

### Features

- VCC Range from 4.5 V to 13.2 V
- 300 kHz and 600 kHz Internal Oscillator
- Boost Pin Operates to 30 V
- Voltage Mode PWM Control
- Precision 0.8 V Internal Reference
- Adjustable Output Voltage
- Internal 1.5 A Gate Drivers
- 85% Max Duty Cycle
- Input Under Voltage Lockout
- Programmable Current Limit
- Green Product (RoHS, Lead-Free, Halogen-Free Compliant)

### Applications

- Mother Board
- Graphic cards
- Cable Modems, Set Top Boxes, and Xdsl Supplies
- Low cost PC

### General Description

The GS7257A is a single buck controller working in a voltage mode with fixed frequency. It allows wide input voltage which is either a single voltage or two supply voltages for various applications, and the output voltage can be precisely regulated to as low as 0.8V

The GS7257A provides an optimal level of integration to reduce size and cost of the power supply. Features include a 1.5A gate driver and internally set 300kHz or 600kHz oscillator. In addition to 1.5A gate drive capability, it also provides UVP, OVP, OTP, UVLO for VCC. Otherwise, it includes internal soft-start, power OK indication.

The GS7257A is available in a simple TDFN10-3x3 Package.

### Typical Application

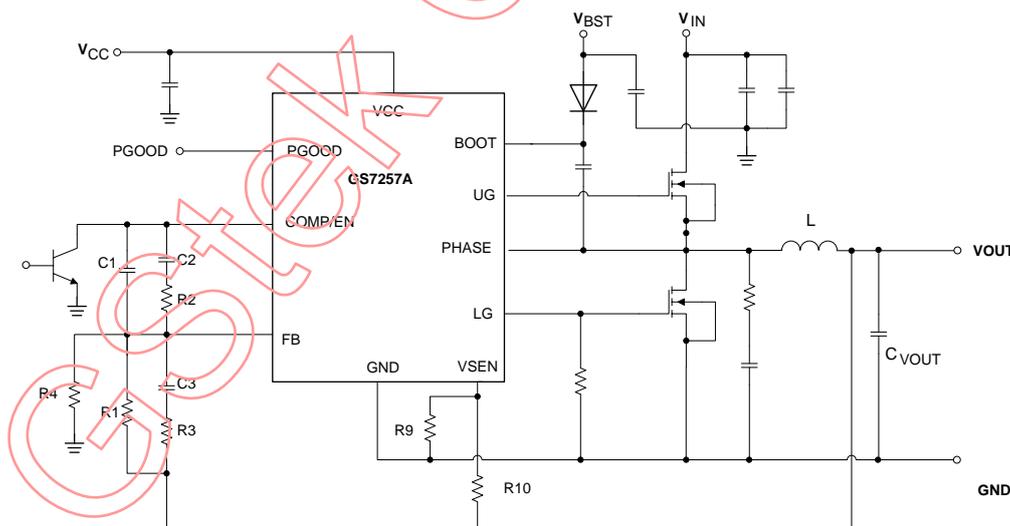


Figure 1 Typical Application of GS7257A

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