

VPX998B

Loopback and breakout I/O for 6U VPX Modules



VPX998B

Key Features

- 6U VPX Front Module for test and validation of the backplane
- Loopback and Breakout I/O 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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OpenVPX™



VPX998B

The VPX998B is a loopback and breakout panel for a 6U VPX Module.

The VPX998B is utilized for test/validation of the high speed SERDES of a 6U VPX backplane. The VPX998B 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 Module also brings out the JTAG as well as the two VPX P0 clocks into a Twinax connector. In addition, the Module brings out the NVROM/*SYSREST/*SYSCON to the panel for ease of access. The VPX geographic address could be set by an on-board switch to a unique address.

The P0 power is brought to test points for ease of measurement.

The VPX998B has high speed VPX connector for test/validation of 25G SERDES on the backplane.



Figure 1: VPX998B



Figure 2: VPX998B Top View



Figure 3: VPX998B Front Panel View

Block Diagram

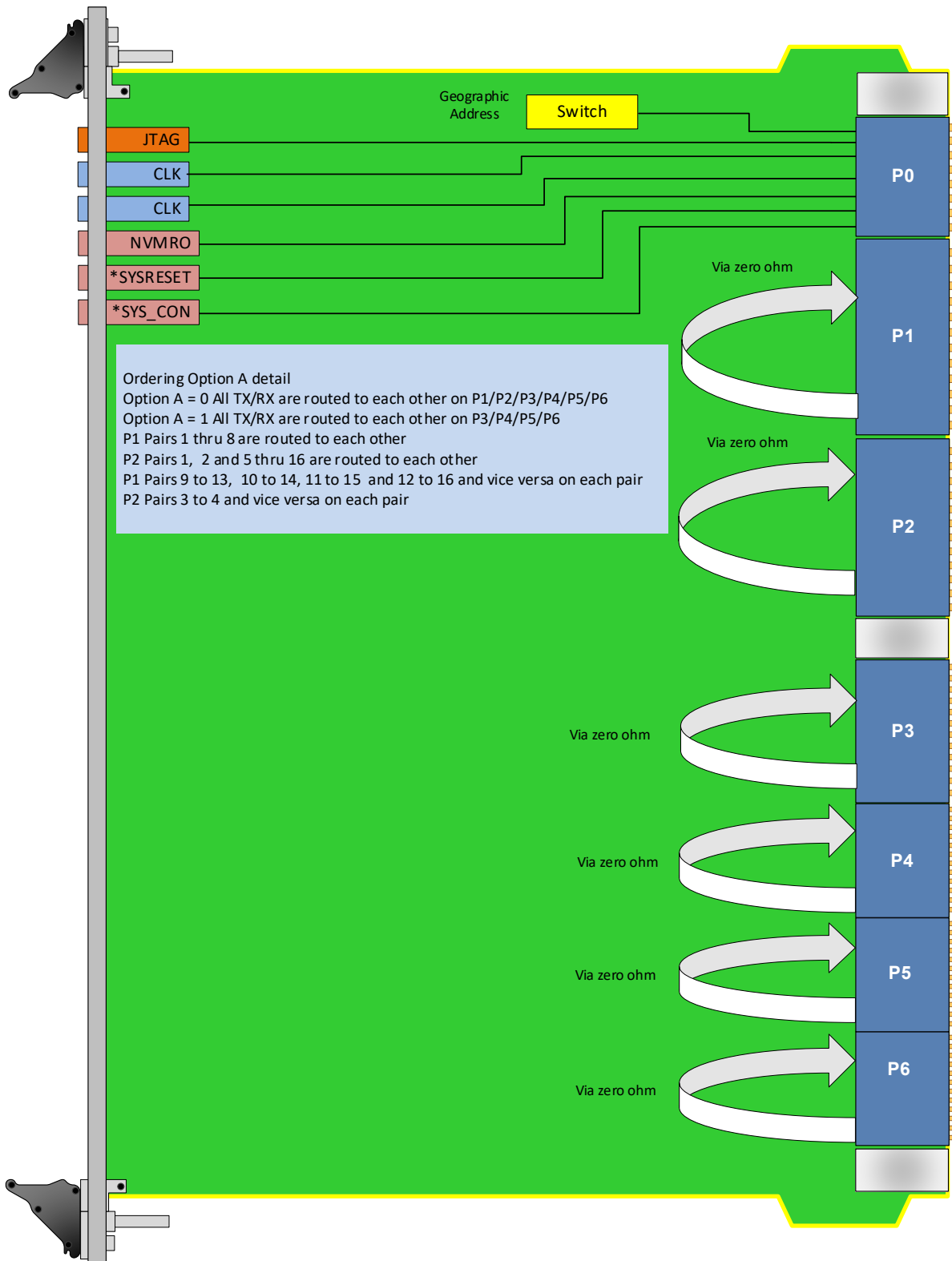


Figure 4: VPX998B Functional Block Diagram

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

VPX998B – A00-000-G00

A = Loop back option		G = Slot Profile
0 = P1/P2/P3/P4/P5/P6/P7/P8 loop back 1 = Loop back follows note in figure 4 of the diagram 2 = Reserved 3 = Reserved		0 = 5 HP 1 = Reserved

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