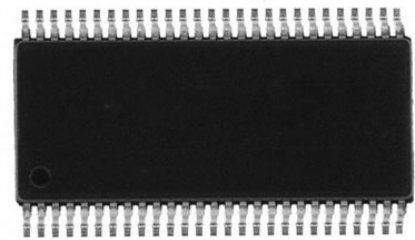


CAN Interface IC 4Mbps, 60V Fault Protected 3.3V/5V CAN Transceiver

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	8-SOIC (0.154, 3.90mm Width)
Product Type	Interface ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC2875IS8#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC2875 is a robust high speed, low power CAN transceiver operating on 3.3V or 5V supplies that features  $\pm 60V$  overvoltage fault protection on the data transmission lines during all modes of operation, including powerdown. The maximum data rate has been extended to 4Mbps to support high speed protocols based on the CAN physical layer. Supports up to 4Mbps CAN with Flexible Data Rate (CAN FD). Enhanced ESD protection allows these parts to withstand  $\pm 25kV$  HBM on the transceiver interface pins without latchup or damage.

Extended  $\pm 36V$  input common mode range and high common mode rejection on the CAN receiver provides tolerance of large ground loop voltages. A sophisticated CAN driver with active symmetry control maintains tight control of the common mode voltage for excellent electromagnetic emission, while the variable slew rate and split termination support allow additional EME reduction.

## Features

Protected from Overvoltage Line Faults to  $\pm 60V$

3.3V or 5V Supply Voltage

High Speed CAN FD Operation Up to 4Mbps

Variable Slew Rate Driver with Active Symmetry Control and SPLIT Pin for Low Electromagnetic Emission (EME)

Extended Common Mode Range ( $\pm 36V$ )

Ideal Passive Behavior to CAN Bus with Supply Off

Current Limited Drivers and Thermal Shutdown

Power-Up/Down Glitch-Free Driver Outputs

Micropower Shutdown Mode

Transmit Data (TXD) Dominant Timeout Function

ISO 11898-2 and CAN FD Compliant

DeviceNet Compatible

Up to MP-Grade Available ( $-55^{\circ}C$  to  $125^{\circ}C$ )

3mm  $\times$  3mm 8-Lead DFN and SO-8 Packages

## Application

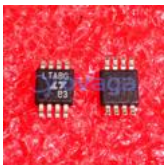
Industrial Control and Instrumentation Networks

Automotive and Transportation Electronics

Building Automation, Security Systems, HVAC

Medical Equipment

## Related Products



[LTC4300A-1IMS8#PBF](#)

Analog Devices, Inc  
MSOP8



[LTC2870IFE#PBF](#)

Analog Devices, Inc  
TSSOP28



[LTC6820HMS#PBF](#)

Analog Devices, Inc  
MSOP-16



[LTC2870IUFD#PBF](#)

Analog Devices, Inc  
28-QFN



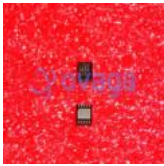
[LTC6820IMS#PBF](#)

Analog Devices, Inc  
MSOP16



[LTM2881IV-3#PBF](#)

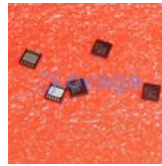
Analog Devices, Inc  
LGA32



[LTC2854HDD#PBF](#)

Analog Devices, Inc

QFN-10



[LTC2852IDD#PBF](#)

Analog Devices, Inc

DFN10