



For immediate release

Diodes Incorporated Introduces World's First Power Switch to Fully Support USB Type-C Power Delivery and Fast-Role Swap

Plano, Texas – May 30, 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 DPS1133. This single-channel power switch is the world's first high-voltage power switch designed to meet all the demanding protection and fast-role swap requirements of USB Type-C™ ports. As such, it addresses the full gamut of mobile and desktop computing devices and peripherals, and numerous other applications in the consumer electronics, mobile communications, industrial, and medical markets, such as smartphones, AR/VR goggles, robotics, automotive infotainment, and home electronics.

Specifically, the DPS1133 protects the VBUS lines to and from USB Type-C connectors, meets the fast role swap (FRS) timing criteria defined by the latest Release 3.0 Power Delivery Specification, and supports all the allowed USB-C port operational modes: downstream facing (DFP), upstream facing (UFP), and dual-role (DRP). Designed to operate between 4.5V and 24V, the DPS1133 can either act to provision or consume power at up to 3.5A through a USB Type-C connector, automatically protecting and recovering from fault conditions like over-voltage, over-current, short-circuit, reverse-voltage, and over-temperature, without the intervention of a system controller.

The low on-state resistance of the DPS1133 power switch (typically $\leq 30\text{m}\Omega$) enables the 3.5A maximum continuous current and helps minimize power dissipation, while the thermally efficient QFN4040-17 package ensures a sufficiently low surface temperature during operation. Usability is enhanced through the ability to use external resistors to adjust many device parameters, such as voltage and current limits, and ramp times. Control pins also allow the input and output ports to be

discharged through an internal resistor. Further information is also available at www.diodes.com.

USB Type-C is a trademark of USB Implementers Forum.

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.

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