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For Immediate Release

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Mouser Electronics Expands ON Semiconductor Product Portfolio with New LDO Controllers

Inventory Includes NCP1396, NCP3520, NCP3521, NCP4302, NCP590, and NCP700

Mansfield, Texas, USA –December 6, 2007 – [Mouser Electronics, Inc.](http://www.mouser.com), known for its rapid introduction of the newest products, today announced it has expanded its ON Semiconductor product offering with several new low dropout (LDO) regulator controllers. [ON Semiconductor](http://www.onsemi.com) (NASDAQ: ONNN) is a global leader in power management and circuit protection semiconductor solutions.

According to Mike Scott, Mouser's Vice President of Active Products, stocking ON Semiconductor's new LDOs offers Mouser customers more of the newest, most innovative products and the latest technologies, thus delivering a time-to-market advantage to the engineering community.

"Adding the newest high caliber products from ON Semiconductor is just what our design engineering customers expect from Mouser," Scott said, "and further enhances our inventory of innovative products from our world-class suppliers."

The [NCP1396](http://www.onsemi.com) high-performance resonant mode controller offers everything needed to build a reliable and rugged resonant mode power supply. Its unique architecture includes a 500kHz voltage controller oscillator and a bootstrapped MOSFET driver for half-bridge applications that accept bulk voltages up to 600V.

The [NCP3520](http://www.onsemi.com) 1.2 fixed voltage and [NCP3521](http://www.onsemi.com) 1.5 fixed voltage LDO regulator controllers are ideal for applications requiring high-currents and ultra-low dropout voltages. The use of an external NMOS driver allows for adaptations for a variety of applications depending on system requirements for current and dropout voltage.

The [NCP4302](http://www.onsemi.com) is a full featured controller and driver providing all the control and protection functions necessary for implementing a synchronous rectifier operation in a flyback converter. The

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controller incorporates an accurate TL431 type shunt regulator, current monitoring circuit, and optocoupler driver to provide a single IC secondary solution.

The [NCP590](#) is a very high precision, dual-output CMOS LDO offered in a 2x2 DFNA package. Each output is capable of delivering up to 300mA, available in voltages from 0.8V to 5V, and ideal for all battery operated consumer and microprocessor applications.

The [NCP700](#) 200mA LDO provides very stable, accurate voltage with ultra-low noise and a very high power supply rejection ratio (PSRR) suitable for RF applications. The device employs an advanced BiCMOS process to combine the benefits of low noise and superior dynamic performance of bipolar elements with very low ground current consumption at full loads offered by CMOS.

Mouser's broad-based product line, unsurpassed customer service, and streamlined warehouse operations make the distributor the design engineer's one-stop shop for all the components and associated development tools necessary for total project design.

Mouser Electronics is the only major distributor to publish a new 1,900+ page print catalog every 90 days. In addition, its website with interactive online catalog is updated daily, contains more than 900,000 products for easy online purchase, provides over 1.5 million cross-references, as well as more than 677,000 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 over 900,000 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 ON Semiconductor

With its global logistics network and strong portfolio of power semiconductor devices, ON Semiconductor (Nasdaq: ONNN) is a preferred supplier of power solutions to engineers, purchasing professionals, distributors and contract manufacturers in the power supply, computer, consumer, portable/wireless, automotive and industrial markets. For more information, please visit ON Semiconductor's website at www.onsemi.com

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