Inphi Corporation
Katie Olivier
972-239-5119, x-128
kolivier@sheltongroup.com

OFC Booth # 2347

Inphi® Corporation Demonstrates Reference Design for BER Testing of 100 Gigabit Ethernet at Optical Fiber Communication Conference

Solution provides performance, flexibility, and ease-of-use for BER testing from 13 to 28G

WESTLAKE VILLAGE, Calif., March 24, 2009 – Inphi® Corporation (www.inphi-corp.com), the world leader in analog performance and signal integrity, today announced a demonstration of a reference design for 28G Bit Error Ratio (BER) testing at the Optical Fiber Communication Conference in San Diego, Calif., March 24-26. The live demonstration in Inphi's Booth # 2347 features the Inphi 28G BER Receiver reference design, the Inphi 5080MX 50G 4:1 Multiplexer, the Inphi Clock Recovery Unit reference design, and Agilent Technologies' ParBERT 81250.

This 28G BER test solution is designed for R&D or production testing of emerging high-speed protocols from 13 to 28G, including 100 Gigabit Ethernet, 14G Fibre Channel, 40G Differential Quadrature Phase Shift Keying (DQPSK), and 100G Dual-Polarization Quadrature Phase Shift Keying (DP-QPSK), and is the first solution to provide clock recovery functionality across all of these data rates.

For high-speed data links, BER testing is the most fundamental test at the physical layer, as it measures whether the data bits are correctly transmitted across the link. The 28G BER test solution provides customers with the performance and flexibility required to test next-generation high-speed protocols, combined with the ease-of-use that ensures rapid results. The Inphi 5080MX Multiplexer delivers the high-speed performance required to generate accurate test patterns at 28 Gbps and beyond, and the Inphi 28G BER Receiver reference design provides the high-performance front-end for data up to 28 Gbps, with better than 240 degrees clock phase margin and better than 100 mV input sensitivity. For test applications from 13 to 28G requiring clock recovery, the Inphi Clock

(more)

Recovery Unit reference design can be used to generate a recovered clock. The Agilent ParBERT 81250 combines flexibility, such as modular components, fully programmable test patterns, and sophisticated test automation software, with proven success in both R&D and production environments.

"We are seeing tremendous customer demand for testing next-generation protocols such as 14G Fibre Channel and 100G Ethernet," said Michael Reser, Sales and Business Development Manager for Agilent's Digital and Photonic Test product line. "This 28G BER test solution gives customers the performance and ease-of-use to address their current testing challenges, and the versatility to scale the test solution as their needs evolve."

"Customers have come to expect the highest performance analog solutions from Inphi," said Francis Ho, Senior Director of Business Development for Inphi. "We are pleased to collaborate with Agilent to deliver this 28G BER test solution that combines the high-speed analog front-ends from Inphi with the flexibility and proven capabilities of the Agilent ParBERT."

Availability

The Inphi 28G BER Receiver reference design is based on an Inphi chipset of the 5081DX 50 Gbps 1:4 Demultiplexer, the 25717CF 25 Gbps 1:2 Fanout, and the 20709SE 20 Gbps 2:1 Selector. The Inphi Clock Recovery Unit reference design is based on the 25707CP 30 GHz Phase Detector. Both reference designs are available immediately as evaluation boards. For more information, please e-mail products@inphi-corp.com.

About Inphi Corporation

Inphi Corporation is an industry leader in the innovation of high-performance analog components that serve a broad set of markets and applications including communications, computing and networking. Leading corporations rely on Inphi for components that transport, store, deliver, and test high-speed data for the world's most innovative systems. Inphi is recognized as a global technology leader for its excellence in design, dedication to the development of open standards, and commitment to R&D. Learn more about Inphi Corporation by visiting www.inphi-corp.com, or call +1-805-446-5100.

# # #