



# TJA1410, 10BASE-T1S PMD Transceiver

## TJA1410 NEW

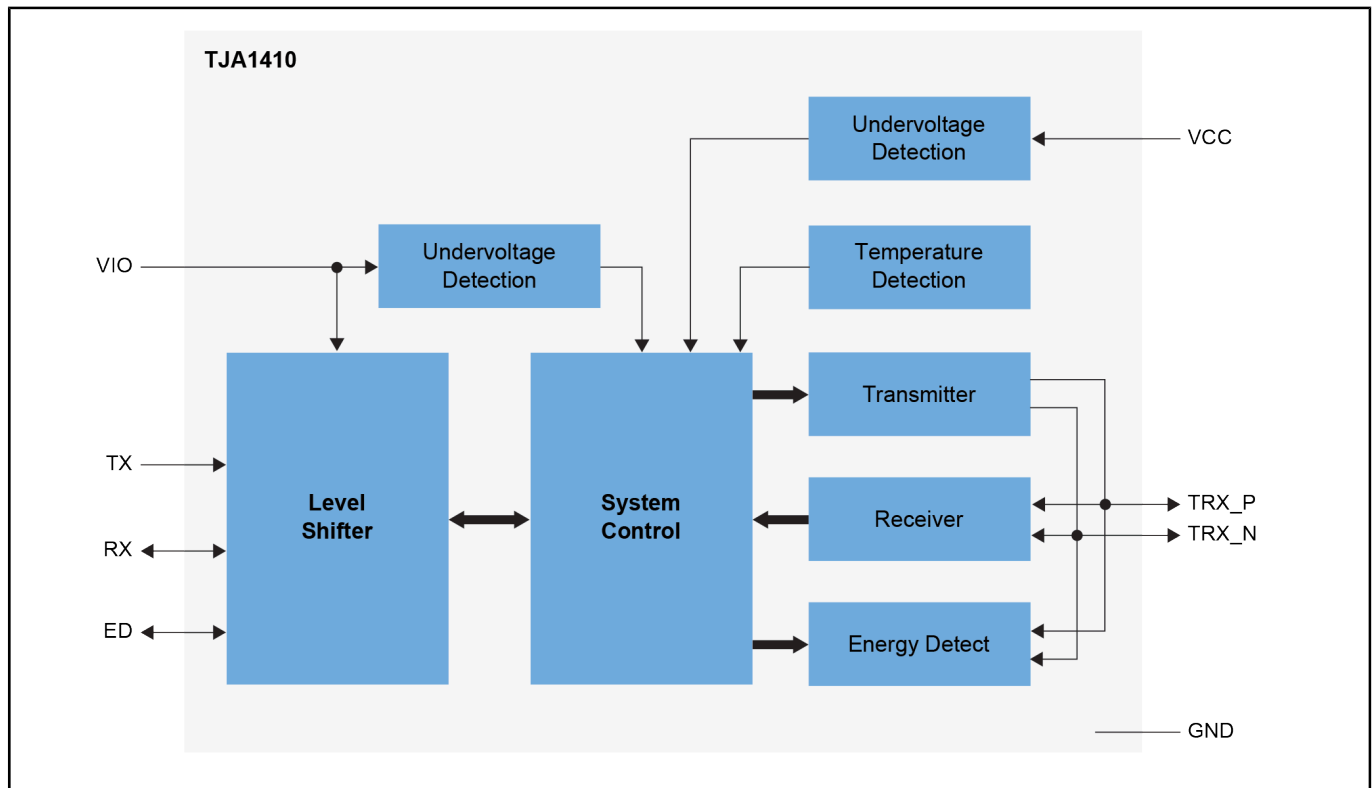
**Active**

Last Updated: Jan 26, 2026

TJA1410 is NXP's 10BASE-T1S OA TC14 specification compliant PMD transceiver. It communicates over the OA 3-pin interface with the 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 TJA1410 complies with all OA TC14 conformance test specifications and is designed according to ISO 26262 to meet ASIL B functional safety requirements. 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 is AEC-Q100 Grade 1 qualified.

## 10BASE-T1S PMD Transceiver Block Diagram



View additional information for [TJA1410, 10BASE-T1S PMD Transceiver](#).

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

**www.nxp.com**

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2026 NXP B.V.