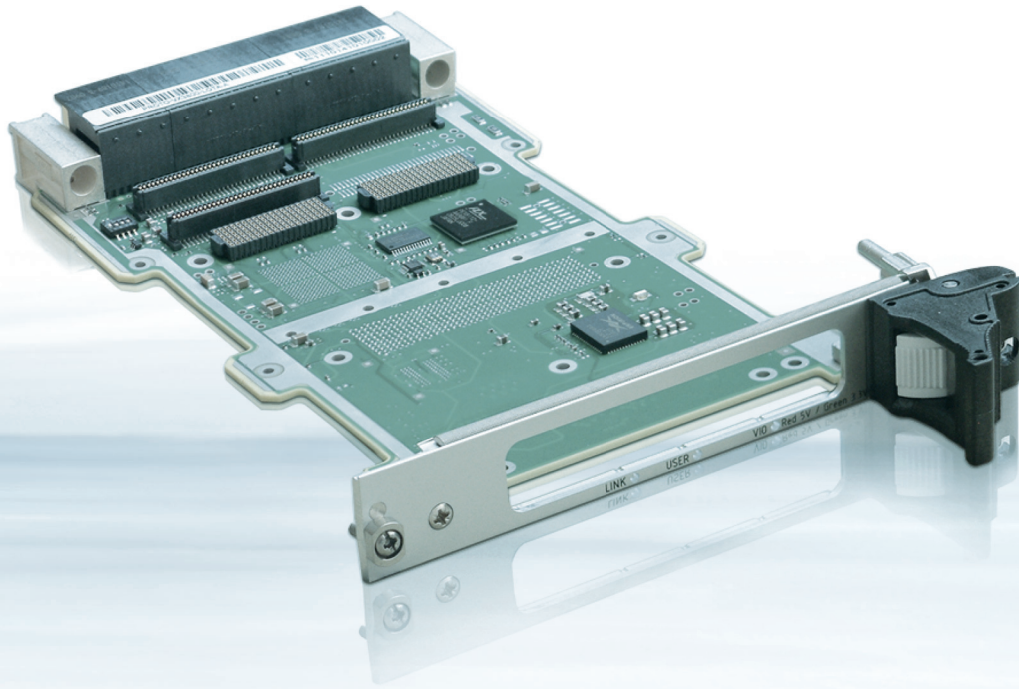


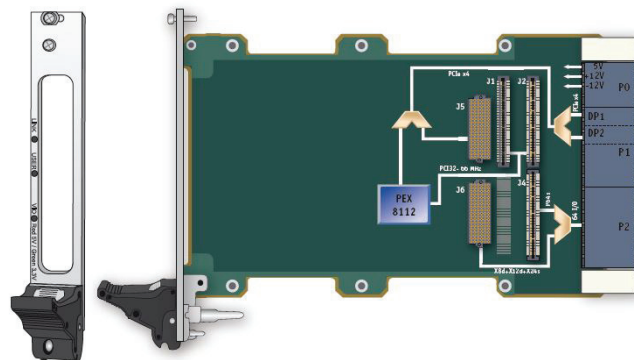
VX3800



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
- ▶ 0.8" (4 HP) or 1" (5 HP) face plates

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* 5 V 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 +3.3 V by default (V (I/O) signaling at 5 V is a build option*) XMC: VPWR is 5 V
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 built 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 °C to +55 °C	-40 °C to +85 °C
STORAGE	-45 °C to +85 °C	-45 °C to +85 °C
VIBRATION SINE (OPERATING)	20/500 Hz: 2 g	22/2.000 Hz: 2 g
RANDOM	VITA 47-Class V 1	VITA 47-Class V 3
SHOCK (OPERATING)	20 g/11 ms Half Sine	40 g/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, 3.3 V signaling, 0.8" board
VX3800-RC	VX3800-RC-0N000*	3U Rugged Conduction-Cooled Build, XMC/PMC carrier, VPX DP1 Data Plane interface, PMC J4 I/O routing on VPX P2, 3.3 V signaling, 0.8" board

ASSOCIATED PRODUCTS

VX3800-RTM	PB-VX3-000	3U VPX Rear Transition Module (with PIM connectors)
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* Preferred variants. For other features combinations (see User's Guide), please contact support-kom-sa@kontron.com.

▶ CORPORATE OFFICES

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