

CAN 3.3V/5V 8Pin TDFN EP T/R

Manufacturers	Microchip Technology, Inc
Package/Case	TDFN-8
Product Type	Interface ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MCP2558FDT-H/MNY or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MCP2557/8FD is a Microchip Technology Inc. high-speed CAN transceiver/CAN Flexible Data Rate Transceiver with Silent Mode. The devices meet and exceed CAN FD specification requirements in addition to the latest Automotive OEM requirements. The device family members are MCP2557FD with No Connect pin 5 & MCP2558FD with VIO pin (internal level shifting)

For 12V applications please consider the ATA6564

Features

Supports both Classic CAN or CAN Flexible Data Rate applications

Optimized for CAN FD (Flexible Data rate) at 2, 5 and 8 Mbps Operation

Meets the latest ISO/DIS 11898-2:2015 specification

Supports Silent Mode

Prevent disruption on the network due to local fault

Increased system reliability through redundancy

Test connection of the network

AEC-Q100 Grade 0

VIO Supply Pin to Interface Directly to CAN Controllers and Microcontrollers with 1.7V to 5.5V I/O

CAN Bus Pins are Disconnected when Device is Unpowered

An Unpowered Node or Brown-Out Event will Not Load the CAN Bus

Detection of Ground Fault:

Permanent Dominant Detection on TXD

Permanent Dominant Detection on Bus

Power-on Reset and Voltage Brown-Out Protection on VDD Pin

Protection Against Damage Due to Short-Circuit Conditions (Positive or Negative Battery Voltage)

Protection Against High-Voltage Transients in Automotive Environments

Automatic Thermal Shutdown Protection

Suitable for 12V and 24V Systems

Extremely robust meeting automotive EMC hardware requirements

Smallest 8L CAN transceiver package available-2x3 TDFN-8L

Also available in SOIC-8L and 3x3 DFN-8L

Temperature ranges:

High (H): -40°C to +150°C

Related Products



[MCP23008T-E/SO](#)

Microchip Technology, Inc
SOIC-18



[MCP2551-I/P](#)

Microchip Technology, Inc
PDIP-8



[MCP25625T-E/ML](#)

Microchip Technology, Inc
QFN-28



[MCP2210-I/SO](#)

Microchip Technology, Inc
SOP-20



[MCP23008T-E/ML](#)

Microchip Technology, Inc
QFN-20



[MCP2515T-I/SO](#)

Microchip Technology, Inc
SOIC-18



[MCP2515T-I/ST](#)

Microchip Technology, Inc
TSSOP-20



[MCP2562FDT-H/SN](#)

Microchip Technology, Inc
SOIC-8