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**For Immediate Release**

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## **Freescale Semiconductor MC56F8006 / MC56F8002 Digital Signal Controller**

**Mansfield, Texas, USA — July 08, 2009** - Mouser Electronics, Inc., known for its rapid introduction of the newest products, today announced it is stocking new product from Freescale Semiconductor.

The Freescale Semiconductor MC56F8006 / MC56F8002 digital signal controller (DSC) combines the functionality of a microcontroller (MCU) and the processing power of a digital signal processor (DSP) with a flexible set of peripherals to create an extremely cost-effective, powerful, and power-conscious embedded control solution. This Freescale Semiconductor device includes up to 16 KB of program Flash, 2 KB of unified data/program RAM, and on-chip features that include up to 32 MIPS at 32 MHz core frequency and DSP and MCU functionality in a unified, C compiler efficient architecture. The Freescale Semiconductor MC56F8006 / MC56F8002 DSC is ideal for power- and cost-sensitive motor control applications, such as three-phase BLDC motors, variable frequency drives, permanent magnet, synchronous motors, and handheld tool motors. The MC56F8006 / MC56F8002 digital signal controller can also be used to reduce the cost and complexity of digital power conversion applications.

To learn more, visit <http://www.mouser.com/freescale>.

Mouser Electronics is the only major distributor to publish a new 2,184+ page print catalog every 90 days. In addition, its website with interactive online catalog is updated daily, contains more than a million products for easy online purchase, provides over 1.5 million cross-references, as well as more than 900,000 downloadable data sheets, supplier-specific reference designs, application notes, and other technical design information.

### **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 more than a million products online from more than 390 manufacturers. Mouser's 2,184+ 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](http://www.mouser.com).

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**About Freescale Semiconductor**

Started in 1953, Freescale Semiconductor, Inc. was the semiconductor product sector of Motorola, Inc., earning the reputation of innovator and pioneer in the global semiconductor industry. Today Freescale is an industry leader in the design and manufacture of embedded semiconductors for the wireless, networking, automotive, consumer, and industrial markets. For more information, visit <http://www.freescale.com>.

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