

## **AMCC Leverages SONET/SDH Design Expertise to Deliver State-of-the-Art PHY Solutions for Wide Customer Base**

*Quad-Channel CDR and Quad-Channel transceiver with framing capabilities meet customer RoHS compliance requirements*

**Sunnyvale, Calif. – March 6, 2006** – Applied Micro Circuits Corp. (AMCC) [NASDAQ:AMCC] today announced the expansion of its SONET/SDH OC-3/OC-12 offering with the S1220 quad clock and data recovery unit (CDR) and the S1221 8-bit quad transceiver. Built upon the company's proven SONET/SDH design capabilities, the S1220 and S1221 target SONET/SDH line cards and test equipment.

The S1220 CDR and S1221 transceiver offer a high level of integration, including optional framing capabilities for the S1221, and can be used as better integrated replacements for customers redesigning their systems or requiring a wider range of capabilities without external components. Both devices are offered in lead-free versions enabling customers to comply with requirements established by the Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) directive.

"The need for higher levels of integration while maintaining robust performance are at the forefront of our customers' designs," said Sam Fuller, vice president of marketing at AMCC. "The delivery of these devices demonstrates our continued leadership and commitment to the OC-3/OC-12 PHY market. These devices are designed to meet the demands of a wide range of customers from established OEMs to start-up companies."

Featuring an enhanced package design, the S1220 and S1221 provide greater functionality and flexibility for the price, translating into maximized ROI for customers. The high level of integration, outstanding performance and low jitter of 3 mUI make the S1220 and S1221 devices that deliver ease-of-use and the increased system margin customers require today.

### **Availability**

The S1220 and S1221 build off of AMCC's previously introduced S1212 and S1213 devices, respectively, and provide backward compatibility, allowing an easy migration path to next-generation devices. Packaged in a 196-pin PBGA, the S1220 device offers a small 15 x 15 mm<sup>2</sup> footprint, while the S1221 is packaged in a 17 x 17 mm<sup>2</sup> 255-pin PBGA. Both the S1220 and S1221 are currently sampling to development partners with volume production scheduled to begin in the second half of 2006.

### **About AMCC**

*AMCC is a global leader in network and embedded PowerPC processing, optical transport and storage solutions. Our products enable the development of converged IP-based networks offering high-speed secure data, high-definition video and high-quality voice for carrier, metropolitan, access and enterprise applications. AMCC provides networking equipment vendors with industry-leading network and communications processing, Ethernet, SONET and switch fabric solutions. AMCC is also the leading vendor of high-port count SATA RAID controllers enabling low-cost, high-performance, high-capacity storage. AMCC's corporate headquarters are located in Sunnyvale, California. Sales and engineering offices are located throughout the world. For further information regarding AMCC, please visit our web site at <http://www.amcc.com>.*

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