



## **Diodes Incorporated's Single Gate Logic Now in Small DFN Package**

**Dallas, Texas –December 13, 2010** – 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, today announced the release of new versions of its 74LVC1GXX and 74LVCE1GXX CMOS logic families in DFN1410 packages measuring 1.4mm x 1.0mm x 0.4mm high. These tiny single gate devices complement the existing SOT25 and SOT353 versions and have been developed primarily for cell phones, smart phones and tablet computers. Compared to wafer chip scale packages, the DFN1410 provides the advantages of lower cost and reduced manufacturing complexity.

The new logic parts are direct replacements for industry standard components and include AND, NAND, OR, NOR, XOR, inversion and buffering functions. In many applications, these low power logic devices draw less than 1 $\mu$ A of supply current, making them ideal for use in battery-powered products.

Providing a direct interface with TTL levels, the 74LVC1GXX family operates from 1.6V to 5.5V and the 74LVCE1GXX from 1.4.V to 5.5V. The wide input ranges allow both families of devices to be used for voltage level shifting. The output drive is  $\pm$ 24mA at 3.3V. When they are powered down, the logic devices' I<sub>OFF</sub> output circuitry ensures that outputs are disabled to prevent reverse current flow and to provide signal isolation.

Demand for single gate logic functions at the point of application is growing as the need for 4-gate logic solutions wanes. Such single gate solutions require minimal routing and provide for better board utilization with improved signal performance. Further information is available at [www.diodes.com](http://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 Dallas, Texas. Design, marketing, and engineering centers are located in Dallas; 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 a joint venture facility located in Chengdu, China. Additional engineering, sales, warehouse, and logistics offices are located in 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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