


Triple Transmitter Quint Receiver RS-232 20-Pin TSSOP T/R

Manufacturer:	STMicroelectronics, Inc
Package/Case:	TSSOP20
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The ST75185C contains three drivers and five receivers. The pinout matches the DB9S connector design in order to decrease the part count, reduce the board space required and allow easy interconnection of the UART and serial port connector of IBM PC/ATM and compatibles. The bipolar circuits and processing of the ST75185C provides a rugged low-cost solution for this function at the expense of quiescent power and external passive components relative to the ST75C185.

The ST75185C complies with the requirements of the EIA/TIA 232-E and ITU (formerly CCITT) v.28 standards. These standards are for data interchange between a host computer and peripheral at signalling rates up to 20k-bits/s. The switching speeds of the ST75185C are fast enough to support rates up to 120K-bits/s with lower capacitive loads (shorter cables). Inter-operability at the higher signalling rates cannot be assured unless the designer has design control of the cable and the interface circuits at the both ends. For inter-operability at signalling rates to 120 k-bits/s, use of EIA/ITA-423-B (ITU v.10) and EIA/ITA-422-B (ITU v.11) standards are recommended.

The ST75185C is characterized for operation over the range of 0°C to 70°C.

Key Features

Meets and exceeds the requirements of EIA/TIA-232-E and ITUV.28 standard

Designed to support data rates up to 120kbps

Single chip with easy interface between UART and serial port connector of IBM PC/ATM and compatibles

Pinout compatible with ST75C185

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

STLC3055QIR

STMicroelectronics, Inc

QFP44

STUSB4761QIR

STMicroelectronics, Inc

QFN

STLC5046

STMicroelectronics, Inc

QFP

E-STLC3055N

STMicroelectronics, Inc

QFP

STUSB1600AQIR

STMicroelectronics, Inc

QFN-24

STUSB03EQR

STMicroelectronics, Inc

QFN-16

STISO621TR

STMicroelectronics, Inc

SOP8

STOTG04ESQIR

STMicroelectronics, Inc

QFN

ST485ABDR

STMicroelectronics, Inc

SOP8