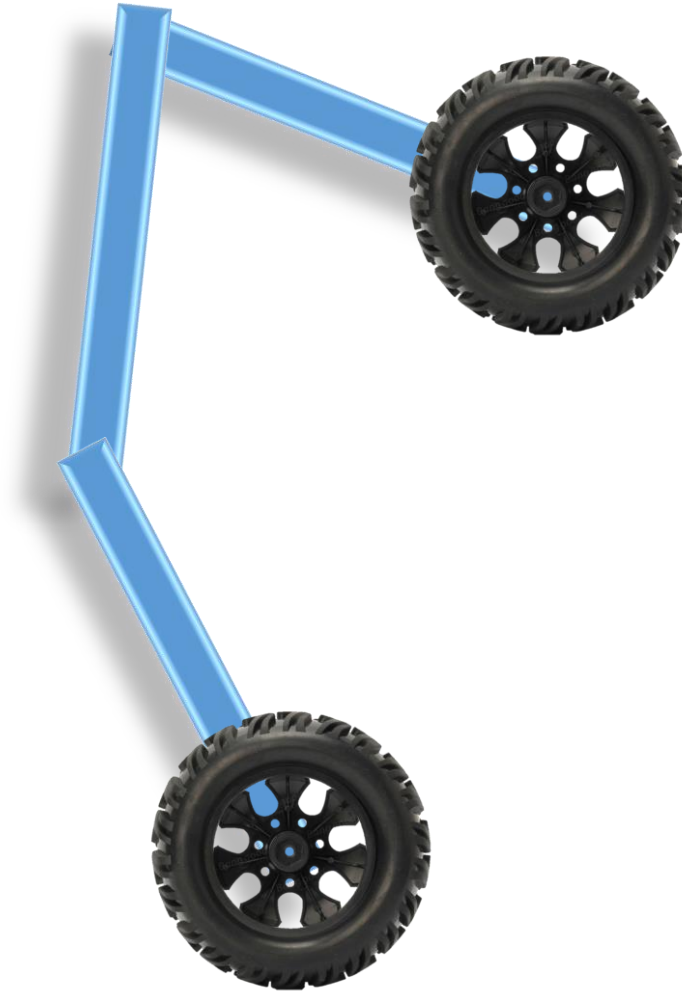


Home Rover



- Articulated Mobile Robot
- Multi-Inverted pendulum

Arm Parts

Actuators



AX-GM2212-72Kv

- 50 g

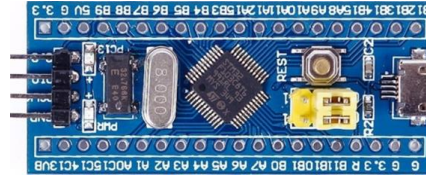


L6234d



HK-282AS

Controller



STM32F103

Sensors



VL53L0X



MPU 6050

Case & Wheels



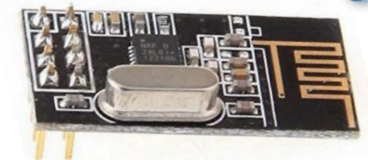
Power

- 3.7 V 3400 mAh
- 45 g



Step-up LM2577

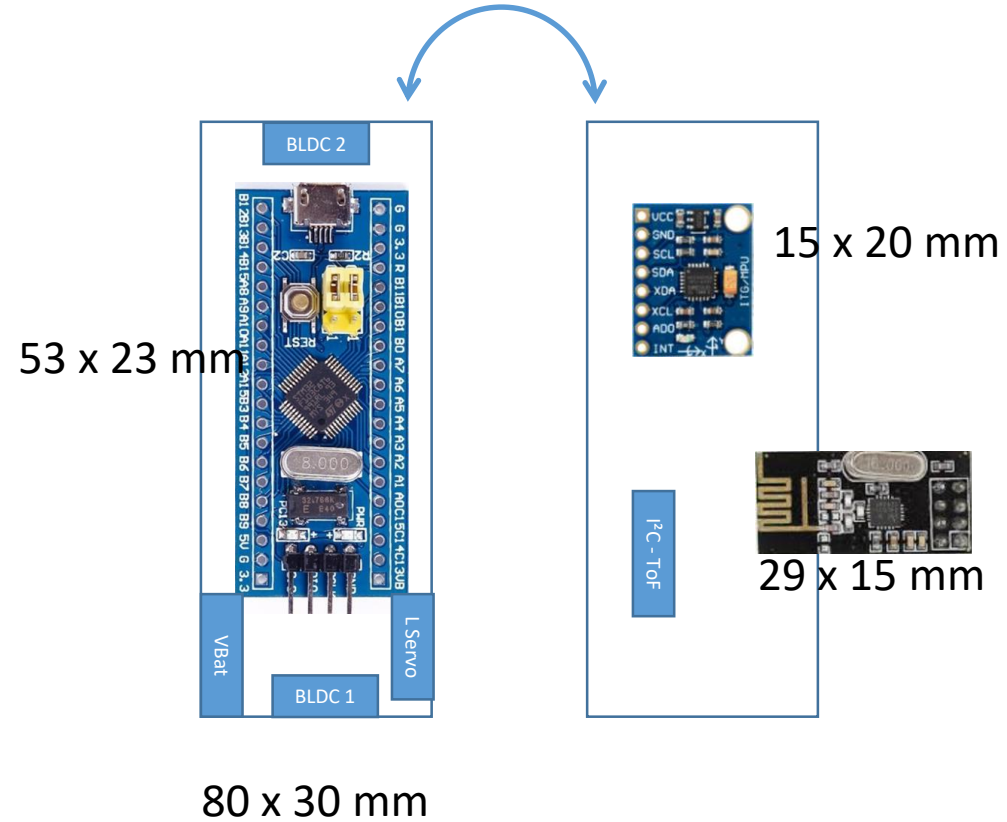
RF



nRF24L01+

PCB

Main Controller



Electronic Speed Controller



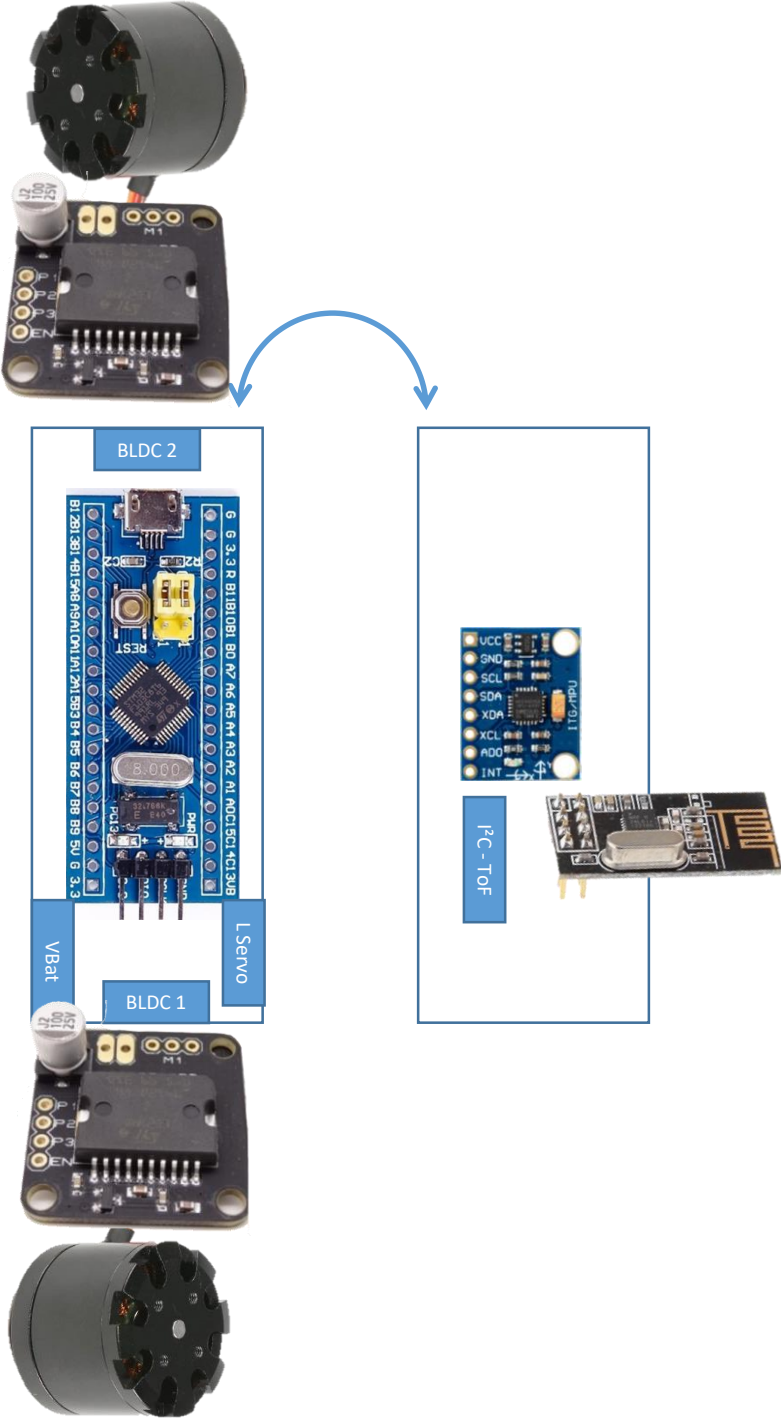
26 x 26 mm

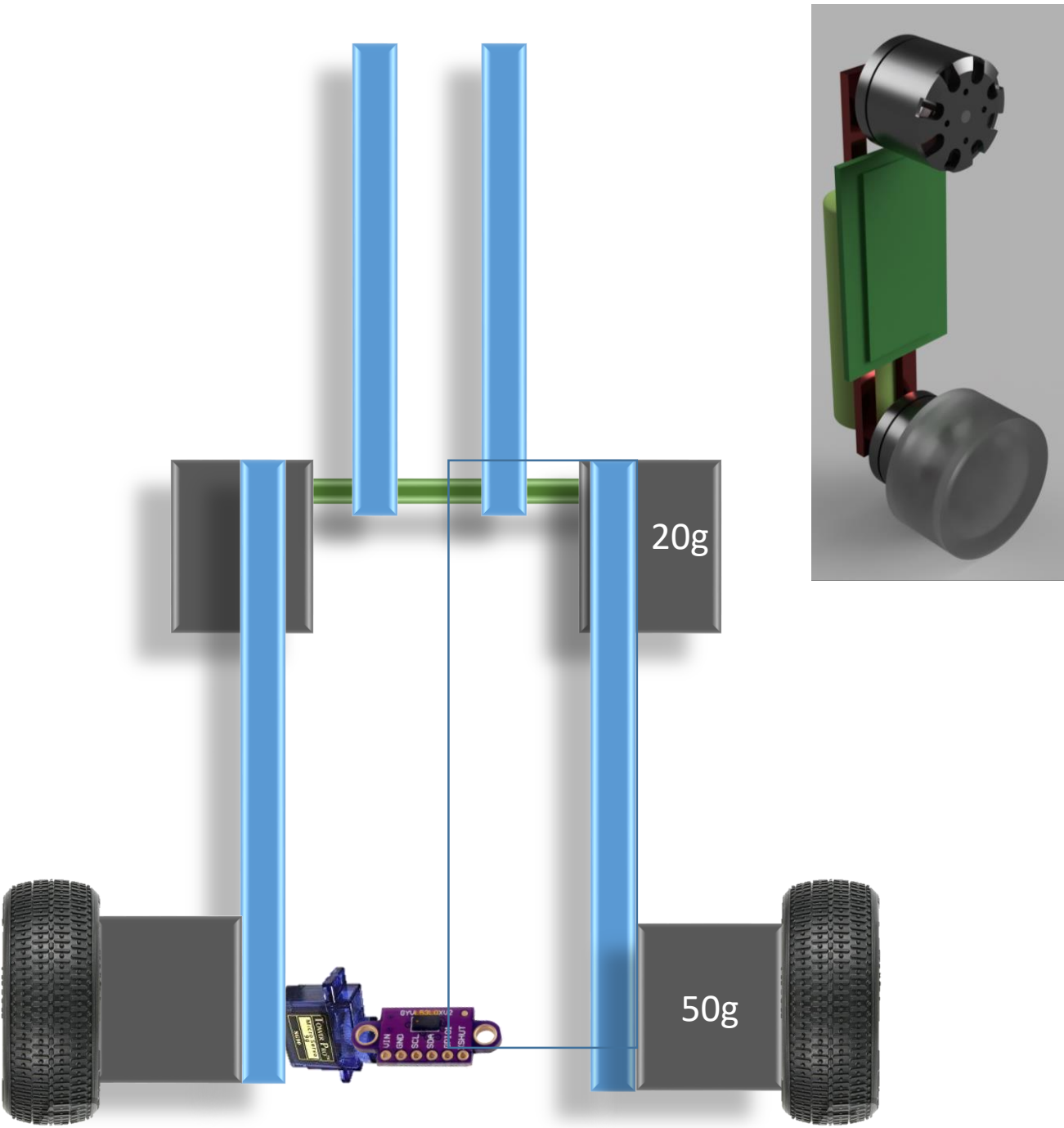
Voltage Stepup



32 x 18 mm

PCB 1





L Servo

[HK-282AS](#)

- 16x8.2x16.5mm
- 2.5~4.8V
- 2.2 g



Drafts

Body Part

Motor



AX-GM2212-72Kv

- 50 g

Power

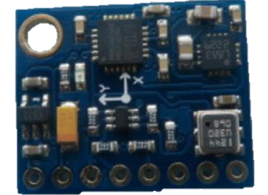


USB - 5V – 5000 mAh



RF

Inertial Measurement Unit



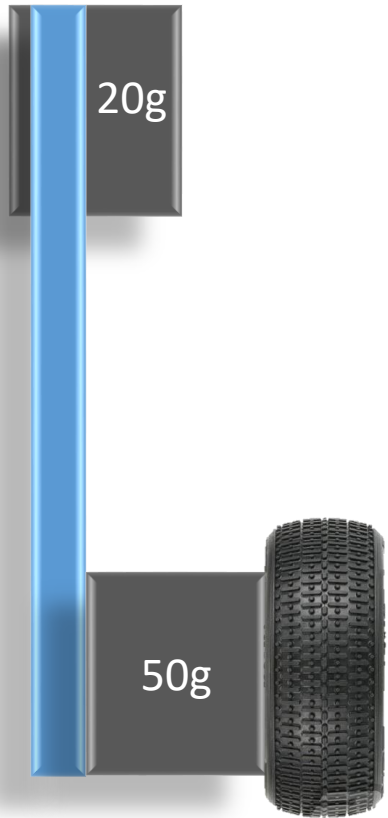
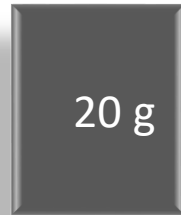
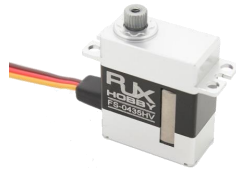
- MPU6050
- HMC5883L
- BMP180



nRF24L01+

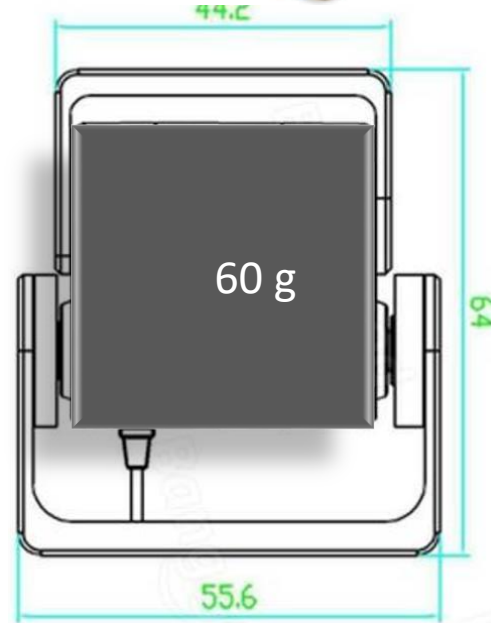
Servos comparison

RJX-FS0435



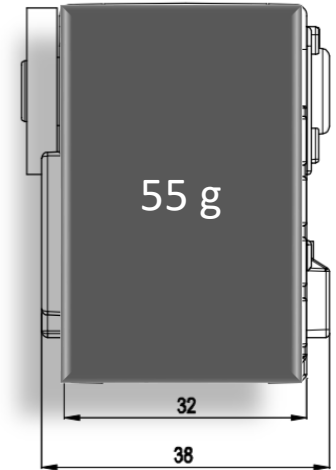
90° ?
3.4 KG
0.04sec/60°

RDS3115MG



180°
17 KG
0.14 sec/60°

AX-12

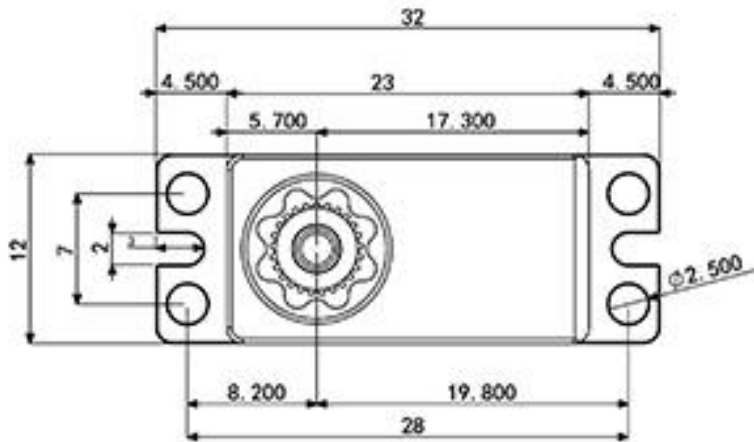
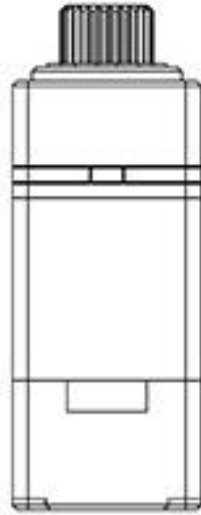
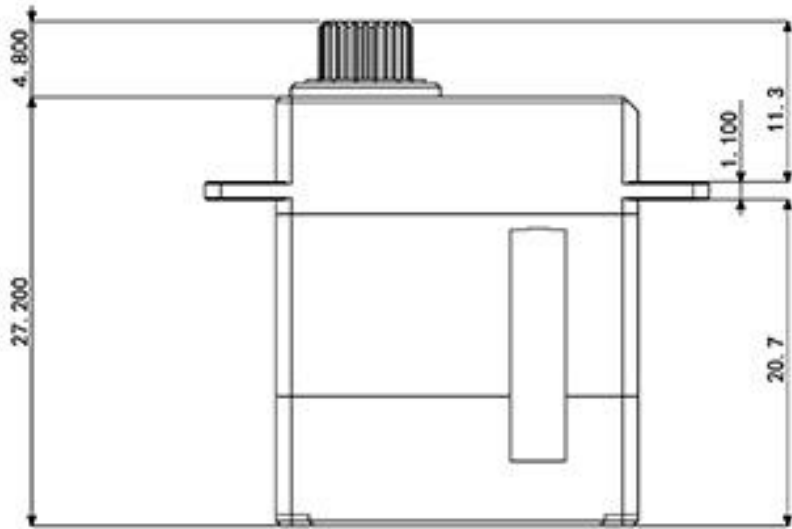


300° - ∞
16 KG
0.196 sec/60°

H Servo

[RJX-FS0435](#)

- 28x12x23mm
- 4.8~7.4V
- 20 g



RJX
HOBBY



PCB 0

