MOUSER
ELECTRONICS
a tti company

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

(817) 804-3800

For Immediate Release

EDITORIAL/READER CONTACT:
Ellie Rovai
Marketing Communications Manager
Mouser Electronics, Inc.
(817) 804-3857 Direct
(817) 804-3803 Fax
ellie.rovai@mouser.com

Mouser Electronics Now Stocking STM32 MCU Family from STMicroelectronics

New 32-Bit Family Powered by ARM® Cortex™-M3 Core Significantly Reduces Cost, Performance, and Power Compromises in Embedded Systems

Mansfield, Texas, USA – October 17, 2007 – Mouser Electronics, Inc., known for its rapid introduction of the newest products, today announced it is stocking the STM32 Family of 32-bit Flash microcontrollers based on ARM® Cortex™-M3 core from STMicroelectronics (NYSE:STM), one of the world's leading semiconductor manufacturers.

The STM32 was designed to deliver impressive levels of performance and energy efficiency while retaining all the benefits of working with the open, industry-standard ARM architecture and development environment.

"Adding STMicroelectronics' STM32 MCU family to our catalog is another example of meeting the needs of the engineering community and the requirements for their new design projects," said Mike Scott, Mouser Vice President of Active Products.

The STM32 is offered in the STM32F103 "Performance" line, with 72MHz clock frequency which provides the best-in-class 32-bit MCU performance, and the STM32F101 "Access" line, with 36MHz clock frequency giving 16-bit devices a significant increase in performance at the same 16-bit level prices. Both lines offer 32K to 128K of embedded Flash memory, but differ in maximum SRAM size and peripheral combinations. At 72MHz, executing from Flash, the STM32 consumes only 36mA, the lowest power consumption in the 32-bit market, corresponding to 0.5mA/MHz.

The STM32 ARM® Cortex™-M3 core contains features specifically designed for embedded applications requiring a combination of high performance, low power, and low cost. The STM32 benefits from Cortex-M3's new architectural enhancements including the Thumb-2 instruction set to

-- continued –

The Newest Products For The Newest Designs

deliver improved performance with better code density and a tightly-coupled Nested Vectored Interrupt Controller for significantly faster response to all interrupts, all combined with industry leading power consumption.

Ideal for battery-operated applications, the STM32 operates form a 2.0 to 3.6V power supply and has a power consumption down to 2 microamps in standby mode with reset circuitry active. Other power-saving features include an integrated RTC with dedicated pin-for-battery operation, 32kHz oscillator, and four low power modes.

The rich peripheral set includes up to 128KB embedded Flash, up to 20KB of RAM, up to two ADCs, up to three UARTs, up to two SPI, up to two I^2C, up to three 16-bit timers, and a dedicated 6-PWM timer with embedded dead times for regulation and motor control vector drive applications, as well as USB, CAN, and seven DMA channels.

About Mouser

Mouser Electronics, Inc. is an electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers. Mouser.com features over 880,000 products online from more than 335 manufacturers. Mouser's 1,900+ page catalog is published every 90 days, providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 280,000 customers in 170 countries from its 432,000 sq. ft. state-of-the-art facility in Mansfield, Texas. For more information, visit www.mouser.com.

About STMicroelectronics

STMicroelectronics is a global leader in developing and delivering semiconductor solutions across the spectrum of microelectronics applications. An unrivalled combination of silicon and system expertise, manufacturing strength, Intellectual Property (IP) portfolio and strategic partners positions the Company at the forefront of System-on-Chip (SoC) technology and its products play a key role in enabling today's convergence markets. The Company's shares are traded on the New York Stock Exchange, on Euronext Paris and on the Milan Stock Exchange. In 2006, the Company's net revenues were $9.85 billion and net earnings were $782 million. Further information on ST can be found at www.st.com.

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.