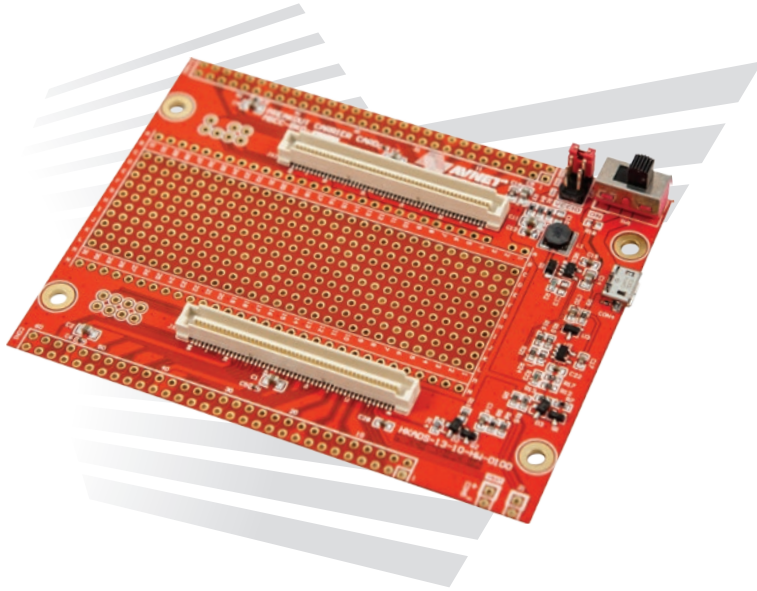


Avnet Product Brief

MicroZed Breakout Carrier Card Product Brief



DESIGNED BY AVNET



The Breakout Carrier Card supports the MicroZed™ Evaluation Kit and System-on-Module (SOM), providing easy access to 100 Programmable Logic (PL) user I/O available from the MicroZed SOM. Two 100-pin MicroHeaders on the carrier card mate with the MicroZed, connecting the Programmable Logic (PL) I/O to two simple 0.1" connector footprints as well as a bread-boarding area. The Breakout Carrier Card generates the necessary power rails for MicroZed, providing 5 V to the MicroZed core and a user selectable bank voltage for the PL I/O and Breakout connectors. The Breakout Carrier Card is the simplest, least expensive way to enable the PL I/Os on the MicroZed SOM.

Kit Includes

- >> Breakout Carrier Card
- >> 5 V @ 2 A AC/DC Power Supply with microUSB power cable
- >> MicroZed mounting hardware
- >> Two 2 x 30 female sockets
- >> Quick Start Card

For more information and to purchase the carrier card, visit www.MicroZed.org

Features

>> Interfaces

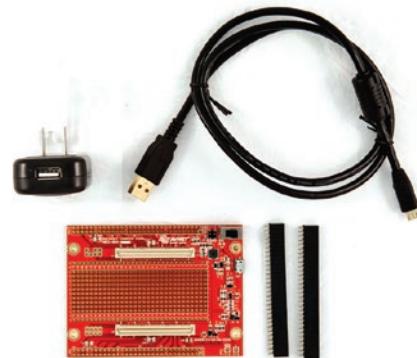
- >> Two 100-pin board-to-board MicroHeaders
- >> Two 60-pin (2 x 30) 0.1" footprints
 - > Two 2 x 30 female sockets included in the kit
 - > May be mounted by the user on either top or bottom side
 - > Accesses 100 user I/O, 5 V, Vccio, GND and two control signals

>> Power

- >> Internal
 - > Proper sequencing and handshaking as per MicroZed Carrier Card Design Guide
 - > 5 V for MicroZed power routed from input power
 - > 1.8/2.5/3.3 V @ 1 A Regulator for MicroZed and Breakout VCCio
- >> Input
 - > 5 V @ 2 A input via microUSB connector
- >> Vbat header footprint for experimenting with Zynq security keys (optional)

Target Applications

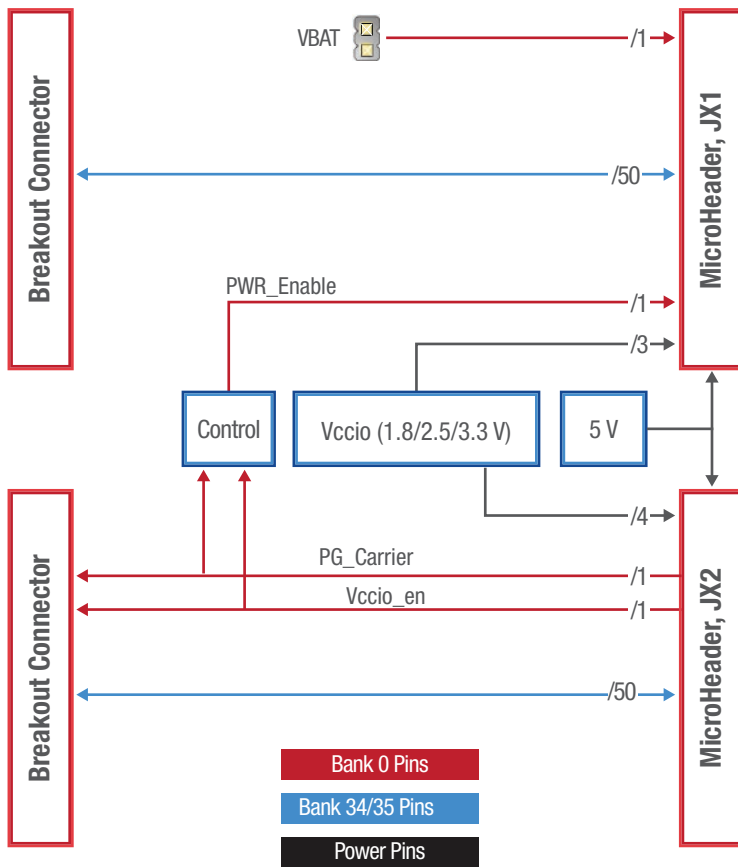
- >> Zynq evaluation and prototyping
- >> Embedded system-on-module (SOM) applications
- >> Test & measurement
- >> General I/O Expansion



Accelerating Your Success™

Block Diagram

Featured Manufacturers



Ordering

Part Number	Description	Resale
AES-MBCC-BRK-G	MicroZed Breakout Carrier Card	\$59 USD
Related Parts		
AES-Z7MB-7Z010-G	MicroZed Evaluation Kit	\$199 USD

Visit the product website referenced below to learn more about our standard and extended temperature MicroZed SOM options.

For more information and to purchase the carrier card, visit www.MicroZed.org

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