Quad Low Power RS485 Driver; Package: SO; No of Pins: 16; Temperature Range: 0°C to +70°C

Manufacturers	Analog Devices, Inc
Package/Case	16-SOIC (0.295, 7.50mm Width)
Product Type	Interface ICs
RoHS	Pb-free Halide free
Lifecycle	
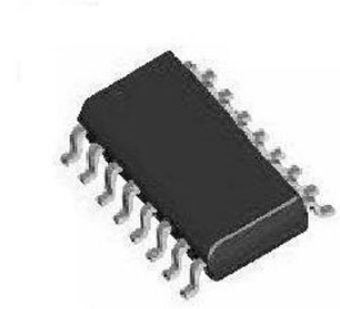
Images are for reference only

Please submit RFQ for LTC486CSW#PBF or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

The LTC486 is a low power differential bus/line driver designed for multipoint data transmission standard RS485 applications with extended common-mode range (12V to –7V). It also meets RS422 requirements.

The CMOS design offers significant power savings over its bipolar counterpart with out sacrificing ruggedness against overload or ESD damage.

The driver features three-state outputs, with the driver outputs maintaining high impedance over the entire common-mode range. 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.

Both AC and DC specifications are guaranteed from 0°C to 70°C (Commercial), –40°C to 85°C (Industrial), over the 4.75V to 5.25V supply voltage range.

Features

Very Low Power:>

Designed for RS485 or RS422 Applications

Single 5V Supply

Thermal Shutdown Protection

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

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

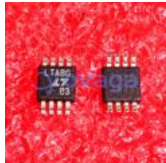28ns Typical Driver Propagation Delays with 5ns Skew

Pin Compatible with the SN75172, DS96172, µA96172, and DS96F172

Application

Low Power RS485/RS422 Drivers

Level Translator

Related Products
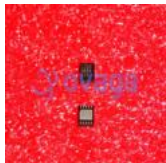
LTC4300A-1IMS8#PBF

Analog Devices, Inc

MSOP8

LTC2870IUFD#PBF

Analog Devices, Inc

28-QFN

LTC2870IFE#PBF

Analog Devices, Inc

TSSOP28

LTC6820IMS#PBF

Analog Devices, Inc

MSOP16

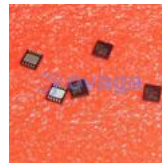**LTC6820HMS#PBF**

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