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ADRV9361

SDR 2x2 System-On-Module

Pre-Release



Features and Benefits

- Fully-verified, low-power, rugged system-on-module (SOM) ready for end-product deployment
- Supported by MATLAB® and Simulink® for data streaming and Zynq targeting
- Industrial temperature rated, production-ready SOM
- 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
- Includes schematics, BOM, HDL, Linux drivers and application software

Product Categories

RF & Microwave
- Wideband Transceiver IC

Markets & Technology

Communications
- Software Defined Radio

Product Details

ADRV9361-Z7035 SDR 2x2 System-On-Module is a Software Defined Radio (SDR) that combines the Analog Devices AD9361 integrated RF Agile Transceiver™ with the Xilinx Z7035 Zynq®-7000 All Programmable SoC.

ADRV9361-Z7035 offers wideband 2x2 receive and transmit paths in the 70 MHz to 6.0 GHz range, making it ideal for a broad range of fixed and mobile SDR applications.

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.

ADRV9361-Z7035 has available carrier cards for fast prototype and is supported by simulation and code generation… Show More..

Comparable Parts | Click to see all in Parametric Search

Product Lifecycle

☑ Pre-Release

This product is new and engineering validation may still be underway. Quantities may be limited and design specifications may change while we ready the product for release to production.

Evaluation Kits (2)

ADRV1CRR-FMC | SDR Module Carrier/FMC Carrier

See All

ADRV1CRR-FMC 1 of 2

< Prev | Next >



Product Details

The ADRV1CRR-FMC is an FMC Carrier Card supporting the SDR SOMs from Analog Devices. This Carrier supports development of SDR designs with a platform containing all the necessary interfaces and I/O… Show More..

View Detailed Evaluation Kit Information

Design Resources

ADI has always placed the highest emphasis on delivering products that meet the maximum levels of quality and reliability. We achieve this by incorporating quality and reliability checks in every scope of product and process design, and in the manufacturing process as well. "Zero defects" for shipped products is always our goal.

ADRV9361 Material Declaration

PCN-PDN Information

Quality And Reliability

Symbols and Footprints

Discussions

ADRV9361 Discussions

ADRV9361 SoM - Temp operation range
8 week(s) ago in FPGA Reference Designs

ADRV9361 source C & HDL
8 week(s) ago in FPGA Reference Designs

Mechanical CAD files for ADRV9361
10 week(s) ago in FPGA Reference Designs

All ADRV9361 Discussions

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Model	Package	Pins	Temp Range	Packing Qty	Price (100-499)	Price (1000+)	RoHS	Order from Analog Devices
ADRV9361-Z7035 Request PCN/PDN Notification Production	MODULE CONNECTORIZED	0		No packing, 1	-	-	Y Info	Purchase

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authorized distributor. Pricing displayed for Evaluation Boards and Kits is based on 1-piece pricing.

Price Table Help

Evaluation Boards

Pricing displayed is based on 1-piece.

Model	Description	RoHS	
ADRV1CRR-BOB Production	SDR Module Carrier/Break Out Board		Yes
ADRV1CRR-FMC Production	SDR Module Carrier/FMC Carrier		Yes

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