



Image may be representation.  
See specifications for product details.



## VND5E050MJTR-E

Manufacturer Part Number	<b>VND5E050MJTR-E</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-VND5E050MJTR-E
ECAD Model	Request Free CAD Models
Parts Description	IC PWR SWITCH N-CHAN 1:1 PWRSSO12
Package	12-PowerLSOP (0.154", 3.90mm Width)
Data sheet	<b>VND5E050Mx-E.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

VND5E050MJTR-E - STMicroelectronics.New Original in Stock. Download Linear Technology VND5E050MJTR-E datasheet/specifications on AllelcoElec.com.  
Request a quote for VND5E050MJTR-E, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

VND5E050MJTR-E Tech Specifications

VND5E050MJTR-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	2
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	PowerSSO-12™	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	12-PowerLSOP (0.154", 3.90mm Width)	Current - Output (Max)	19A
Package	Tape & Reel (TR)	Base Product Number	VND5E050
Output Type	N-Channel		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VND5E050MJTR-E

Product Attribute				
Part Number	VND5E050MJTR-E	<b>VND5E160ASOTR-E</b>	<b>VND5E050MKTR-E</b>	<b>VND5E050JTR-E</b>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	VND5E050	VND5E160	VND5E050	VND5E050
Ratio - Input:Output	1:1	1:1	1:1	1:1
Current - Output (Max)	19A	7A	19A	19A
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	Current Limiting (Fixed), Over Temperature, Over Voltage	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Rds On (Typ)	50mOhm (Max)	160mOhm	50mOhm (Max)	50mOhm (Max)
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Series	VIPower™	VIPower™	VIPower™	VIPower™
Supplier Device Package	PowerSSO-12™	16-SO	PowerSSO-24	PowerSSO-12™
Number of Outputs	2	2	2	2
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Load	4.5V ~ 28V	4.5V ~ 28V	4.5V ~ 28V	4.5V ~ 28V
Interface	On/Off	On/Off	On/Off	On/Off
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Output Configuration	High Side	High Side	High Side	High Side
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Package / Case	12-PowerLSOP (0.154", 3.90mm Width)	16-SOIC (0.295", 7.50mm Width)	24-PowerBSOP (0.295", 7.50mm Width)	12-PowerLSOP (0.154", 3.90mm Width)
Features	Auto Restart	Auto Restart	Auto Restart	Auto Restart

### VND5E050MJTR-E Datasheet PDF

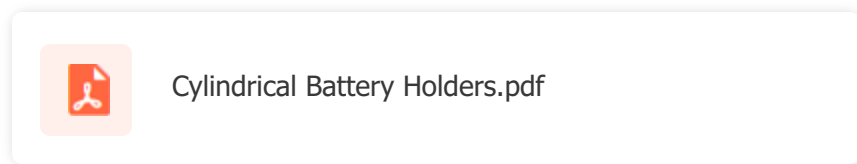
Download VND5E050MJTR-E pdf datasheets and STMicroelectronics documentation for VND5E050MJTR-E - STMicroelectronics.

#### PCN Packaging

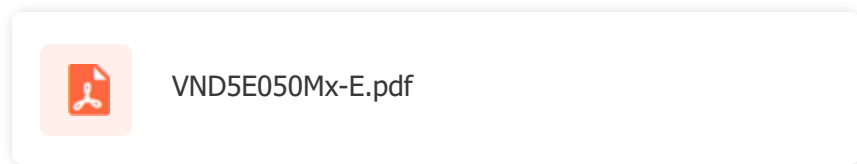
2.73KHz.pdf

#### PCN Design/Specification

Pkg Cavity ID Add 9/Mar/2017.pdf



HTML Datasheet



Customers Also Interested in

Recommended Products

<b>VND5E160ASOTR-E</b> STMicroelectronics IC PWR DRIVER N-CHANNEL 1:1 16SO	<b>VND5E050MKTR-E</b> STMicroelectronics IC PWR SWITCH N-CHAN 1:1 PWRSSO24	<b>VND5E050AK</b> STMicroelectronics	<b>VND5E050JTR-E</b> STMicroelectronics IC PWR SWITCH N-CHAN 1:1 PWRSSO12	<b>VND5E050ASOTR-E</b> STMicroelectronics IC PWR DRIVER N-CHANNEL 1:1 16SO	<b>VND5E160AJTR-E</b> STMicroelectronics IC PWR SWITCH N-CHAN 1:1 PWRSSO12
<b>VND5E050MCKTR-E</b> STMicroelectronics IC PWR DRV N-CHAN 1:1 PWRSSO24	<b>VND5E160JTR-E</b> STMicroelectronics IC PWR SWITCH N-CHAN 1:1 PWRSSO12	<b>VND5E160AJTR</b> STMicroelectronics	<b>VND5E050KTR-E</b> STMicroelectronics IC PWR SWITCH N-CHAN 1:1 PWRSSO24	<b>VND5E050K</b> STMicroelectronics	<b>VND5E050AJTR-E</b> STMicroelectronics IC PWR SWITCH N-CHAN 1:1 PWRSSO12
<b>VND5E050AK-E</b> STMicroelectronics IC PWR SWITCH N-CHAN 1:1 PWRSSO24	<b>VND5E050MCJTR-E</b> STMicroelectronics IC PWR DRV N-CHAN 1:1 PWRSSO12	<b>VND5E050MK</b> STMicroelectronics	<b>VND5E160J</b> STMicroelectronics	<b>VND5E160MJTR-E</b> STMicroelectronics IC PWR SWITCH N-CHAN 1:1 PWRSSO12	<b>VND5E050AKTR-E</b> 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
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Contact us if you have any questions.

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Certifications & Memberships



View More

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