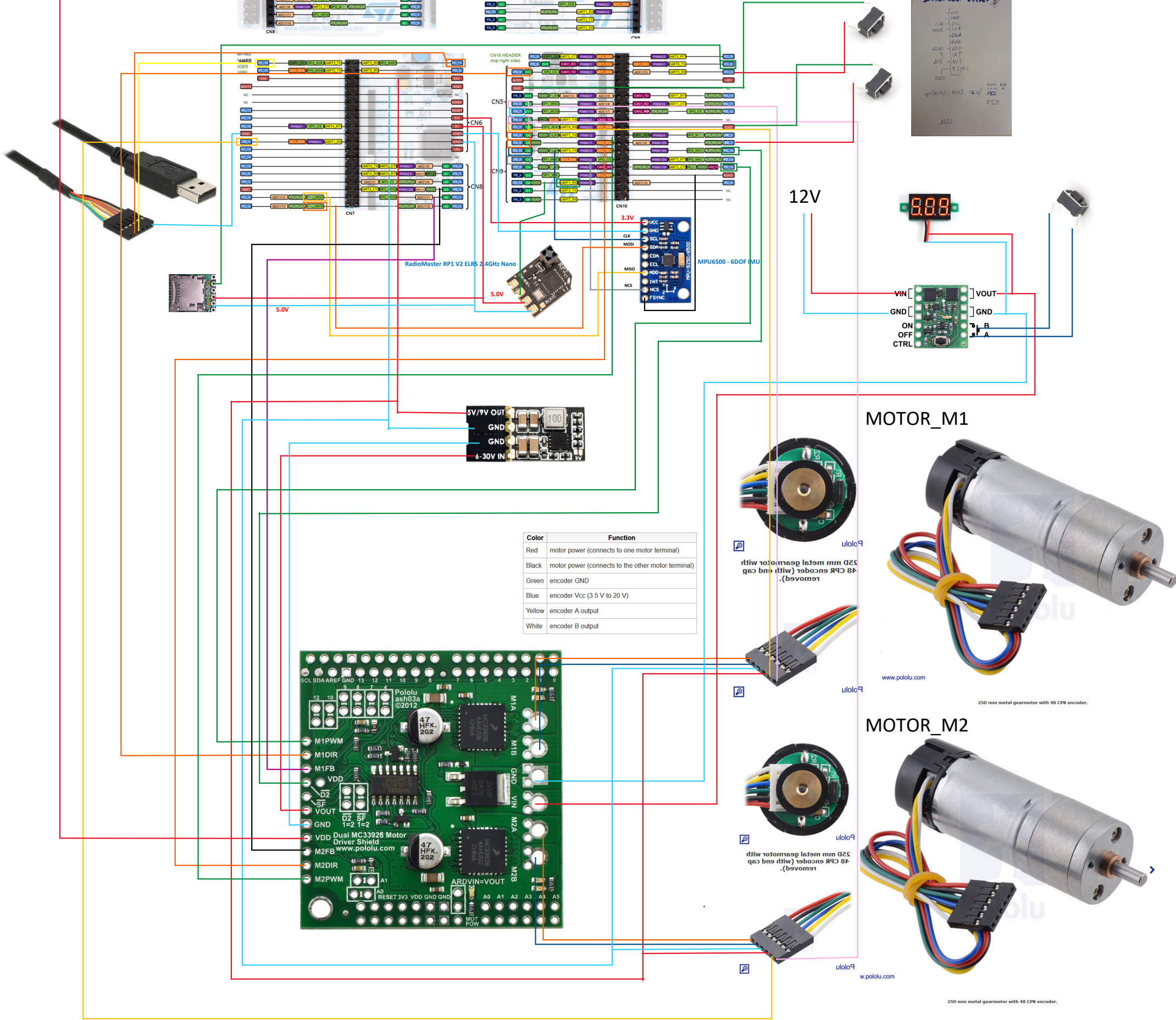
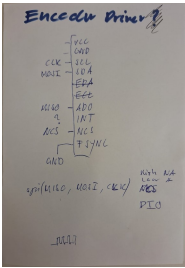


| Table 7. External power sources |                         |                  |             |  |
|---------------------------------|-------------------------|------------------|-------------|--|
| Input power name                | Connectors pins         | Voltage range    | Max current | Limitation   |
| VIN                             | CN6 pin 8<br>CN7 pin 24 | 7 V to 12 V      | 800 mA      | From 7 V to 12 V only and input current capability is linked to input voltage:<br>800 mA input current when VIN < 7 V<br>450 mA input current when 7 V < VIN < 9 V<br>250 mA input current when 9 V < VIN < 12 V |
| ESV                             | CN7 pin 8               | 4.75 V to 5.25 V | 500 mA      | -  |



| Color  | Function   |
|--------|--|
| Red    | motor power (connects to one motor terminal)       |
| Black  | motor power (connects to the other motor terminal) |
| Green  | encoder GND  |
| Blue   | encoder Vcc (3.5 V to 20 V)                        |
| Yellow | encoder A output                                   |
| White  | encoder B output                                   |

MOTOR\_M1

MOTOR\_M2