



STA8089FG

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


[Get a Quote](#)

STA8089FG - STMicroelectronics.New Original in Stock. Download Linear Technology STA8089FG datasheet/specifications on AllelcoElec.com.

Request a quote for STA8089FG, please send us email: info@allelco.com

Specifications





STA8089FG Tech Specifications

STA8089FG - 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 ² 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 STA8089FG

Product Attribute	 NO PICTURE	 life.augmented	 life.augmented	 life.augmented
Part Number	STA8089FG	STA8089FGBDTR	STA8088GA	STA8090FGB
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Applications	General Purpose	General Purpose	GPS Receiver	GPS Receiver
Features	-	-	-	-
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C
Base Product Number	STA8089	STA8089	STA8088	STA8090
Voltage - Supply	1.08V ~ 1.32V	1.08V ~ 1.32V	1.8V ~ 3.3V	1.08V ~ 1.32V
Package / Case	56-VFQFN Exposed Pad	56-VFQFN Exposed Pad	56-VFQFN Exposed Pad	99-TFBGA
Sensitivity	-162dBm	-162dBm	-162dBm	-162dBm
Frequency	1.561GHz, 1.575GHz, 1.601GHz	1.561GHz, 1.575GHz, 1.601GHz	-	-
Package	Tray	Tape & Reel (TR)	Tray	Tray
Memory Size	256kB SRAM, 512kB ROM	256kB SRAM, 512kB ROM	256kB SRAM	256kB SRAM
Supplier Device Package	56-VFQFPN (7x7)	56-VFQFPN (7x7)	56-VFQFPN (7x7)	99-TFBGA (5x6)
Current - Receiving	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	-	-	Automotive, AEC-Q100	-
Antenna Connector	PCB, Surface Mount	PCB, Surface Mount	-	PCB, Surface Mount
Modulation or Protocol	BeiDou, Galileo, GLONASS, GNSS, GPS	BeiDou, Galileo, GLONASS, GNSS, GPS	Galileo, GLONASS, GNSS, GPS	BeiDou, Galileo, Glonass, GPS
Data Rate (Max)	12Mbps	12Mbps	12Mbps	12Mbps
Data Interface	I ² C, SPI, UART	I ² C, SPI, UART	I ² C, UART, USB	I ² C, SPI, UART

STA8089FG Datasheet PDF

Download STA8089FG pdf datasheets and STMicroelectronics documentation for STA8089FG - STMicroelectronics.

PCN Packaging





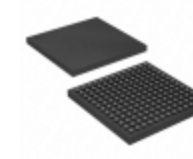







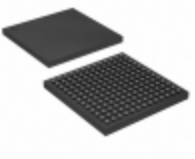





 Material Barrier Bag 17/Dec/2020.pdf

HTML Datasheet

 STA8089FG.pdf

Customers Also Interested in

Recommended Products

 life.augmented	 life.augmented	 life.augmented	 life.augmented		 life.augmented
STA8089FGBDTR STMicroelectronics RF RX GNSS 1.561/1.575GHZ 56QFPN	STA8088GA STMicroelectronics AUTOMOTIVE GRADE GPS/GALILEO/GLO	STA8090FGB STMicroelectronics RF RCVR BEIDOU/GALILEO 99TFBGA	STA8090FG STMicroelectronics RF RCVR BEIDOU/GALILEO 99TFBGA	STA8088EXGA STMicroelectronics RF RX GALILEO 1.575GHZ 169TFBGA	STA8088FG STMicroelectronics RF RX GPS/GNSS 1.575GHZ 56VFQFPN
 life.augmented	 life.augmented	 life.augmented	 life.augmented	 life.augmented	 life.augmented
STA8089FGBD STMicroelectronics RF RX GNSS 1.561/1.575GHZ 56QFPN	STA8088TGATR STMicroelectronics ADD INFOTAINMENT	STA8088CFG STMicroelectronics RF RX GALILEO/GLONASS 77WLCSP	STA8100GA STMicroelectronics LINEAR IC'S	STA8088 STMicroelectronics	STA8089GA STMicroelectronics AUTOMOTIVE GRADE GPS/GALILEO/GLO
	 life.augmented	 life.augmented	 life.augmented	 life.augmented	 life.augmented
STA8088EXG STMicroelectronics RF RX GALILEO 1.575GHZ 169TFBGA	STA8088CEXGTR STMicroelectronics RF RX GALILEO/GLONASS 77WLCSP	STA8089FGAD STMicroelectronics FULLY INTEGRATED GPS/GALILEO/GLO	STA8088GATR STMicroelectronics ADD INFOTAINMENT	STA8088CFGTR STMicroelectronics RF RX GALILEO/GLONASS 77WLCSP	STA8089GATR STMicroelectronics AUTOMOTIVE GRADE GPS/GALILEO/GLO

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 -

-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
+00852 9146 4856
-  Email
info@allelco.com

Certifications & Memberships



[View More](#)