

New Product Announcement

Analog Devices ADF5904 Downconverter Module and Eval Board Now Available from Mouser Electronics

July 29, 2015 – [Mouser Electronics](http://www.mouser.com), Inc. is now shipping the 4-Channel, 24GHz [ADF5904 receiver downconverter](#) and the related [evaluation board](#) and [controller board](#) from [Analog Devices](#). Available in a compact 32-lead, 5mm x 5mm LFCSP package, the ADF5904 receiver downconverter is ideal for [automotive](#) radars, [industrial](#) radars, and microwave radar sensors.

Each of the four identical channels on the [Analog Devices ADF5904](#), available from Mouser Electronics, contains a single-ended RF input with an on-chip balun followed by a differential low noise amplifier (LNA) and a downconverter mixer with differential output buffers. The module provides a receiver (Rx) channel gain of 22dB, 10dB noise figure, -8dBm to +5dBm LO input range, 30dB Rx to IF isolation, and 250MHz RF signal bandwidth. A simple three-wire interface controls the on-chip registers.

The [EV-ADF5904SD2Z evaluation board](#) includes the ADF5904 module, five high-frequency SMA connectors for the local oscillator input, four receiver inputs, eight SMA connectors for the baseband outputs, banana connectors for power supply, and a connector for serial interface. The kit also contains Windows-compatible software that allows designers to program the ADF5904 module. The evaluation board requires an [Analog Devices EVAL-SDP-CS1Z controller board](#), also available from Mouser Electronics, to program the ADF5904 module. This SDP-S board provides a USB 2.0 high speed connection to the computer, allowing designers work with the EV-ADF5904SD2Z software. The SDP-S board is based on a USB-to-serial engine, which has SPI, I2C, and GPIO lines available, with a 120-pin small footprint connector.

To learn more about the ADF5904 Receiver Downconverter, visit <http://www.mouser.com/new/Analog-Devices/adi-adf5904/>.

To learn more about the EV-ADF5904SD2Z Evaluation Board, visit <http://www.mouser.com/new/Analog-Devices/adi-ev-adf5904sd2z/>.

With its broad product line and unsurpassed customer service, Mouser caters to design engineers and buyers by delivering What's Next in advanced technologies. Mouser offers customers 21 global support locations and the latest, most technologically advanced components for their newest design projects. Mouser Electronics' website is updated daily and searches more than 10 million products to locate over 4 million orderable part numbers available for easy online purchase. Mouser.com also houses an industry-first interactive catalog, data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

Mouser Electronics, a subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser is an award-winning authorized semiconductor and electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers and buyers. Mouser.com features more than 4 million products online from more than 500 manufacturers. Mouser publishes multiple catalogs per year providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 500,000 customers in 170 countries from its 492,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit <http://www.mouser.com>.

About Analog Devices

Analog Devices has built one of the longest standing, highest growth companies within the technology sector utilizing cultural pillars such as innovation, performance, and excellence. Acknowledged industry-wide as the world leader in data conversion and signal conditioning technology, Analog Devices serves over 100,000 customers, representing virtually all types of electronic equipment. Celebrating over 50 years as a leading global manufacturer of high-performance integrated circuits used in analog and digital signal processing applications, Analog Devices is headquartered in Norwood, Massachusetts, with design and manufacturing facilities throughout the world. Analog Devices' is included in the S&P 500 Index.

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