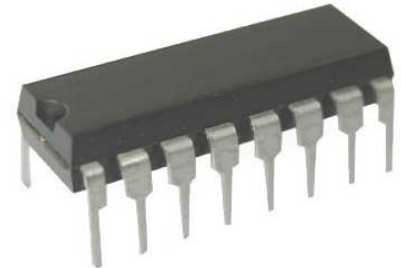


+5V Powered RS-232 Transmitters/Receivers with 0.1 μ F External Capacitors; Temperature Range: 0°C to 70°C; Package: 16-PDIP

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



Images are for reference only

Please submit RFQ for HIN202CPZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HIN202, HIN206, HIN207, HIN208, HIN211, HIN213 family of RS-232 transmitters/receivers interface circuits meet all EIA RS-232E and V.28 specifications, and are particularly suited for those applications where $\pm 12V$ is not available. They require a single +5V power supply and feature onboard charge pump voltage converters which generate +10V and -10V supplies from the 5V supply. The family of devices offers a wide variety of RS-232 transmitter/receiver combinations to accommodate various applications (see Selection Table). The HIN206, HIN211 and HIN213 feature a low power shutdown mode to conserve energy in battery powered applications. In addition, the HIN213 provides two active receivers in shutdown mode allowing for easy "wakeup" capability. The drivers feature true TTL/CMOS input compatibility, slew rate-limited output, and 300 Ω power-off source impedance. The receivers can handle up to $\pm 30V$ input, and have a 3k Ω to 7k Ω input impedance. The receivers also feature hysteresis to greatly improve noise rejection.

Features

Pb-Free Available as an Option (See Ordering Info)

Meets All RS-232E and V.28 Specifications

Requires Only 0.1 μ F or Greater External Capacitors

High Data Rate 120kbit/s

Two Receivers Active in Shutdown Mode (HIN213)

Requires Only Single +5V Power Supply

Onboard Voltage Doubler/Inverter

Low Power Consumption (Typ) 5mA

Low Power Shutdown Function (Typ) 1 μ A

Three-State TTL/CMOS Receiver Outputs

Multiple Drivers

\pm 10V Output Swing for +5V Input

300 Ω Power-Off Source Impedance

Output Current Limiting

TTL/CMOS Compatible

30V/ μ s Maximum Slew Rate

Multiple Receivers

\pm 30V Input Voltage Range

3k Ω to 7k Ω Input Impedance

0.5V Hysteresis to Improve Noise Rejection

Related Products



[HIN202EIBNZ](#)

Renesas Technology Corp
SOIC-16



[HI1-0508-2](#)

Renesas Technology Corp
CDIP-16



[HI1-5051-2](#)

Renesas Technology Corp
CDIP-16



[HI1-5042-2](#)

Renesas Technology Corp
CDIP-16



[HIN213EIAZ-T](#)

Renesas Technology Corp
SSOP-28



[HIN213ECAZ-T](#)

Renesas Technology Corp
SSOP-28



[HI1-0546-2](#)

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CDIP-28



[HI1-0201-2](#)

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CDIP-16