

ADRV9361-Z7035

SDR 2x2 System-On-Module

Product Overview

07-12-2021

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

Analog Devices ADRV9361-Z7035 low-power Software Defined Radio (SDR) 2x2 System-On-Module (SOM) combines the integrated AD9361 RF Agile Transceiver™ with the Xilinx Z7035 Zynq®-7000 All Programmable SoC. This SOM provides wideband 2x2 receive and transmit paths from 70MHz to 6GHz range, making the device ideal for a broad range of fixed and mobile SDR applications.

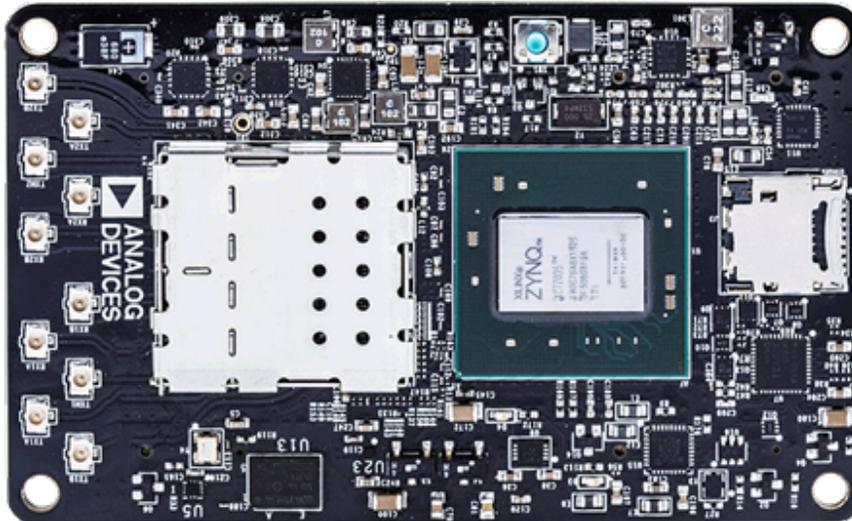


The ADRV9361-Z7035 is a fully-verified SOM that combines the RF signal path and high-speed programmable logic. It also forms the RF-to-baseband signal processing core of a wireless communications system, allowing the designer to focus on the differentiating features. The ADRV9361-Z7035 module has available carrier cards for fast prototype and is supported by simulation and code generation tools that integrate seamlessly with Xilinx Vivado® Design Suite. This module enables reduced time to market of SDR product designs.

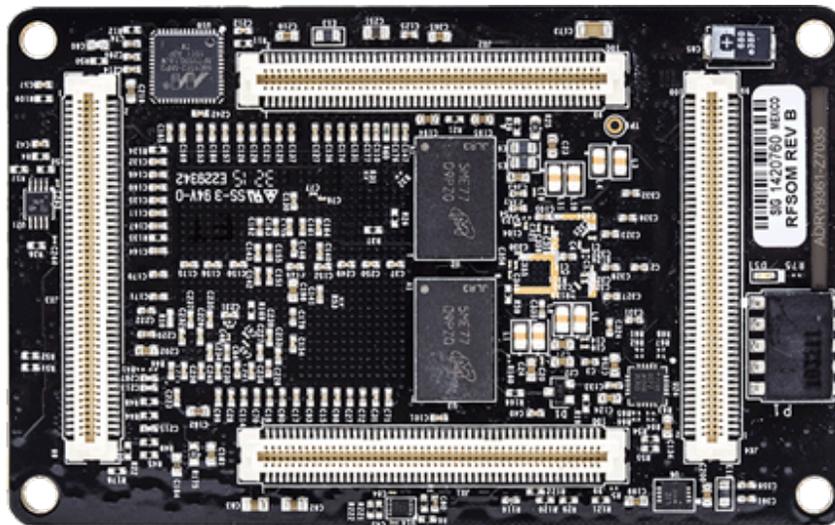
Features

- Fully-verified, low-power, rugged SOM ready for end-product deployment
- Industrial temperature rated and production-ready SOM
- Supported by MATLAB® and Simulink® for data streaming and Zynq targeting
- Conforms to MIL-STD 202G for thermal, vibration, and shock
- Included on SOM:
 - Analog Devices AD9361-BBCZ Integrated RF Agile Transceiver™
 - Xilinx Zynq XC7Z035-2L FBG676I AP SoC

Board Overview



ADRV9361-Z7035 - Top View



ADRV9361-Z7035 - Bottom View

Mouser Part Number(s)

[ADRV9361-Z7035](#)

To learn more, visit <https://www.mouser.com/new/analog-devices/adi-adrv9361-z7035/>