

RS-232 Interface IC IC 15kV ESD 2.7V TO 3.6V SPT Transceiver

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TSSOP-24
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADM3315EARUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADM3307E/ADM3310E/ADM3311E/ADM3312E/ADM3315E line of driver/receiver products is designed to fully meet the EIA-232 standard while operating with a single 2.7 V to 3.6 V power supply. The devices feature an on-board charge pump dc-to-dc converter, eliminating the need for dual power supplies. This dc-to-dc converter contains a voltage tripler and a voltage inverter that internally generates positive and negative supplies from the input 3 V power supply. The dc-to-dc converter operates in Green Idle mode, whereby the charge pump oscillator is gated on and off to maintain the output voltage at  $\pm 7.25$  V under varying load conditions. This minimizes the power consumption and makes these products ideal for battery-powered portable devices.

APPLICATIONS Mobile phone handsets/data cables Laptop and notebook computers Printers Peripherals Modems PDAs/Hand-Held Devices/Palmtop Computers

## Features

Green Idle power-saving mode

Single 2.7 V to 3.6 V power supply

Operates with 3 V logic

0.1  $\mu$ F to 1  $\mu$ F charge pump capacitors

Low EMI

Low power shutdown: 20 nA

Full RS-232 compliance

460 kb/s data rate

One receiver active in shutdown (ADM3307E/ADM3311E/ADM3312E/ADM3315E)

Two receivers active in shutdown (ADM3310E)

ESD >15 kV IEC 1000-4-2 on RS-232 I/Os

ESD >15 kV IEC 1000-4-2 on CMOS and RS-232 I/Os (ADM3307E)

Qualified for automotive applications

## Application

Mobile phone handsets/data cables

Laptop and notebook computers

Printers

Peripherals

Modems

PDA/Hand-Held Devices/Palmtop Computers

## Related Products



### [ADV7181CBSTZ](#)

Analog Devices, Inc  
LQFP-64



### [AD724JR](#)

Analog Devices, Inc  
SOIC-16



### [ADV7391WBCPZ](#)

Analog Devices, Inc  
LFSCP-3



### [ADV7341BSTZ](#)

Analog Devices, Inc  
LQFP-64



### [AD8170AR](#)

Analog Devices, Inc  
SOP8



### [ADV7393BCPZ](#)

Analog Devices, Inc  
LFCSP-VQ-40



### [ADV7390BCPZ](#)

Analog Devices, Inc  
QFN32



### [ADUM4160BRIZ](#)

Analog Devices, Inc  
SOIC-16