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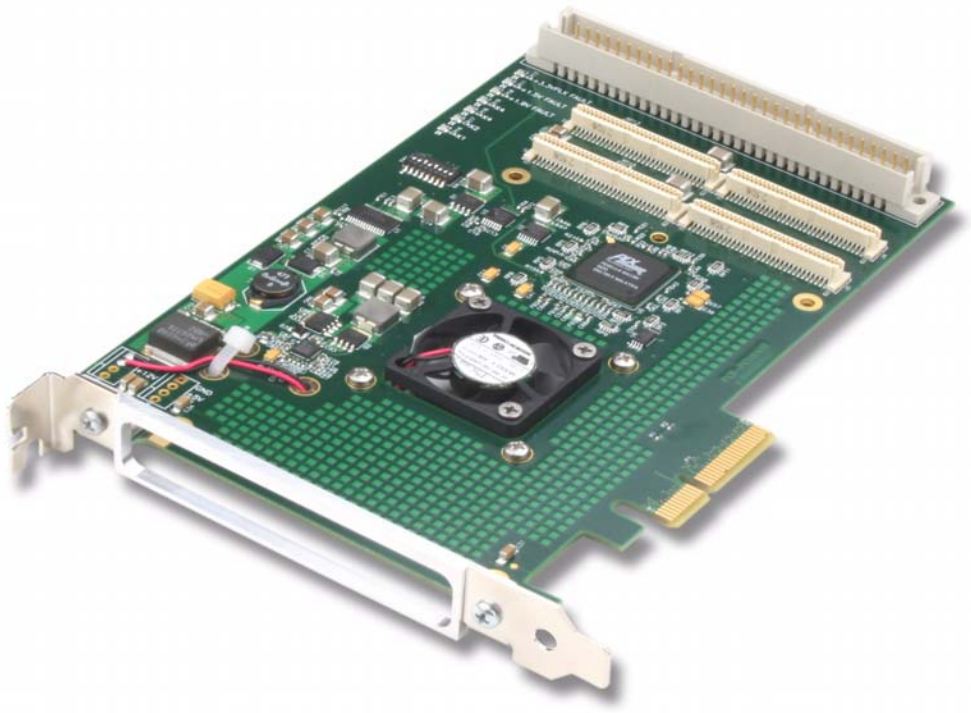
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PCIe Carrier for PMC and PrPMC

PCI104

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KEY FEATURES

- PCIe x4 lanes
- PCI-X @ 133MHz
- 96-pin DIN connector mapping per VITA-35
- One PMC or PrPMC site
- IEEE 1386 compliant
- VITA-35 compliant
- VITA-39 compliant
- RoHS compliant
- OS support for:
  - Linux
  - Windows
  - Solaris
  - VxWorks

The PCI104 is a PCIe carrier for PCI Mezzanine Cards (PMC) or Processor PCI Mezzanine Cards (PrPMC). The PCI104 carrier allows simplified testing of PMC/PrPMCs and their associated PMC I/O Modules (PIMs) by using a PC environment during board development or deployment. The PCI104 can also reduce the costs of manufacturing PMC/PrPMCs by allowing manufacturers to use off-the-shelf PCs for functional testing.

The PCI104 converts the PCIe x4 edge connection to PCI-X via a PCIe to PCI-X bridge. The trace lengths to the PMC/PrPMC are kept to a minimum so the PMC/PrPMC can run with a 133MHz PCI-X clock speed. The J4 connector of the installed PMC/PrPMC is routed to a 96-pin DIN connector per the VITA-35 specification. The PCIe to PCI-X bridge can run in either transparent or non-transparent mode and can also operate in forward or reverse mode. The PCI104 has a fan mounted on the board to cool the PMC/PrPMC. The fan can easily be removed for testing and probing of hosted card.

VadaTech can modify this product to meet special customer requirements without NRE (minimum order placement is required).

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SPECIFICATIONS

Architecture		
Physical	**Dimensions**	Width: 4.2 in. (107 mm)
		Depth: 6.6 in. (156 mm)
Product	**PCIe Expansion**	Carrier for one PMC or PrPMC
Standards		
PCIe	**Lanes**	x4
PCI	**PCI-X**	PCI-x 64-bit @ 133MHz
Configuration		
Power	**PCI104**	3.5 W in addition to what the PMC/PrPMC requires
		Up to 25 W is available for the PMC/PrPMC
Environmental	**Temperature**	Operating Temperature: 0° to 65° C (Air flow requirement is to be greater than 200 LFM)
		Storage Temperature: -40° to +90° C
	Vibration	1G, 5-500Hz each axis
	Shock	30Gs each axis
	Relative Humidity	5 to 95 percent, non-condensing
Interface Connector		96-Pin DIN connector
Conformal Coating		Humiseal 1A33 Polyurethane
		Humiseal 1B31 Acrylic
Other		
MTBF	MIL Spec 217-F > 275,000 Hrs. (without the Fan)	
Certifications	Designed to meet FCC, CE and UL certifications where applicable	
Standards	VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards	
Compliance	RoHS	
Warranty	Two (2) years	
Trademarks and Logos	The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners.	

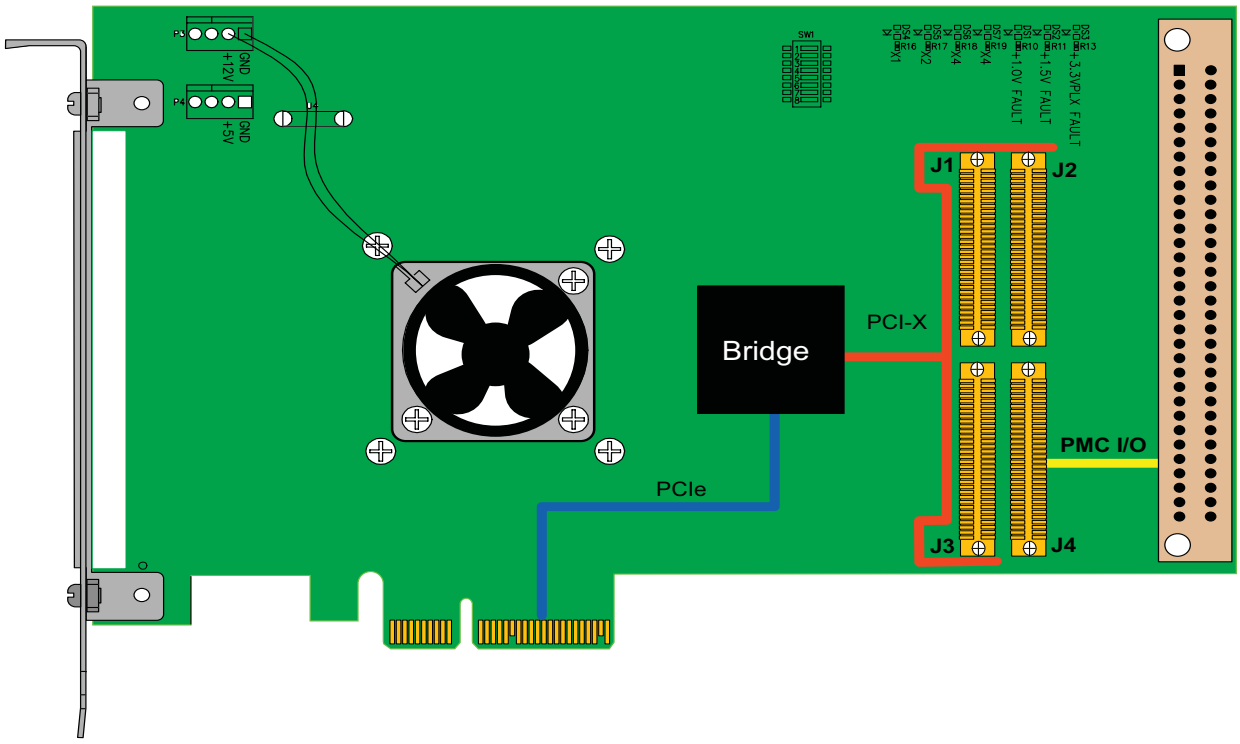


FIGURE 1. PCI104 Functional Block Diagram

ORDERING OPTIONS

PCI104 - 000 - 000 - 00J

J = Conformal Coating

0 = None
1 = Humiseal 1A33 Polyurethane
2 = Humiseal 1B31 Acrylic

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