

# 2.5" SATA CARRIER 3U OPENVPX

## THINKING FURTHER

OPTIONAL NECK LANYARD TO PREVENT DROPPING THE SSD/HDD ON THE FLOOR DURING REMOVAL/TRANSPORT TO DEBRIEFING.

## FIELD REMOVABLE

THE SSD/HDD IS FIELD REMOVABLE FROM THE INSTALLED CARRIER CARD, DEPENDING ON CHASSIS CONFIGURATION. THIS SYSTEM INTRODUCES DATA MOBILITY TO PCI'S VPX LINEUP.



## FEATURES

- REMOVABLE OR FIXED DISK
- 100,000 MATING CYCLES
- RUGGED, CONDUCTION COOLED
- PCIe GEN2 x2 OR SATA ON P1
- OPENVPX COMPATIBLE

## The 3U OpenVPX 2.5" SATA Carrier

For data mobility in mission critical data acquisition requirements using COTS products, the new carrier unit brings new options. PCI\_300.180 features a bridge chip for PCIe to SATA or direct SATA III connections to the backplane. The carrier can be configured to work in PCIe Gen2 x2 or SATA mode, both via P1 pins.

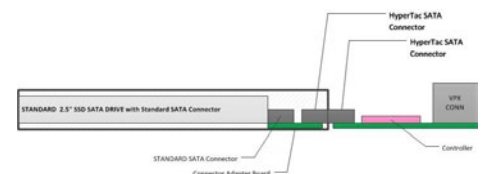
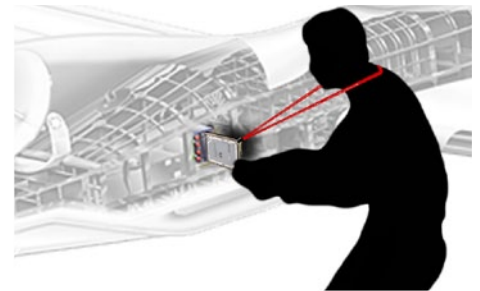
The slideable 2.5" module connects to the base carrier via a rugged, high mate cycle Hypertac connector.

OpenVPX profiles covered:

- SLT3-PER-2F-14.3.1
- SLT3-STO-2U-14.5.1

### MISSION DATA DOCK AND TRANSPORT SYSTEM:

- Optional neck lanyard to prevent dropping the unit on the floor during removal/transport to debriefing.
- Optional carrying case for transport from vehicle to debriefing area.



# Technical Specifications

## PHYSICAL CHARACTERISTICS

- 3U VPX-REDI VITA conform
- Conduction cooled
- Dimensions: VITA 3U
- 0.8 Inch pitch
- Accepts 2.5" SATA form factor drives

## POWER REQUIREMENTS

- 8W

## CONDUCTION COOLED

- Operating Temperature -40 to +85 °C
- Vibration 0.1 g<sup>2</sup>/Hz
- Shock 40 g



P0							
	A	B	C	D	E	F	G
1	VS2	VS2	VS2	NC	VS1	VS1	VS1
2	VS2	VS2	VS2	NC	VS1	VS1	VS1
3	VS3	VS3	VS3	NC	VS3	VS3	VS3
4	NVMRO	SYSRESET*	GND	-12V_AUX	GND	I2C_DATA	I2C_CLK
5	SMB_DATA	SMB_CLK	GND	3.3V_AUX	GND	GA4*	GAP*
6	GA0*	GA1*	GND	+12V_AUX	GND	GA2*	GA3*
7	TRST*	TMS	GND	TDI	TDO	GND	TCK
8	GND	RSVD	RSVD	GND	PCIE_REF_CLK+	PCIE_REF_CLK-	GND
P1: SLT3-PER-2F-14.3.1//SLT3-STO-2U-14.5.1 COMBINED							
	A	B	C	D	E	F	G
1	PCIE_RX+0	PCIE_RX-0	GND	PCIE_TX+0	PCIE_TX-0	GND	RSVD
2	GND	PCIE_RX+1	PCIE_RX-1	GND	PCIE_TX+1	PCIE_TX-1	GND
3	RSVD	RSVD	GND	RSVD	RSVD	GND	P1-VBAT
4	GND	RSVD	RSVD	GND	RSVD	RSVD	GND
5	RSVD	RSVD	GND	RSVD	RSVD	GND	SYS_CON*
6	GND	RSVD	RSVD	GND	RSVD	RSVD	GND
7	RSVD	RSVD	GND	RSVD	RSVD	GND	RSVD
8	GND	RSVD	RSVD	GND	RSVD	RSVD	GND
9	SATA_RX+	SATA_RX-	GND	SATA_TX+	SATA_TX-	GND	RSVD
10	GND	RSVD	RSVD	GND	RSVD	RSVD	GND
11	RSVD	RSVD	GND	RSVD	RSVD	GND	RSVD
12	GND	RSVD	RSVD	GND	RSVD	RSVD	GND
13	RSVD	RSVD	GND	RSVD	RSVD	GND	RSVD
14	GND	RSVD	RSVD	GND	RSVD	RSVD	GND
15	RSVD	RSVD	GND	RSVD	RSVD	GND	MASK_RESET*
16	GND	RSVD	RSVD	GND	RSVD	RSVD	GND

## CONDUCTION COOLED

CONDUCTION COOLING CONDUCTS HEAT AWAY FROM THE HOT SPOTS OF THE BOARD AND TRANSFERS THE HEAT TO THE CARD EDGES AND TO THE SYSTEM CHASSIS. THE HEAT FRAME LAYER TRANSFERS HEAT AND INTEGRATED WEDGE LOCKS STIFFEN THE CARRIER, ENABLING THE BOARD TO RESIST HIGH SHOCK AND VIBRATION.

## WHAT WE DO

PCI-SYSTEMS MANUFACTURES A VARIETY OF COTS MODULAR DESIGNED CONDUCTION COOLED CHASSIS FOR VPX AND CPCI APPLICATIONS, INCLUDING ATR AND ARINC 600 ENCLOSURES. OUR MISSION IS TO PROVIDE TECHNICALLY EXCELLENT DESIGN SOLUTIONS TO OEM'S BY DELIVERING THE MOST COST-EFFECTIVE, TECHNICALLY ADVANCED, AND RELIABLE/STABLE DESIGNS.

## Ordering Information

- PCI\_300.180.LAB -- 3U VPX PCIe to SATA III---LAB USE NON REMOVABLE DRIVE
- PCI\_300.180.RVBL -- 3U VPX Removable SATA carrier 2.5" PCIe to SATA III, can be jumpered for PCIe or direct SATA.