

Image may be representation.  
See specifications for product details.



## NCP81151MNTBG

Manufacturer Part Number	<b>NCP81151MNTBG</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-NCP81151MNTBG
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC GATE DRVR HALF-BRIDGE 8DFN
Package	8-VDFDN Exposed Pad
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
	<b>NCP81151.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

NCP81151MNTBG - onsemi.New Original in Stock. Download Linear Technology NCP81151MNTBG datasheet/specifications on AllelcoElec.com.  
Request a quote for NCP81151MNTBG, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

NCP81151MNTBG Tech Specifications

NCP81151MNTBG - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Mounting Type	Surface Mount
Voltage - Supply	4.5V ~ 5.5V	Logic Voltage - VIL, VIH	0.6V, 3.3V
Supplier Device Package	8-DFN (2x2)	Input Type	Non-Inverting
Series	-	High Side Voltage - Max (Bootstrap)	40 V
Rise / Fall Time (Typ)	16ns, 11ns	Gate Type	N-Channel MOSFET
Package / Case	8-VDFDN Exposed Pad	Driven Configuration	Half-Bridge
Package	Tape & Reel (TR)	Current - Peak Output (Source, Sink)	-
Operating Temperature	-40°C ~ 150°C (TJ)	Channel Type	Synchronous
Number of Drivers	2	Base Product Number	NCP81151

## Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NCP81151MNTBG

Product Attribute				
Part Number	NCP81151MNTBG	NCP81161MNTWG	NCP81155MNTXG	NCP81145MNTBG
Manufacturer	onsemi	onsemi	onsemi	onsemi
Current - Peak Output (Source, Sink)	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Supply	4.5V ~ 5.5V	4.5V ~ 13.2V	4.5V ~ 13.2V	4.5V ~ 5.5V
Number of Drivers	2	2	2	2
Supplier Device Package	8-DFN (2x2)	8-DFN (2x2)	8-DFN (3x3)	8-DFN (2x2)
Driven Configuration	Half-Bridge	Half-Bridge	Half-Bridge	Half-Bridge
Channel Type	Synchronous	Synchronous	Synchronous	Synchronous
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Operating Temperature	-40°C ~ 150°C (TJ)	0°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Logic Voltage - VIL, VIH	0.6V, 3.3V	1V, 2V	1V, 2V	0.6V, 3.3V
Series	-	-	-	-
High Side Voltage - Max (Bootstrap)	40 V	35 V	-	35 V
Base Product Number	NCP81151	NCP81161	NCP81155	NCP81145
Rise / Fall Time (Typ)	16ns, 11ns	16ns, 11ns	16ns, 11ns	16ns, 11ns
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Gate Type	N-Channel MOSFET	N-Channel MOSFET	N-Channel MOSFET	N-Channel MOSFET
Package / Case	8-VDFDN Exposed Pad	8-VDFDN Exposed Pad	8-VDFDN Exposed Pad	8-VDFDN Exposed Pad

## NCP81151MNTBG Datasheet PDF

Download NCP81151MNTBG pdf datasheets and onsemi documentation for NCP81151MNTBG - onsemi.

### Datasheets

Cylindrical Battery Holders.pdf

### Environmental Information

onsemi RoHS.pdf

onsemi REACH.pdf

Material Declaration NCP81151MNTBG.pdf

### PCN Packaging

2.73KHz.pdf

### PCN Assembly/Origin

2.73KHz.pdf

### PCN Design/Specification

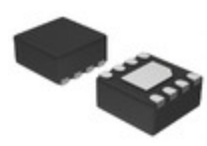
Cylindrical Battery Holders.pdf

### HTML Datasheet

NCP81151.pdf

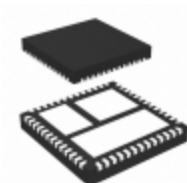
### Customers Also Interested in

#### Recommended Products



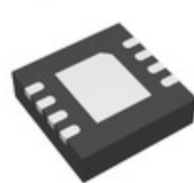
**NCP81161MNTWG**

onsemi  
IC GATE DRVR HALF-BRIDGE 8DFN



**NCP81149MNTXG**

onsemi  
IC REG CONV PENTIUM 1OUT 48QFN



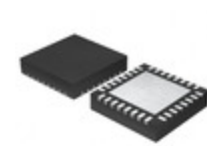
**NCP81155MNTXG**

onsemi  
IC GATE DRVR HALF-BRIDGE 8DFN



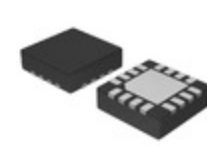
**NCP81145MNTBG**

onsemi  
IC GATE DRVR HALF-BRIDGE 8DFN



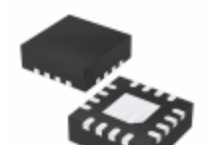
**NCP81142MNTXG**

onsemi  
IC REG CTRLR VR12.5 1OUT 32WQFN



**NCP81162MNR2G**

onsemi  
IC CURRENT MONITOR 16QFN



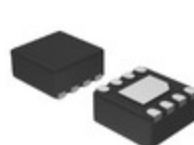
**NCP81147MNTXG**

onsemi  
IC REG CTRLR BUCK 16QFN



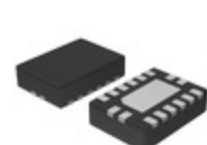
**NCP81158MNTXG**

onsemi  
IC GATE DRVR HALF-BRIDGE 8DFN



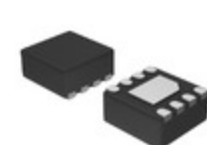
**NCP81146MNTBG**

onsemi  
IC GATE DRVR HALF-BRIDGE 8DFN



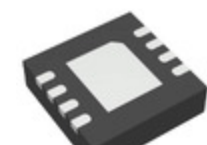
**NCP81152MNTWG**

onsemi  
IC GATE DRVR HALF-BRIDGE 16QFN



**NCP81151BMNTBG**

onsemi  
IC GATE DRVR HALF-BRIDGE 8DFN



**NCP81158DMNTXG**

onsemi  
IC GATE DRVR HALF-BRIDGE 8DFN



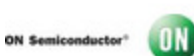
**NCP81151AMNTBG**

AMI Semiconductor/onsemi



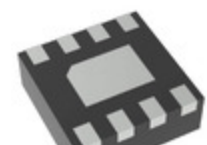
**NCP81151MNTAG**

onsemi  
IC GATE DRVR HALF-BRIDGE 8DFN



**NCP81162**

AMI Semiconductor/onsemi



**NCP81161MNTBG**

onsemi  
IC GATE DRVR HALF-BRIDGE 8DFN



**NCP81151AMATBG**

AMI Semiconductor/onsemi



**NCP81141**

AMI Semiconductor/onsemi

### 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

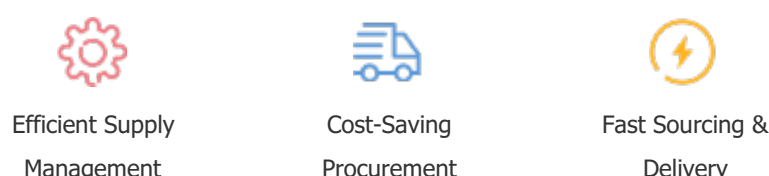
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

### 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 -



Contact us if you have any questions.



### Certifications & Memberships



View More

