

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

Manufacturers	Renesas Technology Corp
Package/Case	SSOP20
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ICL3222IAZ 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 0.1 μ F capacitors

Manual and automatic powerdown features (except ICL3232)

Assured mouse driveability (ICL324x only)

Receiver hysteresis for improved noise immunity

Assured minimum data rate : 250kbps

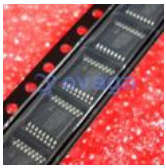
Assured minimum slew rate : 6V/ms

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

Low supply current in powerdown state :1 μ A



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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