

New Product Announcement

Mouser Stocking Analog Devices AD9680 ADC Evaluation Boards

May 14, 2014 – [Mouser Electronics](http://www.mouser.com), Inc. is shipping the new [Analog Devices](http://www.analog.com) AD9680 Evaluation boards, the [AD9680-1000EBZ](http://www.analog.com). The AD9680 is a dual 14-bit Analog to Digital Converter (ADC) with a fast 1.0 giga-samples-per-second (GSPS) sampling rate and the best noise and dynamic range performance in its class. These new evaluation boards from Analog Devices allow developers to quickly evaluate the features and performance of the new AD9680 ADC.

The new [Analog Devices AD9680-1000EBZ Evaluation Board](http://www.analog.com) available from Mouser Electronics allows developers to quickly connect to the AD9680 ADC. A low jitter, low broadband noise signal is fed to the analog signal input of the AD9680-1000EBZ. The digital output of the AD9680 ADC is connected to an [Analog Devices ADS7-V1EBZ Data Capture Board](http://www.analog.com), also available from Mouser Electronics.

The AD9680 is configured by an industry standard SPI interface. The SPI interface is available on the evaluation board and allows programming many customizable options including power down modes, input buffer termination impedance, selecting the internal or external voltage references, enabling the internal temperature sensor, and configuring the JESD204B interface. SPI programming in an evaluation environment is accomplished using the Analog Devices SPI Control Software. Both boards are configured using Analog Devices' free VisualAnalog software. Once connected, the data capture board automatically recognizes the AD9680 board and begins to program the data capture board with the appropriate code to evaluate the AD9680.

The AD9680 boasts a 1.0 GSPS high sampling rate and can sample high bandwidth signals of up to 2GHz with excellent linearity. Power consumption is 1.65 Watts per channel. The AD9680 requires either a 1.2V, 2.5V, or 3.3V supply voltage.

Target applications for the AD9680 include direct RF sampling applications, ultra-wide band satellite receiver, spectrum analyzers, high speed data acquisition systems, and digital oscilloscopes.

To learn more, visit:

<http://www.mouser.com/new/Analog-Devices/adi-AD9680-adc-eval-boards/>.

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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 400,000 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 by building on the cultural pillars of innovation, performance, and excellence. Acknowledged industry-wide as the world leader in data conversion and signal conditioning technology, Analog Devices serves over 60,000 customers, representing virtually all types of electronic equipment. 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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