The Breakout Carrier Card is a simple prototyping platform for all PicoZed™ SDR System-on-Modules (SOMs), providing easy access to user I/O, Ethernet, USB, JTAG, and serial connections. Four 100-pin Micro Headers on the carrier card mate with the PicoZed SDR SOM, connecting the user I/O to 6 banks of 0.1” through-hole connector footprints. The Breakout Carrier generates the necessary power rails for PicoZed SDR, providing 5V to the SOM plus user selectable bank voltages for the Zynq PL I/O. In addition, the carrier provides multiple access points to supply external I/O bank voltages and measure power consumption of the SOM.

FEATURES
- 10/100/1000 Mbps Ethernet
- USB2.0 OTG
- USB-UART
- PC4 JTAG interface
- 162 User I/O pins
  - Two 60-pin (2x30) 0.1” footprints
  - Four 32-pin (2x16) 0.1” footprints
- 4 user push buttons
- 4 user switches
- 4 user LEDs
- 5V @ 2A input
- Select 1.8V, 2.5V, or 3.3V for SOM I/O or insert an external supply
- Measure Zynq PL I/O bank current with convenient access points

TARGET APPLICATIONS
- Prototype with PicoZed SDR SOMs
- Portable agile wireless communications
- P25 Public Safety Radio
- Point-to-point communication
- Femtocell & picocell base stations
- Portable Instrumentation

To purchase this kit, visit www.picozed.org/sdr-breakout-carrier
**FEATURED MANUFACTURERS**

![Xilinx](image1)

**PARTS**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Resale</th>
</tr>
</thead>
<tbody>
<tr>
<td>AES-PZSDRCC-BRK-G</td>
<td>PicoZed SDR Breakout Carrier</td>
<td>$199 USD (1-99)*</td>
</tr>
</tbody>
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*Contact your local Avnet sales office for pricing on higher quantities

**RELATED PARTS**

<table>
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<th>Part Number</th>
<th>Description</th>
<th>Resale</th>
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<tbody>
<tr>
<td>AES-Z7PZ-SDR1-G</td>
<td>PicoZed SDR 1x1 SOM with Xilinx Zynq Z-7020 and Analog Devices AD9364</td>
<td>$549 USD (1-99); $499 (1000+)</td>
</tr>
<tr>
<td>AES-Z7PZ-SDR2-G</td>
<td>PicoZed SDR 2x2 SOM with Xilinx Zynq Z-7035 and Analog Devices AD9361</td>
<td>$1,095 USD (1-99); $995 USD (100+)</td>
</tr>
</tbody>
</table>

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

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