
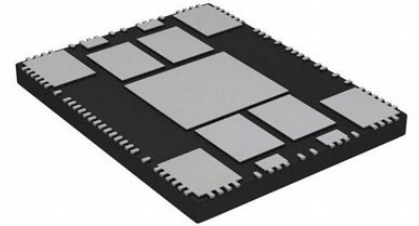


GPS Receiver 1.32V/1.89V/3.6V 56-Pin VFQFPN EP Tray

Manufacturer:	STMicroelectronics, Inc
Package/Case:	VFQFPN56
Product Type:	Discrete Semiconductor Modules
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

STA8088FG is a single die standalone positioning receiver IC working on multiple constellations (GPS/Galileo/Glonass/QZSS).

The minimum BOM make STA8088FG the ideal solution for low-cost and small footprint products such as handheld computers, cameras, data loggers, and sports accessories.

The device is offered with a complete GNSS firmware which performs all GNSS operations including tracking, acquisition, navigation and data output with no need of external memories

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 35 s in Cold Start

High performance ARM946 MCU (up to 208 MHz)

256 Kbyte embedded SRAM

In-Package SQI Flash Memory (16 Mbits)

Real Time Clock (RTC) circuit

32-bit Watch-dog timer

3 UARTs

Recommended For You

STA5620

STMicroelectronics, Inc
QFN

ST25RU3993-BQFT

STMicroelectronics, Inc
QFN48

ST25R95-VMD5T

STMicroelectronics, Inc
QFN32

STA8090FG

STMicroelectronics, Inc
BGA

STA8088GA

STMicroelectronics, Inc
QFN

ST95HF-VMD5T

STMicroelectronics, Inc
QFN32

ST25DV16K-JFR6D3

STMicroelectronics, Inc
12UFDFPN

ST25R3920-AQWT

STMicroelectronics, Inc
VFQFPN32

ST25DV04K-IER6C3

STMicroelectronics, Inc
DNF8

STA8089GA

STMicroelectronics, Inc
QFN

ST25DV04K-IER6S3

STMicroelectronics, Inc
SOP8

SMA661ASTR

STMicroelectronics, Inc
SOT666

ST25R3916-AQWT

STMicroelectronics, Inc
QFN32

STMB2WB55CGU7

STMicroelectronics, Inc
UFQFN48

ST25DV04K-JFR6D3

STMicroelectronics, Inc
DFPN-1