



Image may be representation.
See specifications for product details.



STSPIN840

Manufacturer Part Number	STSPIN840
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STSPIN840
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MOTOR DRIVER 7V-45V 24TQFPN
Package	24-TFQFN Exposed Pad
Data sheet	STSPIN840.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STSPIN840 - STMicroelectronics.New Original in Stock. Download Linear Technology STSPIN840 datasheet/specifications on AllelcoElec.com.
Request a quote for STSPIN840, please send us email: info@allelco.com

Specifications

STSPIN840 Tech Specifications

STSPIN840 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Supply	7V ~ 45V	Mounting Type	Surface Mount
Voltage - Load	48V (Max)	Motor Type - Stepper	-
Technology	Power MOSFET	Motor Type - AC, DC	Brushed DC
Supplier Device Package	24-TQFPN (4x4)	Interface	Logic
Step Resolution	-	Function	Driver - Fully Integrated, Control and Power Stage
Series	STSPIN8	Current - Output	1.5A
Package / Case	24-TFQFN Exposed Pad	Base Product Number	STSPIN840
Package	Tape & Reel (TR)	Applications	Industrial
Output Configuration	Half Bridge (4)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STSPIN840

Product Attribute				
Part Number	STSPIN840	STSPIN32G4	STSPIN820	STSPIN32G4TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Output	1.5A	1A	1.5A	1A
Voltage - Load	48V (Max)	-	-	-
Applications	Industrial	General Purpose	Industrial	General Purpose
Package	Tape & Reel (TR)	Tray	Tape & Reel (TR)	Tape & Reel (TR)
Series	STSPIN8	Automotive, AEC-Q100	STSPIN8	-
Supplier Device Package	24-TQFPN (4x4)	-	24-TQFPN (4x4)	64-VFQFPN (9x9)
Operating Temperature	-40°C ~ 150°C (TJ)	-	-40°C ~ 150°C (TJ)	-
Motor Type - AC, DC	Brushed DC	Brushless DC (BLDC)	-	Brushless DC (BLDC)
Package / Case	24-TFQFN Exposed Pad	-	24-TFQFN Exposed Pad	64-VFQFN Exposed Pad
Mounting Type	Surface Mount	-	Surface Mount	Surface Mount
Output Configuration	Half Bridge (4)	Half Bridge (3)	Half Bridge (4)	Half Bridge (3)
Voltage - Supply	7V ~ 45V	5.5V ~ 75V	7V ~ 45V	5.5V ~ 75V
Step Resolution	-	-	1 ~ 1/256	-
Motor Type - Stepper	-	Multiphase	Bipolar	Multiphase
Base Product Number	STSPIN840	STSPIN32	STSPIN820	-
Technology	Power MOSFET	Power MOSFET	Power MOSFET	NMOS
Function	Driver - Fully Integrated, Control and Power Stage	Driver - Fully Integrated, Control and Power Stage	Driver - Fully Integrated, Control and Power Stage	Driver - Fully Integrated, Control and Power Stage
Interface	Logic	I ² C, SPI, UART	Logic	CAN, I ² C, SPI, UART

STSPIN840 Datasheet PDF

Download STSPIN840 pdf datasheets and STMicroelectronics documentation for STSPIN840 - STMicroelectronics.

Datasheets

[STSPIN840.pdf](#)

PCN Packaging

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

Customers Also Interested in

Recommended Products



STSR2P
STMicroelectronics



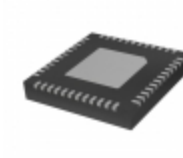
STSPIN32F0602
STMicroelectronics
600V THREE-PHASE CONTROLLER WITH



STSR3CD-TR
STMicroelectronics
IC GATE DRVR LOW-SIDE 850



STSR30
STMicroelectronics



STSPIN32F0ATR
STMicroelectronics
IC BLDC CTRL STM32 48V FQFPN



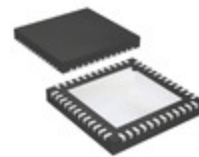
STSR2PCD
STMicroelectronics
IC GATE DRVR LOW-SIDE 850



STSR30D-TR
STMicroelectronics
IC GATE DRVR LOW-SIDE 850



STSPIN32G4
STMicroelectronics
3-PHASE BRUSHLESS MOTOR CONTROLL



STSPIN32F0TR
STMicroelectronics
IND & POWER CONV



STSPIN820
STMicroelectronics
IC MTR DRVR BIPLR 7-45V 24TFQFPN



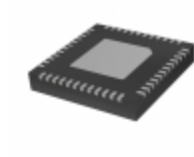
STSPIN32G4TR
STMicroelectronics
DISCRETE



STSR2PMCD-TR
STMicroelectronics
IC GATE DRVR LOW-SIDE 850



STSPIN830
STMicroelectronics
IC MTR DRV MULTPHS 7-45V 24TFQFPN



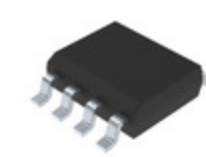
STSPIN32F0A
STMicroelectronics
IND. & POWER CONV.



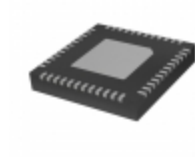
STSPIN32F0BTR
STMicroelectronics
ADVANCED SINGLE SHUNT BLDC CONTR



STSR2PCD-TR
STMicroelectronics
IC GATE DRVR LOW-SIDE 850



STSR30D
STMicroelectronics
IC GATE DRVR LOW-SIDE 850



STSPIN32F0B
STMicroelectronics
ADVANCED SINGLE SHUNT BLDC CONTR

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

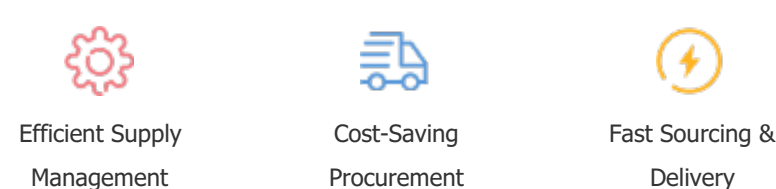
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

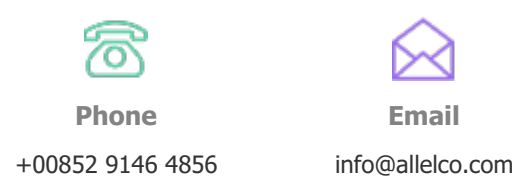
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



[View More](#)



Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com