M10-5883

产品参数

型号：M10-5883

主控：Ublox-M10050

卫星系统：GPS、Galileo、BDS

波特率：115200bps

输出协议：Ublox

频率：5Hz（最大10Hz）

Flash：板载（可修改配置）

追踪灵敏度：-167dBm

速度精度：0.05m/s

最大速度：500m/s

最大加速度：≤4G

最大高度：50000m

定位精度：1.5m CEP（理想环境 ）

冷启动：26s（理想环境）

热启动：1s（理想环境）

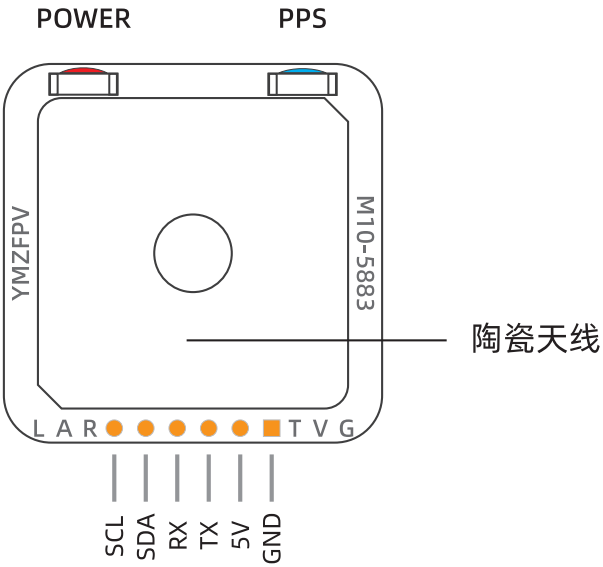
输入电压：3.3V-5V

尺寸：29 x 29 x 8.4mm

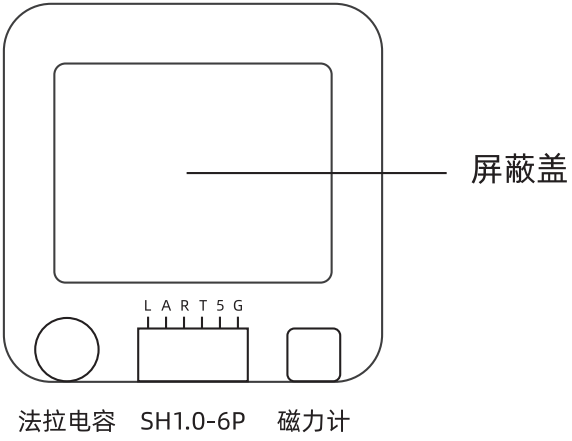
重量：12.8g

产品说明

正面


POWER
PPS
YMZFPV
M10-5883
陶瓷天线
L A R T V G
SCL
SDA
RX
TX
5V
GND

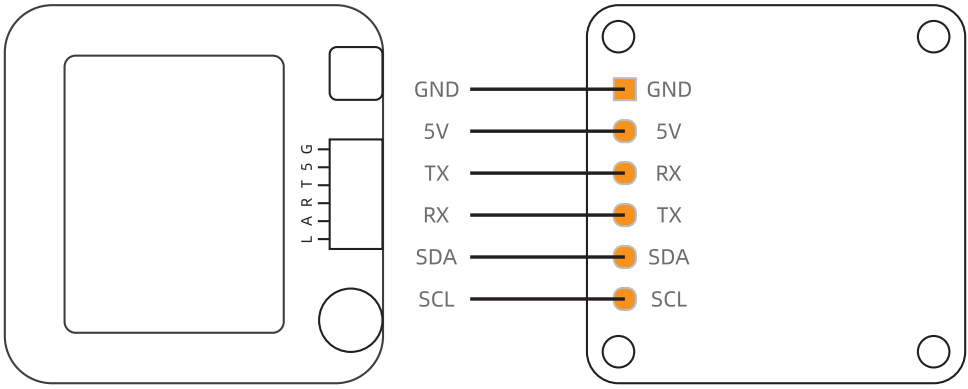
背面


屏蔽盖
L A R T 5 G
法拉电容
SH1.0-6P
磁力计

指示灯说明

指示灯	上电	定位成功
POWER	常亮	常亮
PPS	/	闪烁

接线图说明



BF设置

1.把GPS接入飞控空闲的端口，在BF软件对应的端口开启GPS，设置115200波特率，保存并重启。

标识符	···	传感器输入
UART1	···	GPS ⌄ 115200 ⌄

2.在BF配置页面启用GPS，选择UBLOX协议，启用自动设置，启用Galileo系统，保存并重启。

3.重启后，可以看到在BF软件顶部GPS图标正常点亮，即可在户外进行GPS搜星定位。

联系

官网：www.ymzfpv.com

淘宝：https://shop306758450.taobao.com

邮箱：info@ymzfpv.com

M10-5883

Parameters

Model: M10-5883

MCU: Ublox-M10050

GNSS: GPS、Galileo、BDS

RATE: 115200bps

Protocol: Ublox

Frequency: 5Hz（Max. 10Hz）

Flash：Onboard FLASH (Modifiable)

Tracking Sensitivity: -167dBm

Speed precision: 0.05m/s

Maximum speed: 500m/s

Maximum acceleration: ≤4G

Maximum height: 50000m

Positioning Accuracy: 1.5m CEP (ideal environment)

Cold Start: 26s (ideal environment)

Hot Start: 1s (ideal environment)

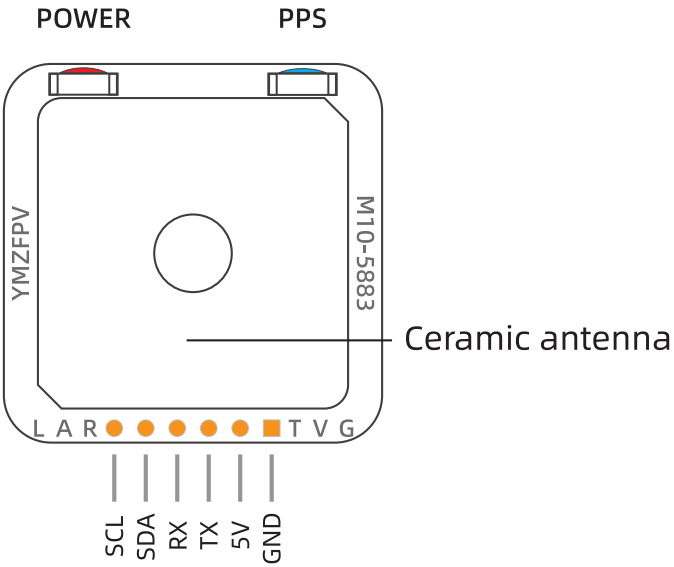
Input voltage: 3.3V-5V

Dimensions: 29 x 29 x 8.4mm

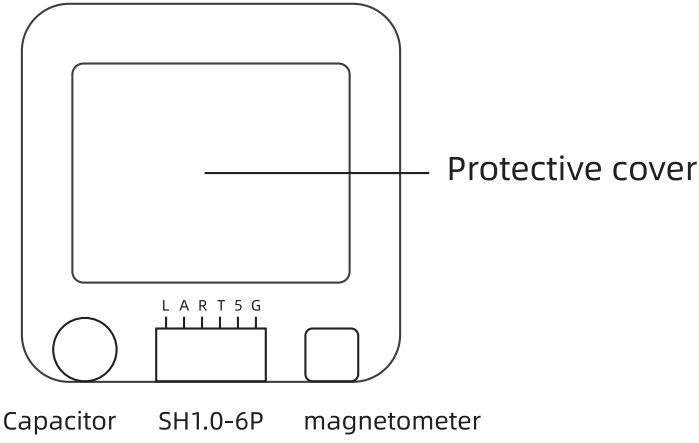
Weight: 12.8g

Introduction

Front



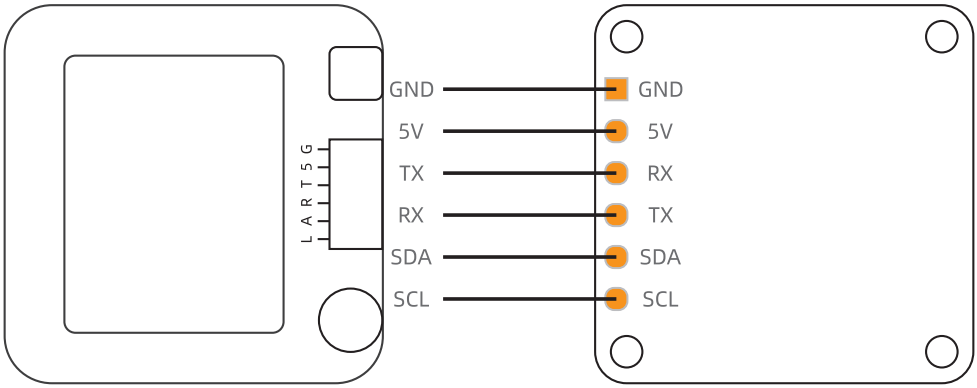
Back



Indicator

Indicator	Power on	Positioning
POWER(Red)	On	On
PPS(Blue)	/	flashing

Diagram

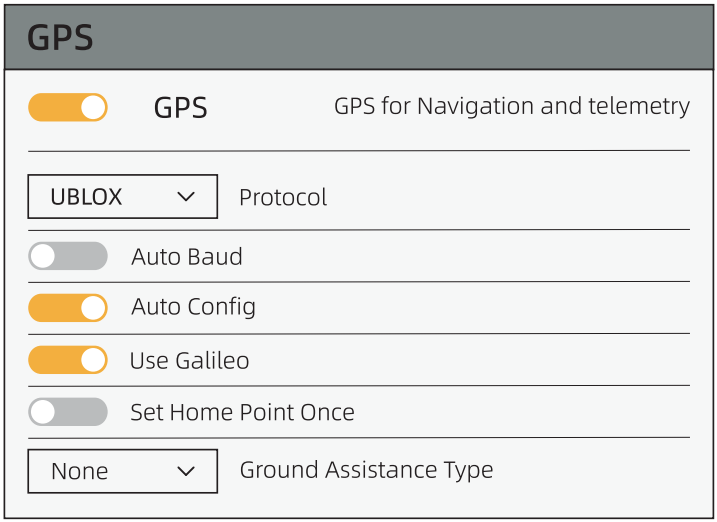


BF Setting

1. Connect the GPS module to one of the UARTs on your FC. In the Ports tab, select GPS in the Sensor inputs section of the corresponding UART number. Set 115200 baud rate, save and restart.

Identifier	···	Sensor Input
UART1	···	GPS ⌄ 115200 ⌄

2. On the BF configuration page, enable GPS, select UBLOX protocol, enable Auto Settings, enable Galileo system, save and restart.



3. After restart, it can be seen that the GPS icon at the top of BF software is normally lit up, Which means, that the GPS has been setup successfully.

Contact

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