STEP IN SRL
Sede: Via Kaolack, 28 – 11100 Aosta – Italia
email: amministrazione@stepin.srl web: www.stepin.srl
P.IVA / C.F. 01287310070 Reg. Imprese Aosta n. REA 82334

StepIn Snorkel v200 - User Manual

General index

Specs overview....2
Dimensions....2
Layout....2
Connectors....3
Peripheral Connection....5
Specifications....6

Index of figures

Figure 1 - Dimensions....2
Figure 2 - Layout....2
Figure 3 - Peripheral connection....5

Index of tables

Table 1 - Specs overview....2
Table 2 - Power connector....3
Table 3 - Fan connector....3
Table 4 - Receiver Connector....3
Table 5 - Camera connector....3
Table 6 - GPS connector....3
Table 7 - Servos connector....4
Table 8 - Specifications....6

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Specs overview

Name	**StepIn Snorkel v200**
App Mobile Tuning	Supported
Power Input	2S
Mounting	30.5 x 30.5mm, hole diameter 4mm
Dimensions	79.2mm(L)x38mm(W)x12.65mm(H)
Weight	18g

Table 1 - Specs overview

Dimensions

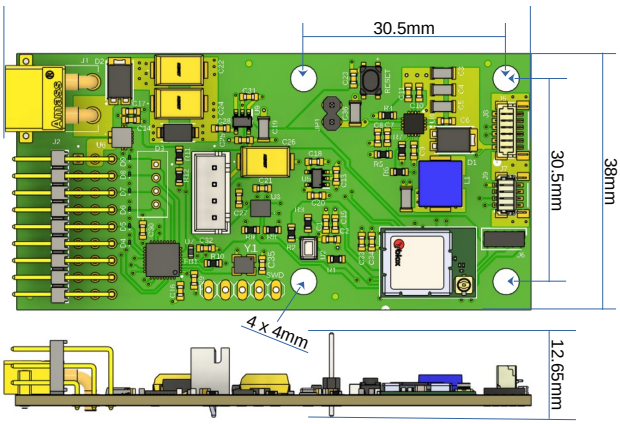

Figure 1 - Dimensions

Layout

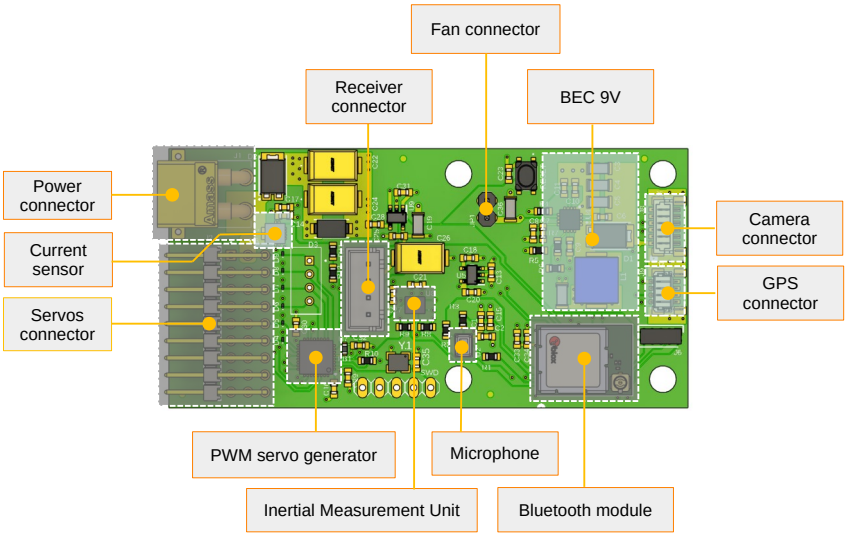

Figure 2 - Layout

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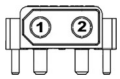
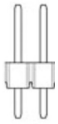
Connectors



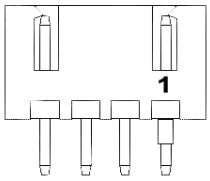
Pin	Name
1	GND (Battery 2S)
2	VIN (Battery 2S)

Table 2 - Power connector



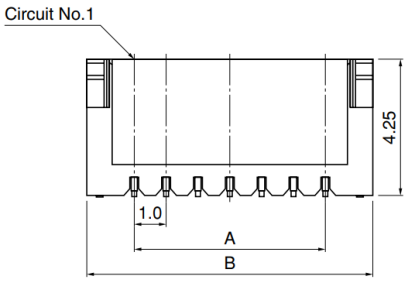
Pin	Name
1	GND (near upper edge)
2	VFAN (VIN Battery 2S) (far upper edge)

Table 3 - Fan connector



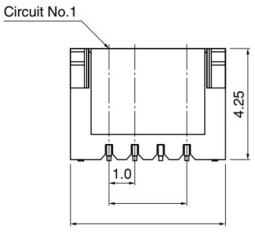
Pin	Name
1	GND
2	+5V
3	CRSF RX
4	CRSF TX

Table 4 - Receiver Connector



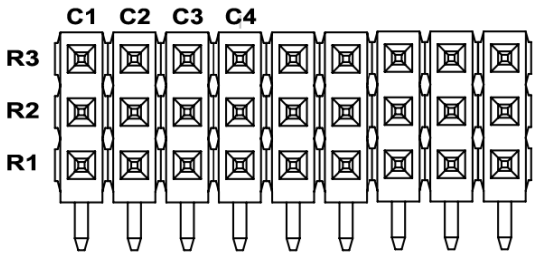
Pin	Name
1	+9V
2	GND
3	OSD TX
4	OSD RX
5	GND
6	Not Connected

Table 5 - Camera connector



Pin	Name
1	GPS RX
2	GPS TX
3	GND
4	+5V

Table 6 - GPS connector



Col	Name
C1	Stearing
C2	Throttle
C3	Front brake
C4	Rear brake
Row	**Name**
R3	PWM
R2	VBAT
R1	GND

Table 7 - Servos connector

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Peripheral Connection

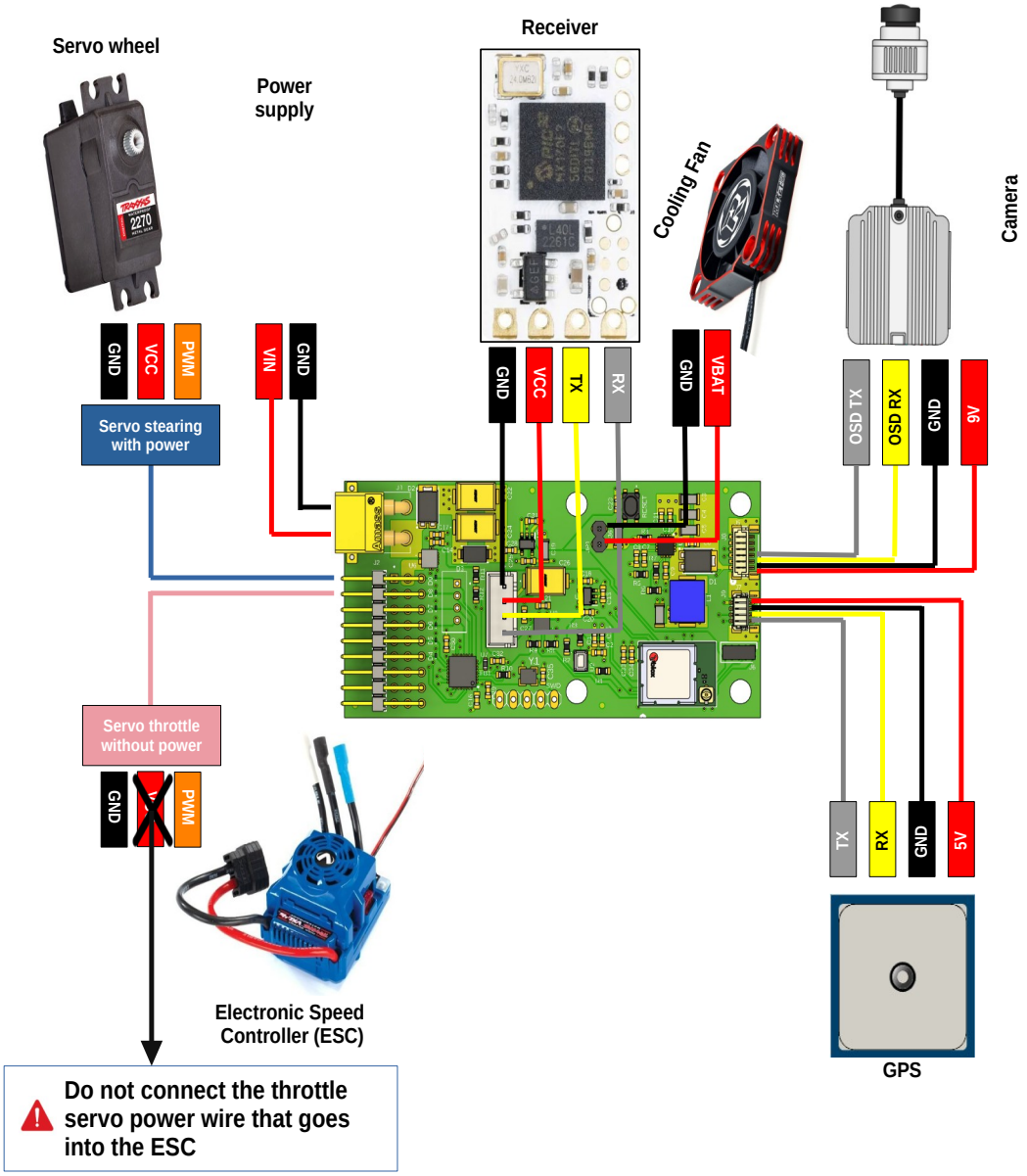

Figure 3 - Peripheral connection

Specifications

Name	StepIn Snorkel v200
MCU	STM32F301 and NRF5340 (NORA-B120 module)
IMU	BMI270
App mobile tuning	Supported
Camera	Supported DJI O3 Air Unit, Walksnail Avatar HD, other compatible with +9V / 2A power supply
+9V BEC Output	One with total current output 2A (camera connettor)
Receiver	Supported TBS Tracer Nano RX, other compatible with CRSF protocol
Current Sensor	Supported
Audio	Supported with MEMS microphone and bluetooth audio systems
Servos	4 PWM output: stearing, throttle, front brake, rear brake
RC model	Supported Traxxas maxx, Tamiya Porsche 911 GT3, other compatible with servos 2S
Input Voltage	2S LiPo battery
Mounting	30.5 x 30.5 mm, hole diameter 4mm
Dimensions	79.2mm(L)x38mm(W)x12.65mm(H)
Weight	18g

Table 8 - Specifications