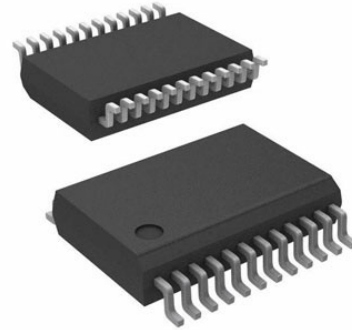


Transceiver RS232, 3 Drivers, 4.5V-5.5V supply, SOIC-24

Manufacturers	Analog Devices, Inc
Package/Case	SOP-24
Product Type	Interface ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1134ACSW#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT1130A/LT1140A series of RS232 drivers/receivers features special bipolar construction techniques which protect the drivers and receivers beyond the fault conditions stipulated for RS232. Driver outputs and receiver inputs can be shorted to $\pm 30V$ without damaging the device or the power supply generator. In addition, the RS232 I/O pins are resilient to multiple $\pm 10kV$ ESD strikes. An advanced driver output stage operates up to 250kbaud while driving heavy capacitive loads. Supply current is typically 12mA, competitive with CMOS devices.

Several members of the series include flexible operating mode controls. The DRIVER DISABLE pin disables the drivers and the charge pump, the ON/OFF pin shuts down all circuitry. While shut down, the drivers and receivers assume high impedance output states.

Features

ESD Protection over $\pm 10\text{kV}$ ($\pm 15\text{kV}$ IEC-1000-4-2 for LT1133A, LT1137A and LT1141A)

Uses Small Capacitors: $0.1\mu\text{F}$, $0.2\mu\text{F}$

$1\mu\text{A}$ Supply Current in SHUTDOWN

120kbaud Operation for = 2500pF

250kbaud Operation for = 1000pF

CMOS Comparable Low Power

Easy PC Layout: Flowthrough Architecture

Rugged Bipolar Design: Absolutely No Latchup

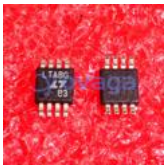
Outputs Assume a High Impedance State When Off or Powered Down

Improved Protection: RS232 I/O Lines Can Be Forced to $\pm 30\text{V}$ Without Damage

Output Overvoltage Does Not Force Current Back into Supplies

Available in SO and SSOP Packages

Related Products



[LTC4300A-1IMS8#PBF](#)

Analog Devices, Inc
MSOP8



[LTC2870IUFD#PBF](#)

Analog Devices, Inc
28-QFN



[LTC2870IFE#PBF](#)

Analog Devices, Inc
TSSOP28



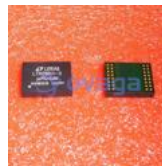
[LTC6820IMS#PBF](#)

Analog Devices, Inc
MSOP16



[LTC6820HMS#PBF](#)

Analog Devices, Inc
MSOP-16



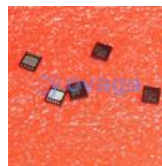
[LTM2881IV-3#PBF](#)

Analog Devices, Inc
LGA32



[LTC2854HDD#PBF](#)

Analog Devices, Inc
QFN-10



[LTC2852IDD#PBF](#)

Analog Devices, Inc
DFN10