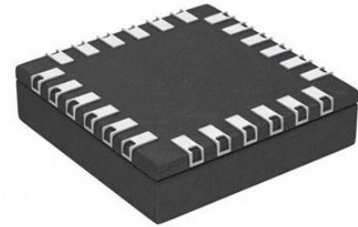


Dual Transmitter/Receiver RS-232/RS-485 38-Pin QFN EP Tube

Manufacturers	Analog Devices, Inc
Package/Case	38-WFQFN
Product Type	Interface ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC2872IUHF#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC2872 is a robust pin-configurable transceiver that supports RS232, RS485, and RS422 standards while operating on a single 3V to 5.5V supply. The LTC2872 can be configured as four RS232 single-ended transceivers or two RS485 differential transceivers, or combinations of both, on shared I/O lines.

Pin-controlled integrated termination resistors allow for easy interface reconfiguration, eliminating external resistors and control relays. Half-duplex switches allow four-wire and two-wire RS485 configurations. Loopback mode steers the driver inputs to the receiver outputs for diagnostic self-test. The RS485 receivers support up to 256 nodes per bus, and feature full failsafe operation for floating, shorted or terminated inputs.

An integrated DC/DC boost converter uses a small inductor and one capacitor, eliminating the need for multiple supplies for driving RS232 levels.

Features

Four RS232 and Two RS485 Transceivers

3V to 5.5V Supply Voltage

20Mbps RS485 and 500kbps RS232

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

Half/Full-Duplex RS485 Switching

Logic Loopback Mode

High ESD: ±16kV on Line I/O

1.7V to 5.5V Logic Interface

Supports Up to 256 RS485 Nodes

RS485 Receiver Full Failsafe Eliminates UART Lockup

Available in 38-Pin 5mm × 7mm QFN Package

Application

Flexible RS232/RS485/RS422 Interface

Software Selectable Multiprotocol Interface Ports

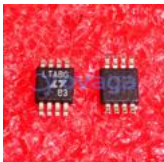
Point-of-Sale Terminals

Cable Repeaters

Protocol Translators

PROFIBUS-DP Networks

Related Products



[LTC4300A-1IMS8#PBF](#)

Analog Devices, Inc
MSOP8



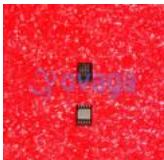
[LTC2870IFE#PBF](#)

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



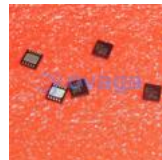
[LTC6820IMS#PBF](#)

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[LTM2881IV-3#PBF](#)

Analog Devices, Inc
LGA32



[LTC2852IDD#PBF](#)

Analog Devices, Inc
DFN10