

Image may be representation.
See specifications for product details.



LIS3DSH

Manufacturer Part Number	LIS3DSH
Manufacturer	STMicroelectronics
Allelco Part Number	32D-LIS3DSH
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	ACCEL 2-16G I2C/SPI 16LGA
Package	16-VFLGA
Data sheet	LIS3DSH.pdf
RoHs Status	ROHS3 Compliant

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LIS3DSH - STMicroelectronics.New Original in Stock. Download Linear Technology LIS3DSH datasheet/specifications on AllelcoElec.com.
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Specifications

LIS3DSH Tech Specifications

LIS3DSH - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Output Type	I ² C, SPI
Voltage - Supply	1.71V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Type	Digital	Mounting Type	Surface Mount
Supplier Device Package	16-LGA (3x3)	Features	Adjustable Bandwidth, Selectable Scale, Temperature Sensor
Series	-	Base Product Number	LIS3
Sensitivity (mV/g)	-	Bandwidth	1.56Hz ~ 800Hz
Sensitivity (LSB/g)	16666 (±2g) ~ 1369 (±16g)	Axis	X, Y, Z
Package / Case	16-VFLGA	Acceleration Range	±2g, 4g, 6g, 8g, 16g
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics LIS3DSH

Product Attribute				
Part Number	LIS3DSH	LIS3L02AQ3	LIS35DETR	LIS3L02AQ-TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Acceleration Range	±2g, 4g, 6g, 8g, 16g	±2g, 6g	±2.3g, 9.2g	±2g, 6g
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Bandwidth	1.56Hz ~ 800Hz	1.5kHz	50Hz ~ 200Hz	4kHz (X,Y), 2.5kHz (Z)
Output Type	I ² C, SPI	Analog Voltage	I ² C, SPI	Analog Voltage
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Features	Adjustable Bandwidth, Selectable Scale, Temperature Sensor	Adjustable Bandwidth, Selectable Low Pass Filter, Selectable Scale	Selectable Scale	Adjustable Bandwidth, Selectable Scale
Axis	X, Y, Z	X, Y, Z	X, Y, Z	X, Y, Z
Supplier Device Package	16-LGA (3x3)	44-QFN-EP (7x7)	14-LGA (3x5)	44-QFN-EP (7x7)
Type	Digital	Analog	Digital	Analog
Base Product Number	LIS3	LIS3	LIS35	LIS3
Package	Tray	Tray	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Supply	1.71V ~ 3.6V	2.4V ~ 3.6V	2.16V ~ 3.6V	2.4V ~ 3.6V
Series	-	-	-	-
Sensitivity (LSB/g)	16666 (±2g) ~ 1369 (±16g)	-	55 (±2.3g) ~ 13 (±9.2g)	-
Sensitivity (mV/g)	-	660 (±2g) ~ 220 (±6g)	-	660 (±2g) ~ 220 (±6g)
Package / Case	16-VFLGA	44-QFN	14-VFLGA	44-QFN

LIS3DSH Datasheet PDF

Download LIS3DSH pdf datasheets and STMicroelectronics documentation for LIS3DSH - STMicroelectronics.

Datasheets

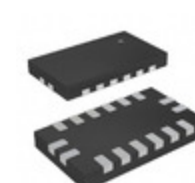
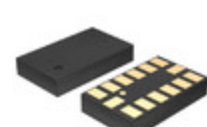
[LIS3DSH.pdf](#)


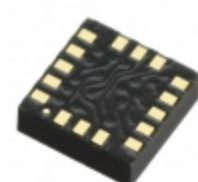

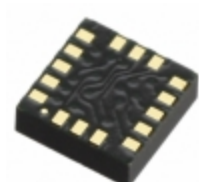
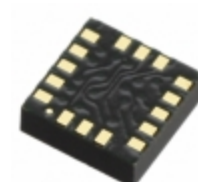
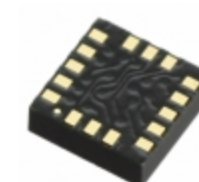

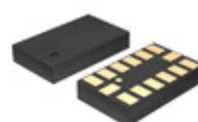
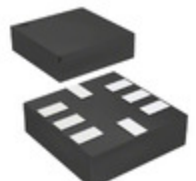

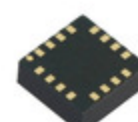
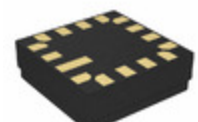
PCN Obsolescence/ EOL

[Cylindrical Battery Holders.pdf](#)

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Recommended Products



LIS3L02AQ3 STMicroelectronics ACCELEROMETER 2-6G ANALOG 44QFN	LIS35DETR STMicroelectronics ACCEL 2.3-9.2G I2C/SPI 14LGA	LIS3L02AQ-TR STMicroelectronics ACCELEROMETER 2-6G ANALOG 44QFN	LIS3L02AQ3TR STMicroelectronics ACCELEROMETER 2-6G ANALOG 44QFN	LIS355AL3TR STMicroelectronics	LIS3LV02DL STMicroelectronics ACCELEROMETER 2-6G I2C/SPI 16LGA
					
LIS3DFTR STMicroelectronics	LIS3DHTR STMicroelectronics ACCEL 2-16G I2C/SPI 16LGA	LIS3L02AL STMicroelectronics ACCELEROMETER 2G ANALOG 8LGA	LIS3DSHTR STMicroelectronics ACCEL 2-16G I2C/SPI 16LGA	LIS3DETR STMicroelectronics ACCEL 2-16G I2C/SPI 16LGA	LIS3DH STMicroelectronics ACCEL 2-16G I2C/SPI 16LGA
					
LIS3L02AQ STMicroelectronics ACCELEROMETER 2-6G ANALOG 44QFN	LIS35DE STMicroelectronics ACCEL 2.3-9.2G I2C/SPI 14LGA	LIS3L02ALTR STMicroelectronics ACCELEROMETER 2G ANALOG 8LGA	LIS34ALTR STMicroelectronics	LIS344ALTR STMicroelectronics ACCELEROMETER 3.5G ANALOG 16LGA	LIS3DHHTR STMicroelectronics ACCELEROMETER 2.5G SPI 16CCLGA

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

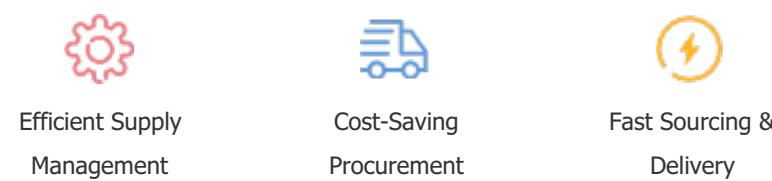
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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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