

### Features

- Wide Input Voltage Range, 3.3V to 5.5V
- Programmable Output Voltage
- $\pm 3\%$  Output Voltage Accuracy
- $R_{CS}$  Current Sensing
- 600kHz Fixed Switching Frequency
- Adjustable Soft-start
- Output Over Voltage Protection
- Output Under Voltage Protection
- Open Drain Status Output
- Over Temperature Protection
- Available in TQFN20-3x3 Package
- Green Product (RoHS, Lead-Free, Halogen-Free Compliant)

### Applications

- Personal Information Appliances
- Portable Instruments

### Typical Application

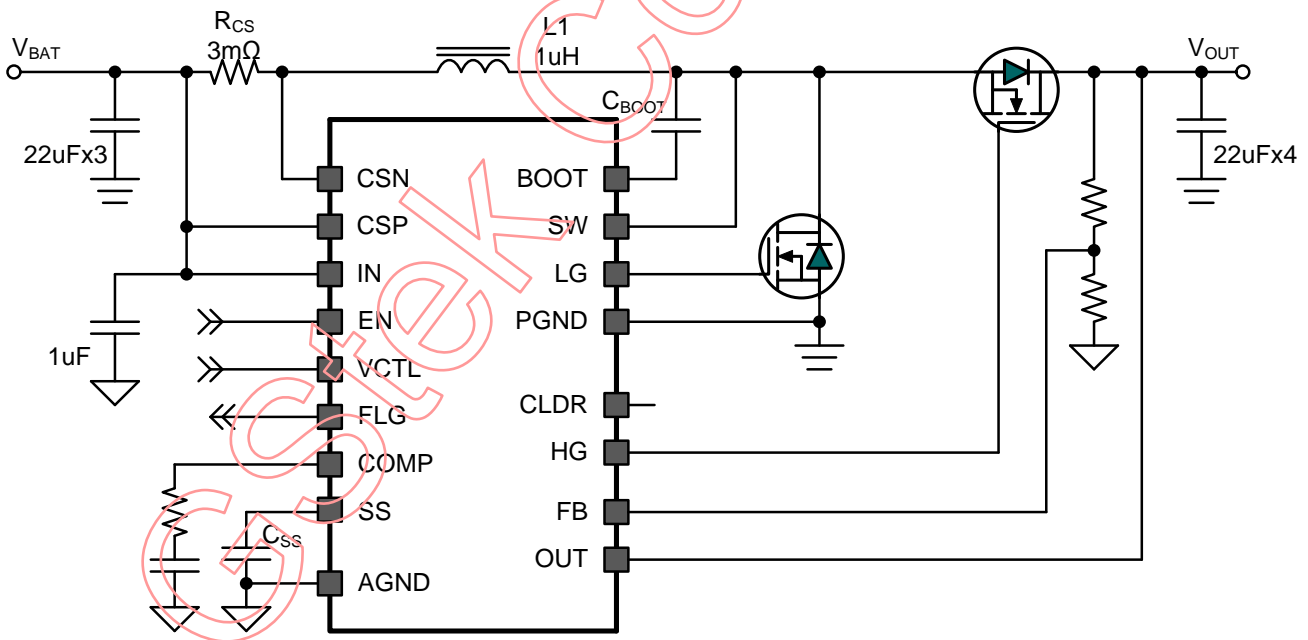


Figure 1 Application Circuit

### General Description

The GS7011 is a 600kHz fixed frequency, high efficiency, wide input range, current mode boost controller with current sensing for high power application.

The GS7011 features synchronous gate driver for high efficiency. An external compensation pin gives the user flexibility in setting loop dynamics and obtaining optimal transient performance at all conditions.

The GS7011 also includes under-voltage lockout, switching current limiting and thermal shutdown to prevent damage in the event of output overload. The error status can be reported to the MCU by FLG output indicator.

The IC is available in TQFN20-3x3 package.