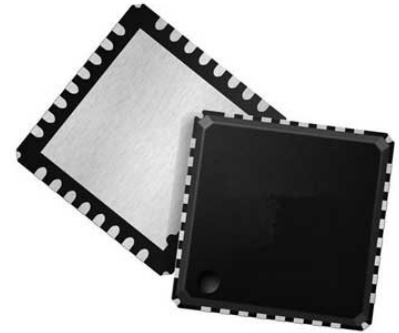


Hot Swap Controller, Base Stations, HDD, Servers, Storage Networks, 4.5V to 18V Supply, LQFN-32

Manufacturers	<a href="#">ON Semiconductor, LLC</a>
Package/Case	32-LFQFN
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for NCP81295MNTXG or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The NCP81295 and NCP81296 are hotswap controllers with a low on resistance MOSFET (0.65mohms). These devices provide overcurrent protection during short circuit and overcurrent condition. It low on resistance reduces losses and the the current is monitored by the internally current mirror, thus eliminating the need for a sense resistor, thereby saving power and cost. These devices can be paralleled for higher current conditions. Robust soft operating area performance helps minimize the number of paralleled device in higher current applications. The NCP81295 offers latch up during overcurrent while the NCP81296 offers hiccup operation. Both parts are offered in a thermally enhanced 5mm by 5mm QFN package.

## Features

Low 0.65mohms internal mosfet

Reduce power losses

Overcurrent protection against short circuit, overcurrent condition, and soft shorts

Protect backplane or bus from collapsing

Analog IMON

Allows easy measure of current into an ADC

Close loop operation during soft start

Ensures current are close to each other during soft start when paralleled

Enhanced 5mm by 5mm QFN

Allows for optimum thermal dissipation

4.5V to 18V operating range

Ideal for 12V bus rails

## Application

ONSEMI

## Related Products



### [NCP603SN330T1G](#)

ON Semiconductor, LLC  
TSOP-5



### [NCP1399ACDR2G](#)

ON Semiconductor, LLC  
SOP16



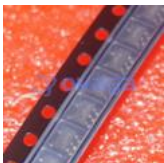
### [NCP1234AD65R2G](#)

ON Semiconductor, LLC  
SOIC-7



### [NCP3334DADJR2G](#)

ON Semiconductor, LLC  
SOIC-8



### [NCP551SN18T1G](#)

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SOT-23-5



### [NCP330MUTBG](#)

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UDFN-4



### [NCV4274ADS50R4G](#)

ON Semiconductor, LLC  
SOT263



### [NCP1252ADR2G](#)

ON Semiconductor, LLC  
SOIC-8