

Advance Information

Automotive Dual High Side Driver

This device is a dual high side power switch dedicated for automotive applications. In comparison with mechanical relays, this device offers higher reliability as well as protection and diagnostic features.

The device consists of two independent 35mΩ R_{dson} switches in a surface mount package. It can be directly interfaced with a microcontroller for control and diagnostic functions. The device is fully protected against overcurrents, short-circuits and incorporates an overtemperature shutdown. It can be directly and continuously supplied by the battery and offers a very low quiescent current in standby mode.

- Designed for Automotive Applications
- Junction Temperature Range from -40°C to 150°C
- Operating Voltage Range from 8V to 40V
- Maximum Breakdown Voltage greater than 40V
- Surface Mount Package
- 35mΩ R_{dson} at 25°C
- Overtemperature Protection with Hysteresis
- Under Voltage Shutdown
- Reverse Battery protected
- Open Load Detection in On-State
- Diagnostic Output
- ESD Protection 2kV
- Current Limitation at 30A
- Loss of ground protected
- Standby Current less than 10μA at V_{bat} = 14V

MC33286

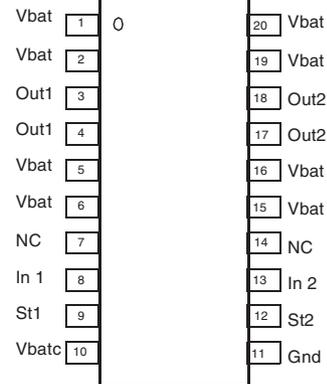
AUTOMOTIVE DUAL HIGH SIDE DRIVER

SEMICONDUCTOR
TECHNICAL DATA



DW SUFFIX
SO20WB Package
CASE 751D-05

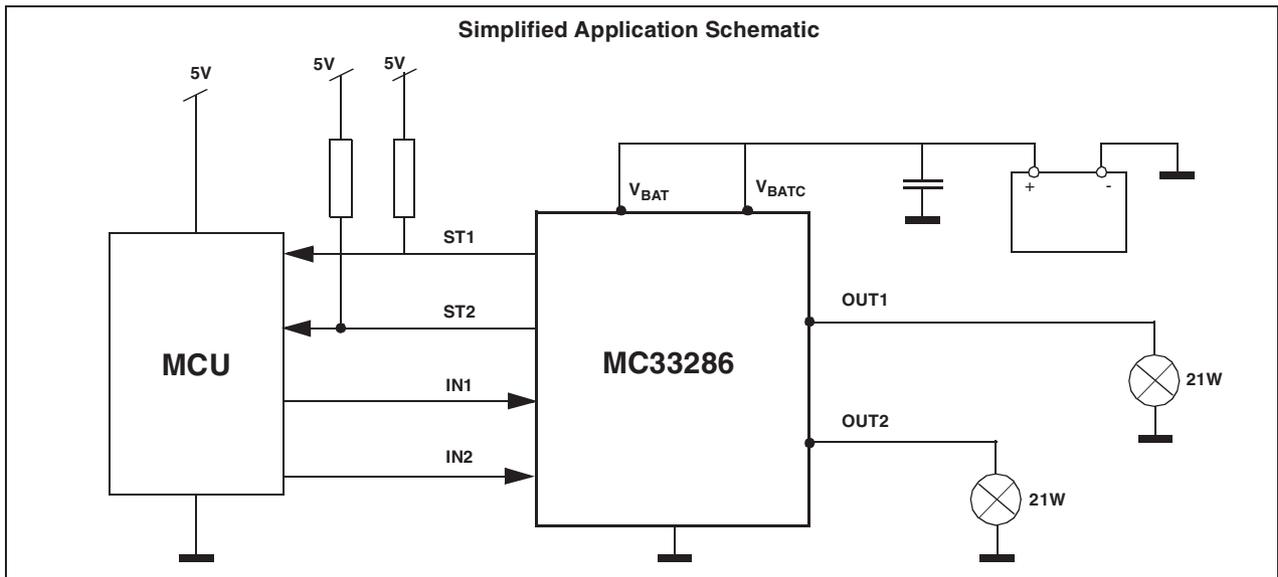
PIN ASSIGNMENT



ORDERING INFORMATION

Device	Operating Temperature Range	Package
PC33286DW	TA=-40° to +125°C	SO20

Simplified Application Schematic



This document contains information on a new product. Specifications and information herein are subject to change without notice.