

Switching Controllers Fixed Freq (I) Mode For FlyBk Conv

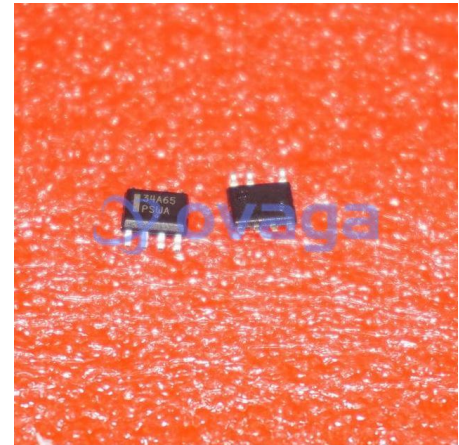
Manufacturers [ON Semiconductor, LLC](#)

Package/Case SOIC-7

Product Type Power Management ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for NCP1234AD65R2G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The NCP1234 is a new fixed-frequency current-mode controller featuring Dynamic Self-Supply (DSS). This device is pin-to-pin compatible with the previous NCP12xx families.

The DSS function greatly simplifies the design of the auxiliary supply and the VCC capacitor by activating the internal startup current source to supply the controller during transients.

Features

Fixed-Frequency Current-Mode Operation with Built-In Ramp Compensation

65 kHz or 100 kHz Oscillator Frequency version

Frequency Foldback then Skip Mode for Maximized Performance in Light Load and Standby Conditions

Timer-Based Overload Protection with Latched (option A) or Auto-Recovery (option B) Operation

High-voltage Current Source with Dynamic Self-Supply, Simplifying the Design of the VCC Capacitor

Frequency Modulation for Softened EMI Signature, including during Frequency Foldback mode

Adjustable Overpower Compensation

Latch-off Input for Severe Fault Conditions, Allowing Direct Connection of an NTC for Overtemperature Protection (OTP)

VCC Operation up to 28 V, with Overvoltage Detection

4.0 ms Soft-Start

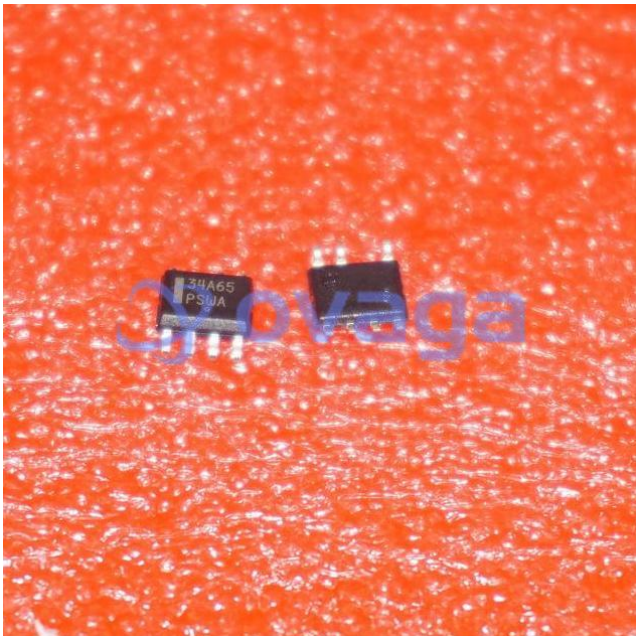
Internal Thermal Shutdown

Pin-to-Pin Compatible with the Existing NCP12xx Series

These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

Application

ONSEMI



Related Products



[NCP603SN330T1G](#)

ON Semiconductor, LLC
TSOP-5



[NCP1399ACDR2G](#)

ON Semiconductor, LLC
SOP16



[NCP3334DADJR2G](#)

ON Semiconductor, LLC
SOIC-8



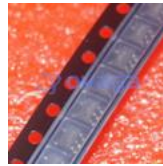
[NCP330MUTBG](#)

ON Semiconductor, LLC
UDFN-4



[NCP1252ADR2G](#)

ON Semiconductor, LLC
SOIC-8



[NCP551SN18T1G](#)

ON Semiconductor, LLC
SOT-23-5



[NCV4274ADS50R4G](#)

ON Semiconductor, LLC
SOT263



[NCP1234AD100R2G](#)

ON Semiconductor, LLC
SOP7