



# High-Speed CAN Transceiver

## TJA1050

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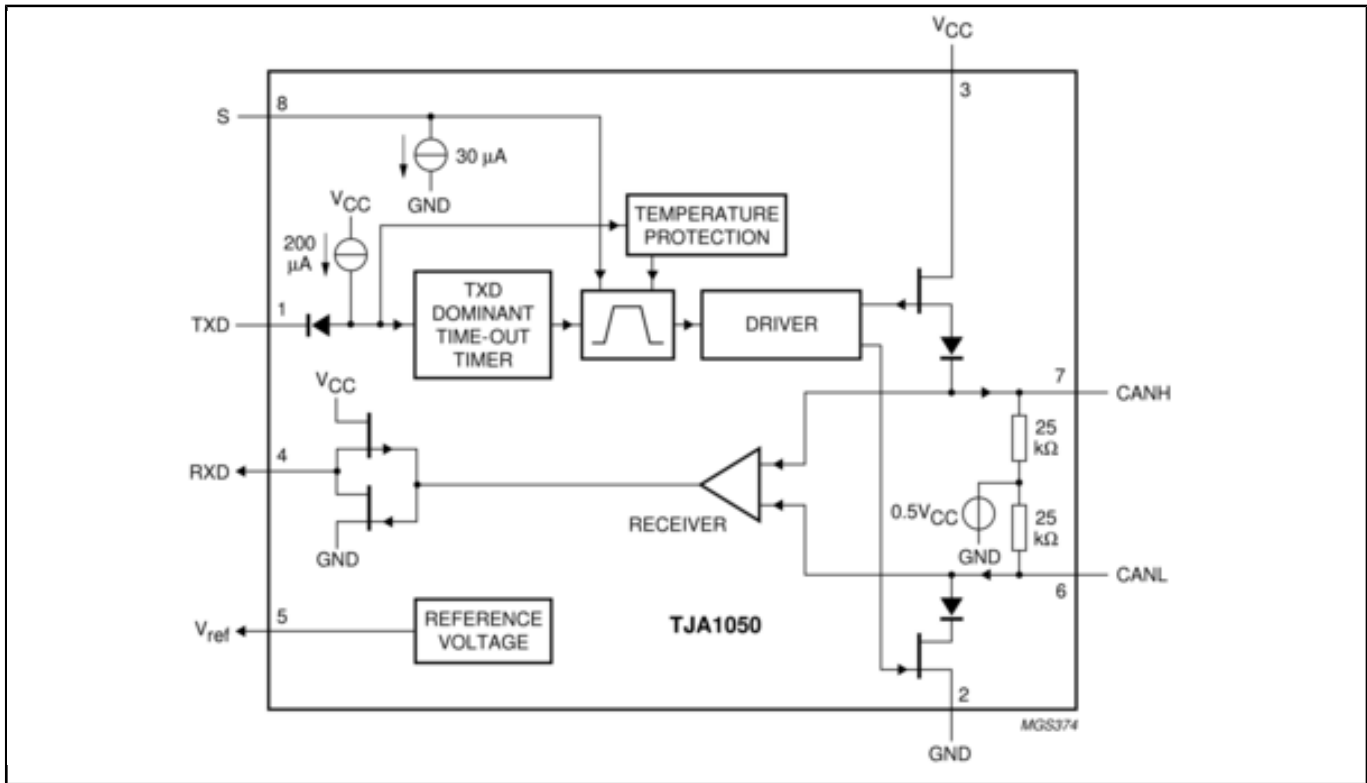
The TJA1050 is the interface between the Controller Area Network (CAN) protocol controller and the physical bus. The device provides differential transmit capability to the bus and differential receive capability to the CAN controller.

The TJA1050 is the third Philips high-speed CAN transceiver after the PCA82C250 and the PCA82C251. The most important differences are:

- Much lower electromagnetic emission due to optimal matching of the output signals CANH and CANL
- Improved behaviour in case of an unpowered node
- No standby mode.

This makes the TJA1050 eminently suitable for use in nodes that are in a power-down situation in partially powered networks.

## TJA1050T Block Diagram Block Diagram



View additional information for [High-Speed CAN Transceiver](#).

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

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