

Image may be representation.
See specifications for product details.



AMIS30542C5421RG

Manufacturer Part Number **AMIS30542C5421RG**

Manufacturer **onsemi**

Allelco Part Number **32D-AMIS30542C5421RG**

ECAD Model Request Free CAD Models

Parts Description **IC MTRDRV BIPLR 4.75-5.25V 32QFP**

Package **32-VQFN Exposed Pad**

Data sheet **AMIS30542.pdf**

AMIS30542.pdf

RoHs Status **ROHS3 Compliant**

Get a Quote

AMIS30542C5421RG - onsemi.New Original in Stock. Download Linear Technology AMIS30542C5421RG datasheet/specifications on AllelcoElec.com.
Request a quote for AMIS30542C5421RG, please send us email: info@allelco.com

Specifications

AMIS30542C5421RG Tech Specifications

AMIS30542C5421RG - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-40°C ~ 172°C (TJ)
Voltage - Supply	4.75V ~ 5.25V	Mounting Type	Surface Mount
Voltage - Load	6V ~ 30V	Motor Type - Stepper	Bipolar
Technology	Power MOSFET	Motor Type - AC, DC	-
Supplier Device Package	32-NQFP (7x7)	Interface	SPI
Step Resolution	1 ~ 1/32	Function	Driver - Fully Integrated, Control and Power Stage
Series	-	Current - Output	2.2A
Package / Case	32-VQFN Exposed Pad	Base Product Number	AMIS30542
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 onsemi AMIS30542C5421RG

Product Attribute				
Part Number	AMIS30542C5421RG	AMIS30521C5212RG	AMIS30622C6228G	AMIS30543C5431RG
Manufacturer	onsemi	onsemi	onsemi	onsemi
Interface	SPI	SPI	I ² C	SPI
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
Package / Case	32-VQFN Exposed Pad	32-VQFN Exposed Pad	32-VQFN Exposed Pad	32-VQFN Exposed Pad
Motor Type - AC, DC	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply	4.75V ~ 5.25V	4.75V ~ 5.25V	6.5V ~ 29V	4.75V ~ 5.25V
Supplier Device Package	32-NQFP (7x7)	32-NQFP (7x7)	32-NQFP (7x7)	32-QFN (7x7)
Technology	Power MOSFET	Power MOSFET	-	Power MOSFET
Current - Output	2.2A	1.2A	570mA	40mA
Voltage - Load	6V ~ 30V	6V ~ 30V	6.5V ~ 29V	6V ~ 30V
Output Configuration	Half Bridge (4)	Half Bridge (4)	Half Bridge (4)	Half Bridge (4)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Series	-	-	-	-
Operating Temperature	-40°C ~ 172°C (TJ)	-40°C ~ 172°C (TJ)	-40°C ~ 165°C (TJ)	-40°C ~ 172°C (TJ)
Base Product Number	AMIS30542	AMIS30521	AMIS30622	AMIS30543
Step Resolution	1 ~ 1/32	1 ~ 1/32	-	1 ~ 1/128
Applications	General Purpose	General Purpose	General Purpose	General Purpose
Motor Type - Stepper	Bipolar	Bipolar	Bipolar	Bipolar

AMIS30542C5421RG Datasheet PDF

Download AMIS30542C5421RG pdf datasheets and onsemi documentation for AMIS30542C5421RG - onsemi.

Datasheets

AMIS30542.pdf

Environmental Information

onsemi REACH.pdf

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Material Declaration AMIS30542C5421RG.pdf


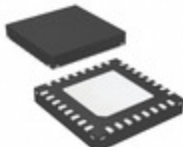

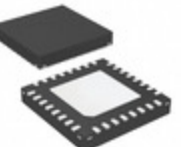

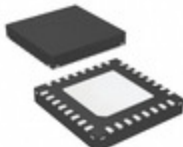






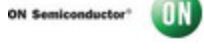

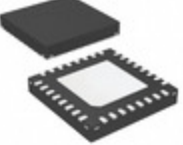
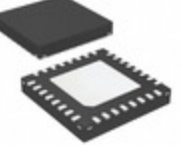


PCN Obsolescence/ EOL

HTML Datasheet

AMIS30542.pdf

Customers Also Interested in

Recommended Products

 AMIS30621PNA AMI Semiconductor/onsemi	 AMIS30521C5212RG onsemi IC MTRDRV BIPLR 4.75-5.25V 32QFP	 AMIS30600LINI1RG onsemi IC TRANSCEIVER HALF 1/1 8SOIC	 AMIS30622C6228G onsemi IC MTR DRV BIPLR 6.5-29V 32NQFP	 AMIS14948-503 AMI Semiconductor/onsemi	 AMIS30543C5431RG onsemi IC MTRDRV BIPLR 4.75-5.25V 32QFN
 AMIS15010-502 LG	 AMIS30512C5122G onsemi IC MTR DRV BIPOLAR 6-30V 24SOIC	 AMIS30512C5122RG onsemi IC MTR DRV BIPOLAR 6-30V 24SOIC	 AMIS30621C6213RG onsemi IC MTR DRV BIPOLR 6.5-29V 20SOIC	 AMIS30621C6217G onsemi IC MTR DRV BIPOLR 6.5-29V 20SOIC	 AMIS30600LINI1G onsemi IC TRANSCEIVER HALF 1/1 8SOIC
 AMIS0520LQUD AMI Semiconductor/onsemi	 AMIS30585C5852RG onsemi IC MODEM S-FSK HALFDUPLEX 28PLCC	 AMIS30621C6216RG onsemi IC MTR DRV BIPLR 6.5-29V 32NQFP	 AMIS30522C5222RG onsemi IC MTRDRV BIPLR 4.75-5.25V 32QFP	 AMIS30621C6217RG onsemi IC MTR DRV BIPOLR 6.5-29V 20SOIC	 AMIS11096A AMIS

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.



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Contact us if you have any questions.

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