



1000 N. Main Street
Mansfield, TX 76063, USA
mouser.com

(817) 804-3800

New Product Announcement

STMicroelectronics STM32 F3 Mixed-Signal MCUs Now At Mouser

November 21, 2012 – [Mouser Electronics](#), Inc. is now stocking [STMicroelectronics](#)' STM32 F3 Series of MCUs that combines the 32-bit ARM Cortex-M4 core with a DSP, FPU instructions, and advanced analog peripherals.

The STM32 F3 series innovates in embedded DSC design by combining a Cortex-M4 core with fast 12-bit 5 MSPS and precise 16-bit sigma-delta ADCs, programmable gain amplifiers (4 gains, 1% accuracy), fast 50 ns comparators and versatile time control units running at 144 MHz, giving optimum integration. The devices are optimized for efficient handling and processing of mixed signals in circuits such as 3-phase motor controllers, biometrics and industrial sensor outputs or audio filters, allowing designers to tackle mixed-signal control applications. These devices help simplify design, cut power consumption and reduce PCB size in consumer, medical, portable fitness, system monitoring and metering applications.

STM32 F3 Series Mixed-Signal MCUs are pin compatible with the STM32 F1 series, and the new STM32 F3 series enlarges the STM32's Cortex-M4 portfolio to now offer both entry-level cost with the F3 series and highest performance with the F4 series. The STM F3 Series includes devices with 64 to 256 Kbytes of on-chip Flash memory, up to 48 Kbytes of SRAM and is available in WLCSP66 (less than 4.3 x 4.3 mm), LQPF48, LQFP64, LQFP100 and UFBGA100 packages. For more information, visit <http://www.mouser.com/new/stmicroelectronics/stm-32f3/>.

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 19 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 3 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.

-- continued --

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 3 million products online from more than 450 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 375,000 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 STMicroelectronics

STMicroelectronics is a global independent semiconductor company and a leader in developing and delivering semiconductor solutions across the spectrum of microelectronics applications. An unrivaled combination of silicon and system expertise, manufacturing strength, Intellectual Property (IP) portfolio, and strategic partners positions, STMicroelectronics is at the forefront of System-on-Chip (SoC) technology and its products play a key role in enabling today's convergence trends.

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
Corp. Communications & Media Relations Mgr.
(817) 804-7764
kelly.degarmo@mouser.com