



# TJA1101B, IEEE 100BASE-T1 Compliant Automotive Ethernet PHY Transceiver

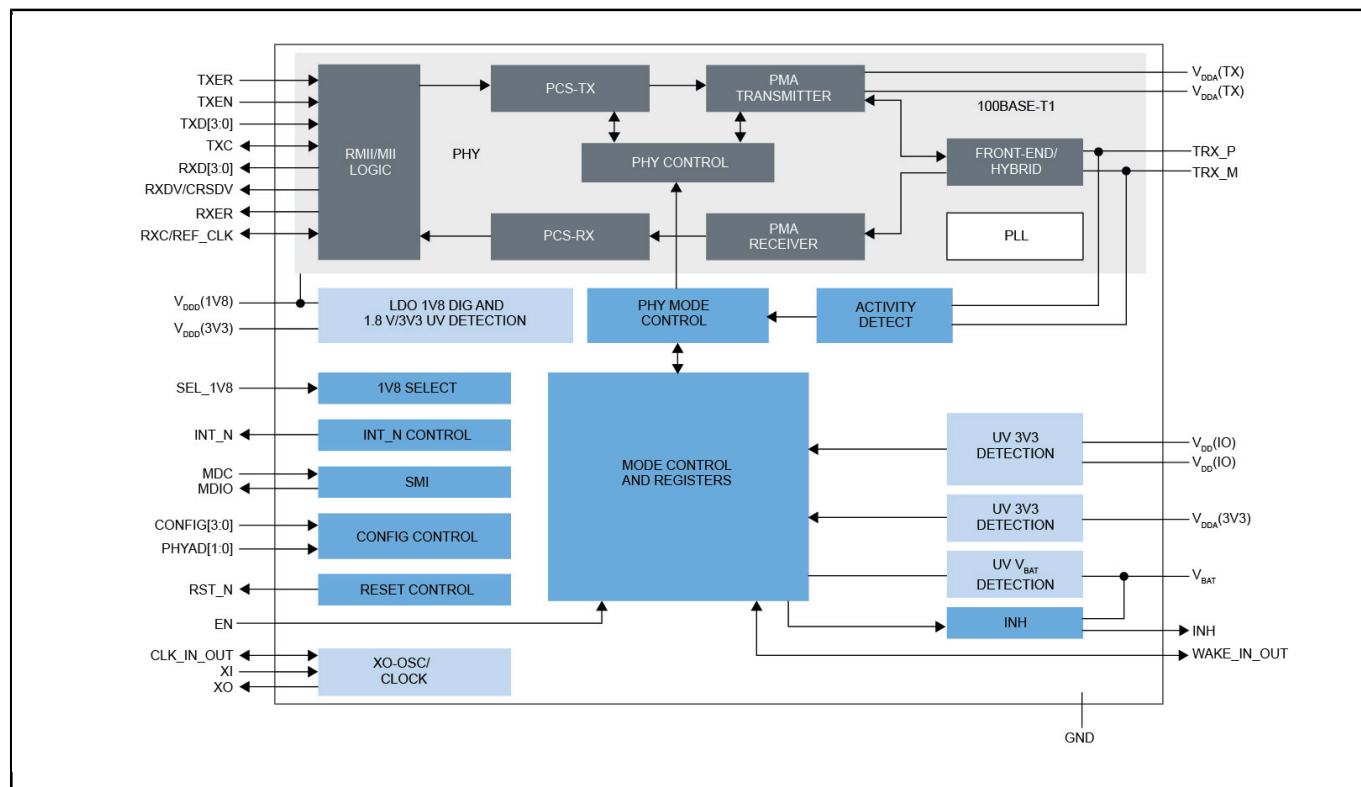
## TJA1101

Last Updated: Dec 24, 2025

TJA1101B is the revision of the successful TJA1101A. The high performance, single port automotive Ethernet PHY is compliant to IEEE 100BASE-T1. The device is passing all state of the art conformance test specs, including OPEN Alliance EMC Spec 2.0

- Designed according to ISO26262, it meets ASIL-A to ease the design of safe vehicles
- Being designed and fully qualified for automotive applications, the TJA1101B offers 100Mbit/s transmit and receive capability over up to at least 15m of unshielded twisted pair (UTP) cable
- The highly integrated device is robust by design, saving external filter and ESD protection components in the MDI path
- Future proof by enabling fully OPEN Alliance TC-10 compliant sleep and wakeup forwarding over the data line, it saves wire cost and weight by replacing dedicated wake-up lines

## TJA1101B Block Diagram



View additional information for [TJA1101B, IEEE 100BASE-T1 Compliant Automotive Ethernet PHY Transceiver](#).

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

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