


MOSFET Driver Compatible with Single-Phase IMVP8

Controllers

Manufacturer:	ON Semiconductor, LLC
Package/Case:	DFN8
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The NCP81253 is a high-performance dual MOSFET gate driver in a small 2 mm x 2 mm package, optimized to drive the gates of both high-side and low-side power MOSFETs in a synchronous buck converter. The driver outputs can be placed into a high-impedance state via the tri-state PWM and EN inputs. The NCP81253 comes packaged with an integrated boost diode to minimize the number of external components. A VCC UVLO function guarantees the outputs are low when the supply voltage is low.

Key Features

- Internal bootstrap diode
- 5 V 3-stage PWM input
- Adaptive anti-cross-conduction circuit
- Diode braking capability
- Output disable control
- VCC undervoltage lockout

Application

Power solutions for notebook and desktop systems

Recommended For You

[NCP1380BDR2G](#)

ON Semiconductor, LLC
SOP8

[NCP114AMX180TCG](#)

ON Semiconductor, LLC
UDFN-4

[NCP1608BDR2G](#)

ON Semiconductor, LLC
SOP-8

[NCP1654BD133R2G](#)

ON Semiconductor, LLC
SOP8

[NCP1200P100G](#)

ON Semiconductor, LLC
DIP-8

[NCP1251ASN65T1G](#)

ON Semiconductor, LLC
SOT23-6

NCP1271D65R2G

ON Semiconductor, LLC

SOP-7

NCV1117DT33T5G

ON Semiconductor, LLC

TO-252

NCV4274AST33T3G

ON Semiconductor, LLC

SOT223

NCP303LSN09T1G

ON Semiconductor, LLC

TSOP-5

NCP1117ST50T3G

ON Semiconductor, LLC

SOT223

NCP3063BDR2G

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SOP8

NCV8405ASTT1G

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SOT-223

NCP1117ST33T3G

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SOT223

NCP303LSN45T1G

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SOT23-5