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Inphi® Corporation DDR3 Registered Buffer First to Exceed JEDEC Specifications; Adds Quad Rank Support

Inphi's ExacTik® Family of precision timing devices continues to drive next generation server performance.

WESTLAKE VILLAGE, Calif., September 17, 2007 – Leveraging its leadership position in memory timing logic, Inphi® Corporation (www.inphi-corp.com) today introduced the INSSTE32882-GS02, a Double Data Rate (DDR3) Configurable Integrated Register device that exceeds the JEDEC Requirements and delivers unmatched performance with the lowest Tdynoff, tightly controlled propagation delay (T_{pd}) and quad-rank support, making it the most comprehensive solution on the market. A member of the Inphi ExacTik® Family of industry-leading precision timing devices, the new INSSTE32882-GS02 sets a high performance standard and extends Inphi's market leadership in DDR3 PLL and registered buffers.

"Our customers rely on Inphi to break new ground in performance, quality and reliability for DDR3 devices. The new SSTE32882-GS02 extends our market and technology lead, and delivers a new class of performance to server memory designers," said Gopal Raghavan, CTO of Inphi Corporation. "The INSSTE32882-GS02 is evidence of our continuing commitment to working with JEDEC and our customers to consistently meet and exceed specifications, while leveraging our technology and manufacturing expertise to deliver the highest quality solutions in the market."

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The innovative INSSTE32882-GS02 exhibits the lowest jitter and most tightly controlled propagation delay in the industry, giving module manufacturers the highest manufacturing margin form memory module production. The INSSTE32882-GS02 has a typical propagation delay of 0.8nS, well below the JEDEC proposed specification of 1.0nS with minimal variation across process, voltage and temperature.. In addition, since the INSSTE32882-GS02 meets DDR3-800 to DDR3-1600 rates it allows memory vendors to use a single register for all four speed grades reducing costs and reducing the bill of materials. The INSSTE32882-GS02 also exceeds the Tdynoff specification at all operating data rates. Tdynoff is a critical specification that ensures the server platform will be able to meet it's stated operating frequency and density.

Designed for high-performance DDR3 RDIMM server applications, the Inphi SSTE32882-GS02 supports all existing DDR3-800, DDR3-1066, DDR3-1333 and DDR3-1600 standards. This new registered buffer offers quad-rank support for improved energy efficiency in server memory, typically the second largest power drain in a server.

The INSSTE32882-GS02 is manufactured in 0.18 micron technology and allowing Inphi to meet aggressive pricing targets expected by computer OEMs. The new configurable registered buffer is available in a 176 Ball TFBGA green package.

Price and Availability

The Inphi INSSTE32882-GS02 is currently shipping with pricing starting at $5.83 in quantities of 1000 units. For more information email: exactik@inphi-corp.com.

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The ExacTik Family

Inphi's ExacTik family of CMOS timing devices for computing applications is the most comprehensive and highest performing in the industry. Every part meets or exceeds JEDEC specifications and delivers accuracy required at low-cost for next generation DDR2 and DDr3 applications. The ExacTik family includes timing devices for memory clocking, and other server, workstation and notebook applications and is characterized by the highest performance in terms of jitter, slew rates, lock times and skew.

About Inphi Corporation

Inphi Corporation designs and develops integrated circuits that consistently deliver the industry's highest performance and best signal integrity for processing high-speed digital data in computing and communications systems. The company is rapidly becoming the number one supplier of timing devices and PMD devices delivering the world's highest performing components. Leading corporations rely on Inphi for components that transport, store, deliver, and test high-speed data for the world's most innovative high-performance communications and computing systems. Inphi is recognized as a global technology leader for its innovative designs, dedication to the development of open standards, and excellence in R&D Additional information about the company can be found at www.inphi-corp.com.