

# DS8936 LocalTalk™ Dual Driver/Triple Receiver

## General Description

The DS8936 is a dual driver/triple receiver device optimized to provide a single chip solution for a LocalTalk Interface. The device provides one differential TIA/EIA-422 driver, one TIA/EIA-423 single ended driver, one TIA/EIA-422 receiver and two TIA/EIA-423 receivers, all in a surface mount 16-pin package. This device is electrically similar to the 26LS30 and 26LS32 devices and is a direct replacement for the DS8935.

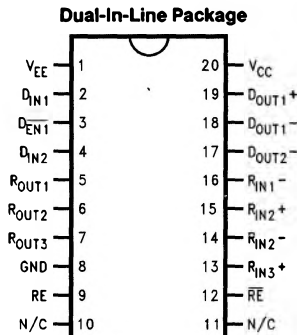
The drivers feature  $\pm 10V$  common mode range, and the differential driver provides TRI-STATEable® outputs. The receivers offer  $\pm 200$  mV thresholds over the  $\pm 10V$  common mode range.

The device offers enable circuitry for the differential driver and selectable enabling for the three receivers.

## Features

- Single chip solution for LocalTalk port
- Two driver/three receivers per package
- Fast rise/fall times and prop delay on receivers
- Wide common mode range:  $\pm 10V$
- $\pm 200$  mV receiver sensitivity
- 70 mV typical receiver input hysteresis
- Available in SOIC packaging
- Failsafe receiver for open inputs

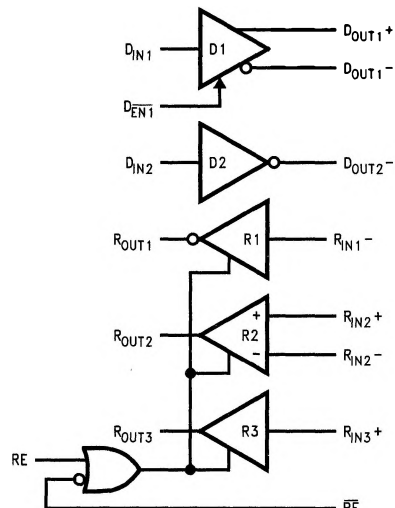
## Connection Diagram



TL/F/12647-1

**Order Number DS8936WM**  
**See NS Package Number M20B**

## Functional Diagram



TL/F/12647-2