



## STA8089FGBD

Manufacturer Part Number	<b>STA8089FGBD</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STA8089FGBD
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	RF RX GNSS 1.561/1.575GHZ 56QFPN
Package	56-VFQFN Exposed Pad
Data sheet	<a href="#">STA8089FG.pdf</a>
RoHs Status	ROHS3 Compliant



Get a Quote

STA8089FGBD - STMicroelectronics.New Original in Stock. Download Linear Technology STA8089FGBD datasheet/specifications on AllelcoElec.com.

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## Specifications

STA8089FGBD Tech Specifications

STA8089FGBD - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Memory Size	256kB SRAM, 512kB ROM
Voltage - Supply	1.08V ~ 1.32V	Frequency	1.561GHz, 1.575GHz, 1.601GHz
Supplier Device Package	56-VFQFPN (7x7)	Features	-
Series	-	Data Rate (Max)	12Mbps
Sensitivity	-162dBm	Data Interface	I <sup>2</sup> C, SPI, UART
Package / Case	56-VFQFN Exposed Pad	Current - Receiving	-
Package	Tray	Base Product Number	STA8089
Operating Temperature	-40°C ~ 85°C (TA)	Applications	General Purpose
Mounting Type	Surface Mount	Antenna Connector	PCB, Surface Mount
Modulation or Protocol	BeiDou, Galileo, GLONASS, GNSS, GPS		

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STA8089FGBD

Product Attribute	NO PICTURE	life.augmented	life.augmented	life.augmented
Part Number	STA8089FGBD	STA8089FGBDTR	STA8088CFG	STA8089FGAD
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Frequency	1.561GHz, 1.575GHz, 1.601GHz	1.561GHz, 1.575GHz, 1.601GHz	-	1.561GHz, 1.575GHz, 1.601GHz
Modulation or Protocol	BeiDou, Galileo, GLONASS, GNSS, GPS	BeiDou, Galileo, GLONASS, GNSS, GPS	Galileo, GLONASS, GPS	BeiDou, Galileo, GLONASS, GNSS, GPS
Antenna Connector	PCB, Surface Mount	PCB, Surface Mount	-	PCB, Surface Mount
Memory Size	256kB SRAM, 512kB ROM	256kB SRAM, 512kB ROM	256kB SRAM	256kB SRAM, 512kB ROM
Supplier Device Package	56-VFQFPN (7x7)	56-VFQFPN (7x7)	77-WLCSP (4x4)	56-VFQFPN (7x7)
Sensitivity	-162dBm	-162dBm	-162dBm	-162dBm
Series	-	-	-	Automotive, AEC-Q100
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Data Rate (Max)	12Mbps	12Mbps	12Mbps	12Mbps
Applications	General Purpose	General Purpose	General Purpose	GPS Receiver
Package / Case	56-VFQFN Exposed Pad	56-VFQFN Exposed Pad	77-UFBGA, WLCSP	56-VFQFN Exposed Pad
Features	-	-	-	-
Package	Tray	Tape & Reel (TR)	Tray	Tray
Current - Receiving	-	-	-	-
Data Interface	I <sup>2</sup> C, SPI, UART	I <sup>2</sup> C, SPI, UART	I <sup>2</sup> C, UART, USB	I <sup>2</sup> C, SPI, UART, USB
Voltage - Supply	1.08V ~ 1.32V	1.08V ~ 1.32V	1.8V ~ 3.3V	1.08V ~ 1.32V
Base Product Number	STA8089	STA8089	STA8088	STA8089

## STA8089FGBD Datasheet PDF

Download STA8089FGBD pdf datasheets and STMicroelectronics documentation for STA8089FGBD - STMicroelectronics.

### PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf
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### HTML Datasheet

STA8089FG.pdf
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## Customers Also Interested in

### Recommended Products



**STA85013TR**  
STMicroelectronics



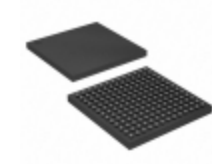
**STA8089FGBDTR**  
STMicroelectronics  
RF RX GNSS 1.561/1.575GHZ  
56QFPN



**STA8088CFG**  
STMicroelectronics  
RF RX GALILEO/GLONASS 77WLCSP



**STA8089FGAD**  
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**STA8088EXGA**  
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**STA8088GATR**  
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**STA8090FGB**  
STMicroelectronics  
RF RCVR BEIDOU/GALILEO 99TFBGA



**STA8089GA**  
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**STA850AE**  
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**STA8088CFGTR**  
STMicroelectronics  
RF RX GALILEO/GLONASS 77WLCSP



**STA8088FG**  
STMicroelectronics  
RF RX GPS/GNSS 1.575GHZ  
56VQFPN



**STA8089GATR**  
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AUTOMOTIVE GRADE  
GPS/GALILEO/GLO



**STA8100GA**  
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LINEAR IC'S



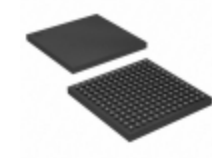
**STA8090FG**  
STMicroelectronics  
RF RCVR BEIDOU/GALILEO 99TFBGA



**STA8088GA**  
STMicroelectronics  
AUTOMOTIVE GRADE  
GPS/GALILEO/GLO



**STA8089FG**  
STMicroelectronics  
RF RX GNSS 1.561/1.575GHZ  
56QFPN



**STA8088EXG**  
STMicroelectronics  
RF RX GALILEO 1.575GHZ 169TFBGA



**STA8088TGATR**  
STMicroelectronics  
ADD INFOTAINMENT

## 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

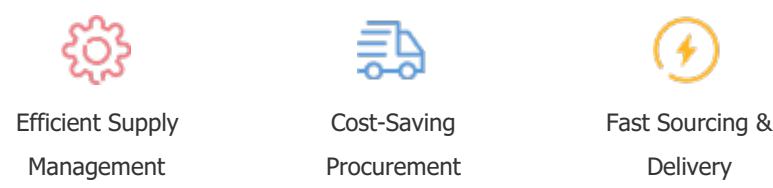
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

## 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



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