

## 製品概要

### NCV1034: AEC Qual - 100 V Synchronous Buck Controller

技術情報は、データシートをご参照ください。

The NCV1034 is a high voltage PWM controller designed for high performance synchronous Buck dc-dc applications. The NCV1034 drives a pair of external N-MOSFETs using a programmable switching frequency up to 500 kHz which allows flexibility to tune the operation of the IC to meet system level requirements. An external synchronization feature allows the simplification of system level filter design. The output voltage can be precisely regulated using the internal 1.25 V reference voltage for low voltage applications. Protections such as under voltage lockout and hiccup current limit are provided to give required system level security in the event of a fault.

#### 特長

- Input voltage up to 100V
- 2 A Output Drive Capability
- 1.25 V +/-2.5% feedback voltage across temperature
- External Frequency Synchronization
- Programmable switching frequency up to 500 kHz
- AEC-Q100 Qualified

#### 利点

- Wide input voltage to be used with +48V or +60V input
- Ability to use larger size FETs for increased efficiency
- Excellent system level accuracy across temperature
- Ability to sync to external frequency or output a sync pulse
- Optimization for efficiency and size
- Medium voltage DC-DC systems

#### アプリケーション

- 48 V Non-Isolated DC-DC Converter
- Automotive High Voltage DC-DC Converters

#### 最終製品

- Automotive

#### 電氣的仕様

製品	Pricing (\$/Unit)	Compliance	Status	Topology	Phases	Control Mode	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	f <sub>SW</sub> Typ (kHz)	Package Type
NCV1034DR2G	1.3933	AEC Qualified PPAP Capable Pb-free Halide free	Active	Step-Down	1	Voltage Mode	8	100	Up to 500	SOIC-16

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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