

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.

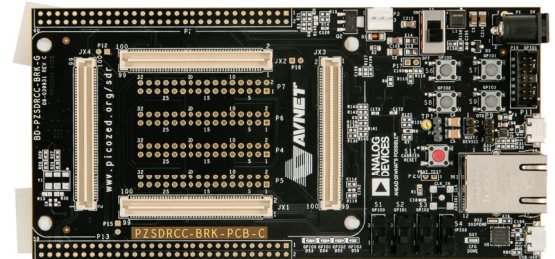
FEATURES

- 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

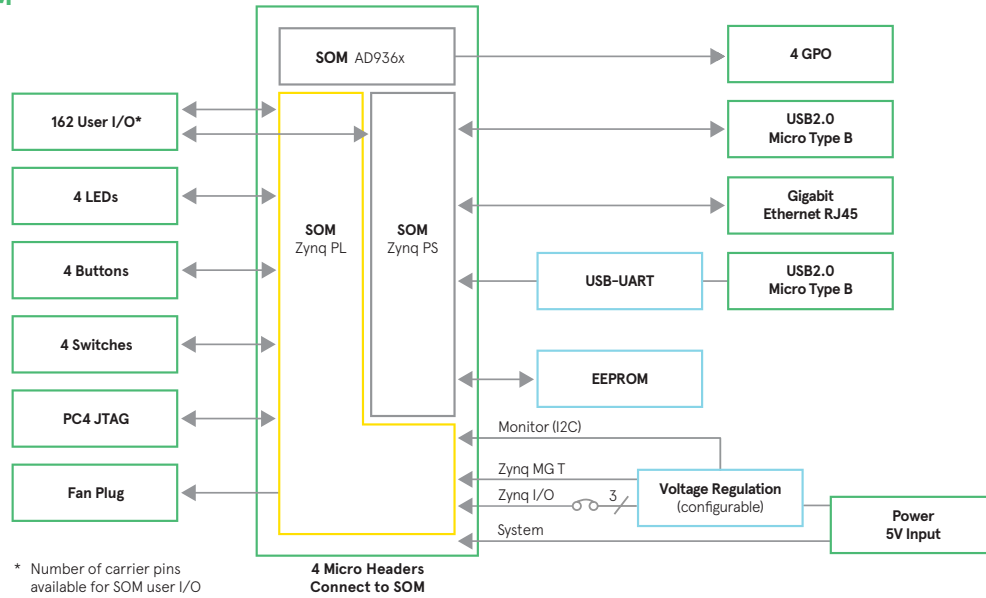
To purchase this kit, visit www.picozed.org/sdr-breakout-carrier



KIT INCLUDES

- PicoZed SDR Breakout Carrier
- 8GB micro SD card (programmed)
- 5.0V (2A) power supply
- Micro-USB TYPE B cable
- Ethernet cable
- (1) U.FL to U.FL RF loopback cable
- (2) U.FL-to-SMA cables
- (2) U.FL antennae - cellular 6-band
- (2) SMA antennae - cellular 5-band
- Quick Start Card
- Schematics, BOM, HDL, Linux drivers and application software

BLOCK DIAGRAM



FEATURED MANUFACTURERS



PARTS

Part Number	Description	Resale
AES-PZSDRCC-BRK-G	PicoZed SDR Breakout Carrier	\$199 USD (1-99)*

*Contact your local Avnet sales office for pricing on higher quantities

RELATED PARTS

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

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

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