



High-Speed CAN Transceiver with Standby and Sleep Mode

TJA1041T

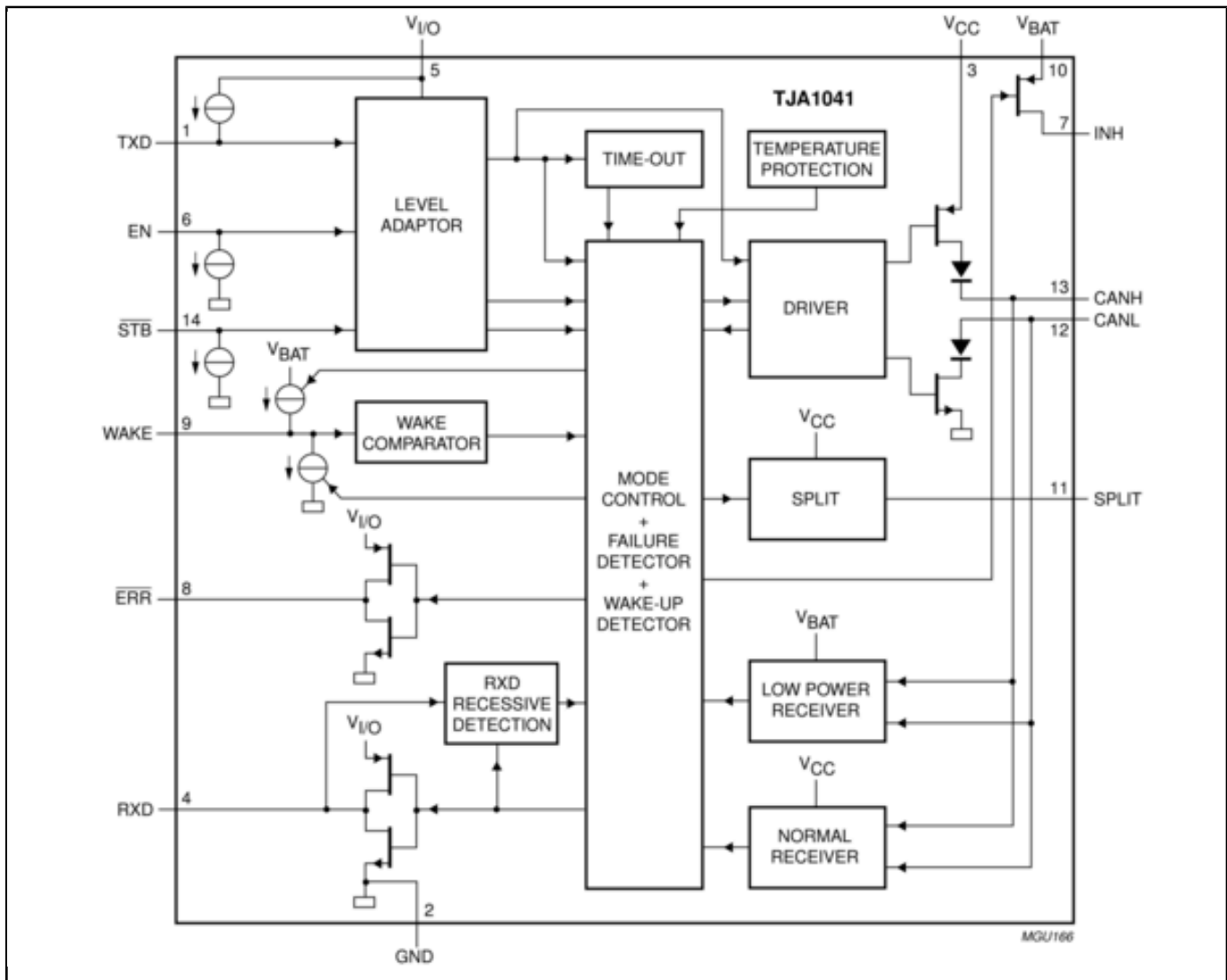
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The TJA1041 provides an advanced interface between the protocol controller and the physical bus in a Controller Area Network (CAN) node. The TJA1041 is primarily intended for automotive high-speed CAN applications (up to 1 Mbit/s). The transceiver provides differential transmit capability to the bus and differential receive capability to the CAN controller. The TJA1041 is fully compatible to the ISO 11898 standard and offers excellent ElectroMagnetic Compatibility (EMC) performance, very low power consumption and passive behavior when supply voltage is off.

The advanced features include:

- Low-power management, supporting local and remote wake-up with wake-up source recognition and the capability to control the power supply in the rest of the node
- Several protection and diagnosis functions including short circuits of the bus lines and first battery connection
- Automatic adaptation of the I/O-levels, in line with the supply voltage of the controller

TJA1041T Block Diagram



View additional information for [High-Speed CAN Transceiver with Standby and Sleep Mode](#).

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

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