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Viking Modular Solutions™ announces that their SATA Cube³, an embedded SATA SSD, has achieved MIL-STD-810F Certification


FOOTHILL RANCH, Calif. – March 3, 2010 – Viking Modular Solutions™, a division of Sanmina-SCI Corporation, and leading manufacturer of innovative memory and flash solutions, today announced its SATA Cube^{3™}, an ultra small form-factor and rugged embedded SATA SSD, has successfully completed tests pursuant to the MIL-STD-810F specification.

Certified under the following test methods, Viking Modular Solutions' SATA Cube³ is optimized for defense, aerospace, embedded and industrial applications where there is a need for extreme environmental reliability, specifically those of shock, vibration and temperature.



- Method 514.5 – Vibration (16.3 rms, 10-2,000Hz, 3 axes)
- Method 516.5 – Shock (50g half-sine, 11ms, 3 shocks each direction, 3 axes)
- Method 500.4 – Altitude (80,000 ft)
- Method 501.4 – High Temperature (+85C operational)
- Method 502.4 – Low Temperature (-40C operational)
- Method 507.4 – Humidity
- Method 503.4 – Temperature Shock (-40C to +85C)
- Method 510.4 – Blowing Dust & Sand
- Method 513.5 – Acceleration
- Method 511.4 – Explosive Atmosphere

“This MIL-STD-810F certification highlights Viking Modular Solutions’ commitment to the defense and aerospace industries. Architected to provide a secure, reliable and compact solution, the SATA Cube³ will enable our customers to deliver a wide range of optimized applications such as aircraft data recorders, missile guidance systems, rugged laptops



and a host of other mission critical applications,” stated Adrian Proctor, vice president of marketing.

The SATA Cube³ features a SATA II (3Gb/s), 4 channel interface, with read and write performance up to 110MB/s (Megabytes per second) and offered in densities of 4GB to 128GB. Constructed with processor technology that delivers SMART command support, wear leveling and a robust ECC management engine, the SATA Cube³ is available as either a 30x32mm BGA (Ball Grid Array) solder down device or as a removable drive by using the industry standard MicroSATA connector.

The SATA Cube³ offers designers of space constrained form factors such as ATCA, uTCA, AMC, PMC and XMC a SerialATA SSD with a low-volumetric density (86% smaller X-Y footprint than a 2.5” HDD/SSD) while still maintaining a high storage capacity (up to 128GB). For more information, visit the [SATA Cube³](#) webpage.

About Viking Modular Solutions

Headquartered in Foothill Ranch, California, Viking Modular Solutions is focused on developing and delivering high technology products that optimize the value and performance of our customers’ applications in the Network Infrastructure, Embedded, Defense & Aerospace and Enterprise markets. Founded in 1989, Viking Modular Solutions has been providing Original Equipment Manufacturers (OEMs) with industry leading design, engineering, product support and customer service for more than 20 years. For more information, visit <http://www.vikingmodular.com>.

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