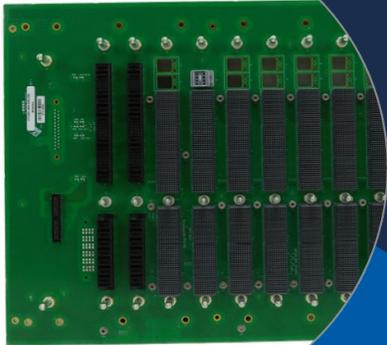


# VTX351

## 6U VPX Backplane With Optics To The Rear



VTX351

### Key Features

- 6U VPX backplane
- Rugged Chassis and Fiber Optics per VITA 66.5
- Rear Mezzanine Cards w/ IO
- Dual-Redundant VPX Power Supply slots
- Eight 6U VPX Payload slots

### Benefits

- Rugged construction suitable for field deployment in harsh environments
- Ideal for Phased Array Radars, Signal Processing, CCD/CMOS Imaging Sensors and FPGA SERDES applications
- 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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# VTX351

The backplane provides eight 6U VPX payload slots, fully compliant to VITA 46.0 baseline specification with additional support to the RTMs, compliant to VITA 46.10 and OpenVPX VITA65.

The chassis can accept 0.8-inch, 0.85-inch and 1.0-inch pitch modules. It provides fiber connectivity via VITA 66.5 blind-mate backplane connections and is ideal for field deployment in rugged, harsh environments.

## Power Supplies

The VTX351 has two dual-Redundant VPX power supply in slots 9 and 10.

## Chassis

The VTX351 is meant for integration in custom conduction or non-conduction cool chassis. Contact VadaTech Sales for available integrated solutions.

## Rear Mezzanine Cards

Custom mezzanine cards are available for connectivity expansion on the rear.

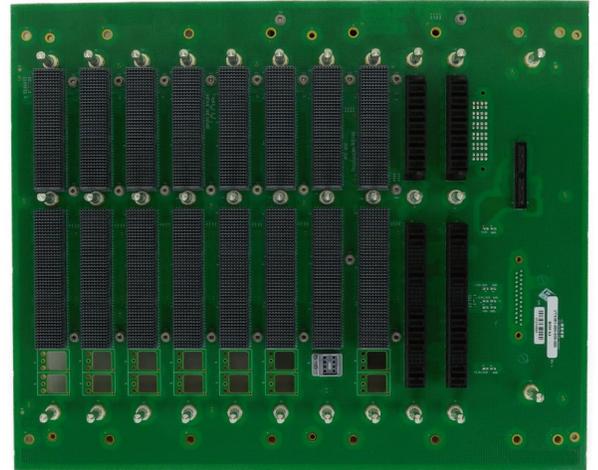


Figure 1: VTX351 Front View

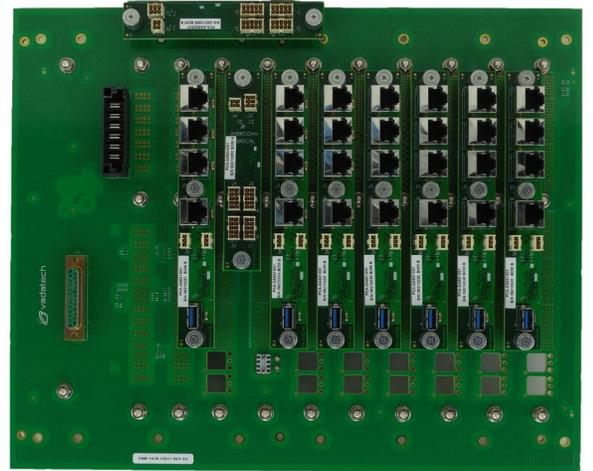


Figure 2: VTX351 Rear View

# Backplane Connections J1-J4

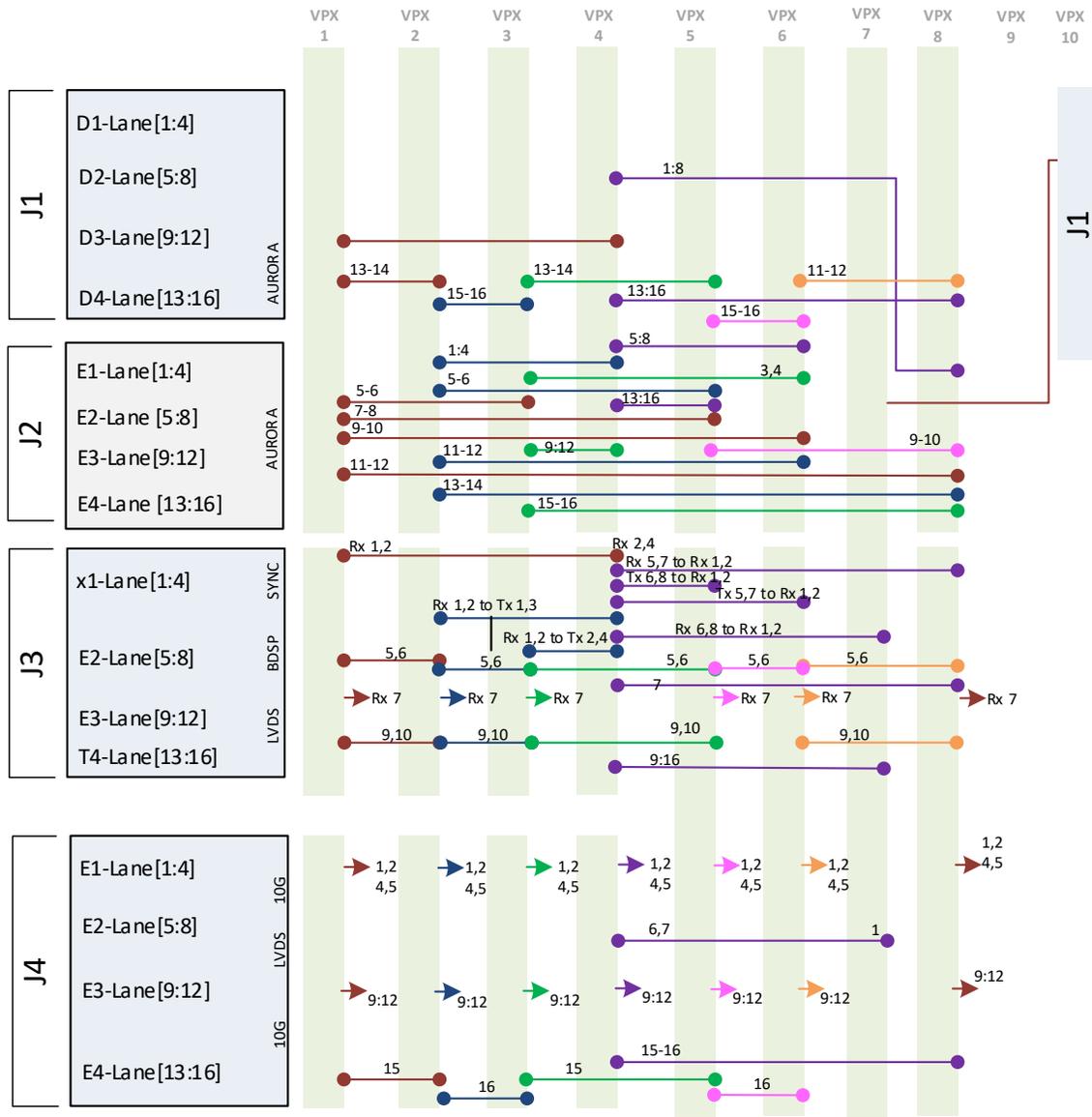


Figure 4: VTX351 Backplane Connections J1-J4

# Backplane Connections J0, J5-J6

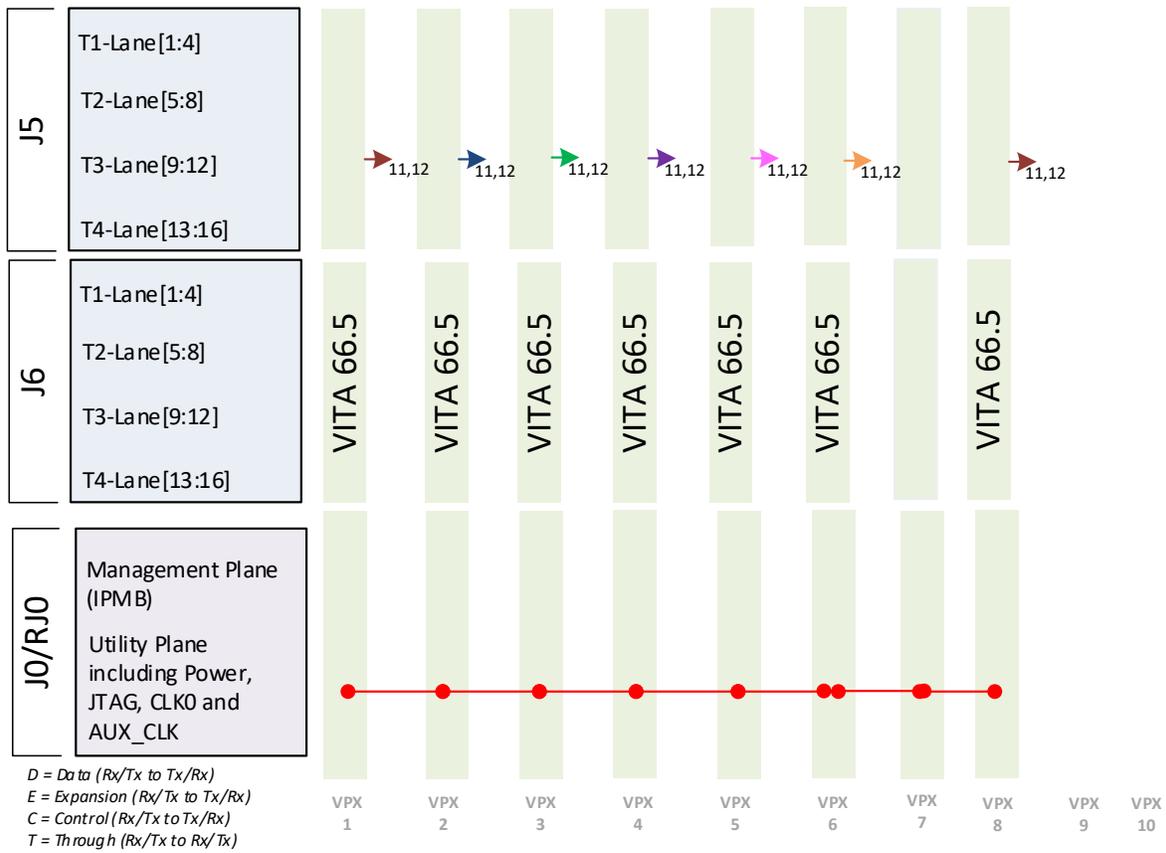


Figure 5: VTX351 Backplane Connections J5-J6 and J0

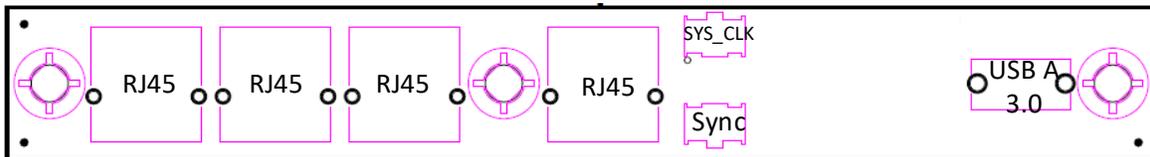


Figure 6: Mezzanine Card for FPGA Processing Slots



Figure 7: Mezzanine Card for RIB Slots

Please contact your local sales team for more information.

# Specifications

Architecture		
<b>Physical</b>	<b>Dimensions</b>	6U OpenVPX
<b>Type</b>	<b>VPX 6U</b>	8 Payload slots with two Power Entry Module slots
Standards		
<b>VPX</b>	<b>Type</b>	VITA 46.0 Baseline Specification
Configuration		
<b>Power</b>	<b>VTX351</b>	Dependent on Payload Configuration
<b>Environmental</b>		See <a href="#">Ordering Options</a>
Other		
<b>MTBF</b>		TBD MIL Hand book 217-F. Based on Order Option. Contact VadaTech sales for details.
<b>Certifications</b>		Designed to meet FCC, CE and UL certifications, where applicable
<b>Standards</b>		VadaTech is certified to both the ISO9001:2015 and AS9100D standards
<b>Warranty</b>		One (1) year, see <a href="#">VadaTech Terms and Conditions</a>

## 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

## VTX351 – ABC-000-GHJ

<b>A = Slot 4 to Slot 8</b>		
0 = Not connected 1 = Connected between slot 4 and slot 8		
<b>B = Mezzanine Cards</b>		<b>H = Environmental</b>
0 = Mezzanine Cards Fitted 1 = No Mezzanine Cards Fitted		See <a href="#">Environmental Specification</a>
		<b>J = Conformal Coating</b>
		0 = No coating 1 = Humiseal 1A33 polyurethane 2 = Humiseal 1B31 acrylic

## Environmental Specification\*

Option H	H = 4
<b>Operating Temperature</b>	-55°C to +95°C
<b>Storage Temperature</b>	-55°C to +100°C
<b>Operational Endurance Vibration</b>	V3* (0.1 g2/Hz max)
<b>Humidity</b>	95% non-condensing

Notes: \*Please contact VadaTech Sales for other specification

## Related Products

VPX552



- Intel Broadwell-D integrated with Xilinx Kintex UltraScale™ XCKU115 FPGA
- Intel® 5th Generation Xeon System-on-Chip (SoC)
- CPU 32 GB of DDR4 with ECC and FPGA 16 GB of DDR4

VTX350



- 6U VPX Chassis, 19" Rack Mountable per EIA-310D
- Rugged Chassis with High Density Fiber Optic I/O
- Fiber Optical Backplane per VITA 66.4 or 66.5

VPX980



- 6U VPX Chassis Manager Module compliant to VITA 46.11 w/Quad Core ARM Freescale processor
- One GB DDR3 memory with FRAM for log messages
- 32 GB of Flash, 8 GB of NAND Flash

# Contact

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DOC NO. 4FM737-12 REV 01 | VERSION 1.0 – MAR/21