



STA8089GATR

Manufacturer Part Number	STA8089GATR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STA8089GATR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	AUTOMOTIVE GRADE GPS/GALILEO/GLO
Package	56-VFQFN Exposed Pad
Data sheet	STA8089GAT.pdf STA8089GAT.pdf
RoHS Status	ROHS3 Compliant

Get a Quote

STA8089GATR - STMicroelectronics.New Original in Stock. Download Linear Technology STA8089GATR datasheet/specifications on AllelcoElec.com.
Request a quote for STA8089GATR, please send us email: info@allelco.com

Specifications

STA8089GATR Tech Specifications
STA8089GATR - 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	Automotive, AEC-Q100	Data Rate (Max)	12Mbps
Sensitivity	-162dBm	Data Interface	I ² C, SPI, UART, USB
Package / Case	56-VFQFN Exposed Pad	Current - Receiving	-
Package	Tape & Reel (TR)	Base Product Number	STA8089
Operating Temperature	-40°C ~ 85°C (TA)	Applications	GPS Receiver
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 STA8089GATR

Product Attribute	NO PICTURE	life.augmented		life.augmented
Part Number	STA8089GATR	STA8088GA	STA8088EXGA	STA8100GA
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Frequency	1.561GHz, 1.575GHz, 1.601GHz	-	1.575GHz	-
Supplier Device Package	56-VFQFPN (7x7)	56-VFQFPN (7x7)	169-TFBGA (9x9)	81-LFBGA (8x8)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C	-40°C ~ 125°C (TJ)
Base Product Number	STA8089	STA8088	STA8088	STA8100
Sensitivity	-162dBm	-162dBm	-162dBm	-
Package / Case	56-VFQFN Exposed Pad	56-VFQFN Exposed Pad	169-TFBGA	81-LFBGA
Antenna Connector	PCB, Surface Mount	-	-	Not Included
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Receiving	-	-	-	-
Data Rate (Max)	12Mbps	12Mbps	-	12Mbps
Voltage - Supply	1.08V ~ 1.32V	1.8V ~ 3.3V	1.8V ~ 3.3V	1.62V ~ 3.6V
Series	Automotive, AEC-Q100	Automotive, AEC-Q100	Automotive, AEC-Q100	Automotive, AEC-Q100
Package	Tape & Reel (TR)	Tray	Tray	Bulk
Memory Size	256kB SRAM, 512kB ROM	256kB SRAM	-	256kB SRAM
Modulation or Protocol	BeiDou, Galileo, GLONASS, GNSS, GPS	Galileo, GLONASS, GNSS, GPS	Galileo, GPS	BeiDou, Galileo, GLONASS, GNSS, GPS
Features	-	-	-	-
Applications	GPS Receiver	GPS Receiver	General Purpose	Automotive, GPS
Data Interface	I ² C, SPI, UART, USB	I ² C, UART, USB	I2C, SPI, UART, USB	GPIO, I ² C, SPI, UART

STA8089GATR Datasheet PDF

Download STA8089GATR pdf datasheets and STMicroelectronics documentation for STA8089GATR - STMicroelectronics.

Datasheets

[STA8089GAT.pdf](#)

PCN Packaging

[Material Barrier Bag 17/Dec/2020.pdf](#)

HTML Datasheet

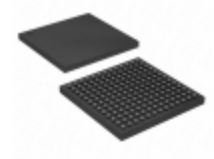
[STA8089GAT.pdf](#)

Customers Also Interested in

Recommended Products



STA8088GA
STMicroelectronics
AUTOMOTIVE GRADE
GPS/GALILEO/GLO



STA8088EXGA
STMicroelectronics
RF RX GALILEO 1.575GHZ 169TFBGA



STA8100GA
STMicroelectronics
LINEAR IC'S



STA8089FG
STMicroelectronics
RF RX GNSS 1.561/1.575GHZ
56QFPN



STA85513TR
STMicroelectronics



STA8089FGBD
STMicroelectronics
RF RX GNSS 1.561/1.575GHZ
56QFPN



STA8089FGAD
STMicroelectronics
FULLY INTEGRATED
GPS/GALILEO/GLO



STA8089GA
STMicroelectronics
AUTOMOTIVE GRADE
GPS/GALILEO/GLO



STA8088TGATR
STMicroelectronics
ADD INFOTAINMENT



STA8088FG
STMicroelectronics
RF RX GPS/GNSS 1.575GHZ
56VQFPN



STA8090FGB
STMicroelectronics
RF RCVR BEIDOU/GALILEO 99TFBGA



STA850PC
STMicroelectronics



STA850PE
STMicroelectronics



STA8088GATR
STMicroelectronics
ADD INFOTAINMENT



STA85013TR
STMicroelectronics



STA850AE
STMicroelectronics



STA8089FGBDTR
STMicroelectronics
RF RX GNSS 1.561/1.575GHZ
56QFPN



STA8090FG
STMicroelectronics
RF RCVR BEIDOU/GALILEO 99TFBGA

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

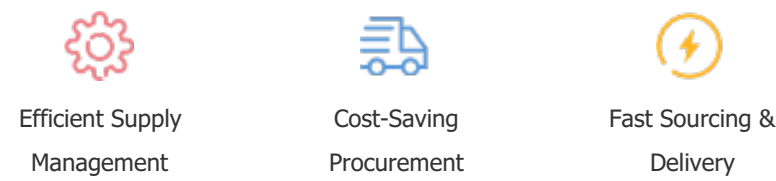
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

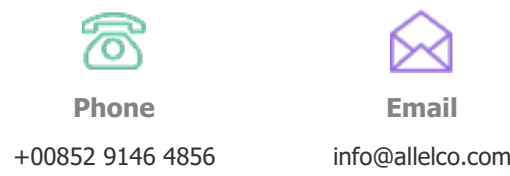
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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