



# Multi-Channel PCIe Gen 4 Linear Equalizer

## PTN3944

### Archived

This page contains information on a product that is no longer manufactured (discontinued). Specifications and information herein are available for historical reference only.

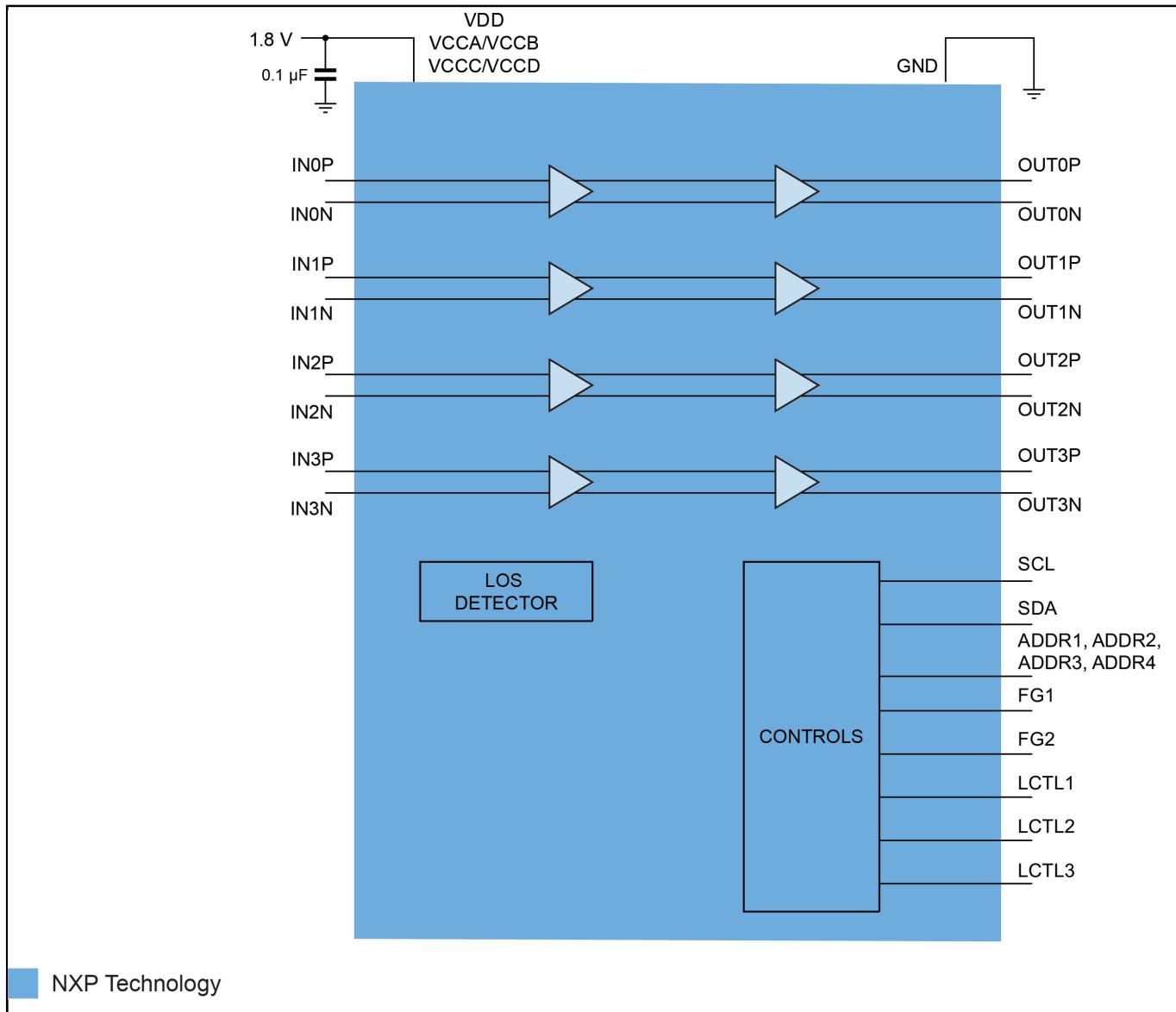
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PTN3944 is a high-performance multi-channel (x4) linear equalizer that is optimized for PCIe 4.0, UPI and similar high-speed interfaces. PTN3944 addresses high-speed signal quality enhancement requirements for implementation of PCIe and UPI interfaces.

The device provides programmable linear equalization, output swing linearity control by pin strapping or I<sup>2</sup>C control to improve signal integrity and enable channel extension by reducing Inter-Symbol Interference (ISI). The equalizer supports use across a variety of channel conditions. PTN3944 supports entering into deep standby state using an I<sup>2</sup>C register write.

PTN3944 is powered from a 1.8 V supply. It is available in a small high performance HWFLGA36 package.

## PTN3944 Block Diagram Block Diagram



[View additional information for Multi-Channel PCIe Gen 4 Linear Equalizer.](#)

**Note:** The information on this document is subject to change without notice.