

RS-232 Interface IC 15kV ESD +2.7V TO 3.6V SERIAL PORT I.C.

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-28
Product Type	Interface ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADM3307EARUZ 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 ± 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 μ F to 1 μ 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

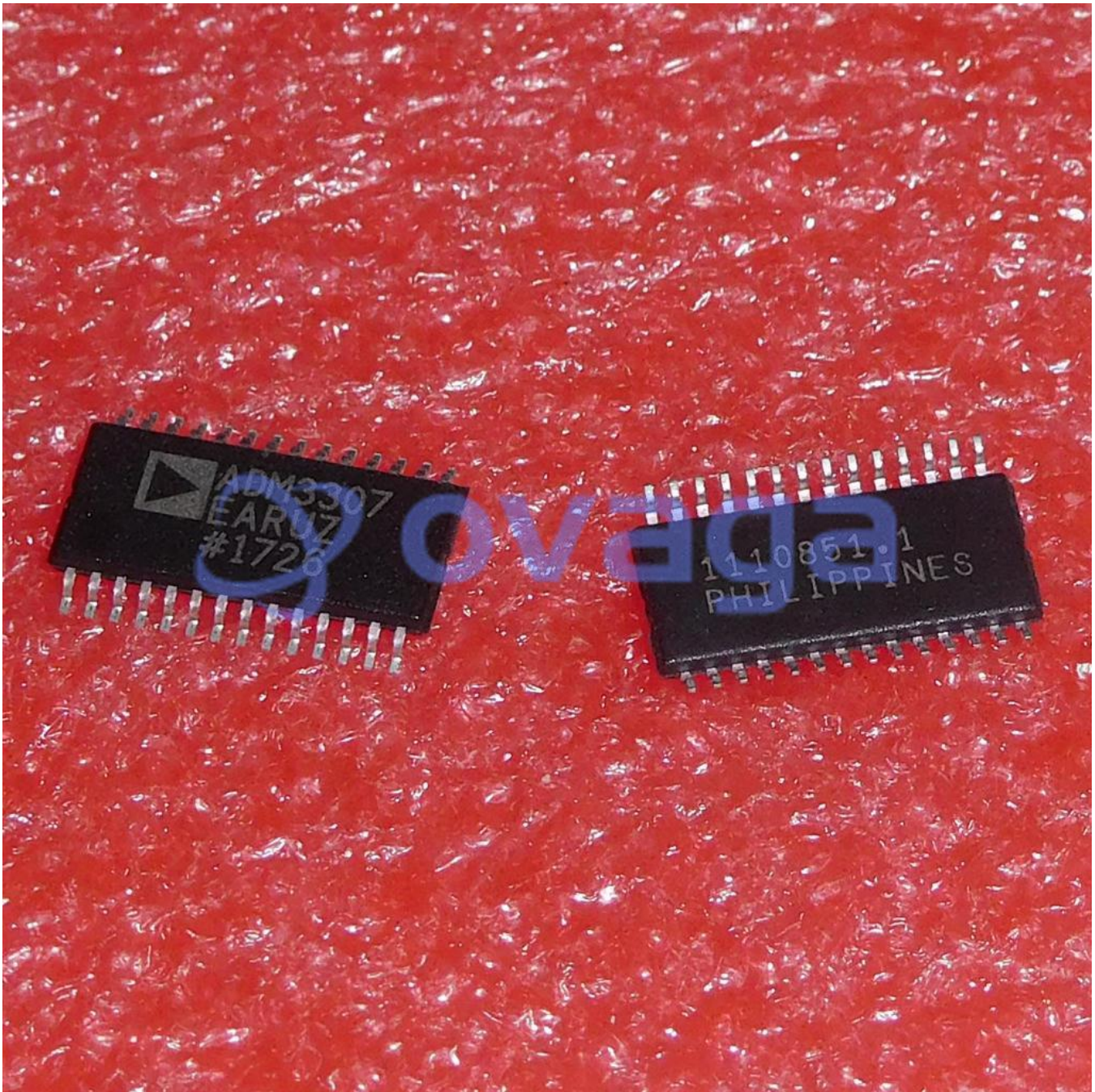
Printers

Peripherals

Modems

PDAs/Hand-Held Devices/Palmtop Computers





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



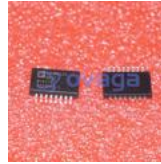
[ADV7390BCPZ](#)

Analog Devices, Inc
QFN32



[ADV7341BSTZ](#)

Analog Devices, Inc
LQFP-64



[ADUM4160BRIZ](#)

Analog Devices, Inc
SOIC-16