

le (CCM) operations. Robust operation
ed with adaptive gate drive and faster
with 4 A sink current and ultra-short

ging detection circuitry prevents the IC
ring on during DCM or QR operations.
rn-on blanking function prevents an
off due to parasitic ringing. Ultra-short
increases SR MOSFET conduction time
iciency.

generates its own supply voltage
ng auxiliary winding for low-side or
cation. This feature makes it suitable
ications with a very low output voltage
voltage range.

available in an SOP-8 package.



SOP-8 Package

Application

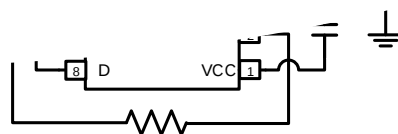


Figure 1. BP6211B Typical Application

high-side rectification

Supports wide output voltage range down to 0 V

4 A sink gate driver prevent false turn-on by the
miller effect

Ultra-short turn-on delay, increase MOSFET
conduction time, optimize efficiency

Low quiescent current

Compatible with energy efficiency regulations

Applications

QC, USB-PD and PPS AC-DC Chargers

High Efficiency Adaptors

High Efficiency and Power Density Flyback
Converters



BP6211B

Fast Turn-Off Synchronous Rectifier for CCM/DCM Flyback Converter

Ordering Information

Part Number	Package	Packing	Marking
BP6211B	SOP-8	Tape & Reel 4,000 pcs/Reel	BP6211B XXXXXXYY ZZZZWWX

Pin Configuration and Marking Information



Figure 2. SOP-8 Pin Configuration

Pin Functions

Pin NO.	Pin Name	Description
1	VCC	Linear regulator output. VCC is the supply of the BP6211B.
2	VD	MOSFET drain voltage sensing. VD is also used as the linear regulator input.
3 4	S	MOSFET source. S is also used as a reference for VCC.
5 6 7 8	D	MOSFET drain.

BPS Confid