

IC RCVR/DVR PAIR LOW PWR 8-MSOP

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Interface ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC1690CMS8#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC1690 is a low power receiver/driver pair that is compatible with the requirements of RS485 and RS422. The receiver offers a fail-safe feature that guarantees a high receiver output state when the inputs are left open, shorted together or terminated with no signal present. No external components are required to ensure the high receiver output state.

Separate driver output and receiver input pins allow full duplex operation. Excessive power dissipation caused by bus contention or faults is prevented by a thermal shutdown circuit which forces the driver outputs into a high impedance state.

The LTC1690 is fully specified over the commercial and industrial temperature ranges. The LTC1690 is available in 8-Pin SO, MSOP and PDIP packages.

Features

No Damage or Latchup to $\pm 15\text{kV}$ ESD (Human Body Model), IEC1000-4-2 Level 4 ($\pm 8\text{kV}$) Contact and Level 3 ($\pm 8\text{kV}$) Air Discharge

Guaranteed High Receiver Output State for Floating, Shorted or Terminated Inputs with No Signal Present

Drives Low Cost Residential Telephone

Single 5V Supply

Power-Up/Down Glitch-Free Driver Outputs Permit Live Insertion or Removal of Transceiver

Driver Maintains High Impedance with the Power Off

Up to 32 Transceivers on the Bus

Pin Compatible with the SN75179 and LTC490

Available in SO, MSOP and PDIP Packages

Application

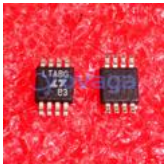
Battery-Powered RS485/RS422 Applications

Low Power RS485/RS422 Transceiver

Level Translator

Line Repeater

Related Products



[LTC4300A-1IMS8#PBF](#)

Analog Devices, Inc
MSOP8



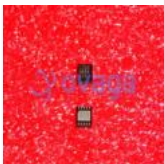
[LTC2870IFE#PBF](#)

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



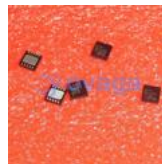
[LTC6820IMS#PBF](#)

Analog Devices, Inc
MSOP16



[LTM2881IV-3#PBF](#)

Analog Devices, Inc
LGA32



[LTC2852IDD#PBF](#)

Analog Devices, Inc
DFN10