



# 10BASE-T1S PMD Industrial Transceiver

**TJF1410** NEW

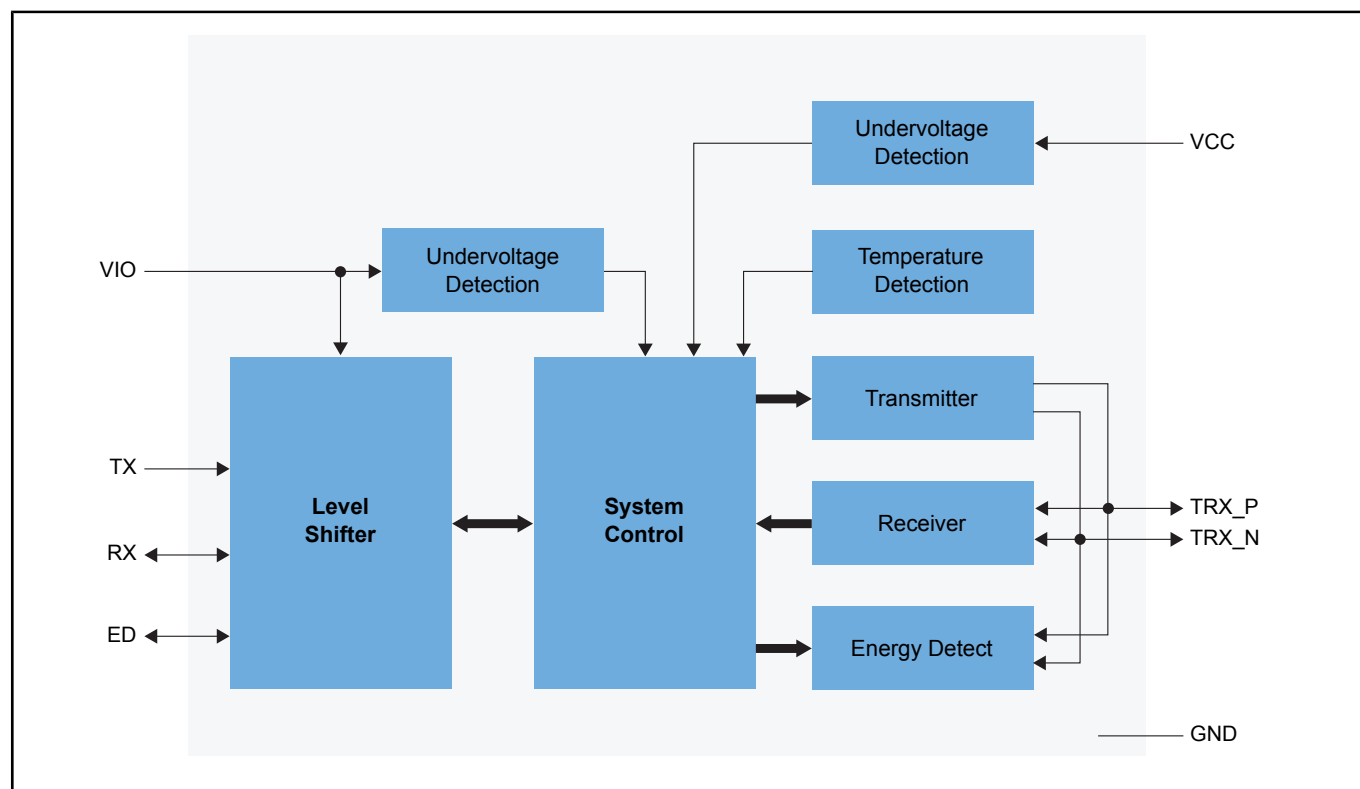
## Preproduction

This page contains information on a preproduction product. Specifications and information herein are subject to change without notice. For additional information please contact your sales representative.

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TJF1410 is NXP's 10BASE-T1S OA TC14 specification compliant PMD transceiver for 10 Mbps industrial Ethernet applications. It communicates over the OA 3-pin interface with a host MCU or switch, which must have the 10BASE-T1S digital PHY. The device is a cost-effective solution for 10BASE-T1S connectivity, and comes in a compact HVSON8 (3 x 3 mm) low footprint package. It ensures high signal quality even in challenging electromagnetic environments, while having a low quiescent current and supporting advanced diagnostics features such as topology discovery as specified in OA TC14. The TJF1410 complies with all OA TC14 conformance test specifications. It also supports OPEN Alliance TC10-TC14 wake signal over the ethernet data line and is fully compatible with a power over data line implementation. It can support use cases up to 32 nodes on a 10BASE-T1S bus and cable lengths up to 100m.

## TJF1410 Block Diagram



View additional information for [10BASE-T1S PMD Industrial Transceiver](#).

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

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