

Image may be representation.
See specifications for product details.



VN7040ASTR

Manufacturer Part Number	VN7040ASTR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VN7040ASTR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC PWR DRIVER N-CHANNEL 1:1 8SO
Package	8-SOIC (0.154', 3.90mm Width)
Data sheet	VN7040ASTR.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

VN7040ASTR - STMicroelectronics.New Original in Stock. Download Linear Technology VN7040ASTR datasheet/specifications on AllelcoElec.com.
Request a quote for VN7040ASTR, please send us email: info@allelco.com

Specifications

VN7040ASTR Tech Specifications

VN7040ASTR - 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	4V ~ 28V	Number of Outputs	1
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	8-SOIC	Interface	On/Off
Series	VIPower™	Input Type	Non-Inverting
Rds On (Typ)	40mOhm	Features	Auto Restart, Status Flag
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO
Package / Case	8-SOIC (0.154', 3.90mm Width)	Current - Output (Max)	24A
Package	Tape & Reel (TR)	Base Product Number	VN7040
Output Type	N-Channel		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VN7040ASTR

Product Attribute				
Part Number	VN7040ASTR	VN7050AJTR-E	VN7050ASTR	VN7016AJTR-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Ratio - Input:Output	1:1	1:1	1:1	1:1
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Package / Case	8-SOIC (0.154', 3.90mm Width)	16-PowerLFSOP (0.154", 3.90mm Width)	8-SOIC (0.154', 3.90mm Width)	16-PowerLFSOP (0.154', 3.90mm Width)
Base Product Number	VN7040	VN7050	VN7050	VN7016
Interface	On/Off	On/Off	On/Off	On/Off
Voltage - Load	4V ~ 28V	4V ~ 28V	4V ~ 28V	4V ~ 28V
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Output Configuration	High Side	High Side	High Side	High Side
Rds On (Typ)	40mOhm	50mOhm	50mOhm	16mOhm
Number of Outputs	1	1	1	1
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Current - Output (Max)	24A	21A	21A	55A
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Supplier Device Package	8-SOIC	PowerSSO-16	8-SOIC	PowerSSO-16
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Features	Auto Restart, Status Flag	Auto Restart, Status Flag	Auto Restart, Status Flag	Auto Restart, Status Flag
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Series	VIPower™	VIPower™	VIPower™	VIPower™

VN7040ASTR Datasheet PDF

Download VN7040ASTR pdf datasheets and STMicroelectronics documentation for VN7040ASTR - STMicroelectronics.

PCN Packaging

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

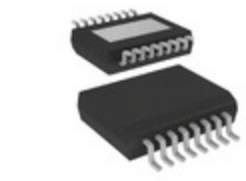
[Mult Dev Label Chgs 29/Oct/2020.pdf](#)

PCN Assembly/Origin

[2.73KHz.pdf](#)

Customers Also Interested in

Recommended Products



VN7050AJTR-E

STMicroelectronics
IC PWR DRV N-CHAN 1:1
PWRSSO16



VN7020AJ

STMicroelectronics



VN7050ASTR

STMicroelectronics
IC PWR DRIVER N-CHANNEL 1:1 8SO



VN7016AJTR-E

STMicroelectronics
IC PWR DRV N-CHAN 1:1
PWRSSO16



VN7016AJEPTR

STMicroelectronics
IC PWR DRV N-CHAN 1:1
PWRSSO16



VN7140ASTR

STMicroelectronics
IC PWR DRIVER N-CHANNEL 1:1 8SO



VN7050AJTR

STMicroelectronics
IC PWR DRV N-CHAN 1:1
PWRSSO16



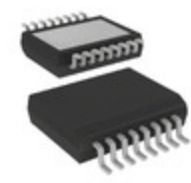
VN7140AJTR-E

STMicroelectronics
IC PWR DRV N-CHAN 1:1
PWRSSO16



VN7010AJTR-E

STMicroelectronics
IC PWR DRV N-CHAN 1:1
PWRSSO16



VN7016AJTR

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IC PWR DRV N-CHAN 1:1
PWRSSO16



VN7020AJTR-E

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IC PWR DRV N-CHAN 1:1
PWRSSO16



VN7140AJTR

STMicroelectronics
IC PWR DRV N-CHAN 1:1
PWRSSO16



VN7040AJTR

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IC PWR DRV N-CHAN 1:1
PWRSSO16



VN7020AJTR

STMicroelectronics
IC PWR DRV N-CHAN 1:1
PWRSSO16



VN7016A

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VN7040AJTR-E

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IC PWR DRV N-CHAN 1:1
PWRSSO16



VN7140ASTR-E

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IC PWR DRIVER N-CHANNEL 1:1 8SO



VN7040ASTR-E

STMicroelectronics
IC PWR DRIVER N-CHANNEL 1:1 8SO

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

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Email

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Certifications & Memberships



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