

## Description

The BP8005 is a highly integrated converter which provides constant voltage regulation during the relay is on for no neutral wire required smart switch. The BP8005 has the features of power-on delay signal, programmable output voltage. Thus, less components are needed, which reduces solution size, and can lead to a lower system cost.

The BP8005 is available in a SOT33-5B package.

## Features

- Power supply during relay-on
- Power-on delay signal
- Programmable output voltage

## Applications

- No neutral wire required smart switch
- Other applications of no neutral wire required

## Typical Application

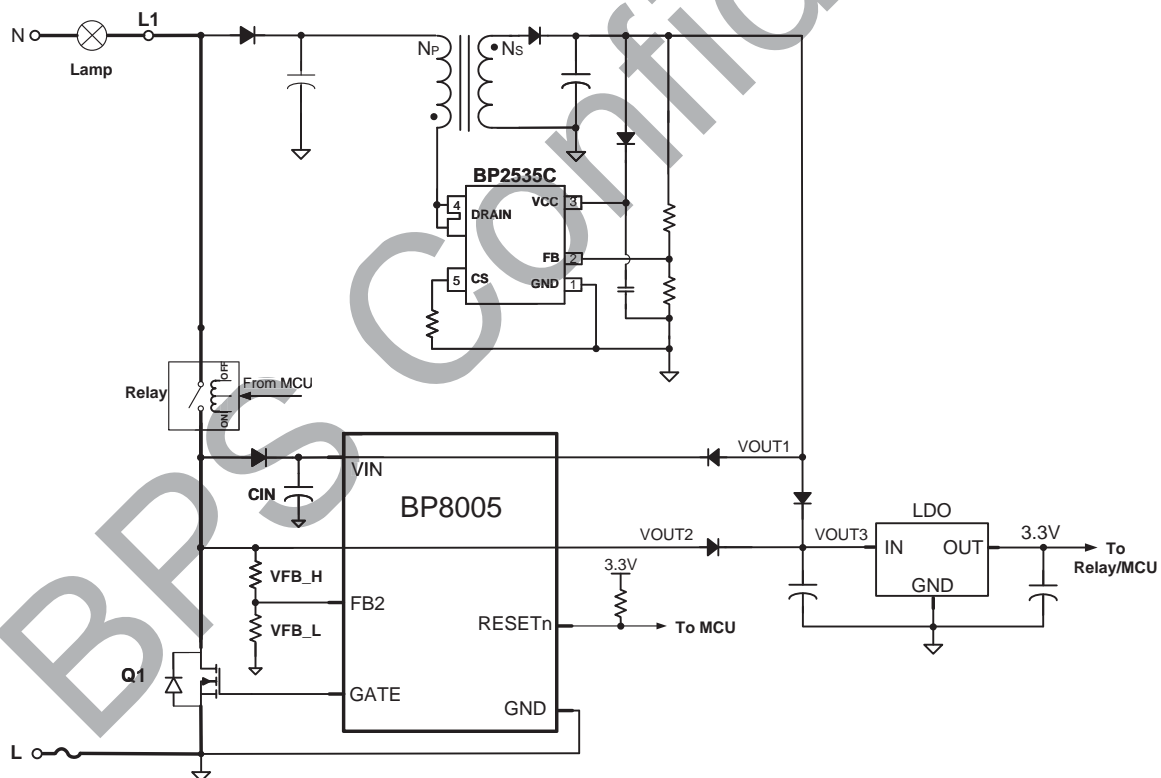


Figure 1. BP8005 typical application

## Ordering Information

Part Number	Package	Operating Temperature	Packing	Marking
BP8005	SOT33-5B	-40 °C to 105 °C	Tape 4,000pcs/Reel	BP8005 XXXXXX ZZWWX

## Pin Configuration and Marking Information

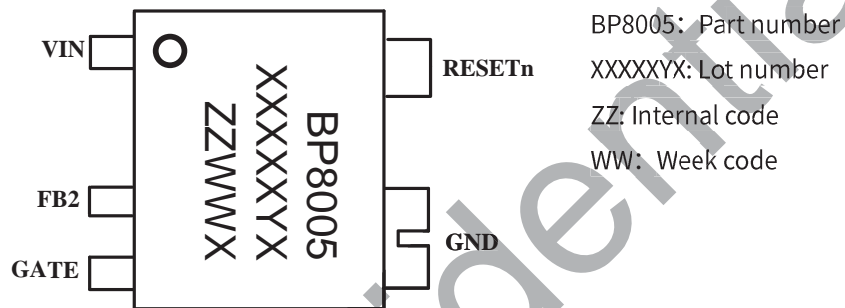


Figure 2. BP8005 pin configuration

## Pin Functions

Pin NO.	Pin Name	Descriptions
1	VIN	Power supply
2	FB2	Output feedback.
3	GATE	Gate driver output for MOSFET
4	GND	Ground
5	RESETn	Output of the power-on delay signal. Open-drain terminal.

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