



## **GSI Technology, Inc. Introduces Revolutionary Next Generation SRAM Architecture**

November 30, 2009

— New Products up to 50% Faster Than Nearest Competitors —

SANTA CLARA, Calif.--(BUSINESS WIRE)--Nov. 30, 2009-- **GSI Technology (Nasdaq: GSIT)** announces the availability of **SigmaQuad-IIIe™** and **SigmaDDR-IIIe™**, two new SRAM products whose revolutionary architecture provides the ultimate in system performance, reliability, and flexibility for applications that require a high random address rate. They are specifically designed to meet the growing memory requirements of networking systems—the backbone of the Internet.

"To most of the world, 'fast memory' means high bandwidth data, while in SRAM circles it has typically meant low latency," said David Chapman, Vice President of Marketing and Applications Engineering for GSI Technology. "But today, networking system designers need something more. The IIIe family delivers more, including the first memory product ever that can sustain continuous fully random read and write transactions every single nanosecond.

"This sort of capability is terribly important to those wishing to measurably enhance the performance of networking systems," noted Chapman. "And because these parts allow designers to solve problems directly rather than through increasing architectural complexity, these SRAMs help cut development costs and improve our customer's time-to-market. Although improvement in random address rate — the measure of how often a new fully random access can be executed in a memory device — is sure to be seen as the biggest contribution of this product family, the series also includes the highest bandwidth SRAMs available on the open market and the most complete set of signal integrity improvement tools SRAM users have ever had."

### **Performance**

At 625 MHz, the new 72Mbit Type-IIIe products feature the market's fastest available Burst of 4 operation, which is 14% faster than the nearest competitor, and the market's fastest Burst of 2 operation, which is 50% faster than the nearest competitor. Packaged in a 260 BGA with checkerboard power and ground pin out, these devices deliver both high transaction rate operations and very high data bandwidth with dramatically improved signal integrity to control system noise. Additionally, new features have been added to ease host memory controller design and reduce Soft Error Rate (SER).

GSI's SigmaQuad/SigmaDDR-IIIe devices offer both obvious and subtle improvements over previous generations of Quad and DDR SRAM products. An improved input clocking scheme provides the ability to optimize input setup and hold times in a variety of board layout schemes and an improved output clocking scheme provides a more consistent and therefore a wider data output valid window. In addition, user-configurable output echo clocks can be centered or edge-aligned. There is also a selectable read pipeline length to maximize input clock frequency. Another feature is highly robust input termination available on all synchronous inputs to minimize signal reflections.

### **Availability**

GSI Technology's 72Mbit SigmaQuad/SigmaDDR-IIIe products are sampling now. Multiple application notes and a white paper are available. For more information on GSI's 72Mbit SigmaQuad/SigmaDDR-IIIe products go to <http://www.gsistechnology.com/SigmaIIIe.htm> or contact your local sales representative at <http://www.gsistechnology.com/sales.htm>.

### **About GSI Technology**

Founded in 1995, GSI Technology, Inc. is a leading provider of high performance SRAMs primarily incorporated in networking and telecommunications equipment. Headquartered in Santa Clara, California, GSI Technology is ISO 9001 certified and has world-wide factory and sales locations. For more information, please visit <http://www.gsistechnology.com/>.

### **Forward-Looking Statements**

The statements contained in this press release that are not purely historical are forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended, including statements regarding GSI Technology's expectations, beliefs, intentions, or strategies regarding the future. All forward-looking statements included in this press release are based upon information available to GSI Technology as of the date hereof, and GSI Technology assumes no obligation to update any such forward-looking statements. Forward-looking statements involve a variety of risks and uncertainties, which could cause actual results to differ materially from those projected. These risks include those associated with fluctuations in GSI Technology's operating results; GSI Technology's historical dependence on sales to a limited number of customers and fluctuations in the mix of customers and products in any period; the rapidly evolving markets for GSI Technology's products and uncertainty regarding the development of these markets; the need to develop and introduce new products to offset the historical decline in the average unit selling price of GSI Technology's products; the challenges of rapid growth followed by periods of contraction; and intensive competition. Further information regarding these and other risks relating to GSI Technology's business is contained in the Company's filings with the Securities and Exchange Commission, including those factors discussed under the caption "Risk Factors" in such filings.

Source: GSI Technology, Inc.

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