

Single Transmitter/Receiver RS-232 16-Pin TSSOP T/R

Manufacturer:	Texas Instruments, Inc.
Package/Case:	TSSOP16
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free W
Lifecycle:	Active



General Description

The MAX3221E is a single driver, single receiver RS-232 solution operating from a single VCC supply. The RS-232 pins provide IEC 61000-4-2 ESD protection. The device meets the requirements of TIA/EIA-232-F and provides the electrical interface between an asynchronous communication controller and the serial-port connector. The charge pump and four small external capacitors allow operation from a single 3-V to 5.5-V supply. These devices operate at data signaling rates up to 250 kbit/s and a maximum of 30-V/µs driver output slew rate.

Flexible control options for power management are available. Auto-power down disables driver and charge pump when the receiver is disconnected or the remote driver is power down. The drivers can be manually enabled or disabled. INVALID output goes low when receiver input is unconnected or power off.

Key Features

ESD Protection for RS-232 Pins ±15-kV Human-Body Model (HBM) ±8 kV (IEC 61000-4-2, Contact Discharge) ±15 kV (IEC 61000-4-2, Air-Gap Discharge) Meets or Exceeds the Requirements of TIA/EIA-232-F and ITU v.28 Standards Operates with 3-V to 5.5-V VCC Supply Operates up to 250 kbit/s One Driver and One Receiver Low Standby Current: 1 μA Typical Accepts 5-V Logic Input With 3.3-V Supply Auto-Power-Down Feature Automatically Disables Drivers for Power Savings Alternative High-Speed Device (1 Mbit/s) SN75C3221E and SN65C3221E

Recommended For You

MAX3223MDBREP

Texas Instruments, Inc SSOP20

MAX3221ECDBR Texas Instruments, Inc SSOP16

MAX3222ECDW

Texas Instruments, Inc SOP20

MAX3221MDBREP

Texas Instruments, Inc

SSOP-16

MAX232IDW

Texas Instruments, Inc SOP16 MAX3232EIPWRQ1 Texas Instruments, Inc

TSSOP16

MAX3222ECPWR Texas Instruments, Inc TSSOP20

MAX3223IDW Texas Instruments, Inc SOP20

MAX208CDB Texas Instruments, Inc SSOP

MAX3232MDBREP Texas Instruments, Inc SSOP16 MAX232N

Texas Instruments, Inc DIP-16

MAX3222IPWR Texas Instruments, Inc TSSOP20

Texas Instruments, Inc TSSOP

MAX3243IPW

MAX232ECN Texas Instruments, Inc

DIP-16

Texas Instruments, Inc SOP-8

DS90LV028AQMA/NOPB

AVAQ SEMICONDUCTOR CO., LIMITED