

Image may be representation.
See specifications for product details.



POWERSTEP01TR

Manufacturer Part Number	POWERSTEP01TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-POWERSTEP01TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MTR DRV BIPLR 3.3/5V 89VFQFPN
Package	89-PowerVQFN
Data sheet	POWERSTEP01TR.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

POWERSTEP01TR - STMicroelectronics.New Original in Stock. Download Linear Technology POWERSTEP01TR datasheet/specifications on AllelcoElec.com.
Request a quote for POWERSTEP01TR, please send us email: info@allelco.com

Specifications

POWERSTEP01TR Tech Specifications

POWERSTEP01TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Supply	3.3V, 5V	Mounting Type	Surface Mount
Voltage - Load	85V (Max)	Motor Type - Stepper	Bipolar
Technology	Power MOSFET	Motor Type - AC, DC	-
Supplier Device Package	89-VFQFPN (11x14)	Interface	SPI
Step Resolution	1 ~ 1/128	Function	Driver - Fully Integrated, Control and Power Stage
Series	POWERSTEP	Current - Output	10A
Package / Case	89-PowerVQFN	Base Product Number	POWERSTEP01
Package	Tape & Reel (TR)	Applications	General Purpose
Output Configuration	Half Bridge (4)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics POWERSTEP01TR

Product Attribute				
Part Number	POWERSTEP01TR	POWERSTEP01	POWR1208-01TN44E	POWER-22E
Manufacturer	STMicroelectronics	STMicroelectronics	Lattice Semiconductor	XK
Applications	General Purpose	General Purpose	-	-
Motor Type - AC, DC	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	-	-
Output Configuration	Half Bridge (4)	Half Bridge (4)	-	-
Package	Tape & Reel (TR)	Tray	-	-
Package / Case	89-PowerVQFN	89-PowerVQFN	-	-
Base Product Number	POWERSTEP01	POWERSTEP01	-	-
Step Resolution	1 ~ 1/128	1 ~ 1/128	-	-
Voltage - Supply	3.3V, 5V	3.3V, 5V	-	-
Interface	SPI	SPI	-	-
Voltage - Load	85V (Max)	85V (Max)	-	-
Motor Type - Stepper	Bipolar	Bipolar	-	-
Current - Output	10A	10A	-	-
Function	Driver - Fully Integrated, Control and Power Stage	Driver - Fully Integrated, Control and Power Stage	-	-
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-	-
Supplier Device Package	89-VFQFPN (11x14)	89-VFQFPN (11x14)	-	-
Series	POWERSTEP	POWERSTEP	-	-
Technology	Power MOSFET	Power MOSFET	-	-

POWERSTEP01TR Datasheet PDF

Download POWERSTEP01TR pdf datasheets and STMicroelectronics documentation for POWERSTEP01TR - STMicroelectronics.

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

PCN Assembly/Origin

Final Test Site Add 7/Feb/2017.pdf

Customers Also Interested in

Recommended Products



POWR1208-01TN44E
Lattice Semiconductor

POWER-22E
XK



POWR1014A-01TN48E
Lattice Semiconductor



POWR1220AT8-01TN100I
Lattice Semiconductor



POWR1208-01TN44I
Lattice Semiconductor



POWER-22D
XK



POWR1220AT8-01T100I
Lattice Semiconductor

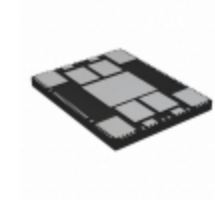
POW04F-3GTE2
LAPIS Technology



POWR1208-01T44I
Lattice Semiconductor



POWR1208P1-01TN44I
Lattice Semiconductor



POWERSTEP01
STMicroelectronics
IC MTR DRV BIPLR 3.3/5V 89VFQFPN



POWR1014-01TN48I
Lattice Semiconductor



POWR1014A-01TN48I
Lattice Semiconductor



POWR1208-01TN44I6R
Lattice Semiconductor



POWR1220RT8-01TN
Lattice Semiconductor



POWR1220AT801TN100I
Lattice Semiconductor



POWR1208P1-01T44I
Lattice Semiconductor



POWR1220AT8-01TN
Lattice Semiconductor

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

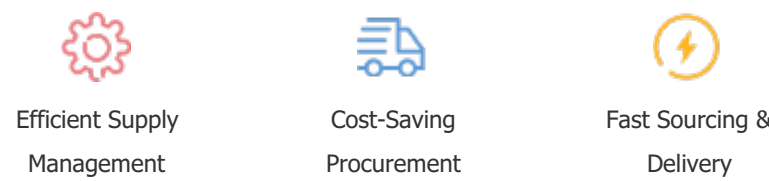
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

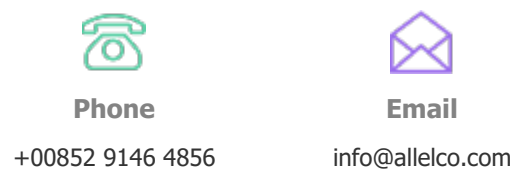
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



[View More](#)

Contact us

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