


Single Transmitter/Receiver RS-485 10-Pin DFN EP T/R

Manufacturer:	STMicroelectronics, Inc
Package/Case:	DFN10
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The STR485 is a low power differential line transceiver for data transmission standard RS485 applications in half-duplex mode. Data and enable signals are compatible with 1.8 V or 3.3 V supplies.

Two speeds are selectable through SLR pin: fast data rate up to 20 Mbps or slow data rate for extended cable running to 250 kbps.

Excessive power dissipation caused by bus contention or faults is prevented by thermal shutdown circuit that forces the driver outputs into a high impedance state. The receiver has a fail-safe feature, which guarantees a high output state when the inputs are left open, shorted or idle.

Key Features

Half-duplex RS485 transceiver

1.65 V to 3.6 V supply for data and enable signals

3 V to 3.6 V supply for bus supply

High speed: up to 20 Mbps data rate

Low speed selected by SLR pin : 250 kbps

Up to 256 transceivers on the bus

Recommended For You

ST3485EBDR

STMicroelectronics, Inc

SOP8

ST8024CDR

STMicroelectronics, Inc

SOP28

ST3485ECDR

STMicroelectronics, Inc

SOP8

STLC3055Q

STMicroelectronics, Inc
QFP44

ST485BDR

STMicroelectronics, Inc
SOP-8

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