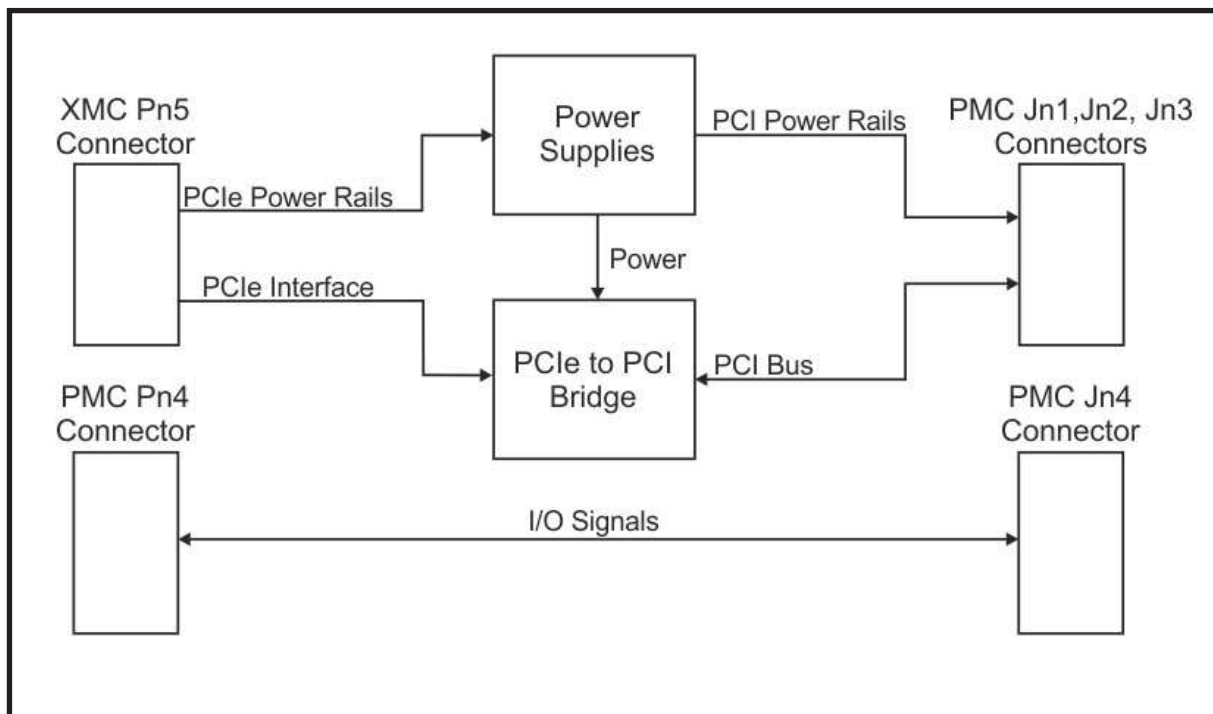


► PMC to XMC Converter

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

The adapter provides a single lane PCIe signal interface on the host XMC site. A 33 or 66 MHz PCI Bus signal interface with either 32 bit or 64 bit bus extension is provided to the host PMC site.

The PMC Jn4 I/O signals are routed through to the host PMC site.



PMC to XMC Converter Block Diagram

Features

- single lane PCIe to 33/66 MHz, 32 or 64 bit PCI Bus interface
- power, Bus Mode, Reset and Interrupt LED indicators

Applications

- production or field tests



► **PMC to XMC Converter**

Specifications			
PCIe Interface	Single lane, 2,5 GHz PCIe Electrically : PCI Express Rev. 2.0		
PCI Interface	32-bit or 64-bit PCI, 33/66 MHz Electrically : PCI Rev. 2.2; 3,3 V signalling		
Reliability	Figures according to MIL-HDBK-217F, Parts Stress Method		
	Commercial and Industrial Grade	Ground Benign, Controlled, 25 C	750 000 hours

Physical Characteristics		
Formfactor	Dimensions	Mass
CCXMC (ANSI/VITA 42.0-2005)	143,75 mm x 74,00 mm (+0,0 / -0,5 mm), height envelope of 16,00 mm	50 g +/- 10 g

Environmental Specifications		
Grade	Commercial	Industrial
Temperature - Operating - Storage	0 C to +55 C -40 C to +85 C	-15 C to +75 C -40 C to +85 C
Humidity	0% to 90%	0% to 95%
Shock	10 g peak for 11 ms	20 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

Part Selector	
Part Designation	Grade
CCII/FFC/XMCPMC/COM	Commercial
CCII/FFC/XMCPMC/IND	Industrial