



1.8V PCIe 4.0 ReDriver from Diodes Incorporated Extends PCB Trace Lengths While Minimizing Power Consumption

Plano, Texas – August 23, 2022 – Diodes Incorporated (Diodes) (Nasdaq: DIOD) has further strengthened its range of PCIe® solutions with the addition of a new high-speed data rate ReDriver™ device. The DIODES™ [PI2EQX16924](#) is the industry's first available PCIe 4.0 ReDriver that operates from a 1.8V voltage rail, where competing solutions have to use a 3.3V rail. It addresses a broad variety of computing and data communication applications.

The PI2EQX16924 only consumes 288mW and 27mW respectively when in active and low-power modes, particularly important for saving battery charge in portable applications.

The device features four differential channels that are independently configurable in terms of receiver equalization and flat gain. This mitigates inter-symbol interference and allows signal loss compensation, so that longer PCB trace lengths can be achieved. As the I²C interface is used for such configuration work, firmware requirements are minimal.

The PI2EQX16924 is capable of handling data rates up to 16Gbps. The device is compliant with PCIe 4.0 and backwards compatible with PCIe 1.0, 2.0 and 3.0 generations. An industrial temperature range from -40°C to 85°C is supported.

The [PI2EQX16924](#) ReDriver is supplied in a 32-pin X2-QFN package and it is available at \$3.25 in 3500 piece quantities.

About Diodes Incorporated

Diodes Incorporated (Nasdaq: DIOD), a Standard and Poor's SmallCap 600 and Russell 3000 Index company, delivers high-quality semiconductor products to the world's leading companies in the consumer electronics, computing, communications, industrial, and automotive markets. We leverage our expanded product portfolio of discrete, analog, and mixed-signal products and leading-edge packaging technology to meet customers' needs. Our broad range of application-specific solutions and solutions-focused sales, coupled with worldwide operations of 32 sites, including engineering, testing, manufacturing, and customer service, enables us to be a premier provider for high-volume, high-growth markets. For more information visit www.diodes.com.

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