



FlexRay™ Node Transceiver – Clamp 15

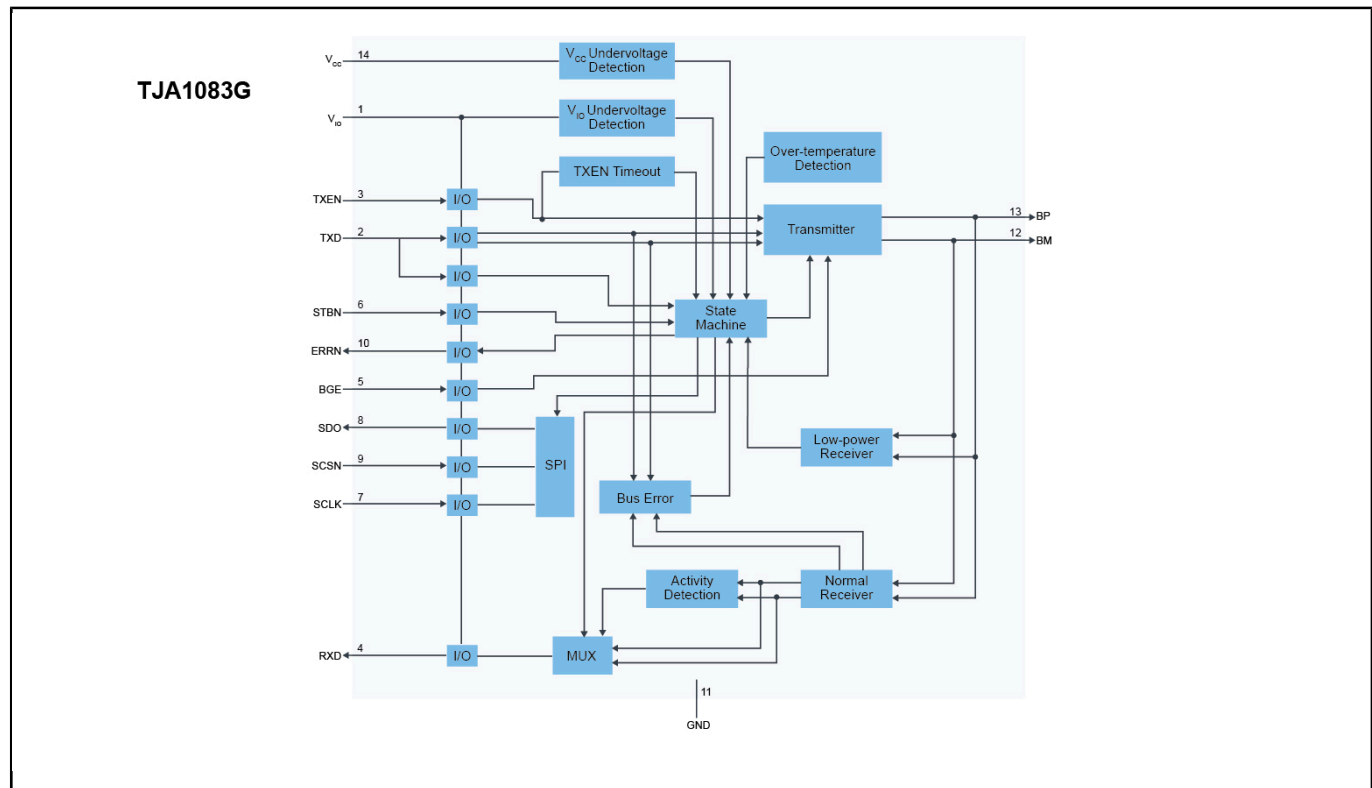
TJA1083G

Last Updated: Mar 14, 2025

The TJA1083G FlexRay™ node transceiver is compliant with the FlexRay Electrical Physical Layer specification ISO 17458-4:2013. The TJA1083G is a Clamp 15 transceiver, optimized for applications that are switched off by the ignition key. It is primarily intended for communication systems operating at between 2.5 Mbit/s and 10 Mbit/s and provides an advanced interface between the protocol controller and the physical bus in a FlexRay network.

- Offers an optimized solution for electronic control unit applications that are not directly connected to the battery and are switched on and off by the ignition key.
- Provides a differential transmit capability to the network and a differential receive capability to the FlexRay controller. It offers excellent electromagnetic compatibility (EMC) performance as well as high electrostatic discharge (ESD) protection.

TJA1083G Block Diagram



View additional information for [FlexRay™ Node Transceiver - Clamp 15](#).

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

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2025 NXP B.V.