



# **VeLIO Certified, High-Speed CAN Transceivers with Standby Mode for Automotive Applications**

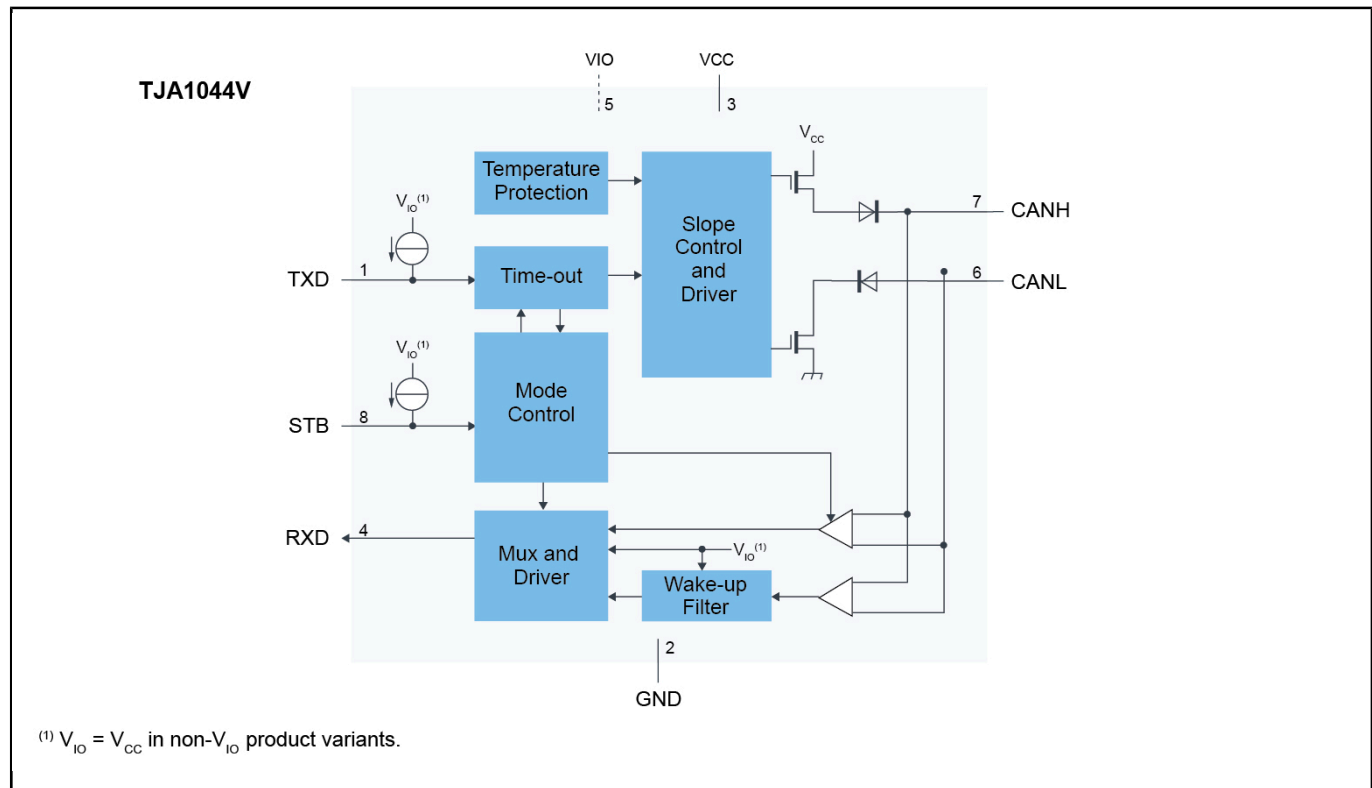
## **TJA1044V**

Last Updated: Apr 15, 2025

The TJA1044V is part of the Mantis family of high-speed CAN transceivers. It provides an interface between a Controller Area Network (CAN) protocol controller and the physical two-wire CAN bus. The transceiver is designed for high-speed CAN applications in the automotive industry, providing the differential transmit and receive capability to (a microcontroller with) a CAN protocol controller.

The TJA1044V offers a feature set optimized for 12 V automotive applications, with significant improvements over NXP's first- and second-generation CAN transceivers, such as the TJA1040 and TJA1042, and excellent ElectroMagnetic Compatibility (EMC) performance.

## TJA1044V Block Diagram Block Diagram



View additional information for [VeLIO Certified, High-Speed CAN Transceivers with Standby Mode for Automotive Applications](#).

**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.