

## Product Overview

### NCP5911: MOSFET Driver, IMVP7.0 Compatible, Synchronous Buck

For complete documentation, see the data sheet.

NCP5911 is a high performance dual MOSFET driver optimized to drive the gates of both high- and low-side power MOSFETs in a synchronous buck converter. It can drive up to a 3.0 nF load with a 25 ns propagation delay and 20 ns transition time. Adaptive anti-cross-conduction and power saving operation circuit can provide a low switching loss and high efficiency solution for notebook systems. A high floating top driver design can accommodate VBST voltage as high as 35 V, with transient voltages as high as 35 V. Bidirectional EN pin can provide a fault signal to controller when the gate driver fault detect under OVP, UVLO occur. Also, an undervoltage lockout function guarantees the outputs are low when supply voltage is low, and a thermal shutdown function provides the IC with overtemperature protection.

### Features

- Fast rise and fall times
- Adaptive anti-cross-conduction circuit
- Zero cross detection function

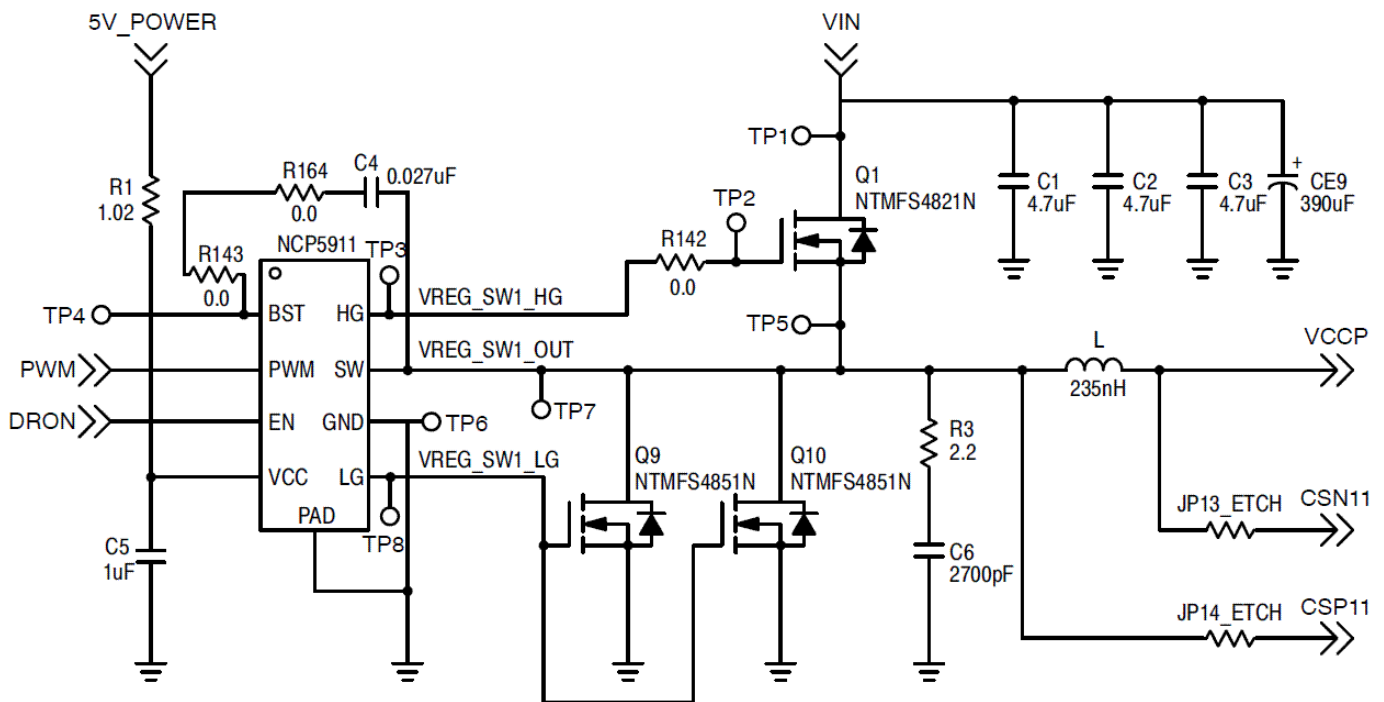
### Applications

- Vcore Voltage Regulation

### End Products

- Notebook Computers

### Application Diagram



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