

Transceiver RS422/RS485, 250 Kbps,  $\pm 15$  kV ESD-Protected, 3V-3.6V supply, SOIC-8

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOP-8
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADM3488EARZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The devices have a 12 k $\Omega$  receiver input impedance, which allows up to 32 transceivers on a bus. Because only one driver should be enabled at any time, the output of a disabled or powered-down driver is tristated to avoid overloading the bus.

The driver outputs of the ADM3483E/ADM3486E/ADM3488E are slew rate limited, in order to reduce EMI and data errors caused by reflections from improperly terminated buses. The receiver has a fail-safe feature that ensures a logic high output when the inputs are floating. Excessive power dissipation caused by bus contention or by output shorting is prevented with a thermal shutdown circuit. The parts are fully specified over the industrial temperature range and are available in 8-lead and 14-lead narrow SOIC packages.

## Features

TIA/EIA RS-485/RS-422 compliant

Data rates: ADM3483E/ADM3488E: 250 kbps

Half duplex

Up to 32 nodes on the bus

Receiver open-circuit, fail-safe design

Outputs high-Z when disabled or powered off

Common-mode input range: -7 V to +12 V

Thermal shutdown and short-circuit protection

Industry-standard 75176 pinout

8-lead SOIC package

## Application

Power/energy metering

Telecommunications

EMI-sensitive systems

Industrial control

Local area networks

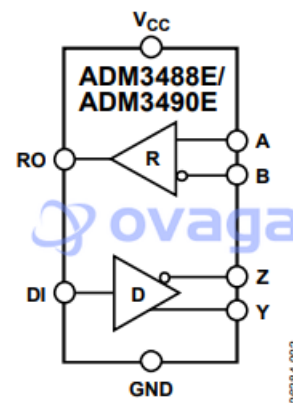
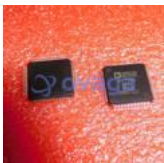


Figure 2.

## Related Products



[ADV7181CBSTZ](#)

Analog Devices, Inc  
LQFP-64



[AD8170AR](#)

Analog Devices, Inc  
SOP8



[AD724JR](#)

Analog Devices, Inc  
SOIC-16



[ADV7393BCPZ](#)

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LFCSP-VQ-40



[ADV7391WBCPZ](#)

Analog Devices, Inc  
LFSCP-3



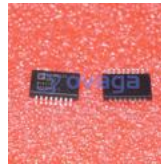
[ADV7390BCPZ](#)

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[ADV7341BSTZ](#)

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