

Image may be representation.  
See specifications for product details.



## LSM9DS0TR

Manufacturer Part Number	<b>LSM9DS0TR</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-LSM9DS0TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IMU ACCEL/GYRO/MAG I2C/SPI 24LGA
Package	24-TFLGA Module
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

LSM9DS0TR - STMicroelectronics.New Original in Stock. Download Linear Technology LSM9DS0TR datasheet/specifications on AllelcoElec.com.  
Request a quote for LSM9DS0TR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

LSM9DS0TR Tech Specifications

LSM9DS0TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tape & Reel (TR)
Supplier Device Package	24-LGA (4x4)	Output Type	I <sup>2</sup> C, SPI
Series	iNEMO	Operating Temperature	-40°C ~ 85°C (TA)
Sensor Type	Accelerometer, Gyroscope, Magnetometer, Temperature, 9 Axis	Mounting Type	Surface Mount
Package / Case	24-TFLGA Module	Base Product Number	LSM9D

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics LSM9DS0TR

Product Attribute				
Part Number	LSM9DS0TR	LSM6DSOQTR	LSM6DSO32TR	LSM6DSOTR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Supplier Device Package	24-LGA (4x4)	14-LGA (2.5x3)	14-LGA (2.5x3)	14-LGA (2.5x3)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Base Product Number	LSM9D	LSM6	LSM6	LSM6
Output Type	I <sup>2</sup> C, SPI	I <sup>2</sup> C, SPI	I <sup>2</sup> C, SPI	I <sup>2</sup> C, SPI
Package / Case	24-TFLGA Module	14-VFLGA Module	14-VFLGA Module	14-VFLGA Module
Series	iNEMO	iNEMO	iNEMO	iNEMO
Sensor Type	Accelerometer, Gyroscope, Magnetometer, Temperature, 9 Axis	Accelerometer, Gyroscope, Temperature, 6 Axis	Accelerometer, Gyroscope, Temperature, 6 Axis	Accelerometer, Gyroscope, 6 Axis
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

### LSM9DS0TR Datasheet PDF

Download LSM9DS0TR pdf datasheets and STMicroelectronics documentation for LSM9DS0TR - STMicroelectronics.

#### Datasheets

[Cylindrical Battery Holders.pdf](#)

#### PCN Obsolescence/ EOL

[Cylindrical Battery Holders.pdf](#)

### Customers Also Interested in

#### Recommended Products

 <b>LSM845JE3</b> Microsemi Corporation DIODE SCHOTTKY 45V 8A DO214AB	 <b>LSM6DSOQTR</b> STMicroelectronics CONSUMER MEMS	 <b>LSM6DSO32TR</b> STMicroelectronics iNEMO INERTIAL MODULE: 3D ACCELE	 <b>LSM704-E</b> SPREADTRUM	 <b>LSM6DSOTR</b> STMicroelectronics CONSUMER MEMS	 <b>LSM6DSE</b> STM
 <b>LSM9DS1TR</b> STMicroelectronics IMU ACCEL/GYRO/MAG I2C/SPI 24LGA	 <b>LSM6DSMUSTR</b> STMicroelectronics iNEMO INERTIAL MODULE: 3D ACCELE	 <b>LSM6DSLUSTR</b> STMicroelectronics MOD SIP ACCEL/GYRO 3D 14LGA	 <b>LSM6DSO</b> STMicroelectronics	 <b>LSM6DSETR</b> STMicroelectronics	 <b>LSM6DSOW</b> STMicroelectronics

**LSM6DSRTR**STMicroelectronics  
INEMO INERTIAL MODULE: 3D  
ACCELE**LSM6DSLTR**STMicroelectronics  
IMU ACCEL/GYRO I2C/SPI 14LGA**LSM6DSL**

STMicroelectronics

**LSM6DSOXTR**STMicroelectronics  
INEMO INERTIAL MODULE: 3D  
ACCELE**LSM6DSOWTR**STMicroelectronics  
INEMO INERTIAL MODULE: 3D  
ACCELE**LSM6DSMTR**STMicroelectronics  
IMU ACCEL/GYRO I2C/SPI 14LGA**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

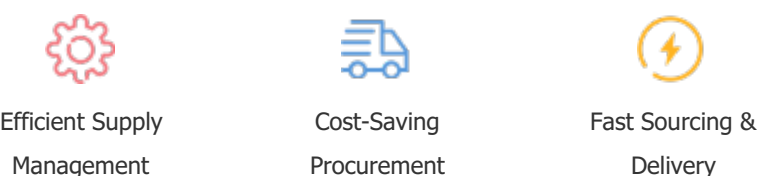
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

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.



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**Certifications & Memberships**

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