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-cck

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
**FEATURED MANUFACTURERS**

![Xilinx Logo]

**PARTS**

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<th>Part Number</th>
<th>Description</th>
<th>Resale</th>
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<td>AES-ARDUINO-CC-G</td>
<td>MicroZed™ Carrier Card Kit for Arduino™</td>
<td>$89 USD</td>
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**RELATED PARTS**

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<td>AES-Z7MB-7Z010-G</td>
<td>Avnet MicroZed™ Evaluation Kit</td>
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<tr>
<td>FRDM-KL46Z</td>
<td>Freedom Development platform for Kinetis L series KL46</td>
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<tr>
<td>CENB1010A0500B04</td>
<td>AC/DC Power Supply 5V, 2A</td>
<td>$7.99 USD</td>
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Countries Available for Purchase: Americas, EMEA, Asia, Japan

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LIT# 5060-PB-ARDUINO-CC-V1