



Image may be representation.
See specifications for product details.



VND5160AJTR-E

Manufacturer Part Number	VND5160AJTR-E
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VND5160AJTR-E
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC PWR DRVR N-CHAN 1:1 PWRSSO12
Package	12-PowerLSOP (0.154", 3.90mm Width)
Data sheet	VND5160AJ-E.pdf
RoHs Status	ROHS3 Compliant

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VND5160AJTR-E - STMicroelectronics.New Original in Stock. Download Linear Technology VND5160AJTR-E datasheet/specifications on AllelcoElec.com.
Request a quote for VND5160AJTR-E, please send us email: info@allelco.com

Specifications

VND5160AJTR-E Tech Specifications

VND5160AJTR-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)	160mOhm (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)	3.8A
Package	Tape & Reel (TR)	Base Product Number	VND5160
Output Type	N-Channel		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VND5160AJTR-E

Product Attribute				
Part Number	VND5160AJTR-E	VND5050AKTR-E	VND5160J-E	VND5050KTR-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Output Configuration	High Side	High Side	High Side	High Side
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Output (Max)	3.8A	12A	3.5A	12A
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Package / Case	12-PowerLSOP (0.154", 3.90mm Width)	24-SOP (0.295", 7.50mm Width) Exposed Pad	PowerSSO-12	24-SOP (0.295", 7.50mm Width) Exposed Pad
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), Open Load Detect, Over Temperature, Over Voltage
Ratio - Input:Output	1:1	1:1	1:1	1:1
Features	Auto Restart	Auto Restart	Auto Restart, Status Flag	Auto Restart, Status Flag
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Supplier Device Package	PowerSSO-12™	PowerSSO-24™	PowerSSO-12™	PowerSSO-24™
Rds On (Typ)	160mOhm (Max)	50mOhm (Max)	160mOhm (Max)	50mOhm (Max)
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Series	VIPower™	VIPower™	VIPower™	VIPower™
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Base Product Number	VND5160	VND5050	VND5160	VND5050
Voltage - Load	4.5V ~ 36V	4.5V ~ 36V	4.5V ~ 36V	4.5V ~ 36V
Number of Outputs	2	2	2	2
Interface	On/Off	On/Off	On/Off	On/Off

VND5160AJTR-E Datasheet PDF

Download VND5160AJTR-E pdf datasheets and STMicroelectronics documentation for VND5160AJTR-E - STMicroelectronics.

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

Mult Dev Label Chgs 29/Oct/2020.pdf


















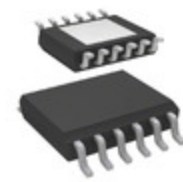
PCN Assembly/Origin

PCN Other

HTML Datasheet

Customers Also Interested in

Recommended Products

					
VND5050AKTR-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO24	VND5160AJTR STMicroelectronics	VND5160J-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO12	VND5E008AY STMicroelectronics	VND5050KTR-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO24	VND5160JTR-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO12
					
VND5050K-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO24	VND5160JTR-65-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO12	VND5E004ATR-E STMicroelectronics IC PWR SWITCH N-CHAN 1:1 24PQFN	VND5160JTR STMicroelectronics	VND5050AKTR STMicroelectronics	VND5050JTR-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO12
					
VND5E006A STMicroelectronics	VND5050K STMicroelectronics	VND5E006ASP-E STMicroelectronics IC PWR DRIVER N-CHAN 1:1 PWRSSO16	VND5050JTR STMicroelectronics	VND5E006ASPTR-E STMicroelectronics IC PWR SWITCH N-CHAN 1:1 PWRSSO16	VND5160AJ-E STMicroelectronics IC PWR DRVR 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

Contact us if you have any questions.

-  Phone
+00852 9146 4856
-  Email
info@allelco.com

Certifications & Memberships



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