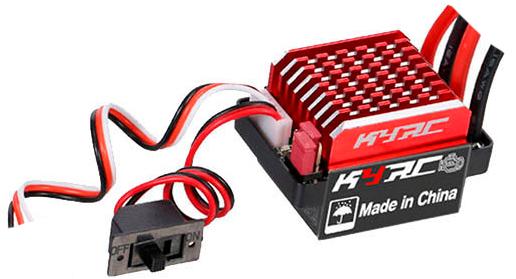


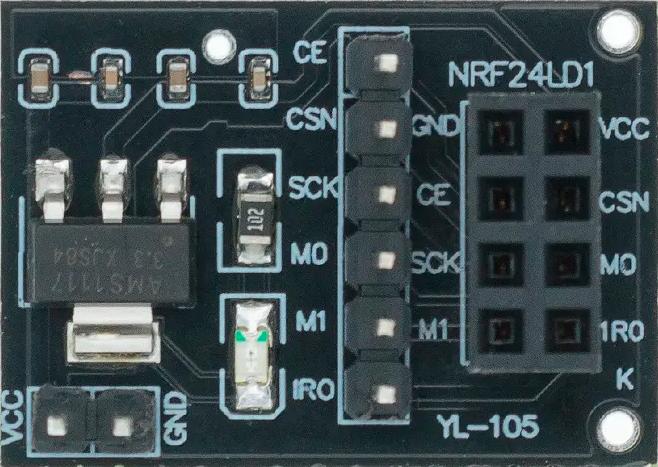
**RC Jeep Cherokee 1:10**

**Car**

****

ESC Motor Driver Module

| **RED** | VIN |
| --- | --- |
| **BLACK** | GND |
| **WHITE** | D5 |



NRF24L01 adapter

|  |  |
| --- | --- |
| **CE** | D9 |
| **CSN** | D53 |
| **SCK** | D52 |
| **M0** | D51 |
| **M1** | D50 |
| **IRQ** | - |
| **VCC** | 5V |
| **GND** | GND |



Servo for turning wheels

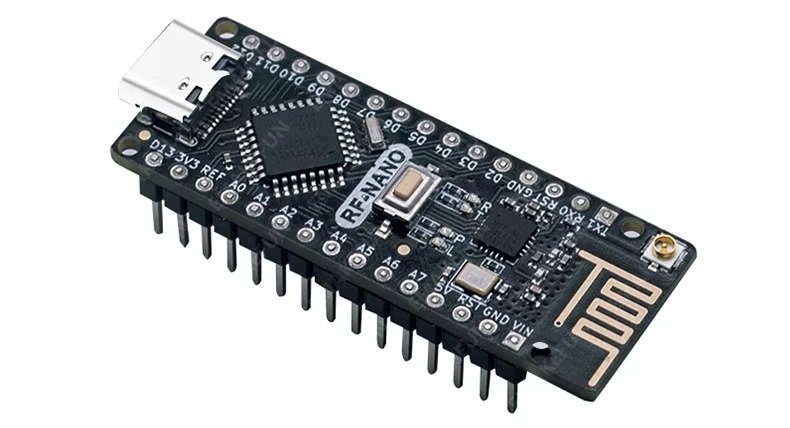
| **RED** | UBEC + |
| --- | --- |
| **BROWN** | UBEC – (As in the scheme) |
| **YELLOW** | D2 |



LEDs

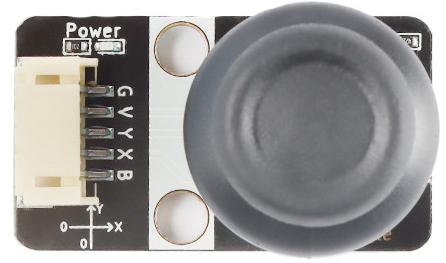
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parking light** | 470 Om | 5mm yellow | 4 | D3, D4, D6, D7 |
| **Low beam** | 220 Om | 5mm warm white | 2 | D8, D10 |
| **Turn signals** | 150 Om | 3mm blink yellow | 4 | D11, D12, D13, D14 |
| **High beam** | 100 Om | 5mm warm white | 4 | D15, D16, D17, D18 |
| **License plate light** | 470 Om | 3mm yellow | 1 | D19 |
| **Reverse gear** | 100 Om | 5mm warm white | 2 | D20, D21 |

**Controller**



Arduino RF-NANO + NRF24L01

|  |  |
| --- | --- |
| **CE** | D7 |
| **CSN** | D8 |
| **M0SI** | D11 |
| **M1SO** | D12 |
| **SCK** | D13 |



Joystick x2

|  |  |
| --- | --- |
| **G** | GND |
| **V** | 5V |
| **Y** | A0/- |
| **X** | -/A1 |
| **B** | D2/D4 |

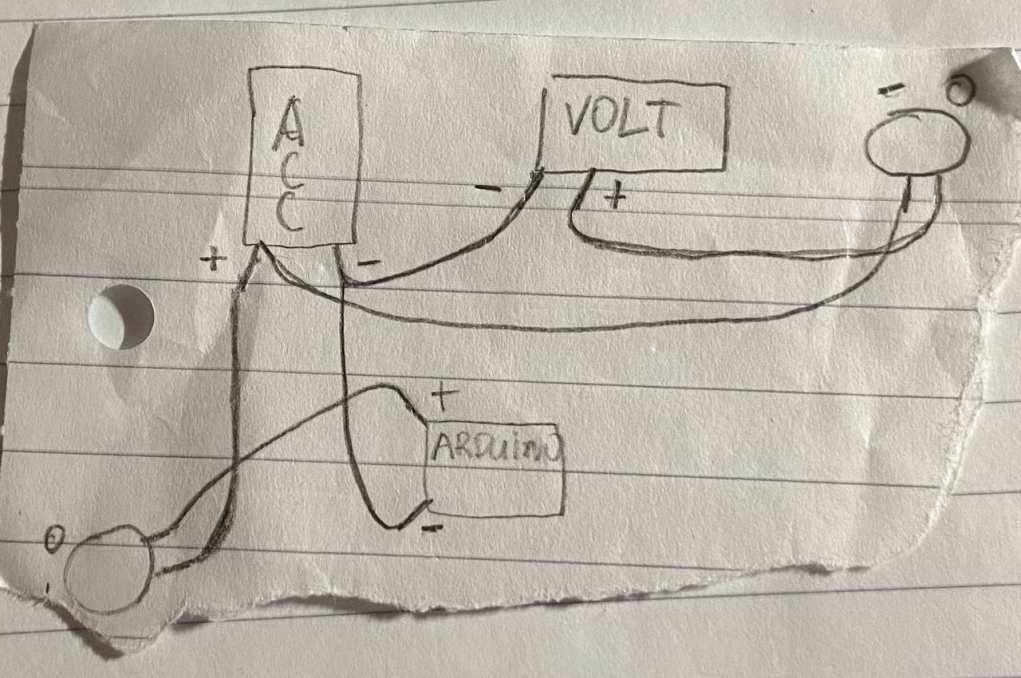
The buttons on the joysticks will be used to turn on the turn signals.

1. The first toggle switch turns on the parking lights.

2. The second toggle switch turns on the low beam.

3. The third toggle switch turns on the high beam.

4. The fourth toggle switch turns on the engine sound.



https://github.com/emakefun/rf-nano/?tab=readme-ov-file