

## 製品概要

### NCP81044: Synchronous Buck Controller, Low Voltage

技術情報は、データシートをご参照ください。

The NCP81044 is a PWM control designed to operate from a 5 V or 12 V supply. These devices are capable of producing an output voltage as low as 0.8 V. These devices provide an optimal level of integration to reduce size and cost of the power supply. The NCP81044 provides a 1 A gate driver design and an internally set 275 kHz oscillator. In addition to the 1 A gate drive capability, other efficiency enhancing features of the gate driver include adaptive non-overlap circuitry. The device also incorporates an externally compensated error amplifier and a capacitor programmable soft-start function. Protection features include programmable short-circuit protection and under-voltage lockout (UVLO).

#### 特長

- Input Voltage Range from 4.5 to 13.2 V
- Voltage Mode PWM Control
- 0.8 V +/- 1.0 % Internal Reference Voltage
- Adjustable Output Voltage
- Capacitor Programmable SoftStart
- Internal 1 A Gate Drivers
- Programmable Current Limit

#### 利点

- Versatility
- Ease of use
- Enhanced performance
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#### アプリケーション

- Graphics Cards
- DSP & FPGA Power Supply
- DCDC Regulator Modules
- Desktop Computers
- Servers / Networking

#### 最終製品

- DC-DC Regulator Modules

詳細は、弊社 [www.onsemi.jp](http://www.onsemi.jp) の営業または販売代理店にお問い合わせください。

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