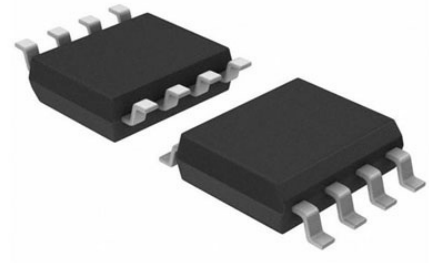


Transceiver RS232/RS485, 3 Drivers, 4.75V-5.25V supply, SOIC-28

Manufacturers	Analog Devices, Inc
Package/Case	28-SOI
Product Type	Interface ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC1334ISW#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC1334 is a low power CMOS bidirectional transceiver featuring two reconfigurable interface ports. It can be configured as two RS485 differential ports, as two dual RS232 single-ended ports or as one RS485 differential port and one dual RS232 single-ended port. An onboard charge pump requires four 0.1 μ F capacitors to generate boosted positive and negative supplies, allowing the RS232 drivers to meet the RS232 ± 5 V output swing requirement with only a single 5V supply. A shutdown mode reduces the ICC supply current to 10 μ A.

The RS232 transceivers are in full compliance with RS232 specifications. The RS485 transceivers are in full compliance with RS485 and RS422 specifications. All interface drivers feature short-circuit and thermal shutdown protection. An enable pin allows RS485 driver outputs to be forced into high impedance, which is maintained even when the outputs are forced beyond supply rails or power is off. Both driver outputs and receiver inputs feature ± 10 kV ESD protection. A loopback mode allows the driver outputs to be connected back to the receiver inputs for diagnostic self-test.

Features

Four RS232 Transceivers or Two RS485 Transceivers on One Chip

Operates from a Single 5V Supply

Withstands Repeated $\pm 10\text{kV}$ ESD Pulses

Uses Small Charge Pump Capacitors: $0.1\mu\text{F}$

Low Supply Current: 8mA Typical

$10\mu\text{A}$ Supply Current in Shutdown

Self-Testing Capability in Loopback Mode

Power-Up/Down Glitch-Free Outputs

Driver Maintains High Impedance in Three-State, Shutdown or with Power Off

Thermal Shutdown Protection

Receiver Inputs Can Withstand $\pm 25\text{V}$

Application

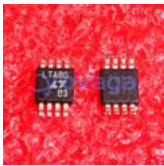
Low Power RS485/RS422/RS232/EIA562 Interface

Software-Selectable Multiprotocol Interface Port

Cable Repeaters

Level Translators

Related Products



[LTC4300A-1IMS8#PBF](#)

Analog Devices, Inc
MSOP8



[LTC2870IUFD#PBF](#)

Analog Devices, Inc
28-QFN



[LTC2870IFE#PBF](#)

Analog Devices, Inc
TSSOP28



[LTC6820IMS#PBF](#)

Analog Devices, Inc
MSOP16



[LTC6820HMS#PBF](#)

Analog Devices, Inc
MSOP-16



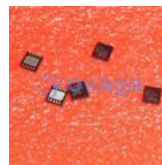
[LTM2881IV-3#PBF](#)

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LGA32



[LTC2854HDD#PBF](#)

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QFN-10



[LTC2852IDD#PBF](#)

Analog Devices, Inc
DFN10