

Transceiver RS422/RS485, Full Duplex, ± 15 kV ESD Protected, 3V-3.6V supply, SOIC-14

| | |
|---------------|----------------------------|
| Manufacturers | <u>Analog Devices, Inc</u> |
| Package/Case | SOIC-14 |
| Product Type | Interface ICs |
| RoHS | Rohs |
| Lifecycle | |



Images are for reference only

Please submit RFQ for ADM3491EARZ 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 Ω receiver input impedance which allows up to 32 transceivers on a bus. Since only one driver should be enabled at any time, the output of a disabled or powered down driver is three-stated 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 failsafe feature which 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 ranges and are available in narrow 8-lead and 14-lead (ADM3491E) SOIC packages.

Features

TIA/EIA RS-485/RS-422 compliant

Data rates - ADM3490E/ADM3491E: 12 Mbps

Full duplex

32 nodes on the bus

Receiver open-circuit, fail-safe design

Low power shutdown current (ADM3483E/ADM3486E/ADM3491E only)

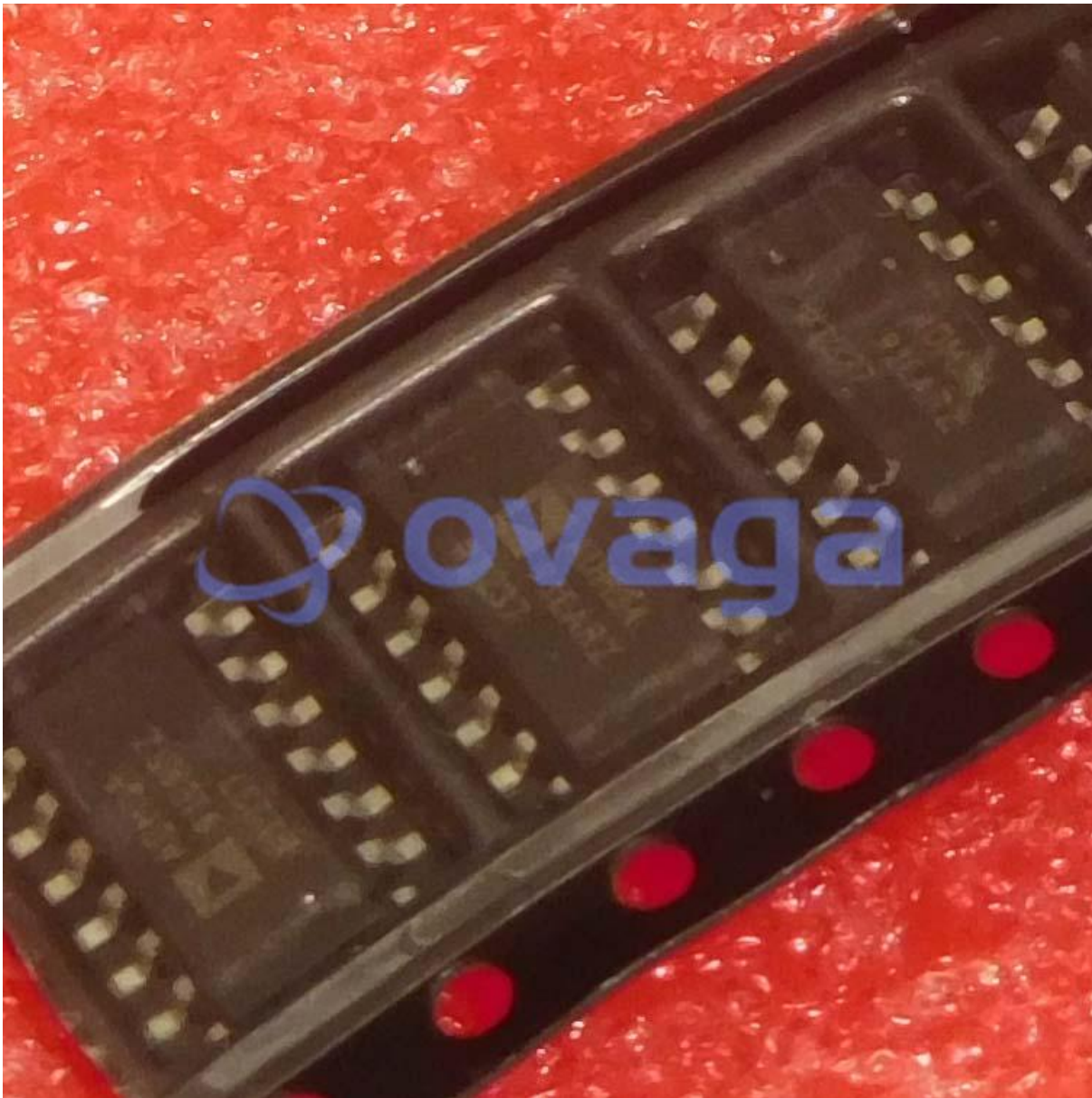
Outputs high-Z when disabled or powered off

Thermal shutdown and short-circuit protection

Industry-standard 75176 pinout

14-lead SOIC package





Related Products



[ADV7181CBSTZ](#)

Analog Devices, Inc
LQFP-64



[AD724JR](#)

Analog Devices, Inc
SOIC-16



[ADV7391WBCPZ](#)

Analog Devices, Inc
LFSCP-3



[AD8170AR](#)

Analog Devices, Inc
SOP8



[ADV7393BCPZ](#)

Analog Devices, Inc
LFCSP-VQ-40



[ADV7390BCPZ](#)

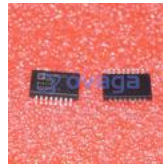
Analog Devices, Inc
QFN32



[ADV7341BSTZ](#)

Analog Devices, Inc

LQFP-64



[ADUM4160BRIZ](#)

Analog Devices, Inc

SOIC-16