


Single Transmitter/Receiver RS-422/RS-485 8-Pin SO N T/R

Manufacturer:	STMicroelectronics, Inc
Package/Case:	SOP-8
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The ST485 is a low power transceiver for RS-485 and RS-422 communication. Each part contains one driver and one receiver.

This transceiver draws 300 μ A (typ.) of supply current when unloaded or fully loaded with disabled drivers.

It operates from a single 5 V supply.

Driver is short-circuit current limited and is protected against excessive power dissipation by thermal shutdown circuitry that places the driver outputs into a high-impedance state.

The ST485 is designed for bi-directional data communications on multipoint bus transmission line (half-duplex applications).

The ST485 is available in three temperature ranges: commercial (0 °C to 70 °C), industrial (- 40 °C to 85 °C) and automotive (- 55 °C to 125 °C).

Key Features

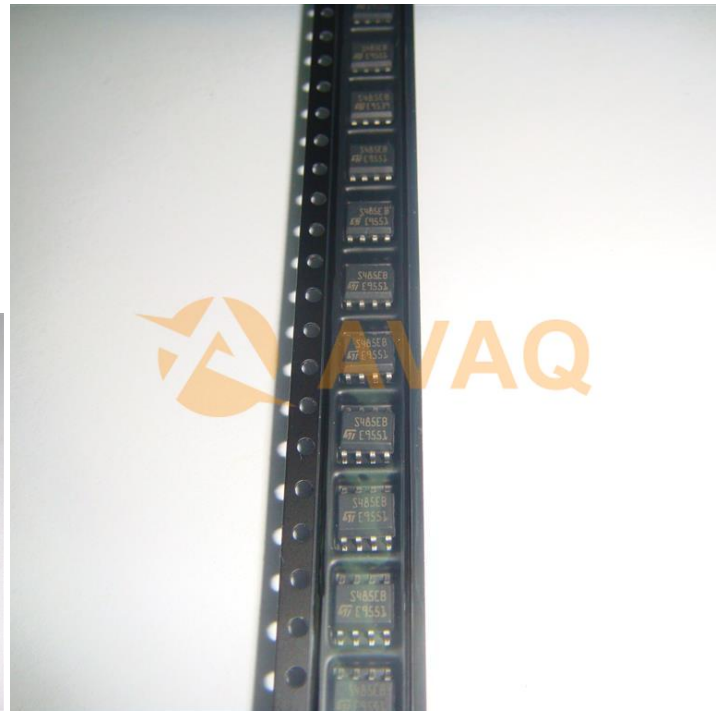
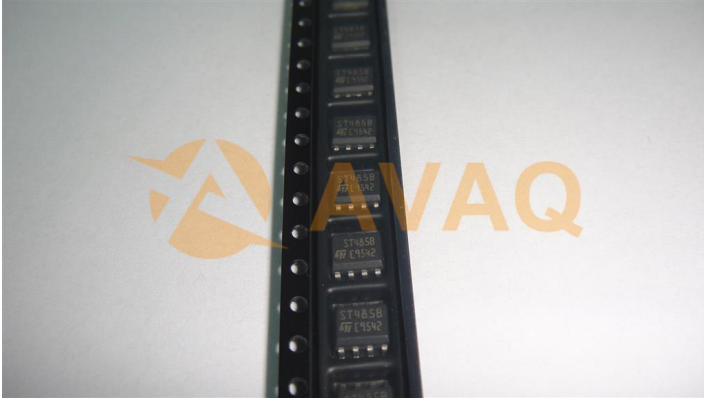
Current limiting and thermal shutdown for driver overload protection

Allows up to 64 transceivers on the bus

Driver maintains high impedance in 3-state or with the power OFF

70mV Typical input hysteresis

30ns Propagation delay and 5ns skew



Recommended For You

ST3485EBDR

STMicroelectronics, Inc

SOP8

ST8024CDR

STMicroelectronics, Inc

SOP28

ST3485ECDR

STMicroelectronics, Inc

SOP8

STLC3055Q

STMicroelectronics, Inc

QFP44

ST8024LCDR

STMicroelectronics, Inc

SOP28

STLC3055QTR

STMicroelectronics, Inc

QFP44

STUSB4761QTR

STMicroelectronics, Inc

QFN

STLC5046

STMicroelectronics, Inc

QFP

E-STLC3055N

STMicroelectronics, Inc

QFP

STUSB1600AQTR

STMicroelectronics, Inc

QFN-24

STUSB03EQR

STMicroelectronics, Inc

QFN-16

STISO621TR

STMicroelectronics, Inc

SOP8

STOTG04ESQTR

STMicroelectronics, Inc

QFN

ST485ABDR

STMicroelectronics, Inc

SOP8

STR485LVQT

STMicroelectronics, Inc

DFN10