



# FlexRay Active Star Coupler – 2 Branch

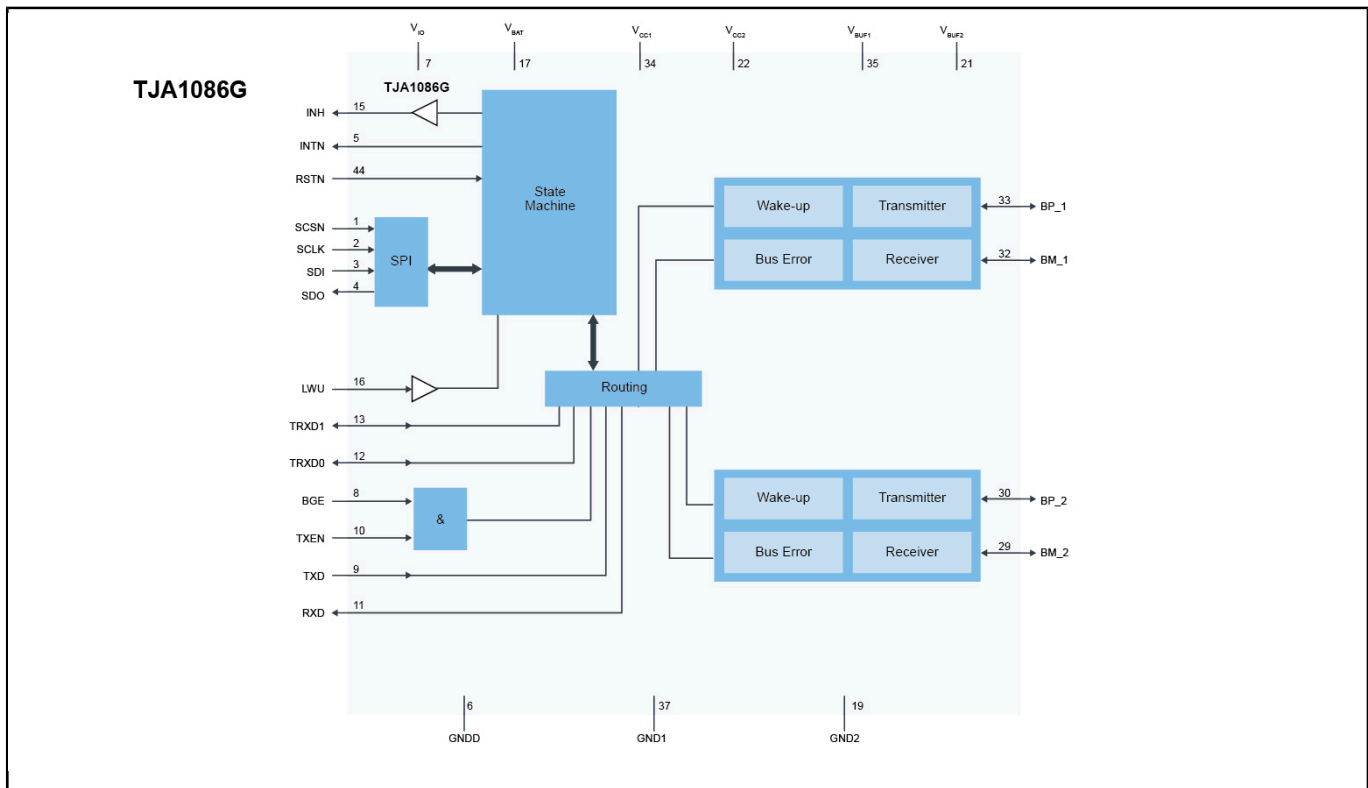
## TJA1086G

Last Updated: Jul 20, 2023

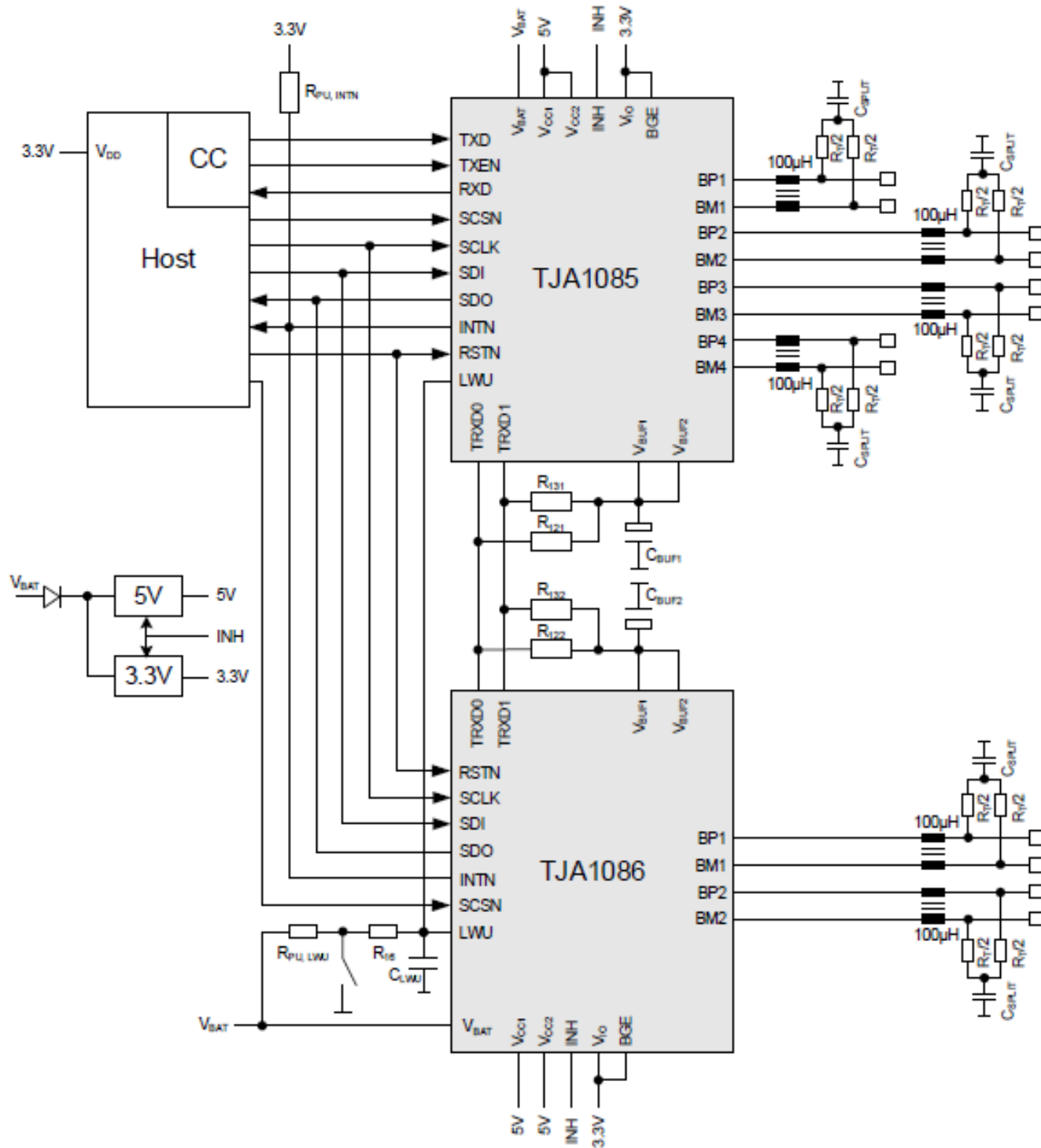
The TJA1086G is a FlexRay™ active star coupler that connects two branches of a FlexRay network. The TJA1086G is compliant with the FlexRay electrical physical layer specification V3.0.1/ISO17458-4.

- Several TJA1085G and TJA1086G devices can be connected via their TRXD0/1 interfaces to increase the number of branches in the network
- A dedicated Communication Controller interface allows for integration into an ECU
- Supports low-power management by offering bus wake-up capability along with battery supply and voltage regulator control
- Meets industry standards for EMC/ESD performance and provides enhanced bus error detection, low current consumption and unmatched asymmetric delay performance

## TJA1086G Block Diagram Block Diagram



## Active star coupler that connects two branches of a FlexRay network Block Diagram



Commonly used buffer capacitors at the  $V_{BAT}$ ,  $V_{IO}$ ,  $V_{CC1}$ ,  $V_{CC2}$ ,  $V_{BUF1}$  and  $V_{BUF2}$  pins are not shown

View additional information for [FlexRay Active Star Coupler – 2 Branch](#).

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

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