



Image may be representation.
See specifications for product details.



VNQ7050AJTR

Manufacturer Part Number	VNQ7050AJTR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VNQ7050AJTR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC PWR DRVR N-CHAN 1:1 PWRSSO16
Package	16-PowerLFSOP (0.154", 3.90mm Width)
Data sheet	VNQ7050AJ.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

VNQ7050AJTR - STMicroelectronics.New Original in Stock. Download Linear Technology VNQ7050AJTR datasheet/specifications on AllelcoElec.com.
Request a quote for VNQ7050AJTR, please send us email: info@allelco.com

Specifications

VNQ7050AJTR Tech Specifications

VNQ7050AJTR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Output Configuration	High Side
Voltage - Supply (Vcc/Vdd)	Not Required	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Load	4V ~ 28V	Number of Outputs	4
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	PowerSSO-16	Interface	Parallel
Series	-	Input Type	Non-Inverting
Rds On (Typ)	50mOhm	Features	Auto Restart, Status Flag
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO
Package / Case	16-PowerLFSOP (0.154", 3.90mm Width)	Current - Output (Max)	21A
Package	Tape & Reel (TR)	Base Product Number	VNQ7050
Output Type	N-Channel		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VNQ7050AJTR

Product Attribute				
Part Number	VNQ7050AJTR	VNQ7040AYTR-E	VNQ7040AYTR	VNQ810
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Interface	Parallel	Parallel	Parallel	On/Off
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Features	Auto Restart, Status Flag	Status Flag	Status Flag	Auto Restart, Status Flag
Supplier Device Package	PowerSSO-16	PowerSSO-36 EPD	PowerSSO-36 EPD	28-SO
Rds On (Typ)	50mOhm	40mOhm	40mOhm	160mOhm (Max)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	VNQ7050	VNQ7040	VNQ7040	VNQ810
Package / Case	16-PowerLFSOP (0.154", 3.90mm Width)	36-PowerBFSOP (0.295", 7.50mm Width)	36-PowerBFSOP (0.295", 7.50mm Width)	28-SOIC (0.295", 7.50mm Width)
Output Configuration	High Side	High Side	High Side	High Side
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tube
Ratio - Input:Output	1:1	1:1	1:1	1:1
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Voltage - Load	4V ~ 28V	4V ~ 28V	4V ~ 28V	5.5V ~ 36V
Current - Output (Max)	21A	24A	24A	3.5A
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Number of Outputs	4	4	4	4
Series	-	Automotive, AEC-Q100, VIPOWER™	Automotive, AEC-Q100, VIPOWER™	-

VNQ7050AJTR Datasheet PDF

Download VNQ7050AJTR pdf datasheets and STMicroelectronics documentation for VNQ7050AJTR - STMicroelectronics.

PCN Packaging

[Box Label Chg 28/Jul/2016.pdf](#)

[Material Barrier Bag 17/Dec/2020.pdf](#)

PCN Assembly/Origin

[2.73KHz.pdf](#)

PCN Design/Specification

 Pkg Cavity ID Add 9/Mar/2017.pdf

HTML Datasheet

 VNQ7050AJ.pdf

Customers Also Interested in

Recommended Products



VNQ7040AYTR-E

STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO36



VNQ7040AYTR

STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO36



VNQ810

STMicroelectronics
IC PWR DRIVER N-CHANNEL 1:1
28SO



VNQ660SP

STMicroelectronics
IC PWR DRIVER N-CHAN 1:1
PWRSSO10



VNQ7140AJTR

STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO16



VNQ660SP-E

STMicroelectronics
IC PWR DRIVER N-CHAN 1:1
PWRSSO10



VNQ7E100AJTR

STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO16



VNQ690SP13TR

STMicroelectronics
IC PWR DRIVER N-CHAN 1:1
PWRSSO10



VNQ660SPTR-E

STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO10



VNQ7050AJ-E

STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO16



VNQ810M13TR

STMicroelectronics
IC PWR DRIVER N-CHANNEL 1:1
28SO



VNQ7140AJ-E

STMicroelectronics
IC PWR DRIVER N-CHAN 1:1
PWRSSO16



VNQ6040STR-E

STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO36



VNQ810P-E

STMicroelectronics
IC PWR DRIVER N-CHANNEL 1:1
28SO



VNQ7140AJTR-E

STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO16



VNQ810M

STMicroelectronics
IC PWR DRIVER N-CHANNEL 1:1
28SO



VNQ81013TR

STMicroelectronics
IC PWR DRIVER N-CHANNEL 1:1
28SO



VNQ690SPTR-E

STMicroelectronics
IC PWR DRIVER N-CHAN 1:1
PWRSSO10

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
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 Email
info@allelco.com

Certifications & Memberships



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