



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

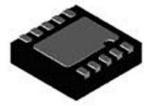
Manufacturer: STMicroelectronics, Inc

Package/Case: DFN10

Product Type: Drivers

RoHS: RoHS Compliant/Lead free

Lifecycle: Active



Images are for reference only

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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 ST8024CDR ST3485ECDR

STMicroelectronics, Inc STMicroelectronics, Inc STMicroelectronics, Inc

SOP8 SOP28 SOP28

STLC3055Q ST485BDR

STMicroelectronics, Inc STMicroelectronics, Inc STMicroelectronics, Inc

ST8024LCDR

Email: sales@avaq.com

QFP44 SOP-8 SOP28

STLC3055QTR STUSB4761QTR STLC5046

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QFP QFP QFN

E-STLC3055N STUSB1600AQTR STUSB03EQR

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QFP QFN-24 QFN-16

STISO621TR STOTG04ESQTR ST485ABDR

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SOP8 QFN SOP8