



CAN FD Transceiver with Partial Networking and Advanced System Monitoring, CAN FD Data Rates Up to 5 Mbit/s

TJA1446

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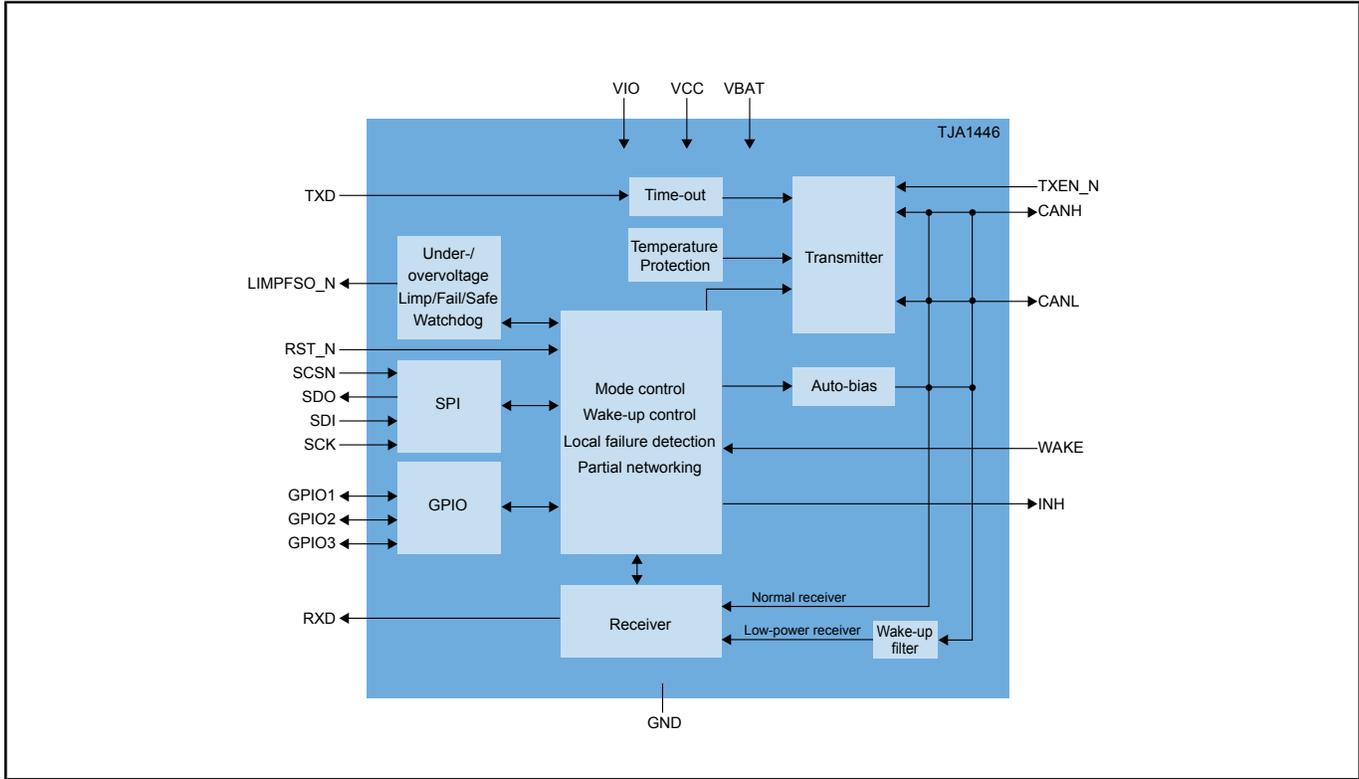
The TJA1446 CAN FD transceiver with partial networking sleep mode, is part of the TJA144x transceiver family that implements CAN FD as defined in ISO11898-2:2024 parameter sets A-B. The TJA1446 is fully interoperable with the high-speed classical CAN and CAN FD protocols, and fully developed and certified to be ISO 26262 ASIL-B compliant.

The TJA1446 supports CAN partial networking by means of selective wake-up functionality as specified in ISO 11898-2:2024, allowing the transceiver to remain in sleep mode even when CAN bus traffic is running, when it is not required to be active.

The TJA1446 offers an extended feature set on top of the TJA1445, including two configurable GPIO pins, a Q&A watchdog with dedicated reset and failsafe/limp home pins and accurate VIO undervoltage and overvoltage monitoring.

The TJA1446 offers a CAN FD/ CAN XL passive feature, which in sleep mode prevents the transceiver from waking up and shields the CAN controller from CAN FD and CAN XL messages when running a mixed bus communication.

TJA1446 Block Diagram



View additional information for [CAN FD Transceiver with Partial Networking and Advanced System Monitoring, CAN FD Data Rates Up to 5 Mbit/s](#).

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