

# MicroZed™ Carrier Card Kit for Arduino™



The MicroZed™ Carrier Card Kit for Arduino™ brings both Shield expansion and Peripheral Module expansion (2x6 pin connectors) to the MicroZed System-On-Module. The carrier card is ideal for building quick prototypes that leverage the large number of Arduino-compatible Shields.

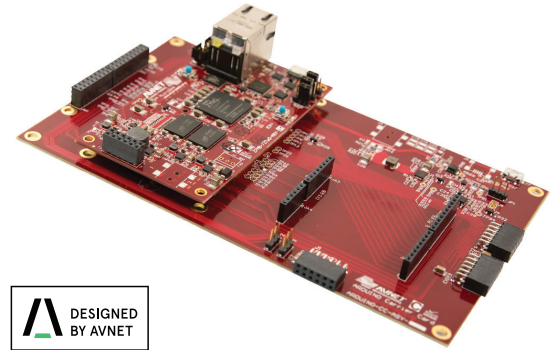
## This low-cost platform facilitates:

- Expansion of platform functionality via a wide range of 3rd party Arduino™-compatible "Shields"
- Design partitioning to include ultra low-power MCU to offload and control the Apps Processor
- Power management and scheduling of the MicroZed board by an optional Microcontroller board
- 2x6 Peripheral expansion connectors for MicroZed as well as the optional MCU sub-system

## FEATURES

- Carrier Card support for MicroZed SOMs
- Full Arduino-compatible Shield site with connection to MicroZed PL I/O
- Partial Arduino-compatible Shield site for connection to optional low-power MCU sub-system
  - Supports MCU ON/OFF control of MicroZed power
  - Enables offloading of MicroZed tasks to the low-power MCU
  - Facilitates low-power sensor hub functionality, autonomous from MicroZed application processor
- Adds two 2x6 peripheral module expansion interfaces to MicroZed
  - Supports interface for PS based SDIO/SPI
  - Supports interface for PL based I/O
- Adds one 2x6 peripheral module expansion interface to the low-power MCU connector
  - Supports interface for I2C/UART

To purchase this kit, visit  
[www.microzed.org/product/arduino-cc](http://www.microzed.org/product/arduino-cc)

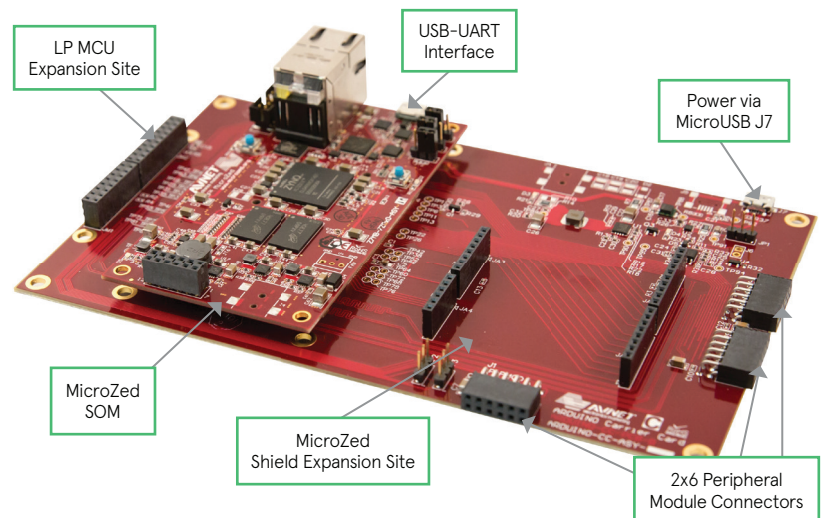


## KIT INCLUDES

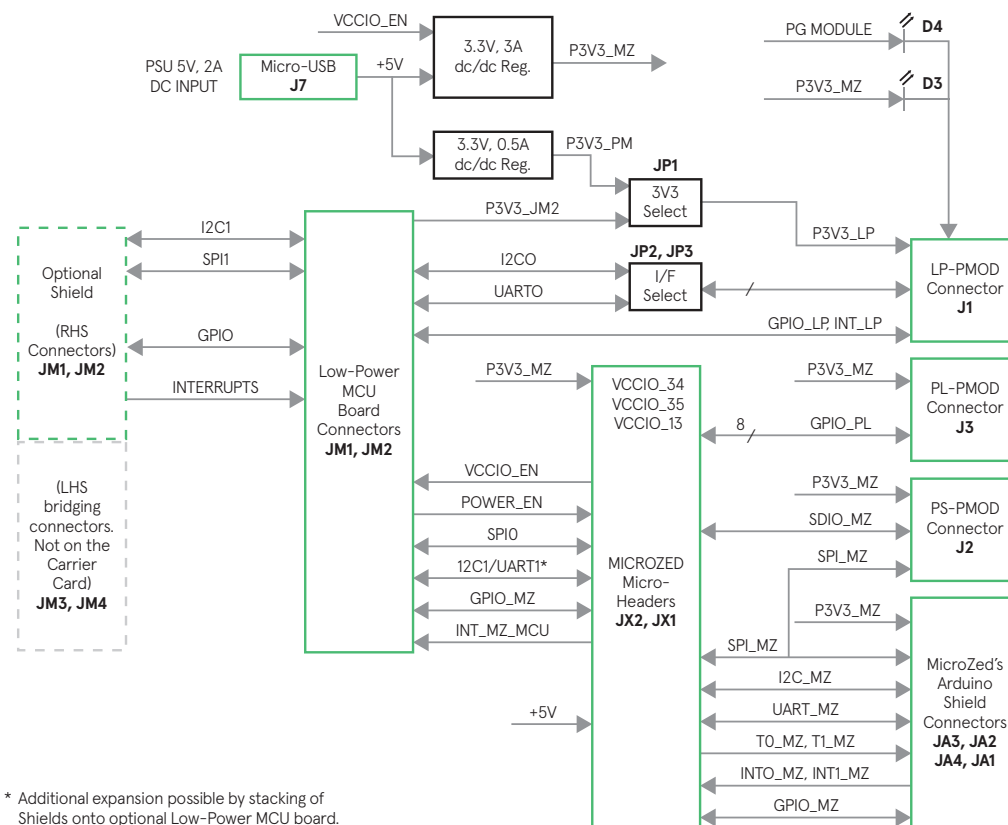
- MicroZed™ Carrier Card Kit for Arduino™
- MicroUSB Cable
- Downloadable Zynq-based Reference Design

## TARGET APPLICATIONS

- MicroZed prototyping that leverages the ecosystem of Shield boards for Arduino
- MCU power and run control of MicroZed SOM



## BLOCK DIAGRAM



## FEATURED MANUFACTURERS



## PARTS

Part Number	Description	Resale
AES-ARDUINO-CC-G	MicroZed™ Carrier Card Kit for Arduino™	\$89 USD

## RELATED PARTS

Part Number	Description	Resale
AES-Z7MB-7Z010-G	Avnet MicroZed™ Evaluation Kit	\$199 USD
FRDM-KL46Z	Freedom Development platform for Kinetis L series KL46	\$19.56 USD
CENB1010A0500B04	AC/DC Power Supply 5V,2A	\$7.99 USD

Countries Available for Purchase: Americas, EMEA, Asia, Japan

## CONTACT INFORMATION

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