

# ADVANCE INFORMATION

All information in this data sheet is preliminary and subject to change.

7/95

# MAXIM

## ±15kV ESD-Protected, +5V RS-232 Transceiver

MAX203E

### General Description

The MAX203E transceiver is designed for RS-232 and V.28 communications in harsh environments. Each driver output and receiver input is protected against ±15kV electrostatic discharge (ESD) shocks, without latchup. The MAX203E has two drivers and two receivers. The drivers and receivers meet all EIA/TIA-232E and CCITT V.28 specifications at data rates up to 120kbps when loaded in accordance with the EIA/TIA-232E specification.

The MAX203E comes in 20-pin DIP and wide SO packages, and requires no external charge-pump capacitors.

### Applications

Notebook, Subnotebook, and Palmtop Computers

Battery-Powered Equipment

Hand-Held Equipment

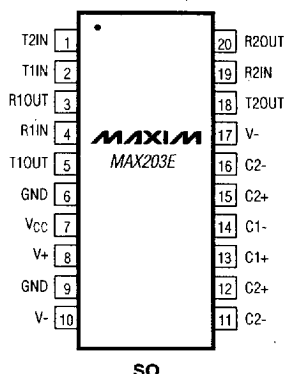
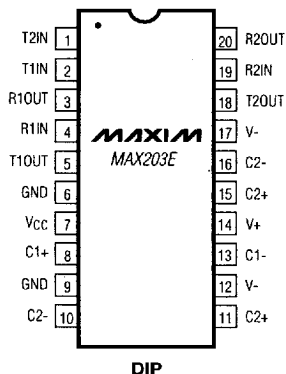
### Features

#### Better than Bipolar!

- ♦ ESD Protection for RS-232 I/O Pins:
  - ±15kV—Human Body Model
  - ±8kV—IEC801-2, Contact Discharge
  - ±15kV—IEC801-2, Air-Gap Discharge
- ♦ Latchup Free (unlike bipolar equivalents)
- ♦ 2 Drivers, 2 Receivers
- ♦ Guaranteed 120kbps Data Rate—LapLink™ Compatible
- ♦ Guaranteed 3V/μs Min Slew Rate
- ♦ Operate from Single +5V Power Supply

### Pin Configurations

TOP VIEW



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