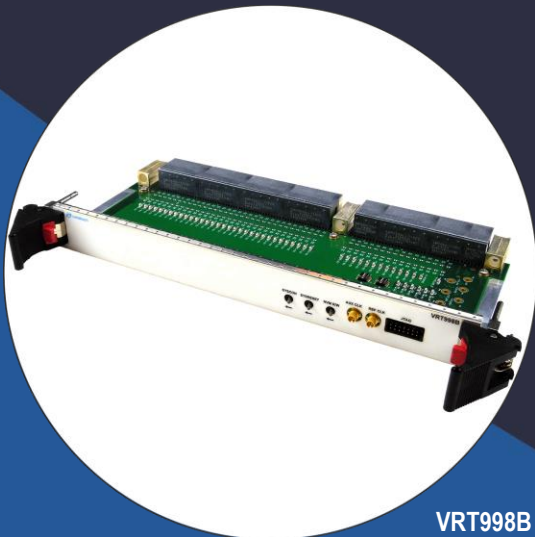


VRT998B

Rear Transition Loop-Back and Break-Out Panel for 6U VPX Modules



VRT998B

Key Features

- 6U VPX RTM Module
- Loop-Back and Break-Out panel for a 6U VPX

Benefits

- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company



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VRT998B

The VRT998B is a loop-back and break-out panel for a 6U VPX Rear Transition Module (RTM).

The VRT998B could be used for testing/validation of the high speed SERDES for a 6U VPX modules. The VRT998B via zero-ohm resistors routes the P1/P2 /P4/P5 and P6 of the front module high speed SERDES TX+/- to its RX+/- . Total of 96 loop-back which covers all the 96 SERDES (TX/RX) of the front module. The zero ohms resistors could be removed to reduce the number of lanes.

The RTM brings out the JTAG as well as the two VPX P0 clocks into a Twinax connector. In addition, the RTM brings out the NVROM/*SYSREST/*SYSICON to the rear panel for ease of access. The VPX geographic address could be set by an on-board switch to a unique address.

The VRT998B has high speed VPX connector for test/validation of 25G SERDES.



Figure 1: VRT998B

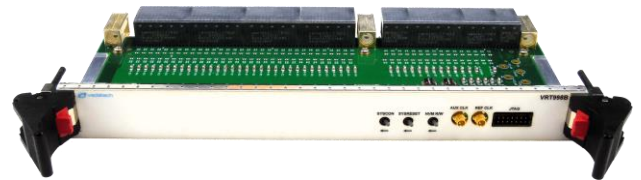


Figure 2: VRT998B Front View

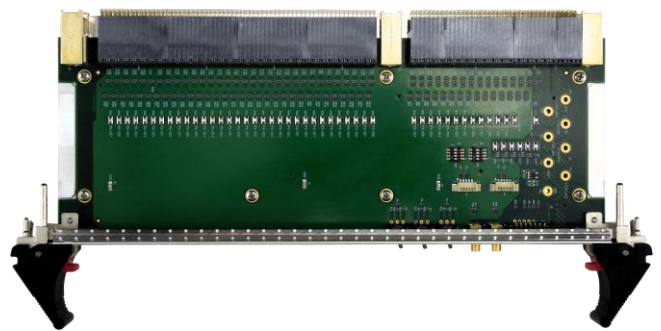


Figure 3: VRT998B Top View

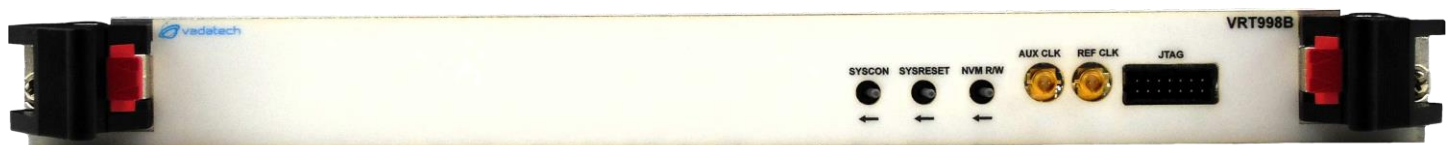


Figure 4: VRT998B Front Panel View

Block Diagram

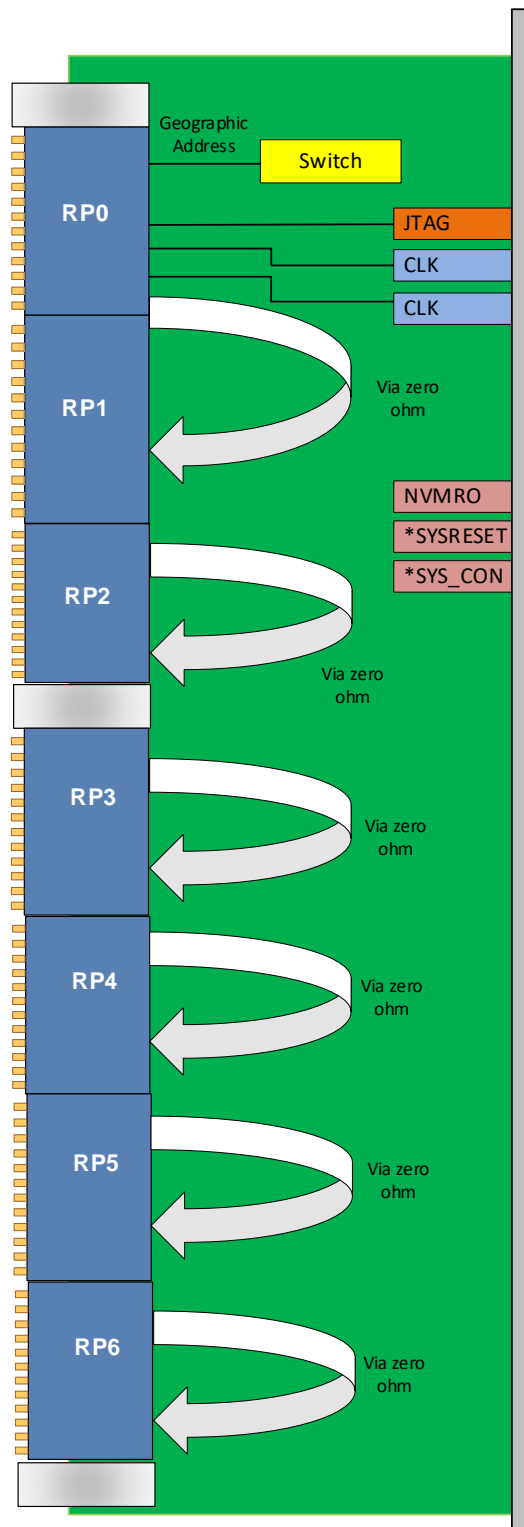


Figure 5: VRT998B Functional Block Diagram

Specifications

Architecture		
Physical	Dimensions	6U
Type	Breakout Panel	
Standards		
VPX	Type	VITA46.x
VPX	Type	VITA 65 OpenVPX
VPX	Panel Profile	See Ordering Options
Configuration		
Power	N/A	
Rear Panel	Interface Connector	Toggle switches JTAG
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 ISO9001:2015 and AS9100D standards	
Warranty	Two (2) years, see VadaTech Terms and Conditions	

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of 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

VRT998B – 000-000-G00

		G = Slot Profile
		0 = 5 HP
		1 = Reserved

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