



High-Speed CAN Transceiver - Mantis Family

TJA1057

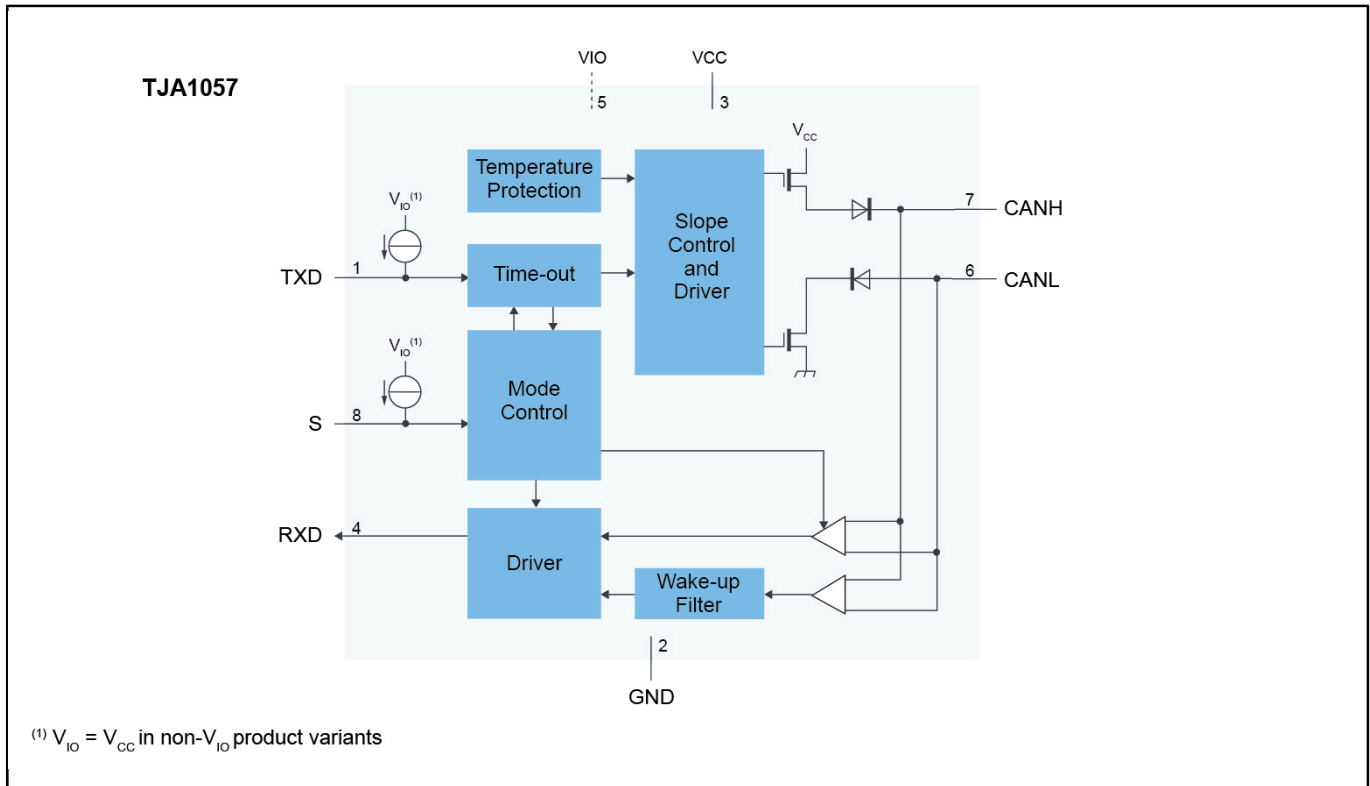
Last Updated: Mar 14, 2025

TJA1057是Mantis系列高速CAN收发器中的一员。它可在控制器局域网（CAN）协议控制器和物理双线式CAN总线之间提供接口。该收发器专用于汽车业的高速CAN应用，可以为（微控制器中的）CAN协议控制器提供发送和接收差分信号的功能。

TJA1057推出的功能集经过了优化，可用于12V汽车应用，相比恩智浦第一代和第二代CAN收发器（如TJA1050）有显著改进，而且电磁兼容（EMC）性能较好。

断开电源时，TJA1057还可以展现CAN总线理想的无源性能。

TJA1057 结构框图 Block Diagram



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

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.