

## DS9637A/ $\mu$ A9637A Dual Differential Line Receiver

### General Description

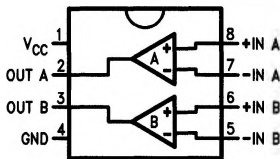
The DS9637A/ $\mu$ A9637A is a Schottky dual differential line receiver which has been specifically designed to satisfy the requirements of EIA Standards RS-422 and RS-423. In addition, the DS9637A/ $\mu$ A9637A satisfies the requirements of MIL-STD 188-114 and is compatible with the International Standard CCITT recommendations. The DS9637A/ $\mu$ A9637A is suitable for use as a line receiver in digital data systems, using either single ended or differential, unipolar or bipolar transmission. It requires a single 5V power supply and has Schottky TTL compatible outputs. The DS9637A/ $\mu$ A9637A has an operational input common mode range of  $\pm 7V$  either differentially or to ground.

### Features

- Dual channels
- Single 5V supply
- Satisfies EIA standards RS-422 and RS423
- Built-in  $\pm 35$  mV hysteresis
- High common mode range
- High input impedance
- TTL compatible output
- Schottky technology
- Extended temperature range

### Connection Diagram

8-Lead DIP and SO-8 Package



Top View

TL/F/9821-1

Order Number DS9637ARM/ $\mu$ A9637ARM,  
DS9637ARC/ $\mu$ A9637ARC  
See NS Package Number J08A

Order Number DS9637ASC,  $\mu$ A9637ASC  
See NS Package Number M08A

Order Number DS9637ATC,  $\mu$ A9637ATC  
See NS Package Number N08E