
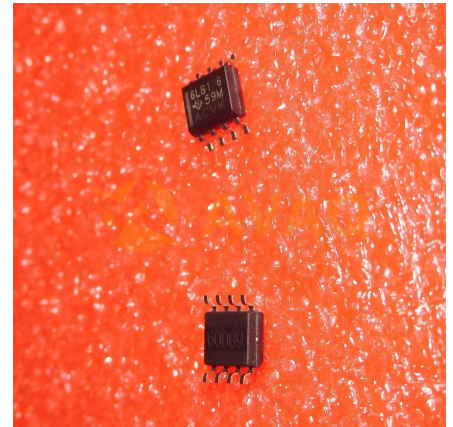


Single Transmitter/Receiver RS-485 8-Pin SOIC Tube

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP8
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

These transceivers are suitable for ANSI Standard TIA/EIA 485 (RS-485) and ISO 8482 applications to the extent that they are specified in the operating conditions and characteristics section of this data sheet. Certain limits contained in TIA/EIA 485 A and ISO 8482:1987 (E) are not met or cannot be tested over the entire military temperature range.

The SN55LBC176 is characterized for operation from -55°C to 125°C . The SN65LBC176 is characterized for operation from -40°C to 85°C , and the SN65LBC176Q is characterized for operation from -40°C to 125°C . The SN75LBC176 is characterized for operation from 0°C to 70°C .

Key Features

Bidirectional Transceiver

Meets or Exceeds the Requirements of ANSI Standard TIA/EIA 485 A and ISO 8482:1987(E)

High-Speed Low-Power LinBiCMOS Circuitry

Designed for High-Speed Operation in Both Serial and Parallel Applications

Low Skew

Designed for Multipoint Transmission on Long Bus Lines in Noisy Environments

Very Low Disabled Supply Current . . . 200 μ A Maximum

Wide Positive and Negative Input/Output Bus Voltage Ranges

Thermal-Shutdown Protection

Driver Positive-and Negative-Current Limiting

Open-Circuit Failsafe Receiver Design

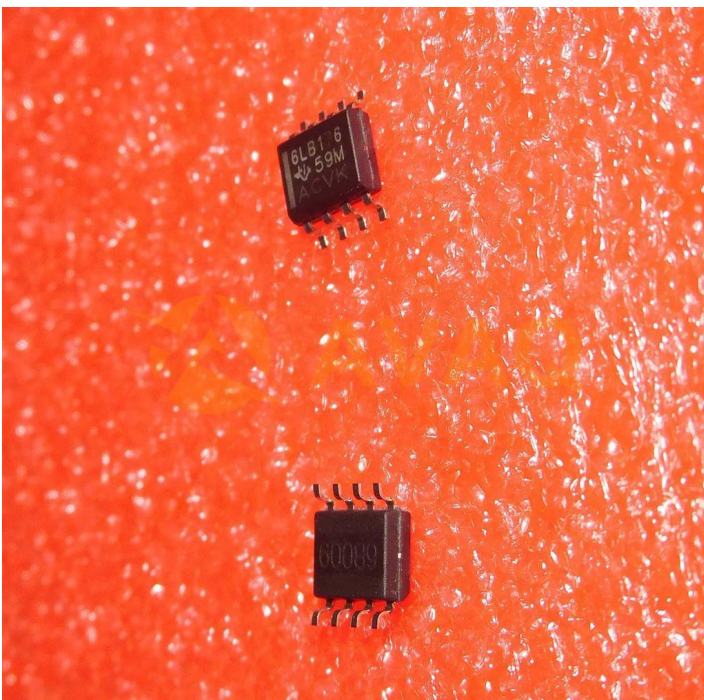
Receiver Input Sensitivity . . . \pm 200 mV Max

Receiver Input Hysteresis . . . 50 mV Typ

Operates From a Single 5-V Supply

Glitch-Free Power-Up and Power-Down Protection

Available in Q-Temp Automotive HighRel Automotive Applications Configuration Control / Print Support Qualification to Automotive Standards



Recommended For You

SN65LV1224BDBR

Texas Instruments, Inc
SSOP28

SN75173N

Texas Instruments, Inc
DIP

SN65LBC179D

Texas Instruments, Inc
SOP8

SN75176AD

Texas Instruments, Inc
SOP-8

SN65LVDS3486D

Texas Instruments, Inc
SOP-16

SN65HVD33MDREP

Texas Instruments, Inc
SOP-14

SN65LVDS3487D

Texas Instruments, Inc
SOP16

SN65LBC175AD

Texas Instruments, Inc
SOP-16

SN65LVDS31PW

Texas Instruments, Inc
TSSOP-16

SN75176AP

Texas Instruments, Inc
DIP8

SN65LVDS33D

Texas Instruments, Inc
SOP-16

SN65LVDS32D

Texas Instruments, Inc
SOP-16

SN65LVDS31D

Texas Instruments, Inc
SOP

SN75175D

Texas Instruments, Inc
SOP

SN75175N

Texas Instruments, Inc
DIP