

Image may be representation.  
See specifications for product details.



## NCP45560IMNTWG-H

Manufacturer Part Number	<b>NCP45560IMNTWG-H</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-NCP45560IMNTWG-H
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC PWR SWITCH N-CHAN 1:1 12DFN
Package	12-VDFDN Exposed Pad
Data sheet	<b>NCP45560.pdf</b>
	<b>NCP45560.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

NCP45560IMNTWG-H - onsemi.New Original in Stock. Download Linear Technology NCP45560IMNTWG-H datasheet/specifications on AllelcoElec.com.  
Request a quote for NCP45560IMNTWG-H, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

NCP45560IMNTWG-H Tech Specifications

NCP45560IMNTWG-H - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Output Configuration	High Side
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TJ)
Voltage - Load	0.5V ~ 13.5V	Number of Outputs	1
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	12-DFN (3x3)	Interface	On/Off
Series	ecoSWITCH™	Input Type	Non-Inverting
Rds On (Typ)	3.2mOhm	Features	Power Good, Slew Rate Controlled
Ratio - Input:Output	1:1	Fault Protection	Over Temperature, UVLO
Package / Case	12-VDFDN Exposed Pad	Current - Output (Max)	17A
Package	Tape & Reel (TR)	Base Product Number	NCP45560
Output Type	N-Channel		

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NCP45560IMNTWG-H

Product Attribute				
Part Number	NCP45560IMNTWG-H	NCP45525IMNTWG-H	NCP456RFCCT2G	NCP45525IMNTWG-L
Manufacturer	onsemi	onsemi	onsemi	onsemi
Supplier Device Package	12-DFN (3x3)	8-DFN (2x2)	6-WLCSP (1.25x0.85)	8-DFN (2x2)
Rds On (Typ)	3.2mOhm	18mOhm	24mOhm	18mOhm
Series	ecoSWITCH™	ecoSWITCH™	-	ecoSWITCH™
Interface	On/Off	On/Off	On/Off	On/Off
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	Not Required	3V ~ 5.5V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Number of Outputs	1	1	1	1
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	NCP45560	NCP45525	NCP456	NCP45525
Package / Case	12-VDFDN Exposed Pad	8-VDFDN Exposed Pad	6-UFBGA, WLCSP	8-VDFDN Exposed Pad
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Output Configuration	High Side	High Side	High Side	High Side
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Features	Power Good, Slew Rate Controlled	Slew Rate Controlled	-	Slew Rate Controlled
Current - Output (Max)	17A	6A	2A	6A
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Ratio - Input:Output	1:1	1:1	1:1	1:1
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Voltage - Load	0.5V ~ 13.5V	0.5V ~ 13.5V	0.75V ~ 5.5V	0.5V ~ 13.5V
Fault Protection	Over Temperature, UVLO	-	-	-

### NCP45560IMNTWG-H Datasheet PDF

Download NCP45560IMNTWG-H pdf datasheets and onsemi documentation for NCP45560IMNTWG-H - onsemi.

#### Datasheets

[NCP45560.pdf](#)

#### Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

[Material Declaration NCP45560IMNTWG-H.pdf](#)

## HTML Datasheet

 NCP45560.pdf

## PCN Assembly/Origin

 Mult Dev A/Mat Chg 6/May/2021.pdf

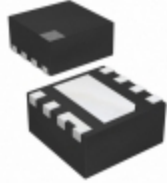

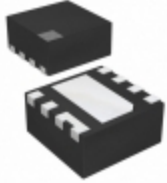
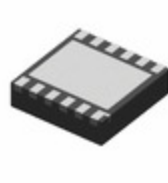
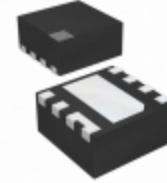



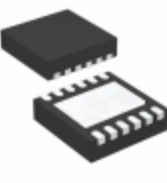
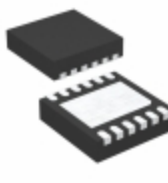





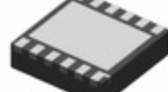
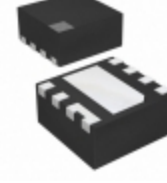

## PCN Design/Specification

 NCP455 Datasheet Rev 19/Feb/2020.pdf

 NCP45540/NCP45541/NCP45560 12/Jun/2018.pdf

## Customers Also Interested in

### Recommended Products

					
<b>NCP45525IMNTWG-H</b>	<b>NCP456RFCCT2G</b>	<b>NCP45525IMNTWG-L</b>	<b>NCP45540IMNTWG-L</b>	<b>NCP45524IMNTWG-L</b>	<b>NCP45750IMN24TWG</b>
onsemi IC PWR SWITCH N-CHAN 1:1 8DFN	onsemi IC PWR SWITCH N-CHAN 1:1 6WLCSP	onsemi IC PWR SWITCH N-CHAN 1:1 8DFN	onsemi IC PWR SWITCH N-CHAN 1:1 12DFN	onsemi IC PWR SWITCH N-CHAN 1:1 8DFN	onsemi 750 MCM
					
<b>NCP4586DMU33TCG</b>	<b>NCP45790IMN24RTWG</b>	<b>NCP45560IMNTWG-L</b>	<b>NCP45770IMN24TWG</b>	<b>NCP45760IMN24RTWG</b>	<b>NCP4586DMU25TCG</b>
onsemi IC REG LINEAR 3.3V 150MA 4UDFN	onsemi SOLITUDE 790 MCM	onsemi IC PWR SWITCH N-CHAN 1:1 12DFN	onsemi 770 MCM	onsemi 760 MCM	onsemi IC REG LINEAR 2.5V 150MA 4UDFN
					
<b>NCP4586DMU30TCG</b>	<b>NCP45541IMNTWG-H</b>	<b>NCP45560IMNTWG</b>	<b>NCP45540IMNTWG-H</b>	<b>NCP45524IMNTWG-H</b>	<b>NCP4586DMU18TCG</b>
onsemi IC REG LINEAR 3V 150MA 4UDFN	onsemi IC PWR SWITCH N-CHAN 1:1 12DFN	AMI Semiconductor/onsemi	onsemi IC PWR SWITCH N-CHAN 1:1 12DFN	onsemi IC PWR SWITCH N-CHAN 1:1 8DFN	onsemi IC REG LINEAR 1.8V 150MA 4UDFN

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -

-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone  
+00852 9146 4856
-  Email  
info@allelco.com

### Certifications & Memberships



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