

Pb-Free w/Anneal RS232 3V 3D/3R 15KV SHUTDOWN 24LD TSSOP HT SUSA
 CODE:8542390000

| | |
|---------------|---|
| Manufacturers | Renesas Technology Corp |
| Package/Case | TSSOP-24 |
| Product Type | Interface ICs |
| RoHS | Rohs |
| Lifecycle | |



Images are for reference only

Please submit RFQ for ISL83387EIVZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ISL83387E is a 3.0V to 5.5V powered RS-232 transceiver that meets EIA/TIA-232 and V.28/V.24 specifications, even at >

The ISL83387E features a VL pin that adjusts the logic pin output levels and input thresholds to values compatible with the VCC powering the external logic (for example, a UART).

The ISL83387E includes an enhanced automatic power-down function that powers down the on-chip power-supply and driver circuits. Automatic powerdown occurs when all receiver and transmitter inputs detect no signal transitions for a period of 30 seconds. The ISL83387E powers back up automatically, when it senses a transition on any transmitter or receiver input.

Application Note AN9863 summarizes the features of each device comprising the 3V RS-232 family.

Features

V_L supply pin for compatibility with mixed voltage systems

ESD protection for RS-232 I/O pins to $\pm 15\text{kV}$ (IEC61000)

Low power, pin compatible upgrade for MAX3387E

Manual and enhanced automatic powerdown features

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

On-chip charge pumps require only four external $0.1\mu\text{F}$ capacitors

Receivers stay active in powerdown

Very low supply current: $300\mu\text{A}$

Assured minimum data rate: 250kbps

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

Low supply current in powerdown state: $< 1\mu\text{A}$

Pb-Free (RoHS compliant)

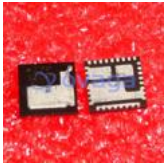


Related Products



[ISL83491IBZ](#)

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SOIC-14



[ISL99227FRZ-T](#)

Renesas Technology Corp
32-PowerWFQFN



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