

Image may be representation.
See specifications for product details.



VND5050AJ-E

Manufacturer Part Number	VND5050AJ-E
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VND5050AJ-E
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC PWR DRVR N-CHAN 1:1 PWRSSO12
Package	PowerSSO-12
Data sheet	VND5050A(J,K)-E.pdf
RoHs Status	ROHS3 Compliant

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VND5050AJ-E - STMicroelectronics.New Original in Stock. Download Linear Technology VND5050AJ-E datasheet/specifications on AllelcoElec.com.
Request a quote for VND5050AJ-E, please send us email: info@allelco.com

Specifications

VND5050AJ-E Tech Specifications

VND5050AJ-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 ~ 36V	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	PowerSSO-12	Current - Output (Max)	12A
Package	Tube	Base Product Number	VND5050
Output Type	N-Channel		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VND5050AJ-E

Product Attribute				
Part Number	VND5050AJ-E	VND5025BKTR-E	VND5050AKTR-E	VND5050AK-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package / Case	PowerSSO-12	24-PowerBSOP (0.295", 7.50mm Width)	24-SOP (0.295", 7.50mm Width) Exposed Pad	PowerSSO-24
Interface	On/Off	Logic	On/Off	On/Off
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tray
Ratio - Input:Output	1:1	1:1	1:1	1:1
Voltage - Supply (Vcc/Vdd)	Not Required	4.5V ~ 36V	Not Required	Not Required
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage	Current Limiting (Adjustable), Over Temperature, Reverse Battery, Short Circuit, UVLO	Current Limiting (Fixed), Over Temperature, Over Voltage	Current Limiting (Fixed), Over Temperature, Over Voltage
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
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)	25mOhm (Max)	50mOhm (Max)	50mOhm (Max)
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Voltage - Load	4.5V ~ 36V	4.5V ~ 36V	4.5V ~ 36V	4.5V ~ 36V
Current - Output (Max)	12A	43A	12A	12A
Features	Auto Restart	-	Auto Restart	Auto Restart
Output Configuration	High Side	High Side	High Side	High Side
Base Product Number	VND5050	-	VND5050	VND5050
Series	VIPower™	Automotive, AEC-Q100	VIPower™	VIPower™
Supplier Device Package	PowerSSO-12™	PowerSSO-24	PowerSSO-24™	PowerSSO-24™
Number of Outputs	2	2	2	2

VND5050AJ-E Datasheet PDF

Download VND5050AJ-E pdf datasheets and STMicroelectronics documentation for VND5050AJ-E - STMicroelectronics.

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

APG/15/9380 07/Sep/2015.pdf

PCN Obsolescence/ EOL

Mult Dev OBS 31/Aug/2021.pdf

PCN Assembly/Origin

Mult Dev Assembly Chg 18/Oct/2019.pdf

PCN Design/Specification

Pkg Cavity ID Add 9/Mar/2017.pdf


















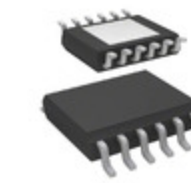
Mult Dev Wire Conversion 17/Mar/2021.pdf

HTML Datasheet

VND5050A(J,K)-E.pdf

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VND5050K STMicroelectronics	VND5025BKTR-E STMicroelectronics LINEAR IC'S	VND5025B1 STMicroelectronics	VND5025B2 STMicroelectronics	VND5025BK STMicroelectronics	VND5050AKTR STMicroelectronics
					
VND5050AKTR-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO24	VND5050AJTR STMicroelectronics	VND5025BKTR STMicroelectronics	VND5050AK-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO24	VND5025LAKTR-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO24	VND5050K-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO24
					
VND5050AJTR-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO12	VND5025LBKTR-E STMicroelectronics	VND5025TR-E STMicroelectronics	VND5050AK STMicroelectronics	VND5025LAK-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO24	VND5050JTR-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO12

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

Contact us

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