Highly Integrated Quad LIN Commander Transceiver with 1.8 V VIO

TJA1425

Active

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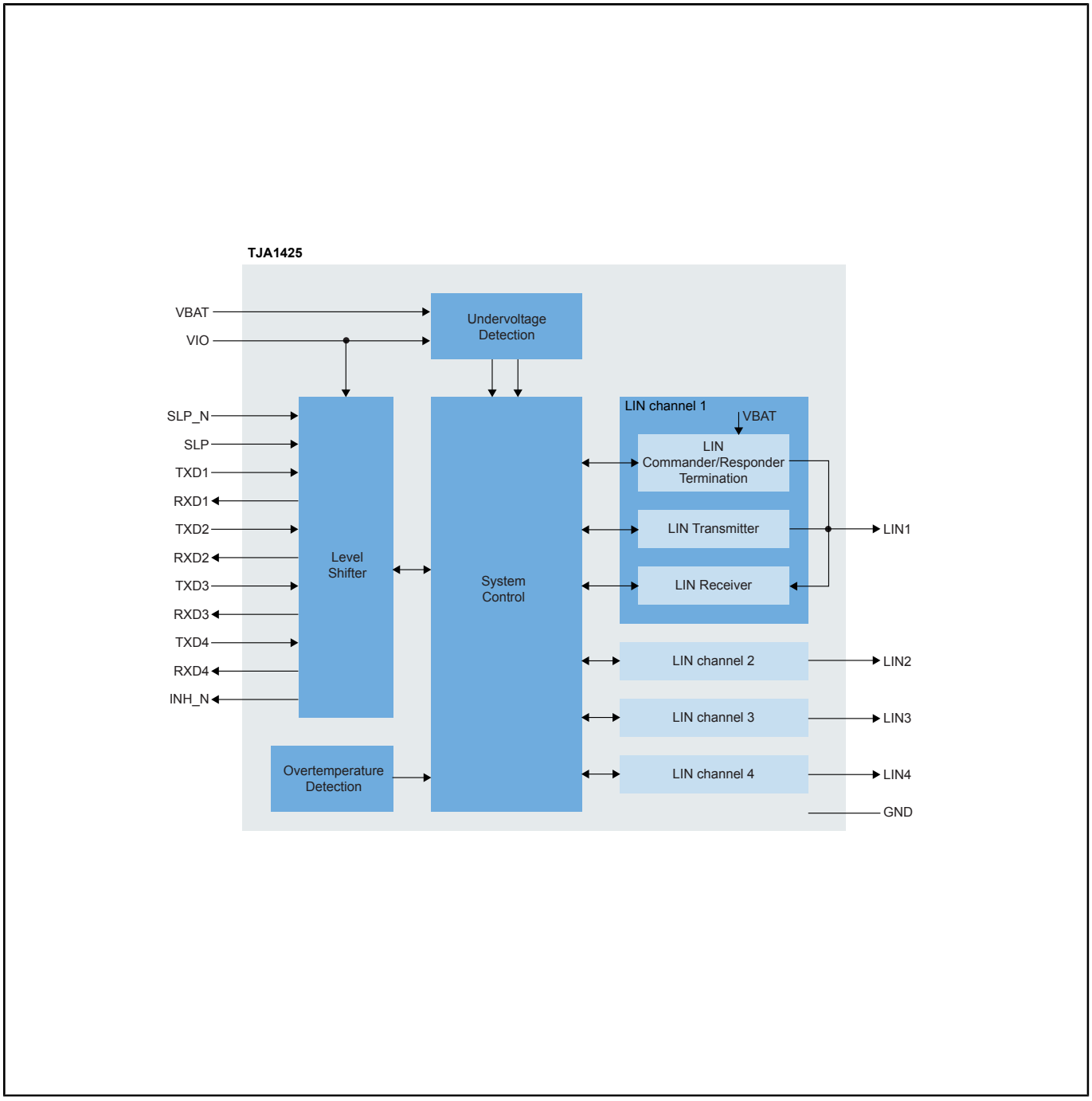
The TJA1425 is a quad local interconnect network (LIN) channel device. It provides the interface between a LIN commander protocol controller and the physical bus in a LIN network. Each of the four channels contains a LIN transceiver and LIN commander termination. It is primarily intended for in-vehicle sub-networks using baud rates up to 20 kBd and is compliant with LIN 2.x, SAE J2602 and ISO 17987-4:2016 (12 V). The TJA1425 is pin-to-pin compatible with the TJA1124.

Not only supporting all functions of TJA1124, TJA1425 also has optimized EMC and ESD performance according to the latest IEC and SAE standards, 1.8 V IO to support high-end MCU, MCU time-out fail-safe feature to minimize the power consumption.

Power consumption is very low in low power mode. However, the TJA1425 can still be woken up via pins SLP or SLP_N and LIN1 to LIN4.

TJA1425 Block Diagram



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

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