

Product Name: ZX181 FMC VITA 57.1 breakout adapter - passive FPGA Mezzanine Card LPC

Product Description: FPGA Mezzanine card , FMC , passive breakout adapter, meeting VITA 57.1 standard bus interface. Includes 4 rows x 40 pins, totaling **160** pins, Low Pin Count , LPC , housing SEAM connector. ONLY rows 3, 4, 7, 8 (C, D, G, H rows) are available

Provides prototype area as well as spacer for SMD 0402 type package for each signal at 50 Ohms trace impedance.

Samtec Molex HI-SPEED HI-DENSITY SEARRAY design connectors.

Fully compatible with 4 rows x 40 pins per row single ended or differential pairs design configuration

- Designed in **8 layer** PCBoard
- **All signals** are accessible via standard 0402 SMD footprint, see Access
- Improved signal integrity and crosstalk with **8 layers** PCB with each layers guarded by GROUND plane.
- Matching connector's **50Ω trace impedance on all traces** – Reference plane impedance 50Ω for DC to 10GHz bandwidth applications

GND test point for easy access as well as applying external ground reference

Application: FPGA Mezzanine Card , FMC , VITA 57.1 , FPGA Bringup, testing, emulation, Xilinx development Virtex 6 Virtex 7 interface testing daughter board to host, modular design evaluations

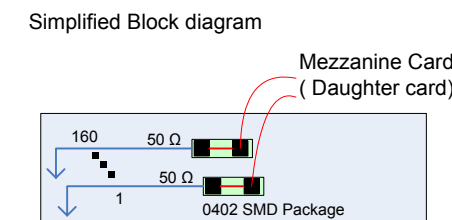
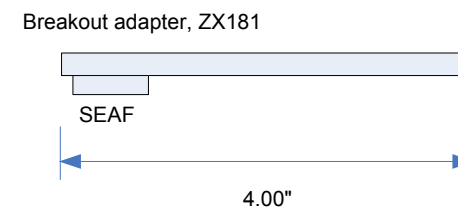
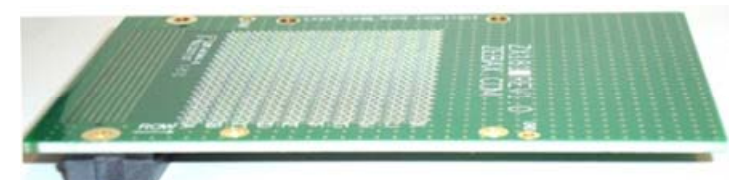
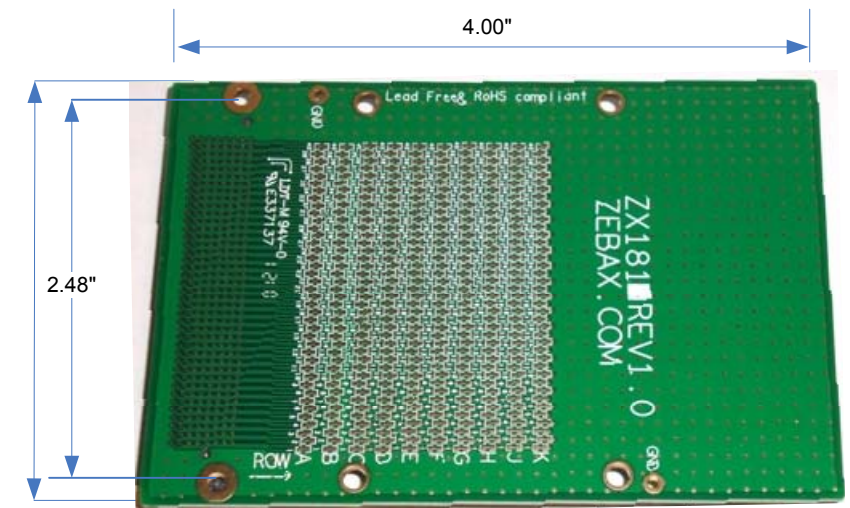
Mates with : Xilinx FPGA development systems Virtex 6 Virtex 7.
Any and all FMC VITA 57.1 compliant design.
SEAM SADL SEAMP SEAR SEAMI SEAC FMC LCP
SEAMP-040 SEAMI-040 SEAR-040-10-10- SEAM-040

All listed Samtec Molex FMC connectors listed, table below:

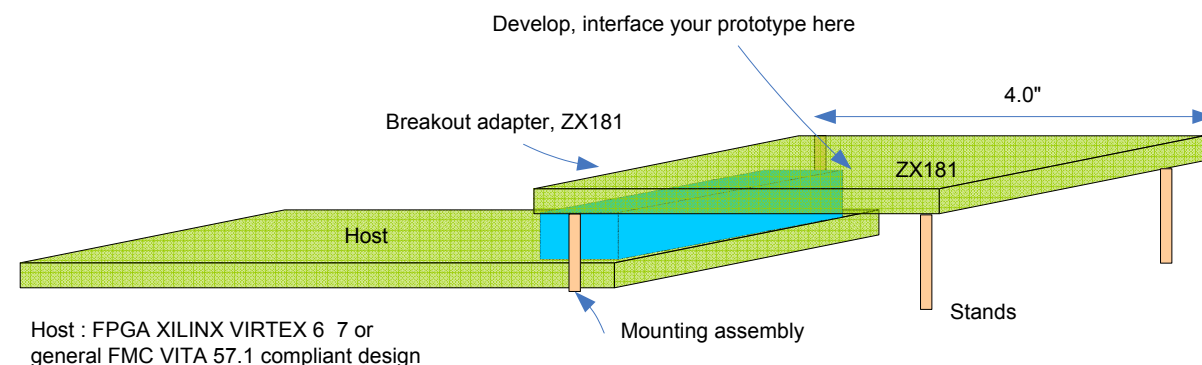
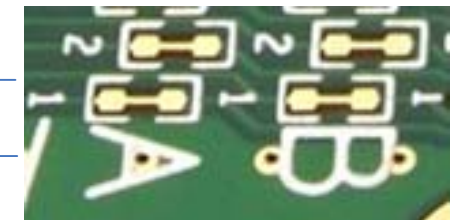
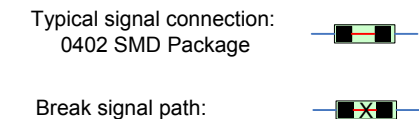
ZX181 LPC FMC breakout adapter mates with the following Samtec Molex SEARRAY™ VITA 57 Connectors			
Molex PN	Samtec PN	VITA PN	Description
45971-4307	ASP-127796-01	CC-LPC-10L	female
45971-4305	ASP-134603-01	CC-LPC-10	female

Pitch: 1.27mm (0.05") High Speed connector

Access: SMD 0402 Package footprint.
Default : All conductors are enabled



Host
Note: Prototype (Daughter card) can be wired to ZX181 passive breakout adapter



Note
ALL ZEBAX products are RoHS compliant and Lead Free unless otherwise indicated.

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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT		ASSEMBLY DRAWING ITEM: ZX181-LPC
DESCRIPTION: ZX181 FMC VITA 57.1 breakout adapter – passive FPGA Mezzanine Card LPC		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1