

NEC Electronics Ships One Billion All Flash Microcontrollers

15 All Flash MCUs Shipping Every Second

SANTA CLARA, Calif., October 20, 2008 — NEC Electronics America, Inc. today announced NEC Electronics Corporation has shipped one billion All Flash® microcontrollers (MCUs). The company first began mass production of its All Flash MCUs nearly 10 years ago. Today, the company offers a wide range of 8-, 16- and 32-bit All Flash MCUs designed to meet the price and performance needs of high-volume embedded, consumer and automotive applications. This landmark achievement is a testament to NEC Electronics' unwavering commitment to delivering the highest quality products and support to its customers.

"This milestone was achieved through the devotion of many NEC Electronics employees worldwide who serve our customers with innovative and reliable solutions," said Jim Trent, vice president, Multipurpose MCU and Automotive Group, NEC Electronics America. "By offering high-quality products with numerous product options and dedicated customer service, NEC Electronics has become the world's number one supplier of 32-bit MCUs and the third largest supplier of MCUs overall."

Broad Offering Meets Diverse Customer Needs

NEC Electronics' All Flash multi-purpose MCUs offer products and development environments that facilitate innovation in production by taking maximum advantage of the benefits of reduced inventory, reduced lead time and flexible response to changes in demand. The MCUs offer reliable flash memory in a wide range of sizes and packages, along with high performance with high throughput.

On a worldwide basis, NEC Electronics was the number one supplier of 32-bit MCUs in 2007 according to the Gartner Dataquest March 2008 rankings report. This industry-leading 32-bit MCU line provides cost-effective solutions for systems that require high-performance, single-chip operation and high integration. The offering consists of three cores – V850™, V850E™ and V850ES™ – that can execute from 29 to 400 million instructions per second (MIPS). With memory sizes ranging from 64 kilobytes (KB) to 1.5 megabytes (MB) and packages with pins ranging from 64 to 176, the 32-bit lineup is a price-performance leader.

The 16-bit All Flash MCUs target applications that require high performance, flash memory capacities ranging from 16 to 512 KB and RAM capacities ranging from 1 to 30 KB. These devices operate at clock speeds up to 20 megahertz (MHz) and execute 13 Dhrystone MIPS.

NEC Electronics' diverse 8-bit lineup includes a full range of devices in packages with pins ranging from 16 to 144 and ROM and flash memory capacities ranging from 1 to 128 KB. The MCUs support an extensive selection of integrated peripherals for multipurpose and LCD-based designs. With reliability features such as power-on-clear (POC) circuitry, low-voltage indicators (LVIs), enhanced watchdog functions and internal ring oscillators, these devices offer unparalleled operating security.

All MCUs offered by NEC Electronics are fully supported by an extensive variety of third-party and proprietary NEC Electronics development tools.

Manufacturing Strength

In addition to a strong product lineup, NEC Electronics also maintains a strong global manufacturing presence to support customers around the world, as evidenced by the Multifab™ strategy, which enables customers to qualify multiple manufacturing and assembly/test facilities for a single design platform, initiated in manufacturing plants at NEC Kyushu Yamaguchi (Japan) and NEC Electronics America (Roseville, California). To support its MCU manufacturing efforts, NEC Electronics America recently expanded its semiconductor manufacturing capabilities in Roseville to include 0.15- and 0.25-micron processes on eight-inch wafers in addition to 0.35- and 0.25-micron processes on six-inch wafers.

About NEC Electronics America, Inc.

NEC Electronics America, Inc., headquartered in Santa Clara, California, is a wholly owned subsidiary of NEC Electronics Corporation (TSE: 6723), a leading provider of semiconductor products encompassing advanced technology solutions for the broadband and communications markets; system solutions for the mobile, PC,

automotive and digital consumer markets; and multi-market solutions for a wide range of consumer applications. NEC Electronics America offers local manufacturing in Roseville, California, and the global manufacturing capabilities of its parent company. In the Americas, NEC Electronics America markets and sells industrial-type active -matrix LCD modules from NEC LCD Technologies, Ltd., a global leader in innovative display technologies. More information about the products offered by NEC Electronics America can be found at <http://www.am.necel.com>.