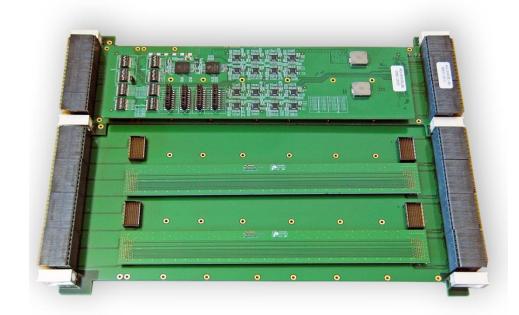
### DATASHEET

## **6U VPX EXTENDER MODULE**



#### 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.

### SWITCHED

### BACKPLANE GEN. 2

NO STUB designs
eliminate bandwidth
degradation and allow RF
signals to be connected
via COAX connectors to
the rear of the chassis.
Switches are designed as
mezzanine boards for
small packaging and
superior signal quality.

# **6U PCIe Gen3 Extender for Lab and Development**

The VPX extenders are built to extend a **6U VPX** module completely out of a chassis, providing access to all sides of the module for testing and debugging.

Our solution features a Tyco Multi-Gig RT-2 connector "mini" backplane to solve the problem of not having a right angle female connector. The optional mezzanines are connected to the base board via ERNI high speed 10 GBit/s connectors. Pin out: Standard VPX 1 to 1

- PCle Gen 3
- Controlled impedance
- 100 Ohm differential pairs
- LED power rail status monitoring
- Conforms to VITA 46 VPX and OpenVPX
- Alignment keying provided on both sides of the extender

## **Optional Mezzanines:**

- Re-driver for add-on cards
- Re-driver for CPU slot
- Bus Analyzer Mezzanine
- I/O
- Switched PMC to PMC (TOP)
- Switched XMC to XMC (Bottom)



# **6U VPX EXTENDER MODULE**

Picture 1: Switched lanes Mezzanine



#### .....

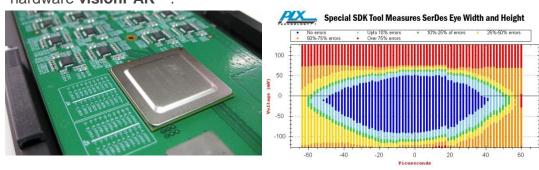
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### SWITCHED Backblane Gen.:

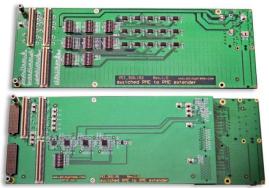
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Picture 2: Bus Analyzer Mezzanine

16 Iane Bus Analyzer works in conjunction with PLX's on-chip diagnostic hardware **visionPAK**™.



Picture 3: Switched PMC to PMC Switched XMC to XMC



### ORDERING INFORMATION:

Extender 6U VPX PCI\_300.510 Redriver Mezzanine (P1) PCI\_300.501 Passive Mezzanine (P2) PCI\_300.502 Bus Analyzer 16 lane (P1) PCI\_300.503

