



FlexRay Active Star Coupler – 4 Branch

TJA1085

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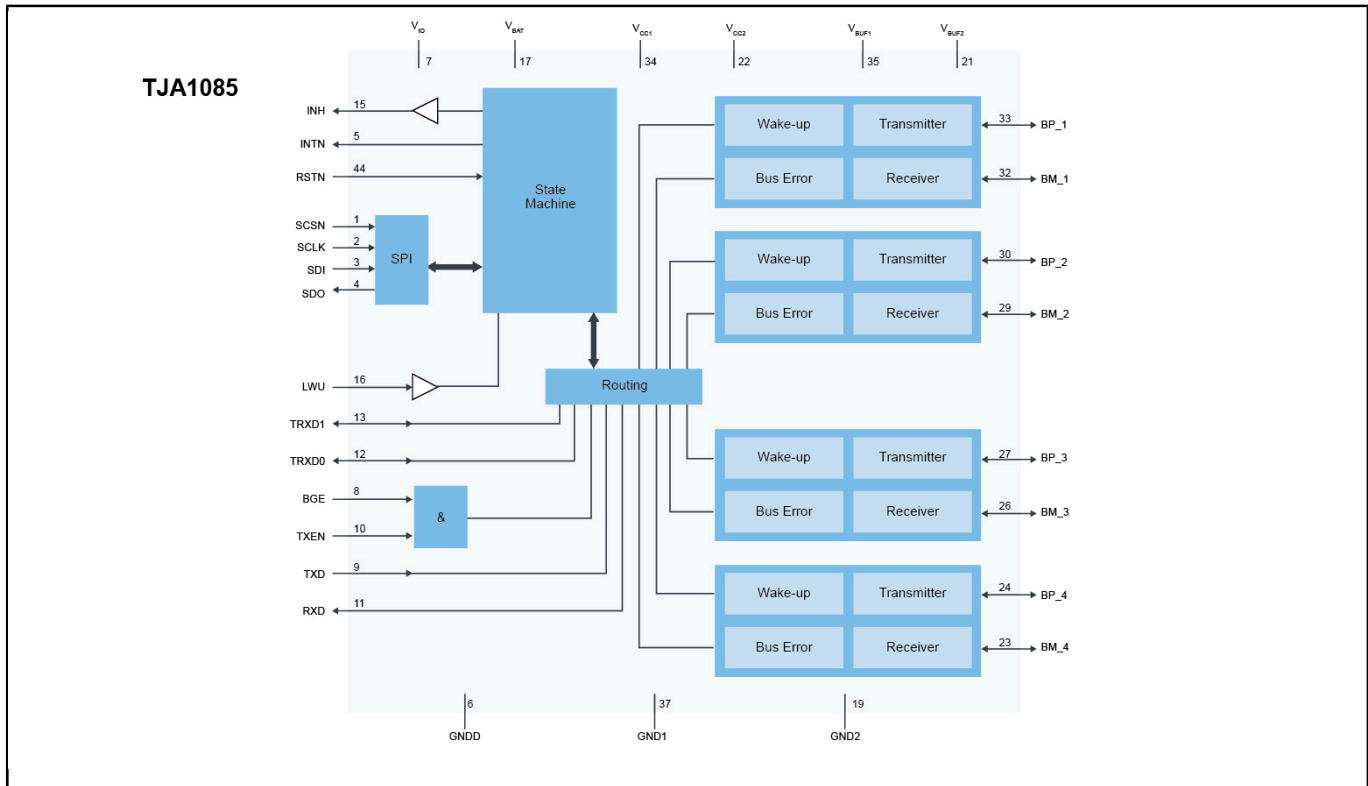
[TJA1085G](#) is the recommended part for new designs as the TJA1085HN does NOT have production continuity guaranteed by the NXP longevity program.

The TJA1085 is a FlexRay active star coupler that can connect up to 4 branches of a FlexRay network. The TJA1085 is compliant with the FlexRay electrical physical layer specification V3.0.1/ISO17458-4

Several TJA1085 devices can be connected via their TRXD0/1 interfaces to increase the number of branches in the network. A dedicated Communication Controller (CC) interface allows for integration into an ECU. The TJA1085 supports low-power management by offering bus wake-up capability along with battery supply and voltage regulator control. The TJA1085 meets industry standards for EMC/ESD performance and provides enhanced bus error detection, low current consumption and unmatched asymmetric delay performance.

The TJA1085 also fulfills the JASPAR requirements as defined by the Japanese car industry.

TJA1085 Block Diagram Block Diagram



View additional information for [FlexRay Active Star Coupler – 4 Branch](#).

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

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