

IC TXRX V.35 SINGL SUPPLY 28SOIC

Manufacturers	Analog Devices, Inc
Package/Case	28-SOIC (0.295, 7.50mm Width)
Product Type	Interface ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC1345CSW#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC1345 is a single chip transceiver that provides the differential clock and data signals for a V.35 interface from a single 5V supply. Combined with an external resistor termination network and an LT1134A RS232 transceiver for the control signals, the LTC1345 forms a complete low power DTE or DCE V.35 interface port operating from a single 5V supply.

The LTC1345 features three current output differential transmitters, three differential receivers, and a charge pump. The transceiver can be configured for DTE or DCE operation or shut down using two Select pins. In the Shutdown mode, the supply current is reduced to 1 μ A.

The transceiver operates up to 10Mbaud. All transmitters feature short-circuit protection and a Receiver Output Enable pin allows the receiver outputs to be forced into a high impedance state. Both transmitter outputs and receiver inputs feature ± 10 kV ESD protection. The charge pump features a regulated VEE output using three external 1 μ F capacitors.

Features

Single Chip Provides All V.35 Differential Clock and Data Signals

Operates From Single 5V Supply

Software Selectable DTE or DCE Configuration

Transmitters and Receivers Will Withstand Repeated $\pm 10\text{kV}$ ESD Pulses

Shutdown Mode Reduces I_{cc} to $1\mu\text{A}$ Typ

10MBaud Transmission Rate

Transmitter Maintains High Impedance When Disabled, Shut Down, or with Power Off

Meets CCITT V.35 Specification

Transmitters are Short-Circuit Protected

Application

Modems

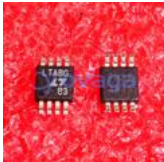
Telecommunications

Data Routers





Related Products



[LTC4300A-1IMS8#PBF](#)

Analog Devices, Inc
MSOP8



[LTC2870IUFD#PBF](#)

Analog Devices, Inc
28-QFN



[LTC2870IFE#PBF](#)

Analog Devices, Inc
TSSOP28



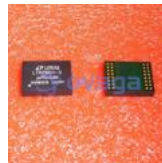
[LTC6820IMS#PBF](#)

Analog Devices, Inc
MSOP16



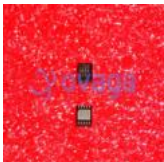
[LTC6820HMS#PBF](#)

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MSOP-16



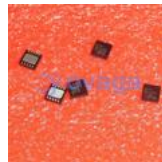
[LTM2881IV-3#PBF](#)

Analog Devices, Inc
LGA32



[LTC2854HDD#PBF](#)

Analog Devices, Inc
QFN-10



[LTC2852IDD#PBF](#)

Analog Devices, Inc
DFN10