

MicroZed™ Breakout Carrier Card



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.

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

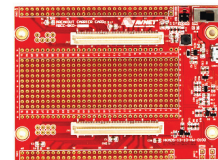
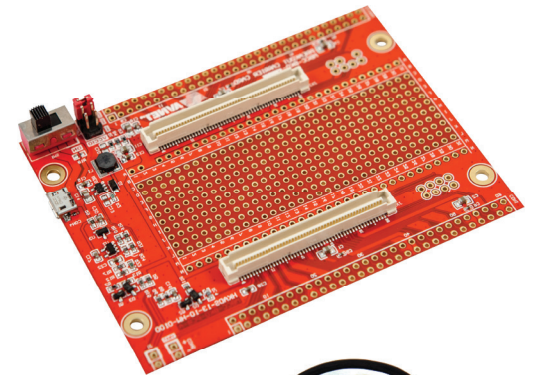
Power

- 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

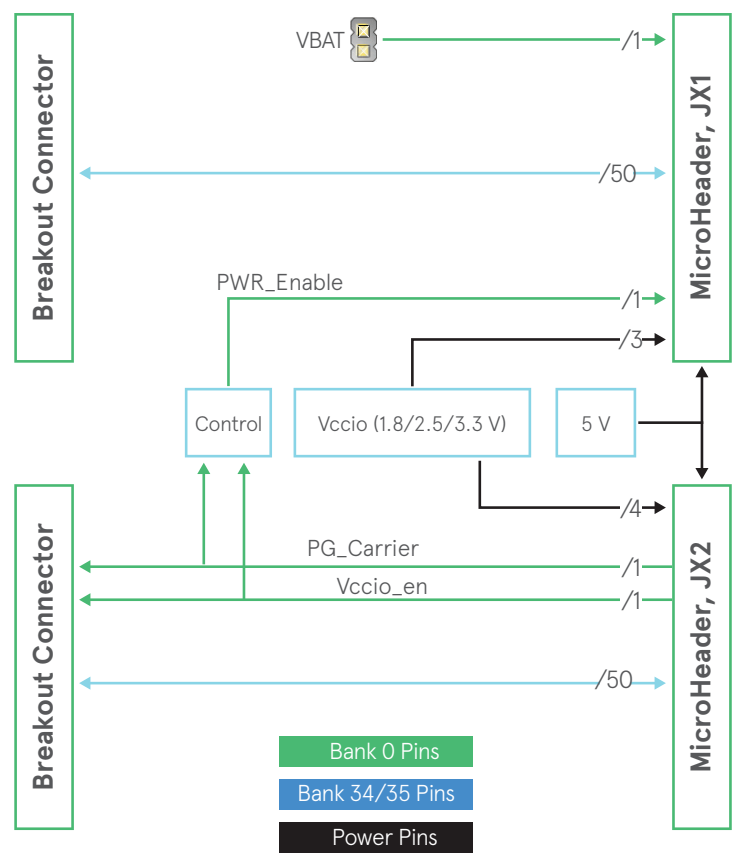
For more information and to purchase the carrier card, visit www.microzed.org



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

BLOCK DIAGRAM



FEATURED MANUFACTURERS



PARTS

Part Number	Description	Resale
AES-MBCC-BRK-G	MicroZed Breakout Carrier Card	\$59 USD

RELATED PARTS

Part Number	Description	Resale
AES-Z7MB-7Z010-G	MicroZed Evaluation Kit	\$199 USD

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

CONTACT INFORMATION

North America
2211 S 47th Street
Phoenix, Arizona 85034
United States of America
eval.kits@avnet.com
1-800-585-1602

Europe
Gruber Str. 60c
85586 Poing
Germany
marketing@silica.com
+49-8121-77702

Europe (EBV)
Im Technologiepark 2-8
85586 Poing
Germany
<http://ebv.com/contact>

Japan
Yebisu Garden Place Tower, 23F
4-20-3 Ebisu, Shibuya-ku
Tokyo 150-6023 Japan
eval-kits-jp@avnet.com
+81-(0)3-5792-8210

Asia
151 Lorong Chuan,
#06-03 New Tech Park
Singapore 556741
ASIA-EM-ADS@avnet.com
+65-6580-6000