

Image may be representation.
See specifications for product details.



NCV70517MW002R2G

Manufacturer Part Number	NCV70517MW002R2G
Manufacturer	onsemi
Allelco Part Number	32D-NCV70517MW002R2G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MOTOR DRIVER BIPO 32QFN
Package	32-VFQFN Exposed Pad
Data sheet	NCV70517.pdf NCV70517.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

NCV70517MW002R2G - onsemi.New Original in Stock. Download Linear Technology NCV70517MW002R2G datasheet/specifications on AllelcoElec.com.
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Specifications

NCV70517MW002R2G Tech Specifications
NCV70517MW002R2G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-40°C ~ 145°C (TJ)
Voltage - Supply	6V ~ 29V	Mounting Type	Surface Mount, Wettable Flank
Voltage - Load	0V ~ 5.5V	Motor Type - Stepper	Bipolar
Technology	Power MOSFET	Motor Type - AC, DC	-
Supplier Device Package	32-QFNW (5x5)	Interface	SPI, Step/Direction
Step Resolution	1 ~ 1/16	Function	Driver - Fully Integrated, Control and Power Stage
Series	Automotive, AEC-Q100	Current - Output	-
Package / Case	32-VFQFN Exposed Pad	Base Product Number	NCV70517
Package	Tape & Reel (TR)	Applications	Automotive, Industrial, Medical
Output Configuration	Half Bridge (4)		

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NCV70517MW002R2G

Product Attribute				
Part Number	NCV70517MW002R2G	NCV70624DW010R2G	NCV70628MW001R2G	NCV70521MN003G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Motor Type - Stepper	Bipolar	Bipolar	Bipolar	Bipolar
Applications	Automotive, Industrial, Medical	General Purpose	General Purpose	General Purpose
Supplier Device Package	32-QFNW (5x5)	20-SOIC	32-QFNW (5x5)	32-NQFP (7x7)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tray
Package / Case	32-VFQFN Exposed Pad	20-SOIC (0.295", 7.50mm Width)	32-VFQFN Exposed Pad	32-VQFN Exposed Pad
Function	Driver - Fully Integrated, Control and Power Stage	Driver - Fully Integrated, Control and Power Stage	Driver - Fully Integrated, Control and Power Stage	Driver - Fully Integrated, Control and Power Stage
Base Product Number	NCV70517	NCV70624	NCV70628	NCV70521
Motor Type - AC, DC	-	-	Brushed DC	-
Voltage - Supply	6V ~ 29V	6.5V ~ 29V	5.5V ~ 29V	4.75V ~ 5.25V
Output Configuration	Half Bridge (4)	Half Bridge (4)	Half Bridge (4)	Half Bridge (4)
Series	Automotive, AEC-Q100	-	-	-
Operating Temperature	-40°C ~ 145°C (TJ)	-40°C ~ 165°C (TJ)	-40°C ~ 145°C (TJ)	-40°C ~ 172°C (TJ)
Mounting Type	Surface Mount, Wettable Flank	Surface Mount	Surface Mount, Wettable Flank	Surface Mount
Current - Output	-	-	800mA, 1.1A	1.2A
Voltage - Load	0V ~ 5.5V	6.5V ~ 29V	-	6V ~ 30V
Technology	Power MOSFET	Power MOSFET	IGBT	Power MOSFET
Interface	SPI, Step/Direction	I ² C	LIN	SPI
Step Resolution	1 ~ 1/16	1/2, 1/4, 1/8, 1/16	1/2, 1/4, 1/8, 1/16	1 ~ 1/32

NCV70517MW002R2G Datasheet PDF

Download NCV70517MW002R2G pdf datasheets and onsemi documentation for NCV70517MW002R2G - onsemi.

Datasheets

[NCV70517.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)



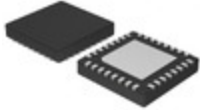
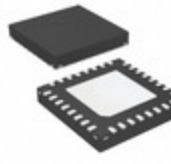


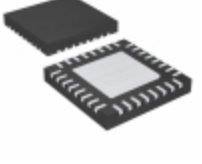
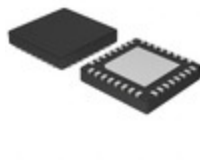
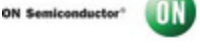

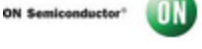




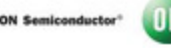

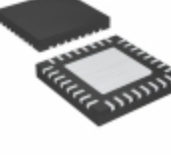
[onsemi RoHS.pdf](#)

PCN Assembly/Origin

HTML Datasheet

Customers Also Interested in

Recommended Products

 NCV70624DW010R2G onsemi IC MTR DRV BIPOLR 6.5-29V 20SOIC	 NCV663SQ33T1G onsemi IC REG LINEAR 3.3V 100MA SC82AB	 NCV70628MW001R2G onsemi LIN2.2 STEP. DRIVER	 NCV70521MN003G onsemi IC MTRDRV BIPLR 4.75-5.25V 32QFP	 NCV70521DQ0R2G AMI Semiconductor/onsemi	 NCV70627DQ001R2G onsemi IC MTR DRV BIPOLR 5.5-29V 36SSOP
 NCV70514MW003R2G onsemi IC STEPPER MOTOR DRIVER 32QFN	 NCV70627MW002R2G onsemi IC MTR DRVR BIPOLR 5.5-29V 32QFN	 NCV70522-3 AMI Semiconductor/onsemi	 NCV70522DQ004R2G onsemi IC MOTOR DRIVER BIPOLAR 36SSOP	 NCV6828NLT4G AMI Semiconductor/onsemi	 NCV663SQ50T1G onsemi IC REG LINEAR 5V 100MA SC82AB
 NCV663SQ30T1G onsemi IC REG LINEAR 3V 100MA SC82AB	 NCV70522DQ AMI Semiconductor/onsemi	 NCV70501DW002R2G onsemi IC MTR DRVR BIPOLAR 6-29V 16SOIC	 NCV70521-3 AMI Semiconductor/onsemi	 NCV663SQ25T1G onsemi IC REG LINEAR 2.5V 100MA SC82AB	 NCV70514MW007R2G onsemi C514B-COLD BOOST

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.



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Contact us if you have any questions.

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Certifications & Memberships



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