

## FACT SHEET

### NEC Electronics America, Inc.

#### ADVANCED SYSTEM-LEVEL INTEGRATION CAPABILITIES

- › Customized solutions to meet customers' cost, performance and time-to-market requirements
- › Easy upgrades to more highly integrated next-generation designs
- › Extensive IP core portfolio
- › Leading-edge design tools and methodologies
- › Wide range of lead-free packaging options

#### LOCAL AND GLOBAL MANUFACTURING

- › Local production at the company's 709,000-square-foot manufacturing facility in Roseville, California
- › Global production, including 90 nm and 55 nm process technologies, at the worldwide manufacturing facilities of parent company
- › Local foundry services and design support

NEC Electronics America is a developer, manufacturer and supplier of semiconductor-based advanced technology solutions, system solutions and multi-market IC solutions.

A wholly owned subsidiary of NEC Electronics Corporation, the company offers to the Americas a broad range of semiconductor solutions comprising standard and custom products, all backed by outstanding local support and global manufacturing resources.

An extensive network of regional sales, representative and distributor offices serves customers throughout the Americas. In addition, NEC Electronics America is the sales and marketing channel in the Americas for industrial-type active-matrix LCD modules from NEC LCD Technologies, Ltd.



**YUICHI KAWAKAMI**  
President and CEO  
Chairman of the Board

#### **Established:**

1981

#### **Headquarters:**

2880 Scott Boulevard  
Santa Clara, CA 95050-2554

#### **Manufacturing:**

7501 Foothills Boulevard  
Roseville, CA 95747-6565

## PRODUCTS

With an inventory of more than 5,000 device types, NEC Electronics America offers innovative products and design and development tools for a variety of applications.

### ASICs

- › Application-specific and high-speed interface cores
  - » PCI Express™
  - » Serial ATA
  - » USB 2.0
- › Full-service COT with embedded DRAM
- › Gate arrays and embedded arrays
- › Standard cells

### AUTOMOTIVE ASSPs

- › 8- and 32-bit microcontrollers supporting CAN, LIN and FlexRay™ protocols
- › Optimized peripherals for safety, body, audio and dashboard systems
- › Vision processors for advanced safety

### COMMUNICATIONS AND CONSUMER ASSPs

- › Advanced memory buffer (AMB)
- › EMMA™-based MPEG AV encoders, decoders and codecs
- › USB 2.0 and Wireless USB products

### FLAT PANEL DISPLAY MODULES

- › AM-LCD modules (2.7 to 23-inch)

### MEMORY PRODUCTS

- › FIFO memory
- › Low-power SRAM
- › Mobile-specified RAM
- › Asynchronous fast SRAM
- › QDRII SRAM
- › DDRII SRAM

### MICROCONTROLLERS

- › 8- and 16-bit 78K microcontrollers
- › 32-bit V850™ microcontrollers

### MICROPROCESSORS

- › 64-bit microprocessors

### POWER MANAGEMENT DEVICES

- › ESD protection diodes
- › Low-dropout voltage regulators
- › Low-voltage power MOSFETs
- › Power management ICs

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