ADM3311EARSZ

Data Sheet

Transceiver RS232, 3 Drivers, CMOS, ± 15kV ESD Protected, 2.7V-3.6V supply, SOIC-28

Images are for reference only

Manufacturers	Analog Devices, Inc
Package/Case	SSOP-28
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	

Please submit RFQ for ADM3311EARSZ or Email to us: 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 ±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 µF to 1 µF 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

PDAs/Hand-Held Devices/Palmtop Computers


ADM3311
EA #006
1794482.1
ADM3311
EA #006
1794482.1

Related Products

[ADV7181CBSTZ](#)

Analog Devices, Inc

LQFP-64

[AD8170AR](#)

Analog Devices, Inc

SOP8

[AD724JR](#)

Analog Devices, Inc

SOIC-16

[ADV7393BCPZ](#)

Analog Devices, Inc

LFCSP-VQ-40

[ADV7391WBCPZ](#)

Analog Devices, Inc

LFSCP-3

[ADV7390BCPZ](#)

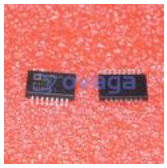
Analog Devices, Inc

QFN32

[ADV7341BSTZ](#)

Analog Devices, Inc

LQFP-64



[ADUM4160BRIZ](#)

Analog Devices, Inc

SOIC-16