



Image may be representation.
See specifications for product details.



VNQ5E050MKTR-E

Manufacturer Part Number	VNQ5E050MKTR-E
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VNQ5E050MKTR-E
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC PWR DRVR N-CHAN 1:1 PWRSSO24
Package	24-SOP (0.295", 7.50mm Width) Exposed Pad
Data sheet	VNQ5E050MK-E.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

VNQ5E050MKTR-E - STMicroelectronics.New Original in Stock. Download Linear Technology VNQ5E050MKTR-E datasheet/specifications on AllelcoElec.com. Request a quote for VNQ5E050MKTR-E, please send us email: info@allelco.com

Specifications

VNQ5E050MKTR-E Tech Specifications

VNQ5E050MKTR-E - 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	4.5V ~ 28V	Number of Outputs	4
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	PowerSSO-24™	Interface	On/Off
Series	VIPower™	Input Type	Non-Inverting
Rds On (Typ)	50mOhm (Max)	Features	Auto Restart
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage
Package / Case	24-SOP (0.295", 7.50mm Width) Exposed Pad	Current - Output (Max)	19A
Package	Tape & Reel (TR)	Base Product Number	VNQ5E050
Output Type	N-Channel		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VNQ5E050MKTR-E

Product Attribute				
Part Number	VNQ5E050MKTR-E	VNQ5E160MKTR-E	VNQ5E160KTR-E	VNQ5E050MK-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Interface	On/Off	On/Off	On/Off	On/Off
Current - Output (Max)	19A	7A	7A	19A
Ratio - Input:Output	1:1	1:1	1:1	1:1
Base Product Number	VNQ5E050	VNQ5E160	VNQ5E160	VNQ5E050
Features	Auto Restart	Auto Restart	Auto Restart	Auto Restart
Series	VIPower™	VIPower™	VIPower™	VIPower™
Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage	Current Limiting (Fixed), Over Temperature, Over Voltage	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	Current Limiting (Fixed), Over Temperature, Over Voltage
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Number of Outputs	4	4	4	4
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tube
Output Configuration	High Side	High Side	High Side	High Side
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Rds On (Typ)	50mOhm (Max)	160mOhm (Max)	160mOhm (Max)	50mOhm (Max)
Supplier Device Package	PowerSSO-24™	PowerSSO-24	PowerSSO-24™	PowerSSO-24
Voltage - Load	4.5V ~ 28V	4.5V ~ 28V	4.5V ~ 28V	4.5V ~ 28V
Package / Case	24-SOP (0.295", 7.50mm Width) Exposed Pad	24-PowerBSOP (0.295", 7.50mm Width)	24-SOP (0.295", 7.50mm Width) Exposed Pad	24-PowerBSOP (0.295", 7.50mm Width)
Output Type	N-Channel	N-Channel	N-Channel	N-Channel

VNQ5E050MKTR-E Datasheet PDF

Download VNQ5E050MKTR-E pdf datasheets and STMicroelectronics documentation for VNQ5E050MKTR-E - STMicroelectronics.

PCN Packaging

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


PCN Assembly/Origin

[Mult Dev Assembly Chg 18/Oct/2019.pdf](#)

PCN Obsolescence/ EOL

 VNDx/VNQx/L99LDx obs 23/Sep/2022.pdf

HTML Datasheet

 VNQ5E050MK-E.pdf

Customers Also Interested in

Recommended Products



VNQ5E160MKTR-E

STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO24



VNQ5E050MK

STMicroelectronics



VNQ5E160KTR-E

STMicroelectronics
IC PWR SWITCH N-CHAN 1:1
PWRSSO24



VNQ5E050AKTR

STMicroelectronics



VNQ5E050MK-E

STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO24



VNQ5E250AJ

STMicroelectronics



VNQ5E050K-E

STMicroelectronics
IC PWR SWITCH N-CHAN 1:1
PWRSSO24



VNQ5E160AK

STMicroelectronics



VNQ5E050AKTR-E

STMicroelectronics
IC PWR SWITCH N-CHAN 1:1
PWRSSO24



VNQ5E160AKTR-E

STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO24



VNQ5E050K

STMicroelectronics



VNQ5E050AK-E

STMicroelectronics
IC PWR SWITCH N-CHAN 1:1
PWRSSO24



VNQ5E160K-E

STMicroelectronics
IC PWR SWITCH N-CHAN 1:1
PWRSSO24



VNQ5E050AK

STMicroelectronics



VNQ5E160K

STMicroelectronics



VNQ5E160AK-E

STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO24



VNQ5160K

STMicroelectronics



VNQ5E050KTR-E

STMicroelectronics
IC PWR SWITCH N-CHAN 1:1
PWRSSO24

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



View More

