

Product Name: ZX180 MegArray Mezzanine Card FPGA breakout adapter passive, FCI

Product Description: MegArray FPGA Mezzanine card breakout adapter. Includes MegArray 10 rows x 40 pins, totaling 400 pins, housing both PLUG and Receptacle connectors.

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

Fully compatible with 10 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

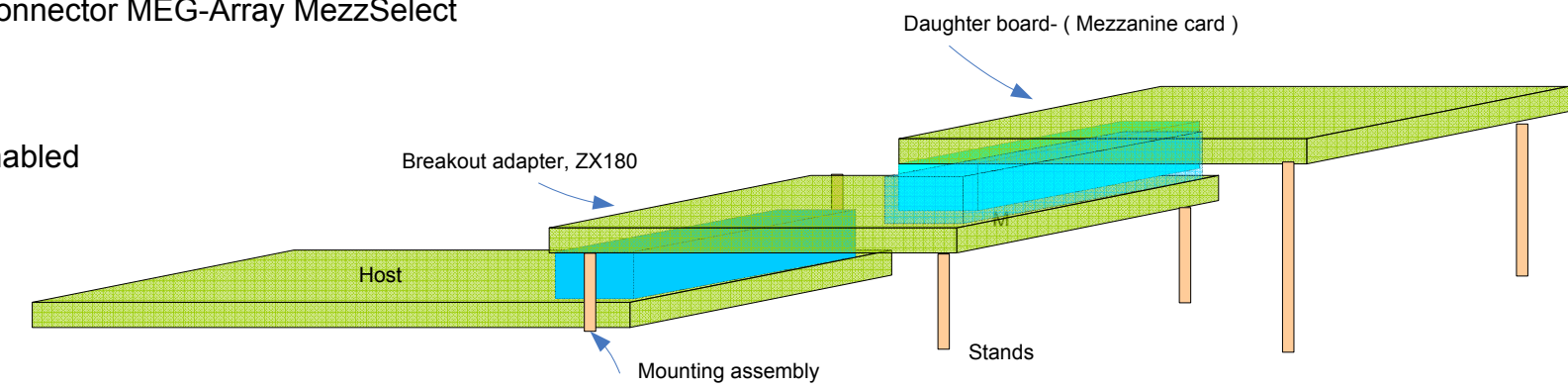
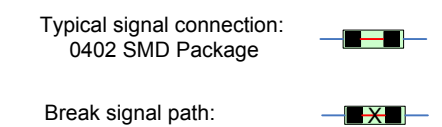
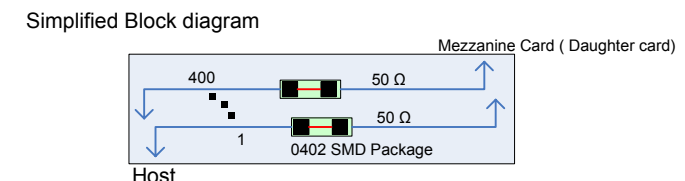
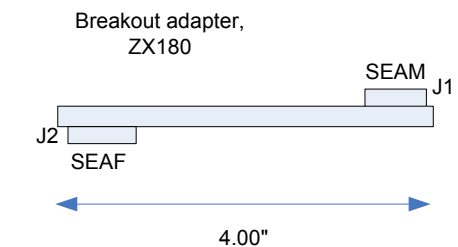
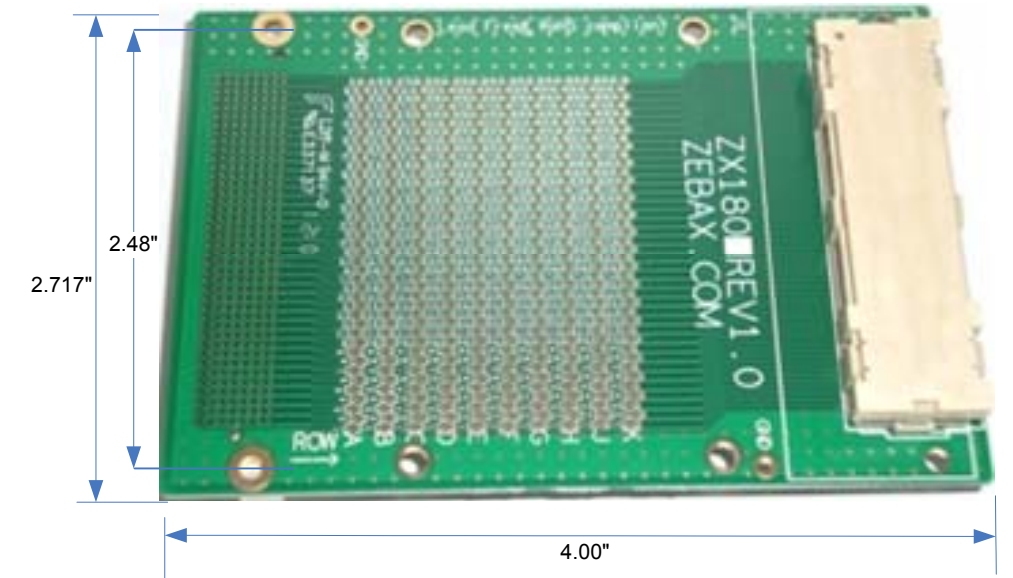
Application: MegArray FPGA Mezzanine Card (daughter) FMC, FPGA Bringup, testing, emulation, Xilinx development Virtex 6 Virtex 7 DiniGroup FPGA board interface, interface testing daughter board to host, modular design evaluations, Board to board

Mates with : FPGA systems Virtex 6 Virtex 7 connecting daughter board to Host
 Any and all FMC VITA 57.1 compliant design using FCI Meg-Array 400 pins design.
 Meg-Array Meg-Array 10 rows x 40 pins per row FPGA Mezzanine Card (daughter)
 84520-002 84520-002LF 84520-102 84520-102LF 84520-202 84520-202LF 6mm Plug
 84740-002 84740-002LF 84740-102 84740-102LF 84740-202 84740-202LF 0mm Plug
 74221-001LF 74221-101LF 74221-201LF 4mm Receptacle
 74388-001LF 74388-101LF 74388-201LF 6mm Receptacle
 74390-001 74390-001LF 74390-101 74390-101LF 74390-201 74390-201LF 8mm Receptacle

Mated Stack Height: 4mm 6mm 8mm 10mm 12mm 14mm
 Meets Telcordia GR-1217-CORE and NPS25298-2 Specifications

Pitch: 1.27mm (0.05") High Speed connector MEG-Array MezzSelect

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



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: ZX180-MegArray	
DESCRIPTION: MegArray FPGA Mezzanine Card breakout adapter passive		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0
		SHEET: 1 OF 1

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