



2nd Generation CAN SIC Transceiver with Standby Mode (ASIL B)

TJA1464 NEW

Preproduction

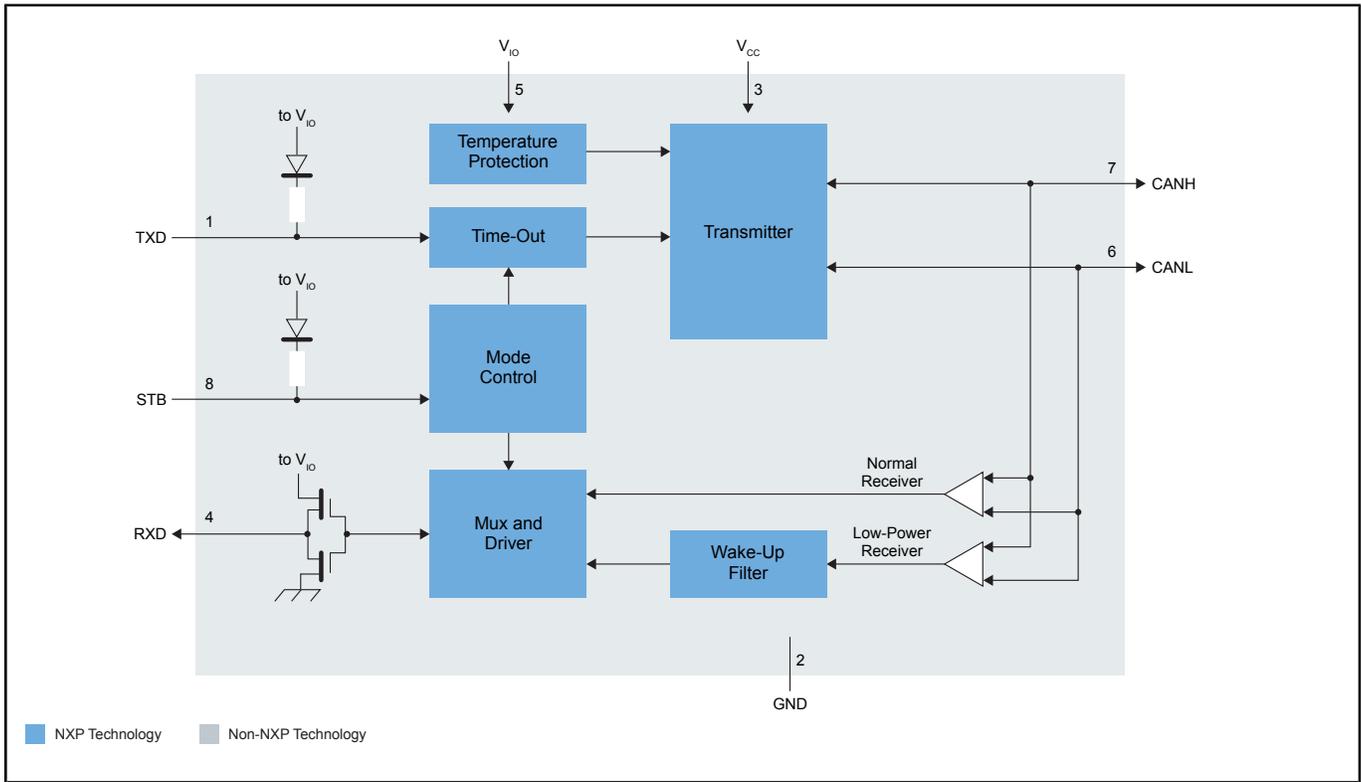
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The TJA1464 is a CAN SIC (Signal Improvement Capability) transceiver with standby mode, designed for high-speed automotive and industrial CAN networks. Fully compliant with ISO 11898#2:2024 and SAE J2284#1 through J2284#5, it reduces signal ringing to enable reliable CAN FD communication at 5 Mbit/s, and supports data rates up to 8 Mbit/s in larger and more complex network topologies.

Compared to the TJA1462, the TJA1464 provides a more cost-effective solution while adding ASIL B functional safety and extended bus-load capability compatible with CAN XL. It is fully backward compatible with NXP's widely adopted CAN transceivers, including the TJA1042, TJA1044, and TJA1462, making it easy to integrate into existing CAN and CAN FD system designs.

TJA1464 Block Diagram



View additional information for [2nd Generation CAN SIC Transceiver with Standby Mode \(ASIL B\)](#).

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