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

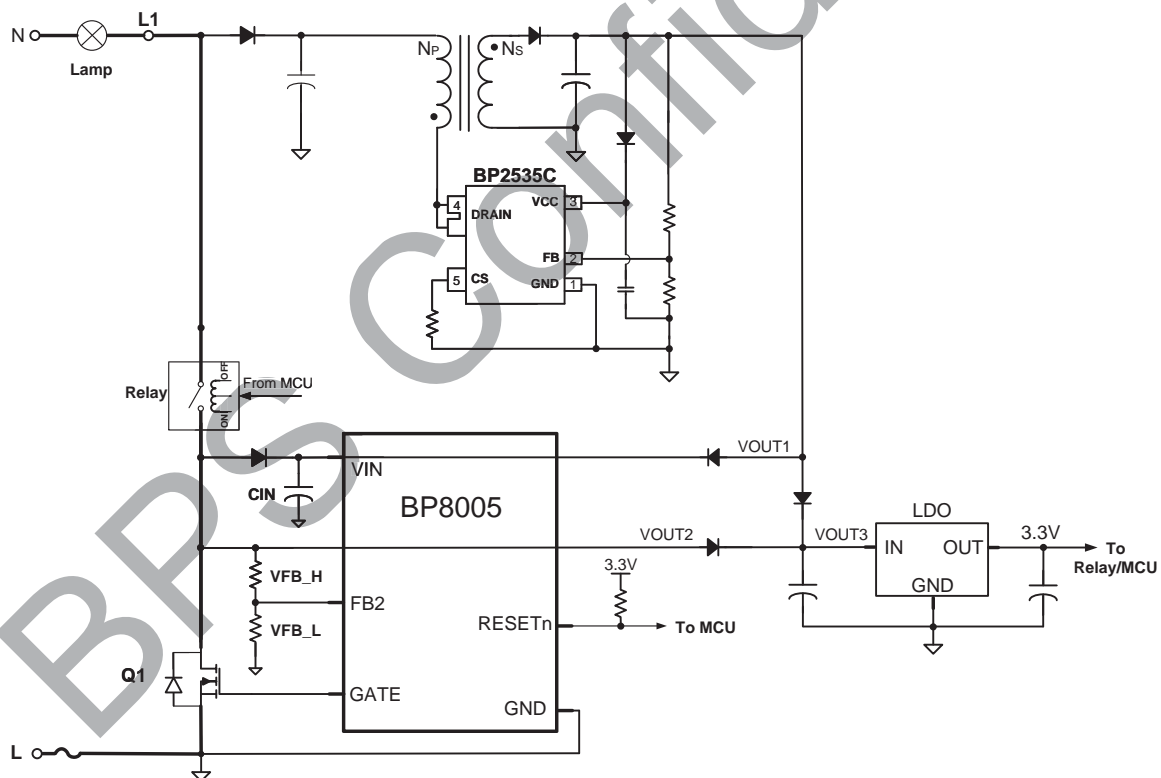■ Other applications of no neutral wire required

Typical Application

Figure 1. BP8005 typical application

Ordering Information

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

Pin Configuration and Marking Information

BP8005：Part number

XXXXXYX: Lot number

ZZ: Internal code

WW: Week code
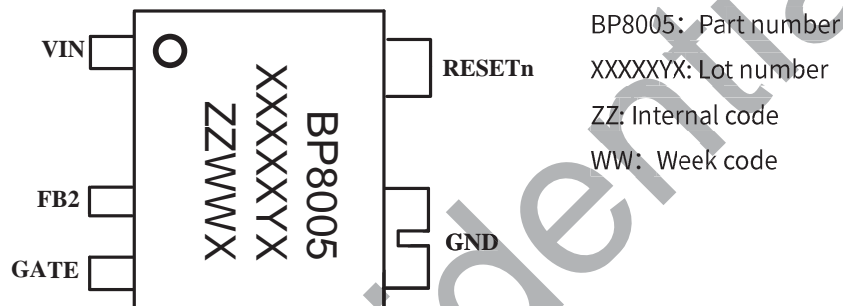
Figure 2. BP8005 pin configuration

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.

Disclaimer

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