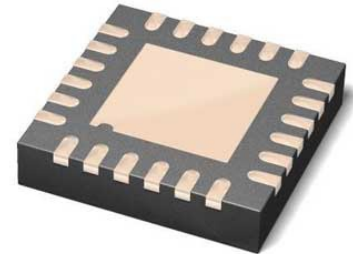


RS-232 Interface IC Single Bus RS232/RS485 Multiprotocol Transceiver with Integrated Termination (Shared I/O)

Manufacturers	Analog Devices, Inc
Package/Case	QFN-24
Product Type	Interface ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC2873IUFD#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC2873 is a robust pin-configurable multiprotocol transceiver that supports RS232, RS485, and RS422 protocols while operating on a single 3V to 5.5V supply. The LTC2873 can be configured as a half-duplex RS485 transceiver or as an RS232 transceiver using the same two bus pins.

A pin-controlled integrated termination resistor allows for easy interface reconfiguration, eliminating external resistors and control relays. Loopback mode steers the driver inputs to the receiver outputs for diagnostic self-test. The RS485 receiver supports up to 256 nodes per bus, and features full failsafe operation for floating, shorted or terminated inputs.

An integrated DC/DC boost converter uses a tiny 2mm × 1.6mm inductor and one capacitor, eliminating the need for multiple supplies when driving RS232 levels.

Features

One RS485 or One RS232 Transceiver

3V to 5.5V Supply Voltage

Up to 20Mbps RS485

Slew-Controlled RS232 Operation:

Selectable 1Mbps or 250kbps

Automatic Selection of Integrated RS485 (120Ω) and RS232 (5kΩ) Termination Resistors

High ESD: ±26kV HBM

Logic Loopback Mode

1.7V to 5.5V Logic Interface

Supports Up to 256 RS485 Nodes

RS485 Receiver Failsafe Eliminates UART Lockup

H-Grade Available (−40°C to 125°C)

Available in 24-Pin 4mm × 5mm QFN Package

Application

Software Selectable RS232/RS485/RS422 Interface

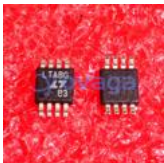
Industrial Sensors and Actuators

Alarm Systems

Traffic Control and Monitoring

Highway Signs and Jumbo Displays

Related Products



[LTC4300A-1IMS8#PBF](#)

Analog Devices, Inc
MSOP8



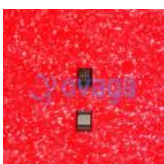
[LTC2870IFE#PBF](#)

Analog Devices, Inc
TSSOP28



[LTC6820HMS#PBF](#)

Analog Devices, Inc
MSOP-16



[LTC2854HDD#PBF](#)

Analog Devices, Inc
QFN-10



[LTC2870IUFD#PBF](#)

Analog Devices, Inc
28-QFN



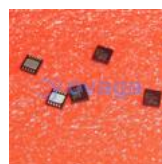
[LTC6820IMS#PBF](#)

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MSOP16



[LTM2881IV-3#PBF](#)

Analog Devices, Inc
LGA32



[LTC2852IDD#PBF](#)

Analog Devices, Inc
DFN10