The PI3EQX12904A is a PCIe 3.0/SATA3 combo ReDriver with linear equalization up to 8Gbps. The device has four differential channels, providing programmable linear equalization, output swing, and flat gain. The equalization is controlled by pin-strapping and optimizes performance over a variety of physical media by reducing intersymbol interference.

The PI3EQX12904A is used to extend PCB trace lengths while minimizing cost and power consumption. It can also deliver lower latency.

Operating from a supply voltage of 3.3V, the device operates over the industrial temperature range of -40ºC to +85ºC.

**DIODES Advantage**

- **Up to 8Gbps, 2-Lane (4-Channel) Linear Equalizer**
  Supports PCIe 3.0 and SATA3 protocol

- **Extends PCB Trace Lengths while Minimizing Cost, Power, and Reduces Signal Latency**

- **Independent Channel Configuration of Receiver Equalization, Output Swing and Flat Gain**
  Compensates signal loss of PCB trace length with different settings

- **Supports Auto Receiver Detection and Low-Power Mode for Adaptive Power Management**

**Applications**

- Laptop PC
- All-in-One PC
- Desktop PC
- IPC
- Storage

- Embedded System

www.diodes.com
New Product Announcement
PI3EQX12904A

8Gbps, PCIe 3.0/SATA3 Combo ReDriver Portfolio

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To find out more information: [https://www.diodes.com/part/PI3EQX12904A](https://www.diodes.com/part/PI3EQX12904A)

Ordering Information

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