



Diodes Incorporated Expands General-Purpose Low-Voltage CMOS Logic Family for Wide Application Range

Plano, Texas – February 22, 2012 – Diodes Incorporated (Nasdaq: DIOD), a leading global manufacturer and supplier of high-quality application specific standard products within the broad discrete, logic and analog semiconductor markets, expands its low-voltage CMOS (LVC) general-purpose logic family, beyond single- and dual-gate products, with the addition of 10 popular functions in 14-pin TSSOP packages.

The new 74LVCxx logic ICs are designed for a broad range of computing applications including desktop and notebook PCs, computer peripherals like hard-disk and optical drives, networking equipment such as routers and hubs, as well as an array of consumer equipment including TVs, set-top boxes, DVRs and gaming consoles.

Currently available devices in the family include: hex inverters, hex inverters and buffers with open drains, and hex inverters with Schmitt trigger inputs. Variations of quadruple NAND, AND, OR, XOR and two types of tri-state buffer gates will soon be available.

Key advantages of the new logic family include: a 1.65V to 5.5V range, allowing use in both battery-operated and traditional 5V applications; voltage tolerant inputs, to 5.5V, for use in a mixed-voltage environment; supply current of less than 1 μ A in many applications; and $I_{(OFF)}$ output circuitry, which disables the outputs preventing backflow current when the device is powered down. Additionally, the device inputs can be driven at 3.3V or 5.5V for voltage translation applications.

New ICs in the expanded family, which are direct drop-in replacements for industry-standard parts and are available at highly competitive prices, include:

- 74LVC00AT14-13 - Quadruple 2-Input NAND Gates
- 74LVC04AT14-13 - Hex Inverters
- 74LVC06AT14-13 - Hex Inverters with Open-Drain Outputs
- 74LVC07AT14-13 - Hex Buffers with Open-Drain Outputs
- 74LVC08AT14-13 - Quadruple 2-Input AND Gates
- 74LVC14AT14-13 - Hex Inverters with Schmitt Trigger Inputs
- 74LVC32AT14-13 - Quadruple 2-Input OR Gates
- 74LVC86AT14-13 - Quadruple 2-Input XOR Gates
- 74LVC125AT14-13 - Quadruple 3 State Buffers OE LOW
- 74LVC126AT14-13 - Quadruple 3 State Buffers OE HIGH

For further information, visit the Company's website at www.diodes.com.

About Diodes Incorporated

Diodes Incorporated (Nasdaq: DIOD), a Standard and Poor's SmallCap 600 and Russell 3000 Index company, is a leading global manufacturer and supplier of high-quality application specific standard products within the broad discrete, logic and analog semiconductor markets. Diodes serves the consumer electronics, computing, communications, industrial, and automotive markets. Diodes' products include diodes, rectifiers, transistors, MOSFETs, protection devices, functional specific arrays, single gate logic, amplifiers and comparators, Hall-effect and temperature sensors; power management devices, including LED drivers, DC-DC switching and linear voltage regulators, and voltage references along with special function devices, such as USB power switches, load switches, voltage supervisors, and motor controllers. The Company's corporate headquarters, logistics center, and Americas' sales office are located in Plano, Texas. Design, marketing, and engineering centers are located in Plano; San Jose, California; Taipei, Taiwan; Manchester, England; and Neuhaus, Germany. The Company's wafer fabrication facilities are located in Kansas City, Missouri and Manchester, with two manufacturing facilities located in Shanghai, China, another in Neuhaus, and two joint venture facilities located in Chengdu, China. Additional engineering, sales, warehouse, and logistics offices are located in Fort Worth, Texas; Taipei; Hong Kong; Manchester; and Munich, Germany, with support offices located throughout the world. For further information, including SEC filings, visit the Company's website at <http://www.diodes.com>.

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