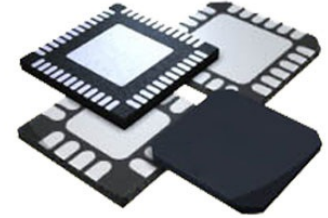



## GPS Receiver 1575.42MHz 32-Pin VFQFPN EP Tray



Images are for reference only

[Inquiry](#)

<b>Manufacturer:</b>	<a href="#">STMicroelectronics, Inc</a>
<b>Package/Case:</b>	QFN
<b>Product Type:</b>	Discrete Semiconductor Modules
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Obsolete

### General Description

The STA5630 is a fully integrated RF front-end able to down-convert either the GPS L1 signal from 1575.42 MHz to 4.092 MHz.

The STA5630 embeds high performance LNA minimizing external component count. The chip uses state of the art CMOS 65 nm technology.

A 3-bit ADC converts the IF signal to Sign (SIGN) and Magnitude (MAG0 and MAG1). The magnitude bits are internally integrated in order to control the variable gain amplifiers. The VGA gain can be also set by the SPI interface.

The STA5630 accepts a range of reference clocks (10 to 52 MHz) and generates a 16.368 MHz sampling clock (GPS\_CLK) for the baseband. The STA5630 embeds LDO to supply the internal core of the device facilitating requirements to external power supply.

High performance, low power, and cost effective device, the STA5630 is the ideal solution for automotive, cellular and consumer battery powered applications.

### Key Features

Integrated LNA

Low power consumption (< 25 mW)

1.8 V supply voltage

GPS and Galileo compliant

Minimum external components

Serial interface

3 bits A/D converter

CMOS 65 nm technology

Standard QFN-32 package

Ambient temperature range: -40 °C to +85 °C

### Recommended For You

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**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-1ER6C3**

STMicroelectronics, Inc

DNF8

**STA8089GA**

STMicroelectronics, Inc

QFN

**STA8088FG**

STMicroelectronics, Inc

VFQFPN56

**ST25DV04K-1ER6S3**

STMicroelectronics, Inc

SOP8

**SMA661ASTR**

STMicroelectronics, Inc

SOT666

**ST25R3916-AQWT**

STMicroelectronics, Inc

QFN32

**STMB2WB55CGU7**

STMicroelectronics, Inc

UFQFN48