

## New Product Announcement

# Mouser Now Shipping Analog Devices AD9083 ADC for mmWave Imaging and Phased Array Radar Applications

**April 20, 2021** – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [AD9083](https://www.analog.com/en/products/ad9083.html) analog-to-digital converter (ADC) from [Analog Devices Inc.](http://www.analog.com) The AD9083 provides engineers with 16 channels, support for signal bandwidths of up to 125 MHz, and flexible power-down options that allow significant [power savings](#) in applications such as millimeter-wave imaging and phased array radar applications.

The [Analog Devices AD9083](https://www.analog.com/en/products/ad9083.html) ADC, available from Mouser Electronics, is a continuous time, sigma-delta (CTSD) ADC supporting signal bandwidths of up to 125 MHz. The AD9083 is designed with a host of integrated digital signal processing (DSP) blocks for very low power consumption as well as an on-chip clock/PLL for easy multi-chip sync in a compact 9 mm × 9 mm package. The integrated DSP includes a programmable cascaded integrator comb (CIC) decimation filter, a mixer with numerically-controlled oscillator (NCO), and a multistage decimation finite input response (FIR) filter to significantly reduce the post-processing typically assumed by the FPGA, lowering cost and power consumption.

Also available from Mouser Electronics is the Analog Devices [AD9083EBZ](https://www.analog.com/en/products/ad9083ebz.html) evaluation board that includes all of the support circuitry required to operate the AD9083 in various modes and configurations using Analog Devices' "Analysis, Control, Evaluation" (ACE) software.

To learn more about the AD9083, visit <https://www.mouser.com/new/analog-devices/adi-ad9083-converter/>.

As a global authorized distributor, Mouser offers the world's widest selection of the newest semiconductors and electronic components — in stock and ready to ship. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each of its manufacturer partners. To help speed customers' designs, Mouser's website hosts an extensive library of technical resources, including a [Technical Resource Center](#), along with product data sheets, supplier-specific reference designs, application notes, technical design information, engineering tools and other helpful information.

### **About Mouser Electronics**

Mouser Electronics, a Berkshire Hathaway company, is an authorized semiconductor and electronic component distributor focused on New Product Introductions from its leading manufacturer partners. Serving the global electronic design engineer and buyer community, the global distributor's website, [mouser.com](https://www.mouser.com), is available in multiple languages and currencies and features more than 5 million products from over 1,100 manufacturer brands. Mouser offers 27 support locations worldwide to provide best-in-class customer service in local language, currency and time zone. The distributor ships to over 630,000 customers in 223 countries/territories from its 1 million-square-foot, state-of-the-art distribution facilities in the Dallas, Texas, metro area. For more information, visit <https://www.mouser.com/>.

### **About Analog Devices**

Analog Devices is a leading global high-performance analog technology company dedicated to solving the toughest engineering challenges. We enable our customers to interpret the world around us by intelligently bridging the physical and digital with unmatched technologies that sense, measure, power, connect and interpret. Visit <https://www.analog.com>.

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