VRT552A

Rear I/O for VPX552, VPX RTM

VRT552A

Key Features

- 6U RTM per VITA 46
- Designed specifically for the VadaTech VPX552
- VPX REF clock in
- Loop back P1 (ports 8 thru 15)
- Loop back P2 (ports 0 thru 15)
- Front 0.1" header to RP3 (ports 0 thru 15) and RP4 (ports 6 and 7)
- USB 3.0
- Three RS-232 ports via Micro USB connectors
- Dual RJ-45 to RP4 (ports 8 thru 11)
- JTAG port from RP0

Benefits

- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company

OpenVPX™

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VRT552A

The VRT552A is a 6U VPX Rear Transition Module providing I/O expansion for use with the VPX552. The module has multiple I/O break out for test and validation of the VPX blade. This allows development in a one slot chassis without requiring the production backplane.
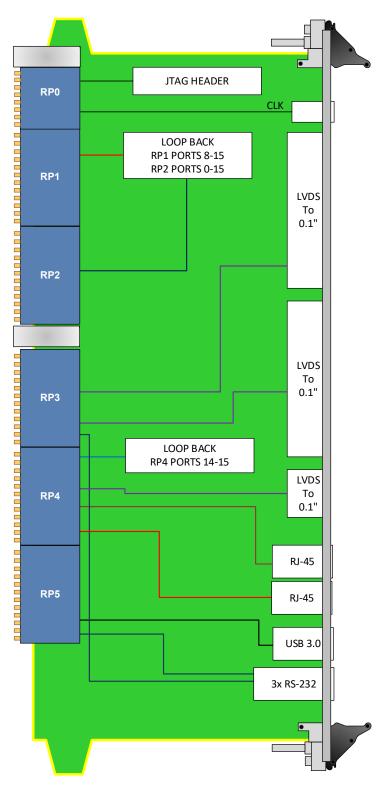
Block Diagram

Figure 1: VRT552A Functional Block Diagram

VRT552A – Rear I/O for VPX552, VPX RTM

Specifications

Architecture		
Physical	**Dimensions**	6U RTM, 1" pitch
Configuration		
Power	**VRT552A**	0.5W
Rear Panel	**Connectors**	Dual RJ-45, 0.1 Header, USB3.0, Twinax for Ref clock, 3x Micro USB for RS-232 and JTAG
VPX Interfaces	**Slot Profiles**	See Ordering Options
	Backplane	RP0 thru RP5
	Power	+5V
Other		
MTBF	MIL Hand book 217-F@ TBD hrs	
Certifications	Designed to meet FCC, CE and UL certifications, where applicable	
Standards	VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards	
Warranty	Two (2) years, see VadaTech Terms and Conditions	

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of OpenVPX, ATCA and MTCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTMs), Power Modules, and more. The company also offers integration services as well as pre-configured Application-Ready Platforms. Please contact VadaTech Sales for more information.

Ordering Options

VRT552A – 000-00-GHJ

G = Applicable Slot Profiles
0 = 5 HP

H = Environmental
See [Environmental Specification](#)

J = Conformal Coating
0 = No coating 1 = Humiseal 1A33 Polyurethane 2 = Humiseal 1B31 Acrylic

Environmental Specification

Air Cooled

Option H	H = 0	H = 1
Operating Temperature	AC1* (0°C to +55°C)	AC3* (-40°C to +70°C)
Storage Temperature	C1* (-40°C to +85°C)	C3* (-50°C to +100°C)
Operating Vibration	V2* (0.04 g2/Hz max)	V2* (0.04 g2/Hz max)
Storage Vibration	OS1* (20g)	OS1* (20g)
Humidity	95% non-condensing	95% non-condensing

Related Products

VPX756

- Processor VPX (PrVPX) Intel® Xeon® Processor E3-1505M v6 (Kaby Lake)
- PCIe Gen3 x4 or dual PCIe x8
- Serial Over LAN (SOL)

VTX990

- One slot benchtop 6U VPX development platform
- P0 to P6 connectors are installed
- Removable panels for ease of access for probing

VTX881

- 2U Open VPX rackmount system platform
- Dedicated Switch/management slot
- Optional JTAG Switch Module (JSM)

Contact

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