Connectors</td>
</tr>
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