



For immediate release

World's First Automotive AEC-Q100 Grade 3 Packet Switches Introduced by Diodes Incorporated at Embedded World 2017

Nuremberg, Germany – March 14th, 2017 – Diodes Incorporated (Nasdaq: DIOD), a leading global manufacturer and supplier of high-quality application specific standard products within the broad discrete, logic, analog and mixed-signal semiconductor markets, today introduced the PI7C9X2G304SLQ and PI7C9X2G404SLQ at Embedded World 2017, representing the first-ever packet switches to be automotive-qualified to AEC-Q100 grade 3. These PCI Express® (PCIe®) 3-Port/4-Lane and 4-Port/4-Lane Packet Switches are specifically designed to meet automotive industry requirements, targeting applications in infotainment, telematics and Advanced Driver Assistance Systems (ADAS). These parts feature advanced power management, hot-plug connectivity and an integrated 100MHz clock buffer to ease design and lower BOM cost.

Vehicle telematics and infotainment systems demand connectivity that meets both the latest communication standards and automotive reliability criteria. Based on Diodes' industry-leading PI7C9X2G PCIe2 Packet Switch family, the PI7C9X2G304SLQ and PI7C9X2G404SLQ devices offer compliance with AEC-Q100 Grade 3 over the full automotive temperature range of -40°C to +85°C, while meeting PCISIG PCIe rev. 2.1 to assure good interoperability.

With an MTBF rate of over 50 million hours, these highly reliable automotive devices are characterized by low power dissipation—typically 650mW in normal L0 mode and just 200mW in L1 mode—which eases thermal design. High performance is also ensured by the family's low latency, which is typically 150ns for a packet running through the switch without blocking.

To meet non-automotive requirements for greater fan-out, port-extension flexibility, and to support multiple-host functionality for failover operation, Diodes has also introduced 9-port/12-lane and 16-port/16-lane versions of its PCIe Packet Switches,

the PI7C9X2G912GP and PI7C9X2G1616PR. These support multiple x2 downstream ports, making them well-suited for a wide range of embedded system, networking, telecom and storage applications, such as backplanes, industrial process controllers, switches, routers, gateways, base stations, RAID controllers, solid state drives, and NAS equipment.

Diodes' automotive-grade PI7C9X2G304SLQ and PI7C9X2G404SLQ Packet Switches are offered in a 128-pin LQFP package. The 9-port/12-lane PI7C9X2G912GP Packet Switch is packaged in a 196-pin PBGA, while the 16-port/16-lane PI7C9X2G1616PR comes in a 324-pin HSBGA package.

Diodes is exhibiting on Booth 431 in Hall 3A at Embedded World 2017 in Nuremberg, Germany, March 14-16, and welcomes visitors to come and find out more about its exciting new products. Further information is also available at www.diodes.com

PCI Express and PCIe are registered trademarks of PCI-SIG Corporation.

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, analog and mixed-signal semiconductor markets. Diodes serves the consumer electronics, computing, communications, industrial, and automotive markets. Diodes' products include diodes, rectifiers, transistors, MOSFETs, protection devices, function-specific arrays, single gate logic, amplifiers and comparators, Hall-effect and temperature sensors, power management devices, including LED drivers, AC-DC converters and controllers, 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. Diodes' corporate headquarters and Americas' sales office are located in Plano, Texas and Milpitas, California. Design, marketing, and engineering centers are located in Plano; Milpitas; Taipei, Taiwan; Taoyuan City, Taiwan; Zhubei City, Taiwan; Manchester, England; and Neuhaus, Germany. Diodes' wafer fabrication facilities are located in Kansas City, Missouri and Manchester, with an additional facility located in Shanghai, China. Diodes has assembly and test facilities located in Shanghai, Jinan, Chengdu, and Yangzhou, China, as well as in Hong Kong, Neuhaus and Taipei. Additional engineering, sales, warehouse, and logistics offices are located in Taipei; Hong Kong; Manchester; Shanghai; Shenzhen, China; Seongnam-si, South Korea; and Munich, Germany, with support offices throughout the world.

Recent news releases, annual reports and SEC filings are available at the Company's website: <http://www.diodes.com>. Written requests may be sent directly to the Company, or they may be e-mailed to: diodes-fin@diodes.com.

Company Contact:

Diodes Incorporated
Julie Holland
VP, Worldwide Analog Products
P: 972-987-3900
E: pressinquiries@diodes.com

Investor Relations Contact:

Shelton Group
Leanne K. Sievers
EVP, Investor Relations
P: 949-224-3874
E: lsievers@sheltongroup.com