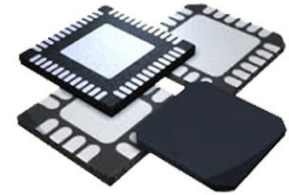



GPS Receiver 1.32V/1.89V/3.6V Automotive 56-Pin VFQFPN EP Tray



Images are for reference only

[Inquiry](#)

| | |
|----------------------|--|
| Manufacturer: | STMicroelectronics, Inc |
| Package/Case: | QFN |
| Product Type: | Discrete Semiconductor Modules |
| RoHS: | RoHS Compliant/Lead free  |
| Lifecycle: | Active |

General Description

STA8088GA is a single die standalone positioning receiver IC working on multiple constellations (GPS/Galileo/Glonass/QZSS).

The device is compliant with ST Automotive Grade which in addition to AEC-Q100 qualification includes a set of production flow methodology targeting zero defect per million.

STA8088GA, fulfilling high quality and service level Automotive market requirements, is the ideal solution for in-dash navigation and OEM telematic application.

The device is offered with a complete GNSS firmware which performs all GNSS operations including tracking, acquisition, navigation and data output.

Key Features

STMicroelectronics 3rd generation positioning receiver with 32 Tracking channels and 2 fast acquisition channels compatible with GPS, Galileo and Glonass systems

Embedded RF Front-End with separate GPS/Galileo/QZSS and Glonass IF outputs

Embedded low noise amplifier

Fast TTFF <1 s in Hot start and 35s in Cold Start

High performance ARM946 MCU (up to 208 MHz)

256 Kbyte embedded SRAM

Real Time Clock (RTC) circuit

32-bit Watch-dog timer

2 UARTs

1 I2C master/slave interface

Recommended For You

STA5620

STMicroelectronics, Inc
QFN

ST25RU3993-BQFT

STMicroelectronics, Inc
QFN48

ST25R95-VMD5T

STMicroelectronics, Inc
QFN32

STA8090FG

STMicroelectronics, Inc
BGA

ST95HF-VMD5T

STMicroelectronics, Inc
QFN32

ST25DV16K-JFR6D3

STMicroelectronics, Inc
12UFDFPN

ST25R3920-AQWT

STMicroelectronics, Inc
VFQFPN32

ST25DV04K-IER6C3

STMicroelectronics, Inc
DNF8

STA8089GA

STMicroelectronics, Inc
QFN

STA8088FG

STMicroelectronics, Inc
VFQFPN56

ST25DV04K-IER6S3

STMicroelectronics, Inc
SOP8

SMA661ASTR

STMicroelectronics, Inc
SOT666

ST25R3916-AQWT

STMicroelectronics, Inc
QFN32

STMB2WB55CGU7

STMicroelectronics, Inc
UFQFN48

ST25DV04K-JFR6D3

STMicroelectronics, Inc
DFPN-1