



CAN Signal Improvement Capability Transceiver with Sleep Mode

TJA1463

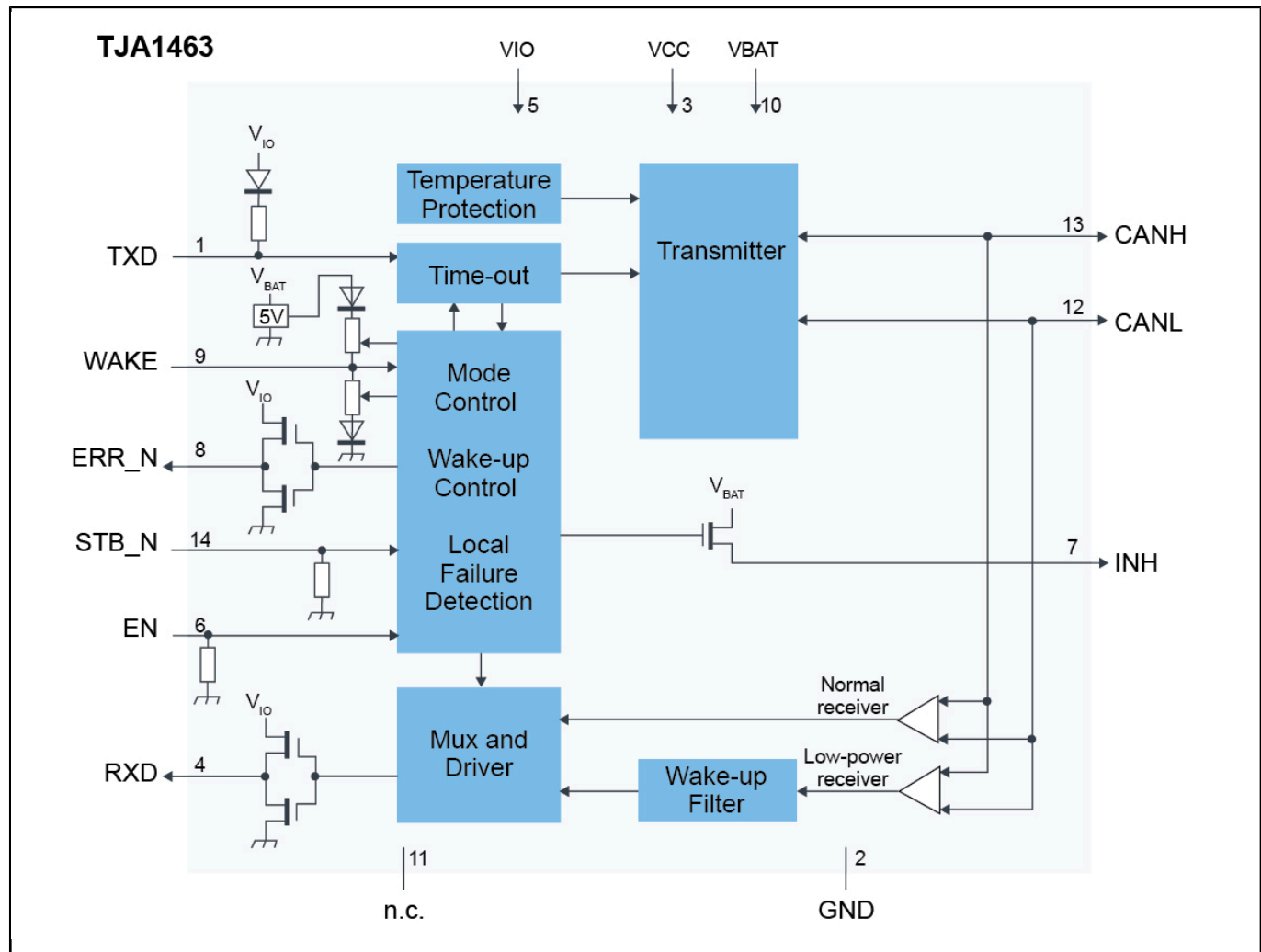
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The TJA1463 CAN signal improvement capability (SIC) transceiver with sleep mode is part of the TJA146x transceiver family that implements CAN SIC as defined in ISO 11898-2:2024 . By meeting the CAN physical layer as defined in ISO 11898-2:2024 and SAE J2284-(1-5), the TJA1463 is fully interoperable with high-speed classical CAN and CAN FD.

CAN signal improvement significantly reduces signal ringing on a network, allowing reliable CAN FD communication to function at 5 Mbit/s in larger topologies. In addition, the TJA1462 features a much tighter bit timing symmetry performance to enable CAN FD communication up to 8 Mbit/s.

The TJA1463 is backwards compatible and a drop-in replacement for classical CAN and CAN FD transceivers, such as NXP's TJA1043 and TJA1443.

TJA1463 Block Diagram



View additional information for [CAN Signal Improvement Capability Transceiver with Sleep Mode](#).

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