



Image may be representation.  
See specifications for product details.



## VNI4140K-32

Manufacturer Part Number	<b>VNI4140K-32</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-VNI4140K-32
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC PWR DRVR N-CHAN 1:1 PWRSSO24
Package	24-PowerBSOP (0.295", 7.50mm Width)
Data sheet	<b><a href="#">VNI4140K-32 Datasheet.pdf</a></b>
RoHs Status	<b>ROHS3 Compliant</b>

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VNI4140K-32 - STMicroelectronics.New Original in Stock. Download Linear Technology VNI4140K-32 datasheet/specifications on AllelcoElec.com.  
Request a quote for VNI4140K-32, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

VNI4140K-32 Tech Specifications

VNI4140K-32 - 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 ~ 125°C (TJ)
Voltage - Load	10.5V ~ 36V	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)	80mOhm (Max)	Features	Status Flag
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Over Temperature
Package / Case	24-PowerBSOP (0.295", 7.50mm Width)	Current - Output (Max)	1A
Package	Tube	Base Product Number	VNI4140
Output Type	N-Channel		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VNI4140K-32

Product Attribute				
Part Number	VNI4140K-32	PI5PD2069WEX	MIC2026A-1YM-TR	VNI8200XPTR
Manufacturer	STMicroelectronics	Diodes Incorporated	Microchip Technology	STMicroelectronics
Output Configuration	High Side	High Side	High Side	High Side
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	-
Interface	On/Off	On/Off	On/Off	SPI
Number of Outputs	4	1	2	8
Ratio - Input:Output	1:1	1:1	1:2	1:1
Rds On (Typ)	80mOhm (Max)	70mOhm	100mOhm	110mOhm
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 105°C (TJ)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TJ)
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Voltage - Load	10.5V ~ 36V	2.7V ~ 5.5V	2.7V ~ 5.5V	10.5V ~ 36V
Current - Output (Max)	1A	2.1A	1.25A	700mA
Base Product Number	VNI4140	PI5PD2069	MIC2026	VNI8200
Features	Status Flag	-	Slew Rate Controlled, Status Flag	Power Good, Status Flag
Series	VIPower™	-	-	VIPower™
Switch Type	General Purpose	USB Switch	General Purpose	General Purpose
Supplier Device Package	PowerSSO-24	8-SOIC	8-SOIC	PowerSSO-36 EPD
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	24-PowerBSOP (0.295", 7.50mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	36-PowerFSOP (0.295", 7.50mm Width)
Fault Protection	Current Limiting (Fixed), Over Temperature	Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO	Current Limiting (Fixed), Over Temperature, UVLO	Current Limiting (Fixed), Over Temperature, Over Voltage
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

### VNI4140K-32 Datasheet PDF

Download VNI4140K-32 pdf datasheets and STMicroelectronics documentation for VNI4140K-32 - STMicroelectronics.

#### Datasheets







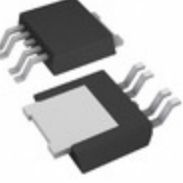



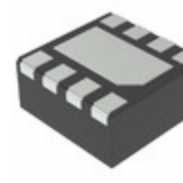







VNI4140K-32 Datasheet.pdf

#### PCN Packaging

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 <b>PI5PD2069WEX</b> Diodes Incorporated IC PWR SWITCH N-CHAN 1:1 8SOIC	 <b>MIC2026A-1YM-TR</b> Microchip Technology IC PWR SWITCH N-CHAN 1:2 8SOIC	 <b>VNI8200XPTR</b> STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO36	 <b>AP2822GKTR-G1</b> Diodes Incorporated IC PWR SWITCH N-CHAN 1:1 SOT23-5	 <b>MAX1693EUB+</b> Analog Devices Inc./Maxim Integrated IC PWR SWITCH P-CHAN 1:1 10UMAX	 <b>VNI4140KTR</b> STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO24
 <b>BTS3256DAUMA1</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 TO252-5	 <b>MIC2505-2YM-TR</b> Microchip Technology IC PWR SWITCH N-CHAN 1:1 8SOIC	 <b>VNI2140JTR</b> STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO12	 <b>VNI4140KTR-32</b> STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO24	 <b>TPS22965NQWDSGTQ1</b> Texas Instruments IC PWR SWITCH N-CHAN 1:1 8WSON	 <b>MIC2545A-1YTS</b> Microchip Technology IC PWR SWITCH N-CHAN 1:1 14TSSOP
 <b>BTS5012SDA</b> Infineon Technologies BTS5012 - PROFET - SMART HIGH SI	 <b>VNI4140K</b> STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO24	 <b>AP2161DSG-13</b> Diodes Incorporated IC PWR SWITCH P-CHANNEL 1:1 8SO	 <b>AUIPS2041LTR</b> Infineon Technologies IC PWR SWITCH N-CHAN 1:1 SOT223	 <b>FPF2107</b> onsemi IC PWR SWITCH P-CHAN 1:1 SOT23-5	 <b>VNI2140J</b> 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
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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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