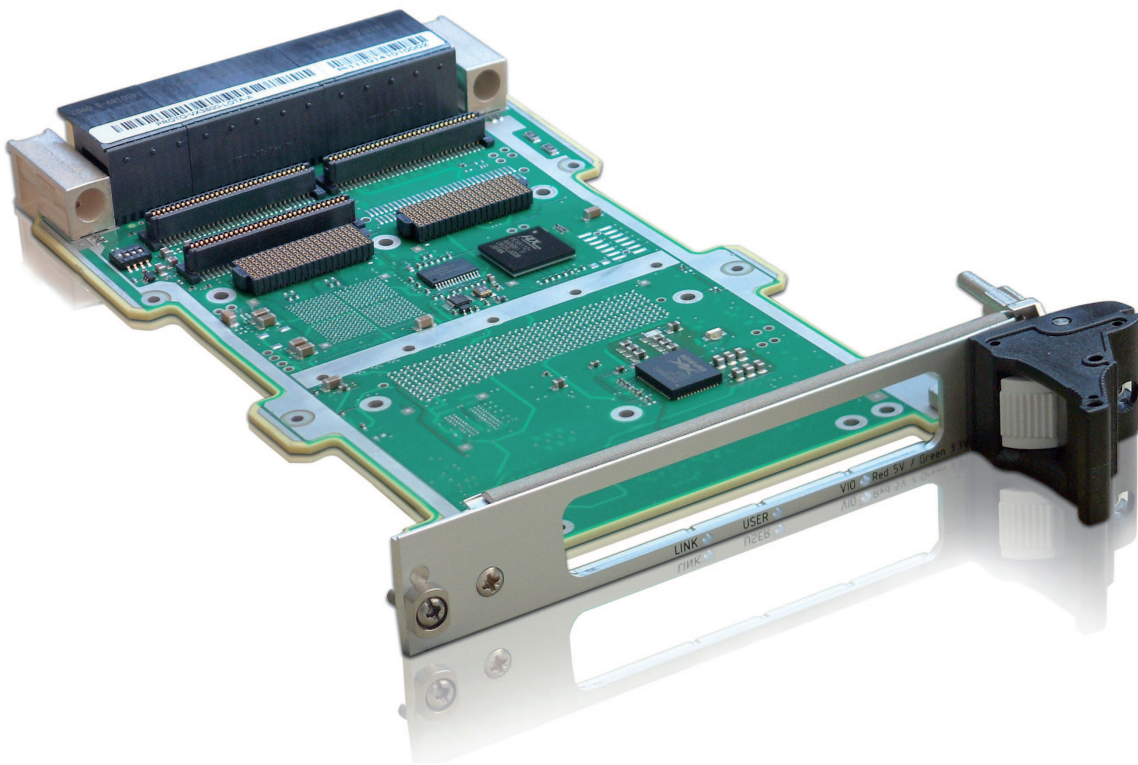


» VX3800 «

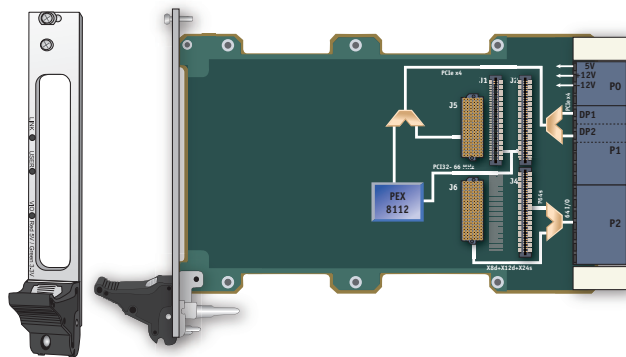


3U VPX/VPX-REDI XMC/PMC Carrier Card

- » x4 or x1 PCI-Express XMC Interface
- » 32-bit 66 MHz PCI PMC Interface
- » Standard Air- and Rugged Conduction-Cooled Versions

VX3800 is a 3U VPX carrier designed to support any standard XMC/PMC mezzanine and expand I/O flexibility to VPX systems. It provides one XMC/PMC site, alternately used as a PCIbus 32-bit/66 MHz or as an XMC site with either a x4 or a x1 PCI-Express link to the VPX backplane.

VX3800 is a member of Kontron's VITA 46 VPX Ecosystem which facilitates the implementation of VPX through an integrated offering.



Technical Information

VPX Interface	PCI-Express interface to VPX Data Plane 1 (P1 wafers 1 to 4) Interface to Data Plane 2 (P1 wafers 5 to 8) is a build option* 5V payload power by default on the VPX backplane for 3U/6U compatibility
XMC Interface	PMC J4 I/O routed to VPX P2 (XMC J6 I/O routed to VPX P2 is a build option*)
PMC Interface	PMC rear I/Os on mezzanine J4 are connected to the VPX P2 connector 32-bit, 33/66 MHz PCI interface
Voltage and power	PMC: V(I/O) signaling is +3.3V by default (V(I/O) signaling at 5V is a build option*) XMC: VPWR is 5V
Software	VX3800 is totally transparent to existing PMC or XMC Device Driver code
Dimensions	99.85 mm x 162.54 mm 0.8 inch face plate (1 inch is a build option*)

* for build options, please contact Kontron

Environmental Specifications

	SA - Standard Commercial	RC - Rugged Conduction-Cooled
Conformal Coating	Optional	Standard
Airflow	1.5 m/s at 55°C	NA
Temperature	VITA 47-Class AC1	VITA 47-Class CC4
Cooling Method	Convection	Conduction
Operating	0° to +55°C	-40° to +85°C
Storage	-45° to +85°C	-45° to +85°C
Vibration Sine (Operating)	20/500 Hz: 2g	22/2,000 Hz: 2g
Random	VITA 47-Class V1	VITA 47-Class V3
Shock (Operating)	20g/11 ms Half Sine	40g/11 ms Half Sine
Altitude (Operating)	-1,640 to 15,000 ft	-1,640 to 50,000 ft
Relative Humidity	90% without condensation	95% without condensation

Ordering Information

Article	Part.-No.	Description
VX3800-SA	VX3800-SA-00000	3U Air-Cooled Commercial Build, XMC/PMC carrier VPX DP1 Data Plane interface, PMC J4 I/O routing on VPX P2
VX3800-RC	VX3800-RC-00000	3U Rugged Conduction-Cooled Build, XMC/PMC carrier VPX DP1 Data Plane interface, PMC J4 I/O routing on VPX P2
Associated Products:		
VX3800-RTM	PB-VX3-000	3U VPX Rear Transition Module (with PIM connectors)

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#VX3800# 11082010MB
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