

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



Images are for reference only

[Inquiry](#)

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: TSSOP20

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The TRS3386E is a three-driver and two-receiver RS-232 interface device, with split supply pins for mixed-signal operations. All RS-232 inputs and outputs are protected to ± 15 kV using the IEC 61000-4-2 Air-Gap Discharge method, ± 8 kV using the IEC 61000-4-2 Contact Discharge method, and ± 15 kV using the Human-Body Model.

The charge pump requires only four small 0.1- μ F capacitors for operation from a 3.3-V supply. The TRS3386E is capable of running at data rates up to 250 kbps, while maintaining RS-232-compliant output levels.

The TRS3386E has a unique VL pin that allows operation in mixed-logic voltage systems. Both driver in (DIN) and receiver out (ROUT) logic levels are pin programmable through the VL pin. The TRS3386E is available in a space-saving thin shrink small-outline package (TSSOP).

Key Features

VL Pin for Compatibility With Mixed-Voltage Systems Down to 2.5 V on Logic Side

Enhanced ESD Protection on RIN Inputs and DOUT Outputs
±15-kV Human-Body Model

±15-kV IEC 61000-4-2, Air-Gap Discharge

±8-kV IEC 61000-4-2, Contact Discharge

Low 300-µA Supply Current

Specified 250-kbps Data Rate

1-µA Low-Power Shutdown

Meets EIA/TIA-232 Specifications Down to 3 V

Designed to be Interchangeable With Industry Standard '3386 Devices

APPLICATIONS

Hand-Held Equipment

PDA's

Cell Phones

Battery-Powered Equipment

Data Cables

Recommended For You

PCF8574RGTR

Texas Instruments, Inc

QFN16

DS90UB954TRGZTQ1

Texas Instruments, Inc

QFN48

DS90UB954TRGZRQ1

Texas Instruments, Inc

VQFN48

DS90UB947TRGCTQ1

Texas Instruments, Inc

VQFN-64

DS90UB924TRHSTQ1

Texas Instruments, Inc

WQFN-48

TL16C752BLPTREP

Texas Instruments, Inc

LQFP-48

TUSB2077APTIR

Texas Instruments, Inc

LQFP48

XTR305IRGWR

Texas Instruments, Inc

QFN20

TL16C752BIPTRREP

Texas Instruments, Inc

LQFP

DS90UB936TRGZTQ1

Texas Instruments, Inc

VQFN48

DS90UB935TRHBRQ1

Texas Instruments, Inc

VQFN-32

DS90UB914ATRHSRQ1

Texas Instruments, Inc

WQFN48

DS90UH947TRGCTQ1

Texas Instruments, Inc

VQFN-64

XTR101AP

Texas Instruments, Inc

DIP

XTR110AG

Texas Instruments, Inc

DIP