TJA1100, IEEE 100BASE-T1 Compliant Automotive Ethernet PHY Transceiver
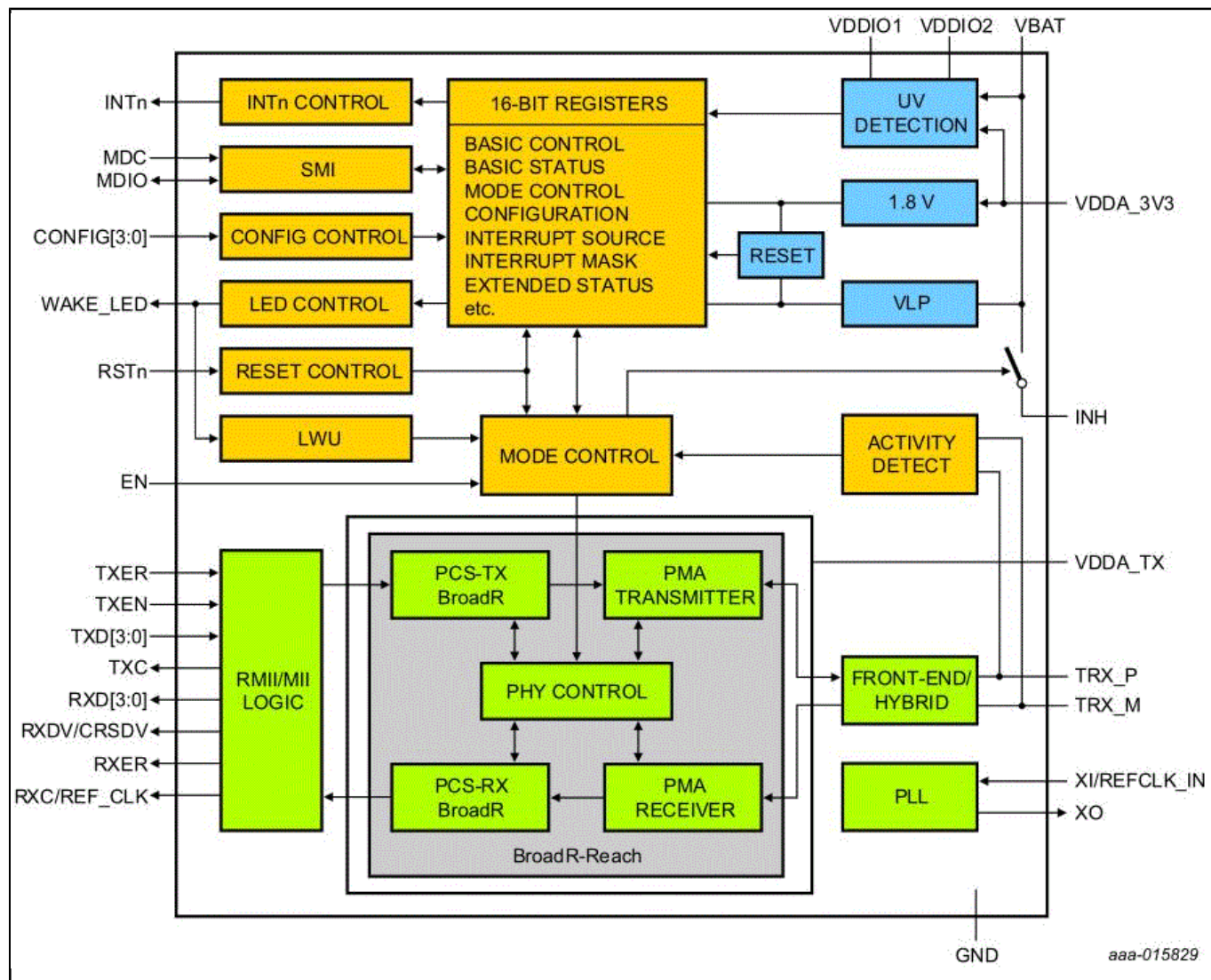
TJA1100

Not Recommended for New Designs
This page contains information on a product that is not recommended for new designs.

Last Updated: Mar 14, 2025

The TJA1100 is IEEE 100BASE-T1 compliant. The single port Ethernet PHY Transceiver is designed and fully qualified for automotive applications. It supports 100 Mbit/s transmit and receive capability up to at least 15 m of unshielded twisted pair (UTP) cables. The TJA1100 enables lowest system cost and fulfills the demanding area and heat constraints of next-generation electronic control units (ECU) and sensors for Advanced Driver Assistance System (ADAS). Qualified in compliance with AEC-Q100 Grade 1, the TJA1100 is natively designed for the smallest package footprint, minimal external component overhead, and low power.

TJA1100 Block Diagram

View additional information for TJA1100, IEEE 100BASE-T1 Compliant Automotive Ethernet PHY Transceiver.

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