

One Microamp Supply-Current, +3V to +5.5V, 250kbps, RS-232 Transmitters/Receivers

Manufacturers	Renesas Technology Corp
Package/Case	PDIP-16
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ICL3232CPZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ICL3221, ICL3222, ICL3223, ICL3232, ICL3241, ICL3243 (ISL32xx) devices are 3.0V to 5.5V powered RS-232 transmitters/receivers that meet EIA/TIA-232 and V.28/V.24 specifications, even at

The ICL324x are 3-driver, 5-receiver devices that provide a complete serial port suitable for laptop or notebook computers. Both devices also include noninverting always-active receivers for “wake-up” capability.

The ICL3221, ICL3223 and ICL3243 feature an automatic powerdown function that powers down the on-chip power-supply and driver circuits. Power-down occurs when an attached peripheral device is shut off or the RS-232 cable is removed, conserving system power automatically without changes to the hardware or operating system. These devices power up again when a valid RS-232 voltage is applied to any receiver input.

Features

RoHS Compliant

15kV ESD protected (Human Body Model)

Drop-in replacements for MAX3221, MAX3222, MAX3223, MAX3232, MAX3241, MAX3243, SP3243

ICL3221 is a low-power, pin compatible upgrade for 5V MAX221

ICL3222 is a low-power, pin compatible upgrade for 5V MAX242, and SP312A

ICL3232 is a low-power upgrade for HIN232/ICL232 and pin compatible competitor devices

RS-232 compatible with>

Meets EIA/TIA-232 and V.28/V.24 specifications at 3V

Latch-up free

On-chip voltage converters require only four external 0.1µF capacitors

Manual and automatic powerdown features (except ICL3232)

Assured mouse driveability (ICL324x only)

Receiver hysteresis for improved noise immunity

Assured minimum data rate : 250kbps

Assured minimum slew rate : 6V/ms

Wide power supply range : single +3V to +5.5V

Low supply current in powerdown state :1µA

Related Products



[ICL3221EIVZ](#)

Renesas Technology Corp
TSSOP-16



[ICL3243EIVZ](#)

Renesas Technology Corp
TSSOP-28



[ICL3232ECBNZ-T](#)

Renesas Technology Corp
SOIC-16



[ICL3241EIAZ](#)

Renesas Technology Corp
SSOP-28



[ICL3241ECAZ](#)

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SSOP-28



[ICL3232EIBNZ-T](#)

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SOIC-16



[ICL3223IAZ](#)

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SSOP-20