

# XMC Carrier / Adapter

## PCI Express to XMC adapter

This passive 8X XMC-to-PCI express carrier card permits the use of PCI express 1X, 2X, 4X, 8X or 16X cards on XMC carrier boards.

The female PCI express connector on the secondary side operates at widths of 1X through 16X, although only 8 channels are connected, as a result for a 16X board channels 8 thru 15 will not be connected.

On the XMC primary side of the P15 connector all 8 PCI express channels connect up with the female PCI express connector. The reserved future use, RFU, signals from P15 are available on one of the user connectors.

On the XMC primary side all the P16 connector signals have been brought out to connectors UC1 and UC2.

The P16 differential pairs have been laid out so that the differential pairs line up with twisted pair ribbon

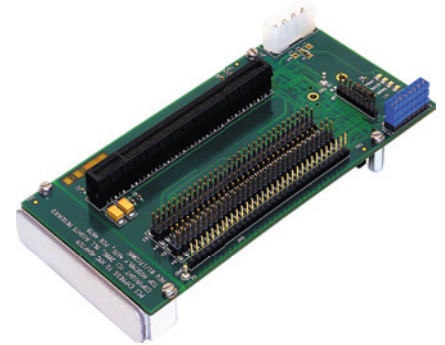
cables. The P16 single ended signals have also been brought out to UC1 and UC2.

A 32 pin header is available parallel to UC1 and UC2 for grounding purposes.

Several activity LEDs located at the edge of the board give an indication of key XMC and PCI Express signals and voltages.

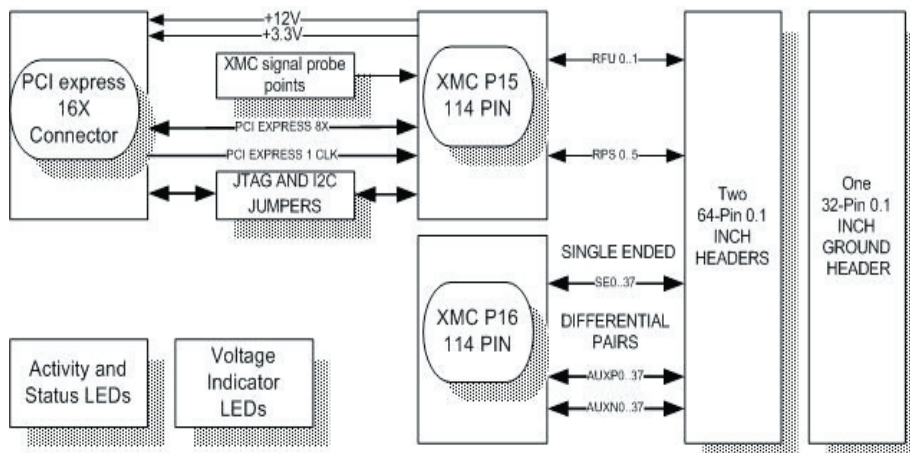
The JTAG signals from the XMC bus and the PCI express bus are brought out to headers allowing users the option of connecting the PCI express JTAG port to the PMC JTAG port or connecting JTAG devices to either port. The I2C signals for both buses are brought to the same headers.

A PMC/XMC type front panel provides firm positioning of the board where an XMC/PMC mounting panel is available.

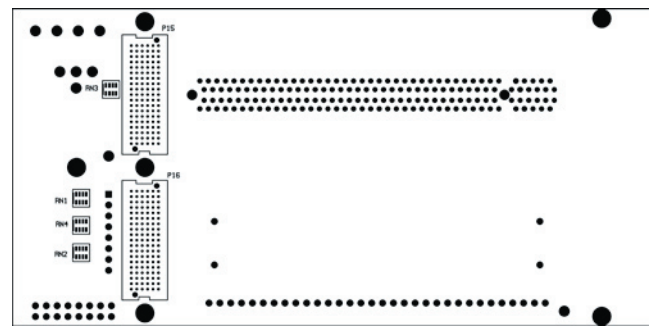
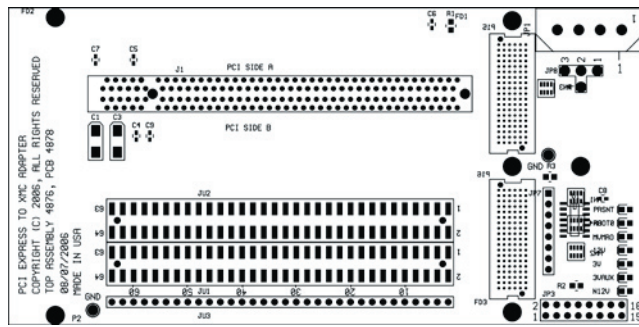


4876

- Adapts a PCIe Card to an XMC Site
- Supports up to 8 PCIe Lanes
- 2.5 Gb/s per Lane (each direction)
- Permits Access to P16 Signals, I2C, and JTAG
- LEDs Show Key XMC Signals and Voltages
- Accommodates External Power
- RoHS 6/6 Compliant



**Technobox**



## Specifications

Temperature (Operating): 0 to 55 C  
 Temperature (Storage): -40 to +85 C  
 Altitude: Not specified or characterized (Typical similar equipment is at 15,000 ft.)  
 Humidity (Operating/Storage): 5% to 90% non-condensing  
 Vibration: Not specified or Characterized  
 MTBF: Can be provided upon request  
 Typical Power Dissipation: Per PMC under test  
 PCI Environment: 3.3V, 5V, PCI-X 32/64 bit, 33/66/100/133 MHz

## Ordering Information

4876: PCI Express to XMC Adapter carrier

