

New Product Announcement

Analog Devices AD9135/6 2.8Gsps DACs Available from Mouser Electronics

October 16, 2014 – [Mouser Electronics](http://www.mouser.com), Inc. is now shipping the [AD9135](#) and [AD9136](#) digital to analog converters (DACs) from [Analog Devices](#). The AD9135 is an 11-bit DAC, while the AD9136 is a 16-bit DAC. These devices boast a high dynamic range and a fast sampling rate of 2.8 Giga-samples per second (Gsps).

The [AD9135](#) and [AD9136](#) digital to analog converters, available from Mouser Electronics, are high-speed, high dynamic range dual DACs which permit multicarrier signal generation up to the desired Nyquist frequency. These [Analog Devices high speed data converters](#) specifically target [wideband communications systems](#), automated test equipment, and [high speed instrumentation](#).

A high performance, low noise phase lock loop (PLL) is on-chip to reduce component count. These DACs are designed for [low power](#) applications and draw 1.42Watts when converting at 1.6Gsps. An advanced low spurious and distortion design provides high quality generation of wideband signals, from the baseband up to high frequencies.

These DACs are designed to easily connect with the Analog Devices' ADRF6720 and [ADRF670x analog quadrature modulators](#) (AQMs). Interfacing to these DACs is provided by an industry standard SPI interface. This interface allows configuration of many of the device options, including internal reset, configuring the internal FIFO, selecting power down modes, setting interrupts, configuring the internal reference clock, configuring the internal PLL, and reading the internal device temperature.

Each DAC input channel also contains an 11/16-bit wide, 8-word deep FIFO. This FIFO acts as a buffer between the digital input data and the clocked analog output, allowing an asynchronous relationship between the input digital data and the output analog signal.

To learn more about the AD9135, visit: <http://www.mouser.com/new/Analog-Devices/adi-ad9135-dac/> .

To learn more about the AD9136, visit: <http://www.mouser.com/new/Analog-Devices/adi-ad9136-dac/> .

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 20 global support locations and stocks the world's widest selection of the latest semiconductors and electronic components for the 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 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

Innovation, performance, and excellence are the cultural pillars on which Analog Devices (ADI) has built one of the longest standing, highest growth companies within the technology sector. 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.

Trademarks

Mouser and Mouser Electronics are registered trademarks of Mouser Electronics, Inc. All other products, logos, and company names mentioned herein may be trademarks of their respective owners.

– 30 –

Further information, contact:
Kevin Hess, Mouser Electronics
Vice President Technical Marketing
(817) 804-3833
Kevin.Hess@mouser.com

For press inquiries, contact:
Kelly DeGarmo, Mouser Electronics
Corporate Communications Manager
(817) 804-7764
Kelly.DeGarmo@mouser.com