



Microsemi Enters Silicon Carbide Supply Agreement With SemiSouth Laboratories

IRVINE, Calif., Aug. 13, 2007 (PrimeNewswire)--Microsemi Corporation (Nasdaq:MSCC), a leading manufacturer of high performance analog mixed signal integrated circuits and high reliability semiconductors, and SemiSouth Laboratories Inc. of Starkville, Mississippi, announced today that they have entered into an agreement which provides for cooperation between the two companies in the area of silicon carbide (SiC) epitaxy wafer supply as well as certain technical exchanges. SemiSouth is a privately held company specializing in SiC material and device fabrication (www.semisouth.com).

Russell Crecraft, Microsemi Power Products Group Vice President and General Manager, stated "We are pleased to enter into a closer working relationship with SemiSouth. Microsemi's requirements for SiC wafers will grow in the future and we expect that this agreement will help SemiSouth's talented team of engineers to continue their progress toward highly manufacturable silicon carbide epitaxy."

SemiSouth's President, Jeff Casady commented "At SemiSouth, our long-term goals have always been to enable the SiC power device market through high-quality SiC epitaxy wafers and devices. We are excited to be able to work with Microsemi by supplying them epitaxy wafer products needed for their product goals. Microsemi has a great track record of supplying high performance power device products, and this agreement represents a great step forward for the SiC power electronics market."

About Microsemi Corporation

Microsemi, 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 and reliability, optimizing battery performance, reducing size or protecting circuits. The principal markets the company serves include defense, commercial air, satellite, medical, notebook computers, LCD TVs, mobile, and connectivity applications. More information may be obtained by contacting the company directly or by visiting its web site at <http://www.microsemi.com>.

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"Safe Harbor" Statement under the Private Securities Litigation Reform Act of 1995: Any statements set forth in the news release that are not entirely historical and factual in nature are forward-looking statements. For instance, all statements of belief and all statements about plans or expectations are forward-looking statements. Forward-looking statements are inherently subject to risks and uncertainties, some of which cannot be predicted or quantified. The potential risks and uncertainties include, but are not limited to, such factors as changes in generally accepted accounting principles, the difficulties regarding the

making of estimates and projections, the hiring and retention of qualified personnel in a competitive labor market, acquiring, managing and integrating new operations, businesses or assets, uncertainty as to the future profitability of acquired businesses, delays in the realization of any accretion from acquisition transactions, any circumstances that adversely impact the end markets of acquired businesses, difficulties in closing or disposing of operations or assets, difficulties in transferring work from one plant to another, rapidly changing technology and product obsolescence, difficulties predicting the timing and amount of plant closure costs, the potential inability to realize cost savings or productivity gains and to improve capacity utilization, potential cost increases, 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 including the challenging conditions in our analog / mixed-signal markets, results of in-process or planned development or marketing and promotional campaigns, changes in demand for products, difficulties foreseeing future demand, effects of limited visibility of future sales, 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, business disruptions, epidemics, health advisories, disasters, national emergencies, wars or potential future effects of the tragic events of September 11, 2001, variations in customer order preferences, fluctuations in market prices of the company's common stock and potential unavailability of additional capital on favorable terms, difficulties in implementing company strategies, dealing with environmental or other regulatory matters or litigation, or any matters involving litigation, contingent liabilities or other claims, difficulties and costs imposed by law, including under the Sarbanes-Oxley Act of 2002, difficulties in determining the scope of, and procuring and maintaining, adequate insurance coverage, difficulties, and costs, of protecting patents and other proprietary rights, work stoppages, labor issues, inventory obsolescence and difficulties regarding customer qualification of products, manufacturing facilities and processes, and other difficulties managing consolidation or growth, including in the maintenance of internal controls, the implementation of information systems, and the training of personnel. 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. Additional risk factors shall be identified from time to time in Microsemi's future filings. Microsemi does not undertake to supplement or correct any information in this release that is or becomes incorrect.

Investor Inquiries: David R. Sonksen, Microsemi Corporation, Irvine, CA (949) 221-7101.

FINANCIAL CONTACT: David R. Sonksen
Executive Vice President and Chief Financial Officer
Tel: (949) 221-7101

EDITORIAL CONTACT: Cliff Silver
Manager, Corporate Communications
Tel: (949) 221-7112