



## Microsemi Introduces COOLMOS FREDFET and Server Devices With Industry's Lowest Rds(on)

IRVINE, Calif., May 1, 2008 (PrimeNewswire via COMTEX News Network) -- Microsemi Corporation (Nasdaq:MSCC), a leading manufacturer of high performance analog/mixed signal integrated circuits and high reliability semiconductors, has expanded its COOLMOS(tm) FREDFET and Server Series with devices featuring the industry's lowest Rds(on) product lineup.

These new Microsemi FREDFET and Server Series devices are designed for high power, high performance switch mode applications including power factor correction, server and telecom power systems, solar inverters, arc welding, plasma cutting, battery chargers, medical systems, semiconductor capital equipment and induction heating.

### Key Performance Features

- \* Ultra Low Rds(on)
- \* Low gate charge, Q(g)
- \* Avalanche energy rated
- \* Popular TO-264-MAX(tm) and SOT-227 packages

The new Microsemi FREDFET and Server numbers:

Volts	Rds(on)	Part Number	Device Type	Package
600	0.078	62 APT62N60JCF	FREDFET	SOT-227
600	0.042	94 APT94N60L2C3G	Server Series	264-MAX(tm)
600	0.023	82 APT82N60JCS	Server Series	SOT-227

The 1K pricing for part number APT94N60L2C3G is \$16.24. Contact factory direct for additional pricing. Samples are available immediately. Technical datasheets are available on the Microsemi web site, <http://www.microsemi.com>.

All trademarks are of Microsemi Corporation, except COOLMOS(tm) which is a trademark of Infineon Technology AG.

### About Microsemi Corporation

Microsemi Corporation, with corporate headquarters in Irvine, California, is a leading designer, manufacturer and marketer of high performance analog and mixed signal integrated circuits and high reliability semiconductors. The company's semiconductors manage and control or regulate power, protect against transient voltage spikes and transmit, receive and amplify signals.

Microsemi's products include individual components as well as integrated circuit solutions that enhance customer designs by improving performance, reliability and battery optimization, reducing size or protecting circuits. The principal markets the company serves include implantable medical, defense/aerospace and satellite, notebook computers, monitors and LCD TVs, automotive and mobile connectivity applications. More information may be obtained by contacting the company directly or by visiting its web site at <http://www.microsemi.com>.

The Microsemi Corporation logo is available at <http://www.primenewswire.com/newsroom/prs/?pkgid=1233>

PLEASE READ THE FOLLOWING FACTORS THAT CAN MATERIALLY AFFECT MICROSEMI'S FUTURE RESULTS.

"Safe Harbor" Statement under the Private Securities Litigation Reform Act of 1995: Any statements set forth in this news release that are not entirely historical and factual in nature, including without limitation statements concerning our expectations regarding new or existing products or technologies, are forward-looking statements. These forward-looking statements are

based on our current expectations and are inherently subject to risks and uncertainties that could cause actual results to differ materially from those expressed in the forward-looking statements. The potential risks and uncertainties include, but are not limited to, such factors as rapidly changing technology and product obsolescence, weakness or competitive pricing environment of the marketplace, uncertain demand for and acceptance of the company's products, adverse circumstances in any of our end markets, results of in-process or planned development or marketing and promotional campaigns, difficulties foreseeing future demand, potential non-realization of expected orders or non-realization of backlog, product returns, product liability, and other potential unexpected business and economic conditions or adverse changes in current or expected industry conditions, difficulties and costs of protecting patents and other proprietary rights, and inventory obsolescence and difficulties regarding customer qualification of products. In addition to these factors and any other factors mentioned elsewhere in this news release, the reader should refer as well to the factors, uncertainties or risks identified in the company's most recent Form 10-K and all subsequent Form 10-Q reports filed by Microsemi with the SEC. The forward-looking statements included in this release speak only as of the date hereof, and Microsemi does not undertake any obligation to update these forward-looking statements to reflect subsequent events or circumstances.

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