

**Low Power Quad RS-232 Receiver**

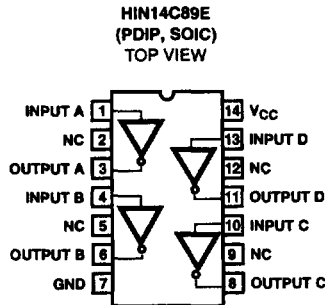
The HIN14C89E is a high-ESD tolerant, very low power, quad RS-232 receiver interface circuit that is designed to meet EIA/TIA-232, EIA/TIA-562, and CCITT V.28 specifications.

The receivers can handle up to  $\pm 25V$ , and have a 3 to 7k $\Omega$  input impedance. The receivers have hysteresis and on-chip noise filtering to improve noise rejection and make external filtering components unnecessary. The outputs are TTL and CMOS compatible and operate at 240Kbps.

**Ordering Information**

PART NUMBER	TEMP. RANGE (°C)	PACKAGE	PKG. NO.
HIN14C89ECP	0 to 70	14 Ld PDIP	E14.3
HIN14C89ECBN	0 to +70	14 Ld SOIC	M14.15

**Pinout**



**Features**

- Pin-Compatible ESD Upgrade for "1489" Socket
- Meets All RS-232C Specifications
- Enhanced ESD Protection
  - $\pm 15KV$  Human Body Model
  - $\pm 15KV$  IEC1000-4-2, Air-Gap Discharge
  - $\pm 8KV$  IEC1000-4-2, Contact Discharge
- Latch-Up Free During an ESD Event
- Very Low Power Consumption (1 $\mu A$  Typical)
- 240Kbps Data Rate (Typical)
- 4 Receivers per Package
  - $\pm 25V$  Input Voltage Range
  - 3 to 7k $\Omega$  Input Impedance
  - 0.5V Hysteresis to Improve Noise Rejection
- All Critical Parameters are Guaranteed Over the Entire Commercial Temperature Range
  - Functionally Interchangeable and Pin Compatible with MAX1489E, MC1489, MC14C89A, SN75189, SN75C189, DS1489, DS14C89, and DS14C89A

**Applications**

- Computers - Portable and Mainframe
- Peripherals - Printers and Terminals
- Modems
- Dataloggers