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## Microsemi Solid State Drives Are First to Pass Zero-Failure Tests at Most Environmentally Severe Vibration Levels

*Opens New Markets for Company's Secure Storage Products in Most Challenging Applications*

**IRVINE, Calif., May 19, 2011 (GlobeNewswire)—Microsemi Corporation (Nasdaq:MSCC)**, a leading provider of semiconductor technology aimed at building a smart, secure, connected world, today announced that its TRRUST-Stor™ environmentally ruggedized, high reliability solid state drives (SSDs) are the industry's first SSDs to pass zero-failure testing at vibration levels that are consistent with the industry's most severe environments. The rigorous tests have validated the SSDs' ability to deliver superior reliability and performance in mission-critical aerospace, defense and military applications.

"No other SSD manufacturers have published zero-failure results at this level of vibration testing, which was conducted while our drives were fully operational, reading and writing data," said Jack Bogdanski, director of marketing for Microsemi. "The ability for SSDs to perform flawlessly under adverse environmental conditions is becoming increasingly important for applications where it is critical that data be protected at all times."

### Test Results

Microsemi's tested SSD units were pre-conditioned at 85°C for 336 hours. The qualification units were vibrated at the following levels:

<b><u>30 Grms, (1hr/axis, 3 axis)</u></b>		<b><u>42 Grms (5 min/axis, 3 axis)</u></b>	
<u>Frequency (Hz)</u>	<u>Accel (G<sup>2</sup>/Hz)</u>	<u>Frequency (Hz)</u>	<u>Accel (G<sup>2</sup>/Hz)</u>
10	0.04	10	0.075615
35	0.04	35	0.075615
300	0.702	300	1.32704
1000	0.702	1000	1.32704
2000	0.175	2000	0.330815

### About TRRUST-Stor SSDs

Microsemi's TRRUST-Stor drives keep sensitive data from getting in the wrong hands with capabilities including: hardware-implemented AES-256 encryption; tamper-resistant features; Microsemi's **SnapPurge**™ technology that renders data irrecoverable in milliseconds; and the ability to perform a full drive erase in less than 5 seconds.

The TRRUST-Stor secure storage device is ideal for applications such as fighter aircraft, unmanned aerial vehicles, helicopters, mobile man-pack and ground vehicle applications. The company is accepting orders for the high-reliability encrypted drives, which come in densities of 50 and 100GBytes with sustained read-write speeds of 100MBytes per second.

For more information please contact your local Microsemi sales representative or visit <http://www.whiteedc.com/trrust-stor.html>.

## **About Microsemi**

Microsemi Corporation (Nasdaq:MSCC) offers the industry's most comprehensive portfolio of semiconductor technology. Committed to solving the most critical system challenges, Microsemi's products include high-performance, high-reliability analog and RF devices, mixed signal integrated circuits, FPGAs and customizable SoCs, and complete subsystems. Microsemi serves leading system manufacturers around the world in the defense, security, aerospace, enterprise, commercial, and industrial markets. Learn more 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 this news release that are not entirely historical and factual in nature, including without limitation statements related initial production and availability of its TRRUST-Stor™ secure storage device, and its potential effects on future business, 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, potential cost increases, variations in customer order preferences, 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, 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. Additional risk factors may be identified from time to time in Microsemi's future filings. 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.