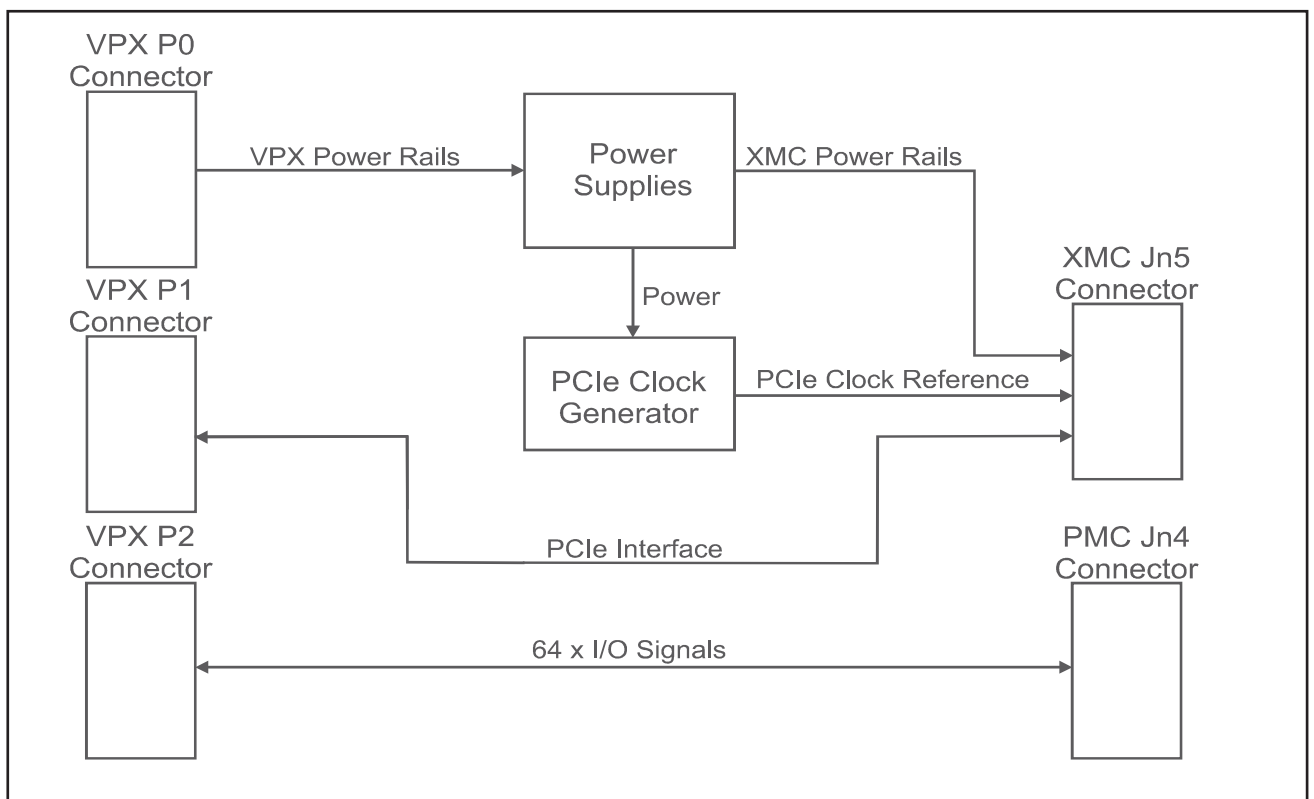


► XMC to VPX Converter

The XMC to VPX Converter facilitates the use of a Switched Mezzanine Card (XMC) Adapter in a VPX system. This converter can be used either for testing of XMC Adapters using a VPX-only host or it can be used in production systems, but an extra backplane slot will be required to accommodate the combination of the XMC Adapter and the XMC to VPX Converter.

The XMC to VPX Converter provides a single lane PCIe signal interface on the host XMC site.

The 64 I/O signals from the VPX P2 connector are routed through to the host PMC Pn4 Connector.



XMC to VPX Converter Block Diagram

Features

- single lane PCIe interface
- 64 x I/O signals routed to the PMC Pn4 Connector
- Provides both +5V and +12V VPOWER configurations to the XMC site

Applications

- production or field tests



► **XMC to VPX Converter**

Specifications			
PCIe Interface	Single lane, 2,5 GHz PCIe Electrically : PCI Express Rev. 2.0		
Reliability	Figures according to MIL-HDBK-217F, Parts Stress Method		
	Commercial and Industrial Grade	Ground Benign, Controlled, 25 C	750 000 hours
	Ruggedised Grade	Ground, Mobile, 45 C Naval, Sheltered, 40 C Airborne, Inhabited Cargo, 55 C	150 000 hours 250 000 hours 200 000 hours
Physical Characteristics			
Formfactor	Dimensions		Mass
VPX Base Standard ANSI/VITA 46.0-2007 (R2013)	100 mm x 160,00 mm (+0,0 / -0,5 mm), height envelope of 16,00 mm		150 g +/- 10 g
Environmental Specifications			
Grade	Commercial	Industrial	Ruggedised
Temperature - Operating - Storage	0 C to +55 C -40 C to +85 C	-15 C to +75 C -40 C to +85 C	-40 C to +85 C -55 C to +125 C
Humidity	0% to 90%	0% to 95%	0% to 95%
Shock	10 g peak for 11 ms	20 g peak for 11 ms	40 g peak for 11 ms
Vibration - Sine - Random	2 g (peak) at 10 Hz to 100 Hz 0,04 g²/Hz at 15 Hz to 2 kHz	5 g (peak) at 5 Hz to 2 kHz 0,06 g²/Hz at 15 Hz to 2 kHz	10 g (peak) at 5 Hz to 2 kHz 0,01 g²/Hz at 15 Hz to 2 kHz
Part Selector			
Part Designation	Cooling	Grade	
CCII/FFC/XMCPX/COM	Air	Commercial	
CCII/FFC/XMCPX/IND	Air	Industrial	
CCII/FFC/XMCPX/RGD	Air	Ruggedised	
CCII/FFC/XMCPX/CC	Conduction	Ruggedised	