



Image may be representation.
See specifications for product details.



NCV7708FDQR2G

Manufacturer Part Number **NCV7708FDQR2G**

Manufacturer **onsemi**

Allelco Part Number **32D-NCV7708FDQR2G**

ECAD Model PCB Symbol, Footprint & 3D Mode

Parts Description **IC MOTOR DRVR 3.15V-5.25V 24SSOP**

Package **24-LSSOP (0.154", 3.90mm Width) Exposed Pad**

Data sheet **NCV7708F.pdf**

NCV7708F.pdf

RoHs Status **ROHS3 Compliant**

Get a Quote

NCV7708FDQR2G - onsemi.New Original in Stock. Download Linear Technology NCV7708FDQR2G datasheet/specifications on AllelcoElec.com.
Request a quote for NCV7708FDQR2G, please send us email: info@allelco.com

Specifications

NCV7708FDQR2G Tech Specifications

NCV7708FDQR2G - onsemi technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-------------------------|---|-----------------------|--|
| Manufacturer | onsemi | Operating Temperature | -40°C ~ 150°C (TJ) |
| Voltage - Supply | 3.15V ~ 5.25V | Mounting Type | Surface Mount |
| Voltage - Load | 5.5V ~ 28V | Motor Type - Stepper | - |
| Technology | Power MOSFET | Motor Type - AC, DC | Brushed DC |
| Supplier Device Package | 24-SSOP-EP | Interface | SPI |
| Step Resolution | - | Function | Driver - Fully Integrated, Control and Power Stage |
| Series | - | Current - Output | 500mA |
| Package / Case | 24-LSSOP (0.154", 3.90mm Width) Exposed Pad | Base Product Number | NCV7708 |
| Package | Tape & Reel (TR) | Applications | DC Motors, General Purpose |
| Output Configuration | Half Bridge (6) | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NCV7708FDQR2G

| Product Attribute | | | | |
|-------------------------|--|--|--|--|
| Part Number | NCV7708FDQR2G | NCV7718BDQR2G | NCV7710DQR2G | NCV7720DQR2G |
| Manufacturer | onsemi | onsemi | onsemi | onsemi |
| Operating Temperature | -40°C ~ 150°C (TJ) | -40°C ~ 125°C (TJ) | -40°C ~ 150°C (TJ) | -40°C ~ 150°C (TJ) |
| Supplier Device Package | 24-SSOP-EP | 24-SSOP-EP | 36-SSOP | 24-SSOP-EP |
| Output Configuration | Half Bridge (6) | Half Bridge (6) | Half Bridge (2) | Half Bridge (10) |
| Series | - | Automotive, AEC-Q100 | - | Automotive, AEC-Q100 |
| Interface | SPI | SPI | SPI | SPI |
| Voltage - Load | 5.5V ~ 28V | 5.5V ~ 28V | 8V ~ 18V | 5.5V ~ 28V |
| Applications | DC Motors, General Purpose | General Purpose | Automotive | General Purpose |
| Package | Tape & Reel (TR) | Tape & Reel (TR) | Tape & Reel (TR) | Tape & Reel (TR) |
| Motor Type - AC, DC | Brushed DC | Brushed DC | Brushed DC | - |
| Package / Case | 24-LSSOP (0.154", 3.90mm Width) Exposed Pad | 24-LSSOP (0.154", 3.90mm Width) Exposed Pad | 36-BFSOP (0.295", 7.50mm Width) Exposed Pad | 24-LSSOP (0.154", 3.90mm Width) Exposed Pad |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| 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 |
| Motor Type - Stepper | - | - | - | - |
| Step Resolution | - | - | - | - |
| Technology | Power MOSFET | Power MOSFET | Power MOSFET | Power MOSFET |
| Base Product Number | NCV7708 | NCV7718 | NCV7710 | NCV7720 |
| Current - Output | 500mA | 550mA | 10A | 550mA |
| Voltage - Supply | 3.15V ~ 5.25V | 3.15V ~ 5.25V | 4.5V ~ 5.25V | 3.15V ~ 5.25V |

NCV7708FDQR2G Datasheet PDF

Download NCV7708FDQR2G pdf datasheets and onsemi documentation for NCV7708FDQR2G - onsemi.

Datasheets

[NCV7708F.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

[Material Declaration NCV7708FDQR2G.pdf](#)







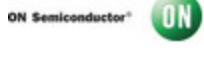





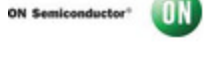





PCN Obsolescence/ EOL

HTML Datasheet

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

| | | | | | |
|--|--|--|--|--|--|
|  NCV7708BDWR AMI Semiconductor/onsemi |  NCV7718BDQR2G onsemi IC MOTOR DRVR 3.15V-5.25V 24SSOP |  NCV7710DQR2G onsemi IC MOTOR DRVR 4.5V-5.25V 36SSOP |  NCV7720DQAR2G onsemi IC MOTOR DRIVER 24SSOP |  NCV7719DQAR2G onsemi IC MOTOR DRIVER 24SSOP |  NCV7708BDR2G AMI Semiconductor/onsemi |
|  NCV7718DPR2G onsemi IC MOTOR DRVR 3.15V-5.25V 24SSOP |  NCV7708BDWR2G onsemi IC DRIVER HALF BRIDGE HEX 28SOIC |  NCV7707DQBR2G onsemi IC DRIVER HALF BRIDGE 36SSOP |  NCV7708CDWR2G onsemi IC MOTOR DRIVER 3V-5.25V 28SOIC |  NCV7708FDWR2G onsemi AUTOMOTIVE DRIVER |  NCV7708EDWR2G onsemi IC HALF BRIDGE DRIVER DUAL 28SOI |
|  NCV7707DQB-600TG AMI Semiconductor/onsemi |  NCV7707DQR2G onsemi IC DRIVER HALF BRIDGE HEX |  NCV7720DQR2G onsemi IC MOTOR DRVR 3.15V-5.25V 24SSOP |  NCV7708BDW AMI Semiconductor/onsemi |  NCV7719DQR2G onsemi IC MOTOR DRVR 3.15V-5.25V 24SSOP |  NCV7718CDPR2G onsemi IC MOTOR DRIVER 24SSOP |

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:
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