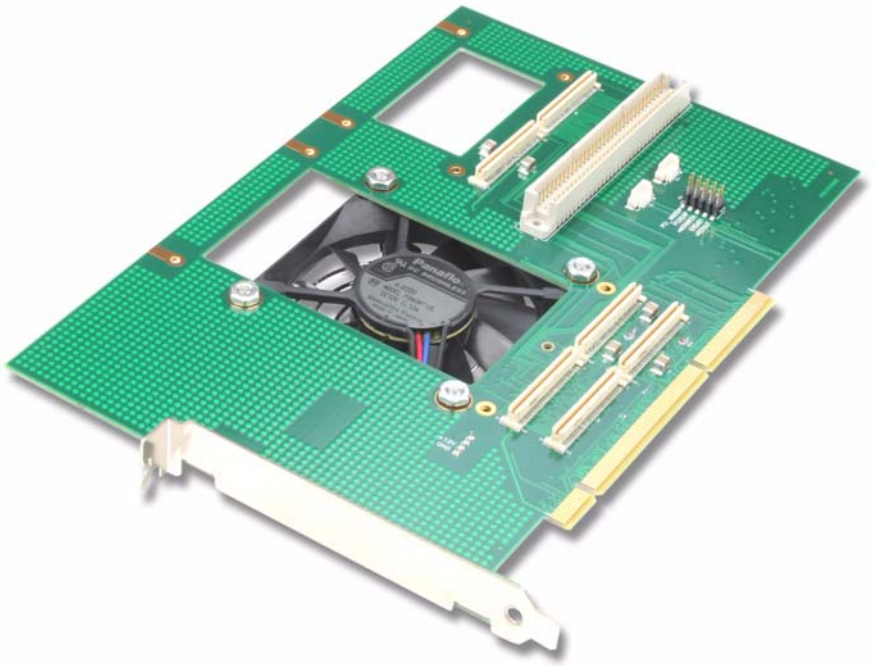
PCI Carrier for PMC, PrPMC and PIM Modules

PCI100



KEY FEATURES

- One PMC or PrPMC site
- PCI-X @ 133MHz
- 96-Pin DIN connector per VITA-35 for PMC J4 user defined I/O
- One PIM site per VITA-36
- IEEE 1386 compliant
- VITA-39 compliant
- RoHS compliant

The PCI100 is a PCI bus carrier that allows testing and evaluation of PMCs, PrPMCs and PIMs in a manufacturing or lab environment. The PCI100 routes the 64-bit PCI bus from the edge connector directly to the PMC/PrPMC. The trace lengths from the PCI bus to the PMC/PrPMC connectors are kept at a minimum so the PMC/PrPMC can run at the PCI-X 133MHz clock speed.

The J4 connector of the PMC/PrPMC site is routed to the PIM site connector per the VITA 36 specification. This gives manufacturers the ability to use the PCI100 to test and verify PIMs. In addition, the PCI100 has the a 96-pin DIN connector (P2) routed to the J4 connector per the VITA-35 specification. The PCI100 has a fan mounted on the board to cool the PMC/PrPMC. The fan is easily removed for testing and probing of the PMC/PrPMC.

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

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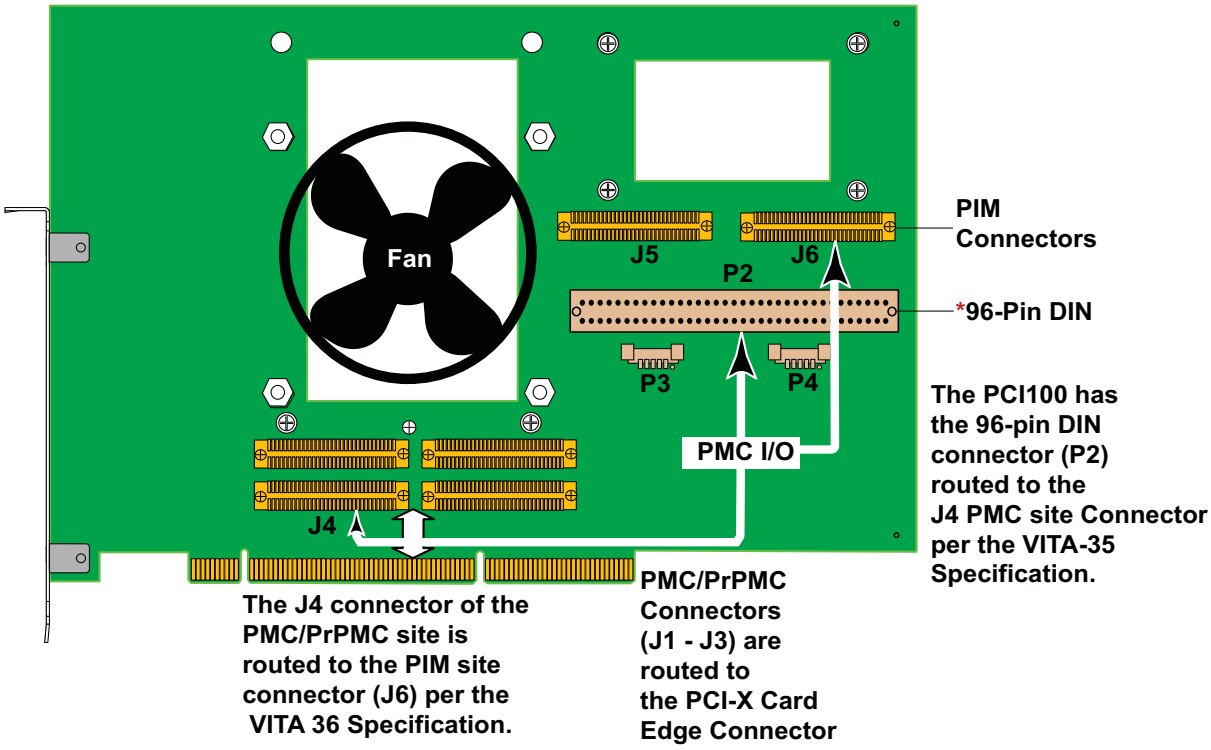
SPECIFICATIONS

Architecture		
Physical	**Dimensions**	Full Size PCI bus Format
		Width:9.488 in. (246 mm)
		Depth: 6.264 in. (160 mm)
Product	**PCI Carrier**	Carrier for PMC, PrPMC and PIM modules
Standards		
Standards		PCI-X @ 133MHz
		IEEE 1386 compliant
		VITA-39 compliant
Configuration		
Power	**PCI100**	0.4W (for the fan)
Interface	**Connectors**	96-Pin DIN connector per VITA-35
		One PIM site per VITA-36
		One PMC or PrPMC site
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
Other		
MTBF	MIL Spec 217-F > 700,000 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	The VadaTech logo is a registered trademark of VadaTech, Inc.	



NOTE: ***P2 is a 96-pin connector with only 64-pins used.**

FIGURE 2. PCI100 Functional Block Diagram

ORDERING OPTIONS

PCI100 - 0 0 0 - 0 0 0 - 0 0 J

J = Conformal Coating

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

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