# GEP-F411-35A AIO V2

GEPRC

## FC:

| | |
|---|---|
| Target: | GEPRC_F411_AIO |
| MCU: | STM32F411 |
| IMU: | ICM 42688-P |
| Blackbox: | 16MB |
| Baro: | NO |
| BEC: | 5V 1A |
| Size: | 32x32mm Board |
| Install hole: | 26.5x26.5mm(M2) |
| Input Voltage: | 8.4-26.1V |
| Uart: | R1 T1 R2 T2 |
| Soft UART: | R11 T11 |
| SBUS: | RT2 |

## ESC:

Continuous Current: 35A

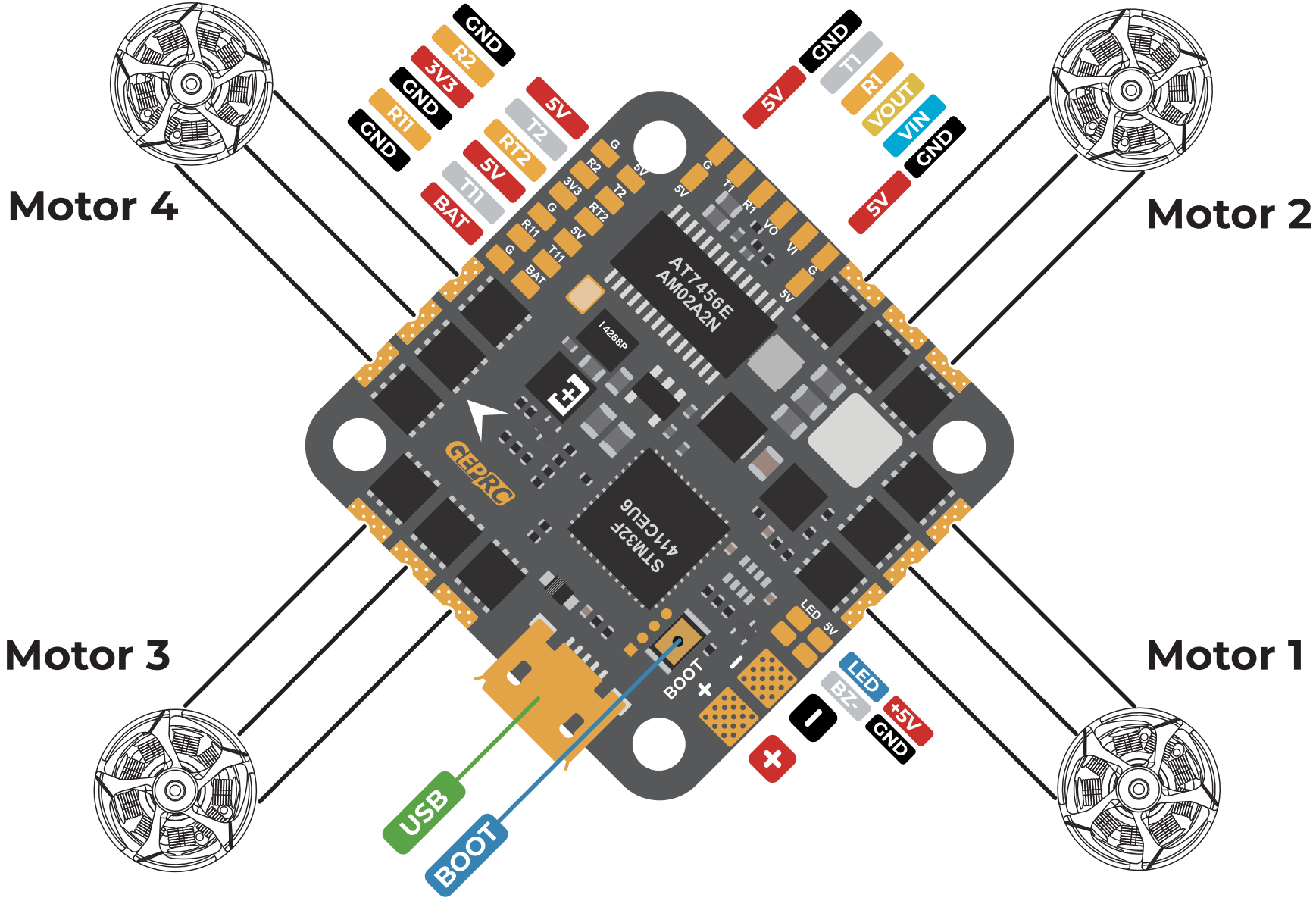
Burst Current: 40A(10S)

Input Voltage: 2-6S LiPo

Support Firmwar: BLHeli_S

Bluejay

# Diagram:


Motor 4
Motor 2
Motor 3
Motor 1
GND
R2
3V3
GND
R11
GND
5V
T2
RT2
5V
T11
BAT
5V
GND
T1
R1
VOUT
VIN
GND
5V
AT7456E
AM02A2N
STM32F
411CEU6
GEPRC
BOOT
LED
BZ-
+5V
GND
USB
BOOT

# DJI Diagram FPV System:

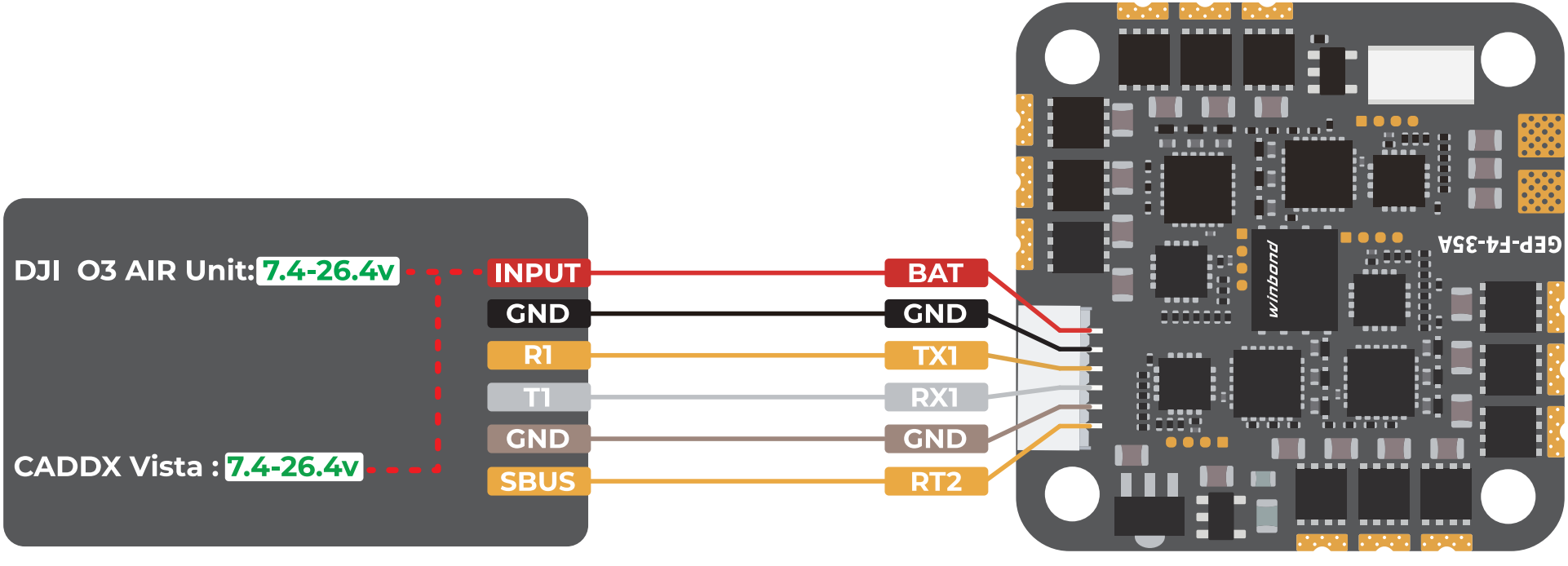
| Identifier | Configuration/MSP | Serial Rx |
|---|---|---|
| USB VCP | 115200 | |
| UART1 | 115200 | |
| UART2 | 115200 | |
| SOFTSERIAL1 | 115200 | |

**Receiver**

Serial (via UART) — Receiver Mode

- The UART for the receiver must be set to 'Serial Rx' (in the Ports tab)
- Select the correct data format from the drop-down, below:

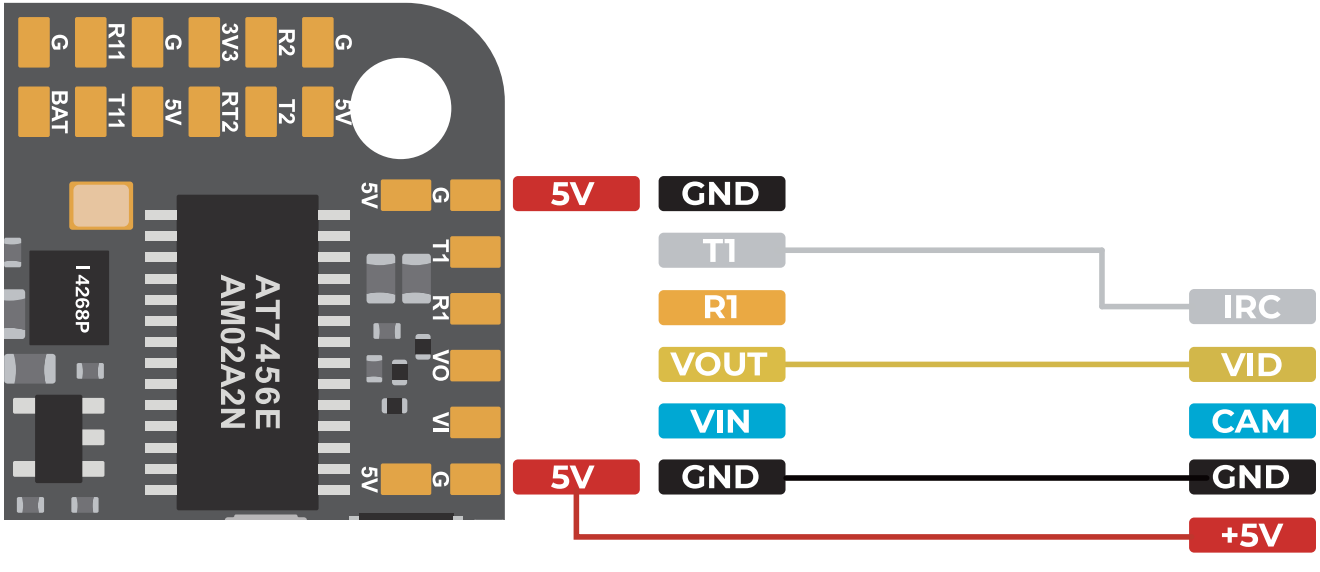
SBUS — Serial Receiver Provider



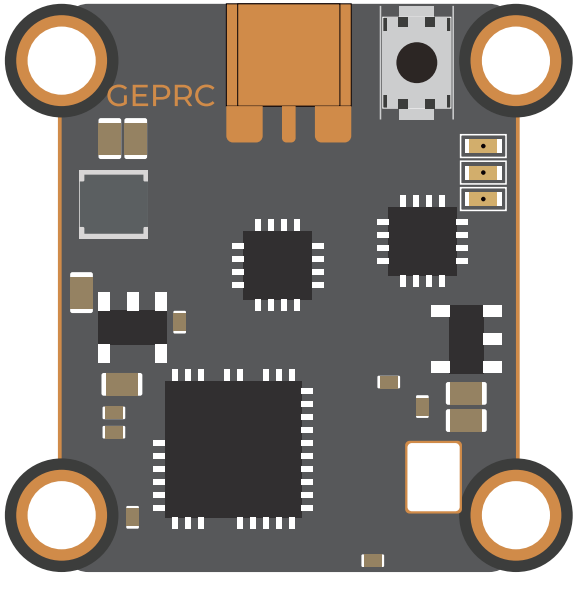
# Analog VTX:

| Identifier | Configuration/MSP | ..... | Peripherals | |
|---|---|---|---|---|
| USB VCP | 115200 | ..... | Disabled | AUTO |
| UART1 | 115200 | ..... | VTX,IRC Tamp | AUTO |
| UART2 | 115200 | ..... | Disabled | AUTO |
| SOFTSERIAL1 | 115200 | ..... | Disabled | AUTO |

| Other Features | |
|---|---|
| | AIRMODE |
| | OSD |
| | DYNAMIC_FILTER |



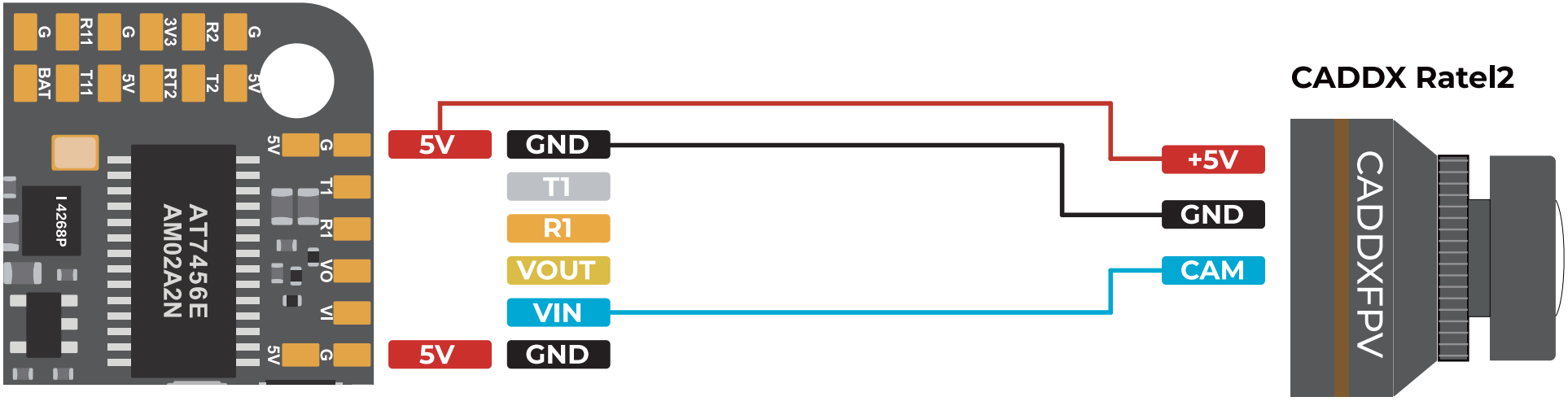

## STABLE VTX58600N



# Camera:

## Other Features

| | | |
|---|---|---|
| ON | AIRMODE | Permanently enable Airmode |
| ON | OSD | On Screen Display |
| OFF | DYNAMIC_FILTER | Dynamic gyro notch filtering |



# CRSF Receiver:

| Identifier | Configuration/MSP | Serial RX |
|---|---|---|
| USB VCP | 115200 | |
| UART1 | 115200 | |
| UART2 | 115200 | |
| SOFTSERIAL1 | 115200 | |

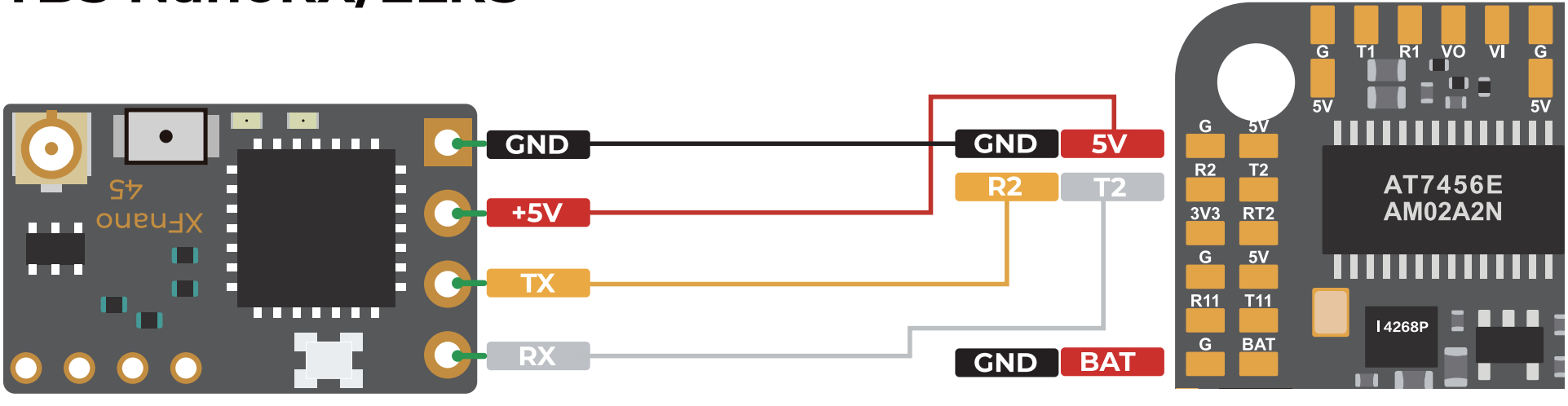
**Receiver**

Serial-based receiver(SPEKSAT,S — Receiver Mode

**Note:**Remenber to configure a Serial Port (via Ports tab) and choose a Ser
Receiver Provider when using RX_SERIAL feature.

CRSF — Serial Receiver Provider

# TBS NanoRX/ELRS



# SBUS Receiver:

| Identifier | Configuration/MSP | Serial RX |
|---|---|---|
| USB VCP | 115200 | |
| UART1 | 115200 | |
| UART2 | 115200 | |
| SOFTSERIAL1 | 115200 | |

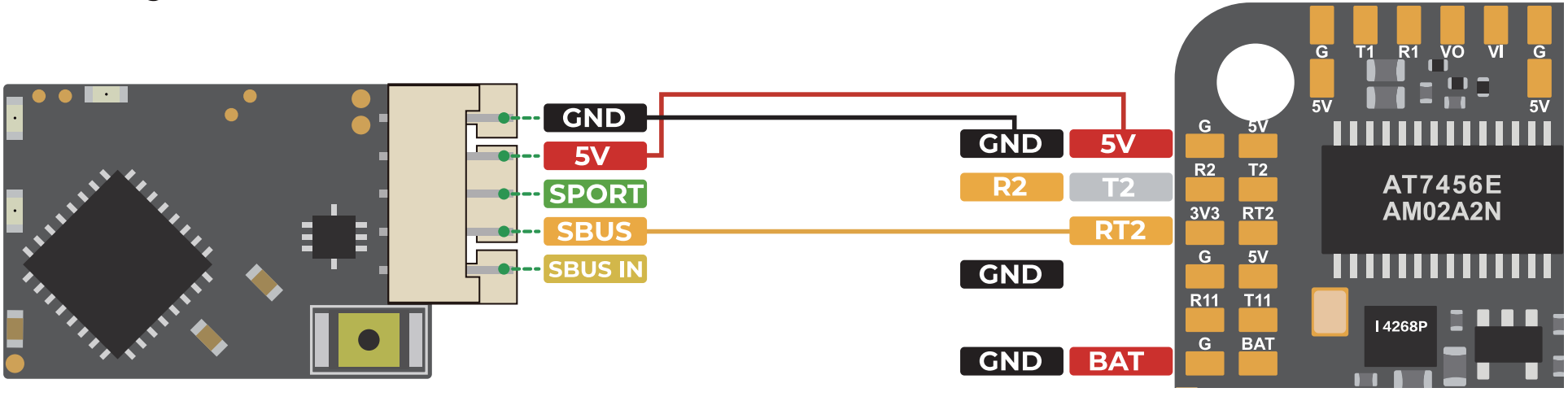
**Receiver**

Serial (via UART) — Receiver Mode

- The UART for the receiver must be set to 'Serial Rx' (in the Ports tab)
- Select the correct data format from the drop-down, below:

SBUS — Serial Receiver Provider

# FrSky R-XSR



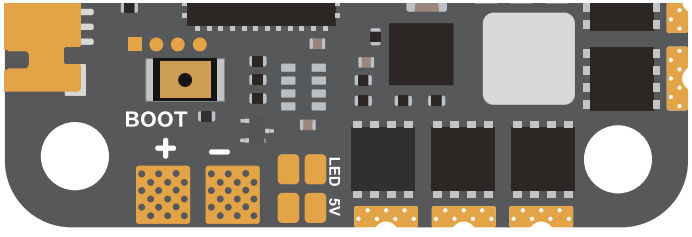
# Buzzer & Led

## Other Features

| | |
|---|---|
| ○ | TELEMETRY |
| ● | LED_STRIP |
| ○ | DISPLAY |

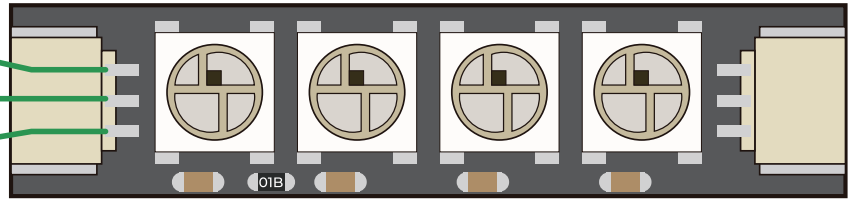
## Beeper Configuration

| | |
|---|---|
| ● | GYRO_CACIBRATED |
| ● | RX_LOST |
| ● | RX_LOST_LOADING |
| ● | ..... |

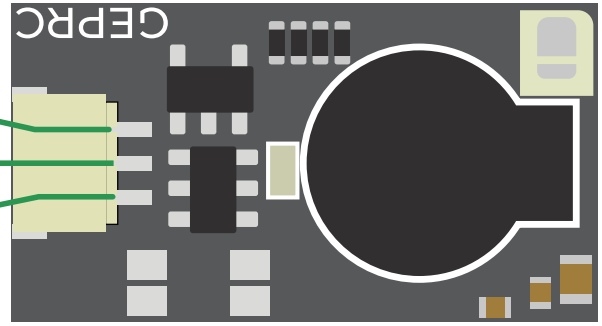




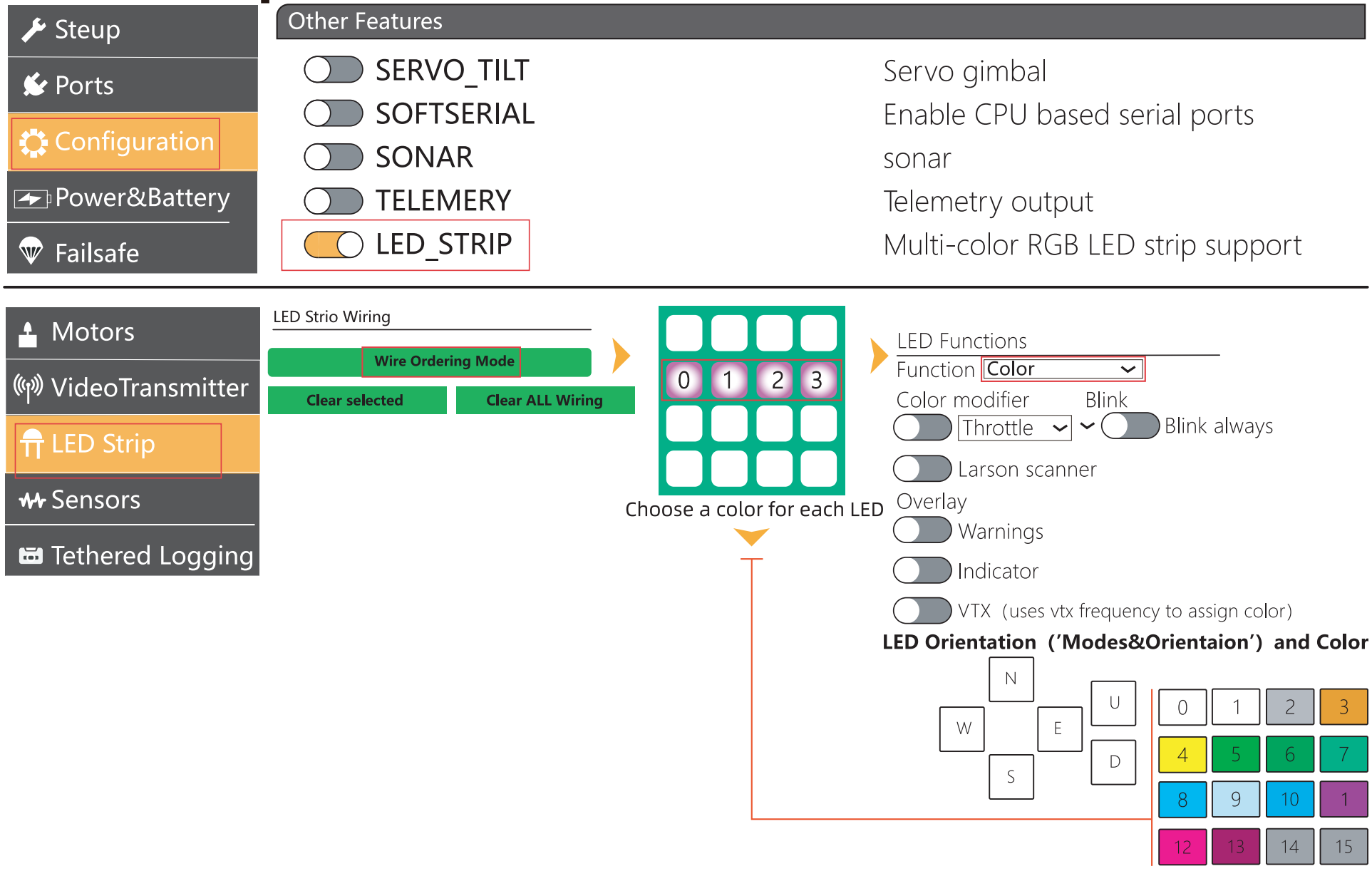
GEPRC LED Board




GEPRC Super Buzzer



# LED Setup:


Steup
Ports
Configuration
Power&Battery
Failsafe
Other Features
SERVO_TILT
Servo gimbal
SOFTSERIAL
Enable CPU based serial ports
SONAR
sonar
TELEMERY
Telemetry output
LED_STRIP
Multi-color RGB LED strip support
Motors
VideoTransmitter
LED Strip
Sensors
Tethered Logging
LED Strio Wiring
Wire Ordering Mode
Clear selected
Clear ALL Wiring
0
1
2
3
Choose a color for each LED
LED Functions
Function
Color
Color modifier
Blink
Throttle
Blink always
Larson scanner
Overlay
Warnings
Indicator
VTX (uses vtx frequency to assign color)
LED Orientation ('Modes&Orientaion') and Color
N
W
E
S
U
D
0
1
2
3
4
5
6
7
8
9
10
1
12
13
14
15

# CAUTION:

1. Aircraft of 3 inches or more need to install a capacitor, which is included in the package
2. All wires should try to avoid the gyroscope, so as not to affect the normal work of the gyroscope
3. After soldering, please check that all connections are correct to avoid damage after power-on.

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**Contact:**

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