



Single ISO17987/SAE J2602 Transceiver with 1.8 V VIO

TJA1421

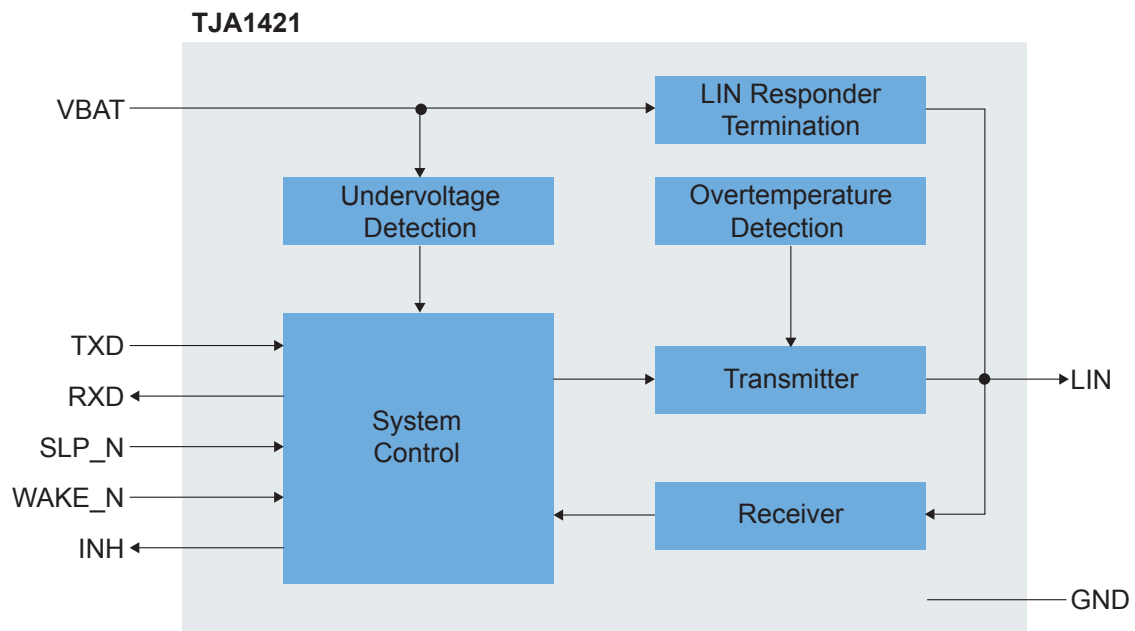
Active

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The TJA1421 is the interface between the Local Interconnect Network (LIN) commander/responder protocol controller and the physical bus. It is primarily intended for in-vehicle subnetworks using baud rates up to 20 kBd and is compliant with LIN 2.x, Society of Automotive Engineers (SAE) J2602 and International Organization for Standardization (ISO) 17987-4:2016 (12 V). The TJA1421 is pin-to-pin compatible with the TJA1021.

Not only supporting all functions of TJA1021, TJA1421 also has optimized electromagnetic compatibility (EMC) and electrostatic discharge (ESD) performance according to the latest International Electrotechnical Commission (IEC) and SAE standards, tighter responder termination to support more LIN responder (>15) nodes in the same network, 1.8 V voltage input/output (VIO) to support high-end microcontroller unit (MCU) and MCU time-out fail-safe feature to minimize the power consumption.

TJA1421 Block Diagram



View additional information for [Single ISO17987/SAE J2602 Transceiver with 1.8 V VIO](#).

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

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