![National Semiconductor] National Semiconductor
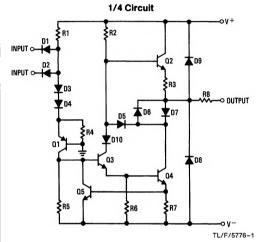
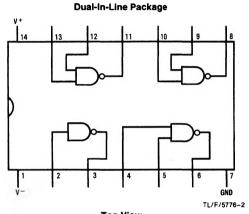# DS1488 Quad Line Driver

General Description

The DS1488 is a quad line driver which converts standard TTL input logic levels through one stage of inversion to output levels which meet EIA Standard No. RS-232C and CCITT Recommendation V.24.
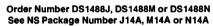
Features

- Current limited output   ±10 mA typ
- Power-off source impedance   300Ω min
- Simple slew rate control with external capacitor
- Flexible operating supply range
- Inputs are TTL/LS compatible

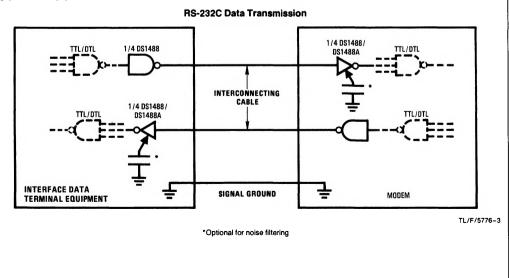## Schematic and Connection Diagrams

1/4 Circuit

TL/F/5776–1

Dual-In-Line Package

TL/F/5776–2

Top View

Order Number DS1488J, DS1488M or DS1488N
See NS Package Number J14A, M14A or N14A

Typical Applications

RS-232C Data Transmission

TL/F/5776–3

*Optional for noise filtering