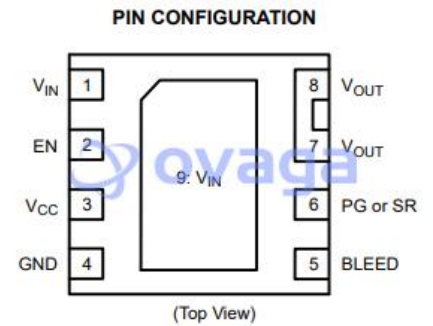


Power Load Switch, High Side, Active Low, 1 Output, 0.0128 ohm On State, 13.5 V in, 10 A, DFN-8

Manufacturers	<a href="#">ON Semiconductor, LLC</a>
Package/Case	DFN2x2-8
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for NCP45521IMNTWG-L or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ecoSWITCH™ NCP45520, NCP45521 series of load management devices provide a component and area-reducing solution for efficient power domain switching with inrush current limit via soft start. In addition to integrated control functionality with ultra low on-resistance these devices offer additional system safeguards and monitoring via fault protection and power good signaling. This cost effective solution is ideal for power management and hot-swap applications requiring low power consumption in a small footprint.

## Features

Advanced Controller with Charge Pump

Integrated N-Channel MOSFET

Soft-Start via Slew Rate Control (NCP45521-Adjustable, NCP45520-Fixed)

Ultra-Low On-Resistance

Input Voltage Range 0.5 V to 13.5 V (18V Tolerant)

Low Standby Current

Quick Output Discharge Function (Adjustable)

No External Components Required

Enable Pins with CMOS Input Levels

Power Good Signaling (NCP45520)

Fault Protection: Over Temperature

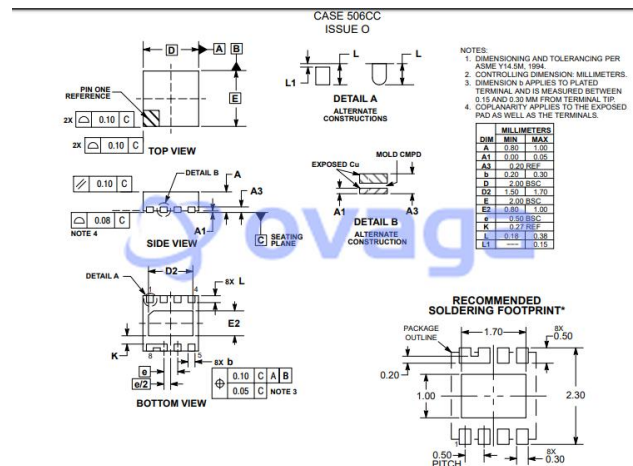
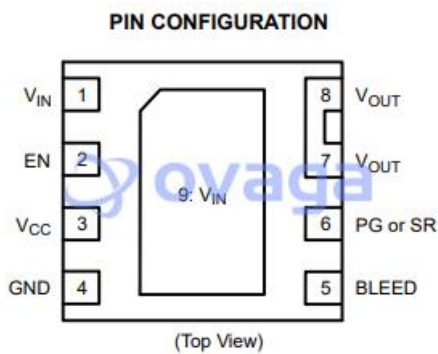
Fault Protection: Under Voltage Lockout

Fault Protection: Short-Circuit Protection

Pb-Free Device

## Application

ONSEMI



## Related Products



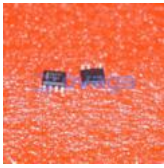
[NCP603SN330T1G](#)

ON Semiconductor, LLC  
TSOP-5



[NCP1399ACDR2G](#)

ON Semiconductor, LLC  
SOP16



[NCP1234AD65R2G](#)

ON Semiconductor, LLC  
SOIC-7



[NCP3334DADJR2G](#)

ON Semiconductor, LLC  
SOIC-8



[NCP551SN18T1G](#)

ON Semiconductor, LLC  
SOT-23-5



[NCP330MUTBG](#)

ON Semiconductor, LLC  
UDFN-4



[NCV4274ADS50R4G](#)

ON Semiconductor, LLC  
SOT263



[NCP1252ADR2G](#)

ON Semiconductor, LLC  
SOIC-8