

LEAD-FREE RS232 5V 2D/2R 1UF CAPS 16PDIP COM HT SUSA CODE:8542390000

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



Images are for reference only

Please submit RFQ for HIN232CPZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HIN232-HIN241 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 (except HIN239) and feature onboard charge pump voltage converters which generate +10V and -10V supplies from the 5V supply. The family of devices offer a wide variety of RS-232 transmitter/receiver combinations to accommodate various applications. The drivers feature true TTL/CMOS input compatibility, slewrate- limited output, and 300Ω power-off source impedance. The receivers can handle up to $\pm 30V$, and have a $3k\Omega$ to $7k\Omega$ input impedance. The receivers also feature hysteresis to greatly improve noise rejection.

Features

Meets All RS-232E and V.28 Specifications

Requires Only Single +5V Power Supply

(+5V and +12V - HIN239)

High Data Rate 120kbps

Onboard Voltage Doubler/Inverter

Low Power Consumption

Low Power Shutdown Function

Three-State TTL/CMOS Receiver Outputs

Multiple Drivers

$\pm 10\text{V}$ Output Swing for 5V Input

300Ω Power-Off Source Impedance

Output Current Limiting

TTL/CMOS Compatible

$30\text{V}/\mu\text{s}$ Maximum Slew Rate

Multiple Receivers

$\pm 30\text{V}$ Input Voltage Range

$3\text{k}\Omega$ to $7\text{k}\Omega$ Input Impedance

0.5V Hysteresis to Improve Noise Rejection

Pb-Free Plus Anneal Available (RoHS Compliant)

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



[HI1-0546-2](#)

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CDIP-28



[HIN213ECAZ-T](#)

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SSOP-28



[HI1-0201-2](#)

Renesas Technology Corp
CDIP-16