

INAV Vehicle Guide

Synerduino STM

VERSIONS: F405, F411, H743

For more Information:
www.synerflight.com



INTRODUCTION

Vehicle Guide Introduce

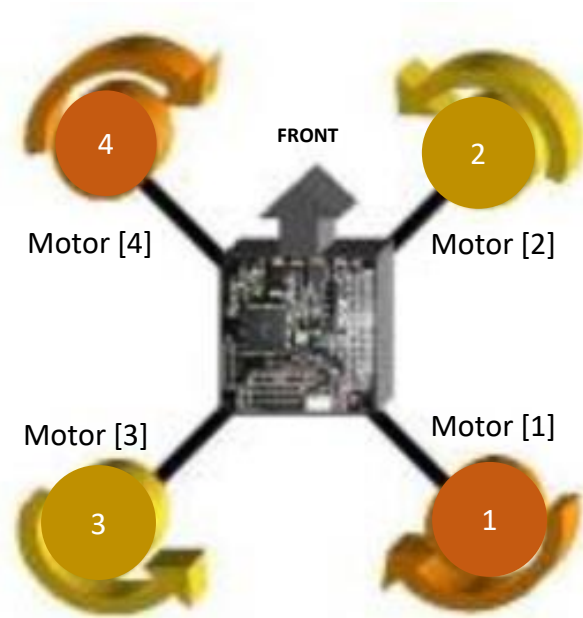
- ESC
- Motor

Vehicle Type Layout

- Basic Quad
- Basic Fixwing

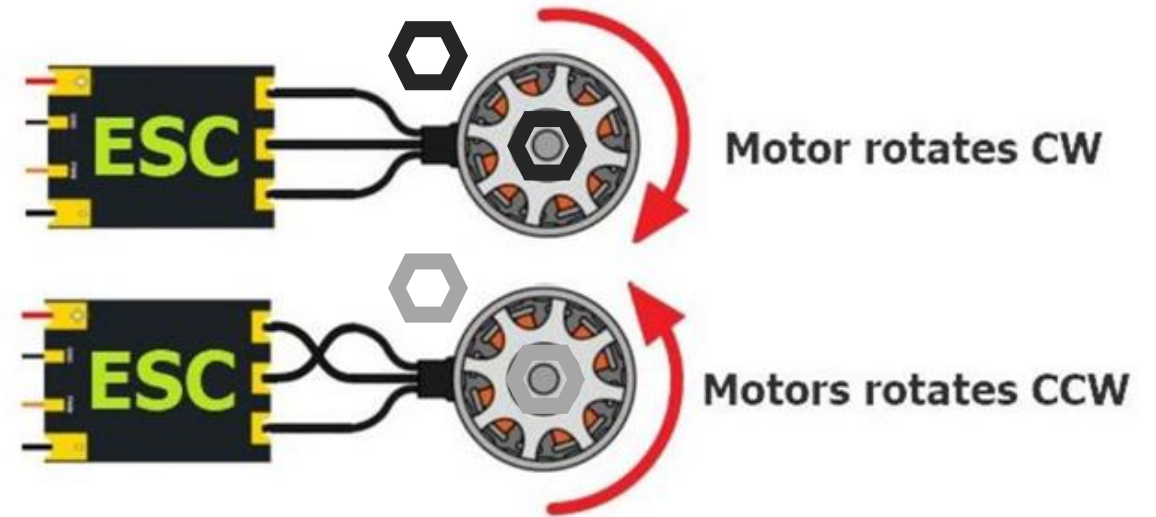


MOTOR, ESC, & PROPELLER INSTALLATION



Note : you can pre solder the motor to the board and check for rotation before installing the propeller to ensure all motor rotations are correct

Electronic Speed Controller



Note : on some brands of motor they may come in two different prop nuts color (Known as self tightening nuts)

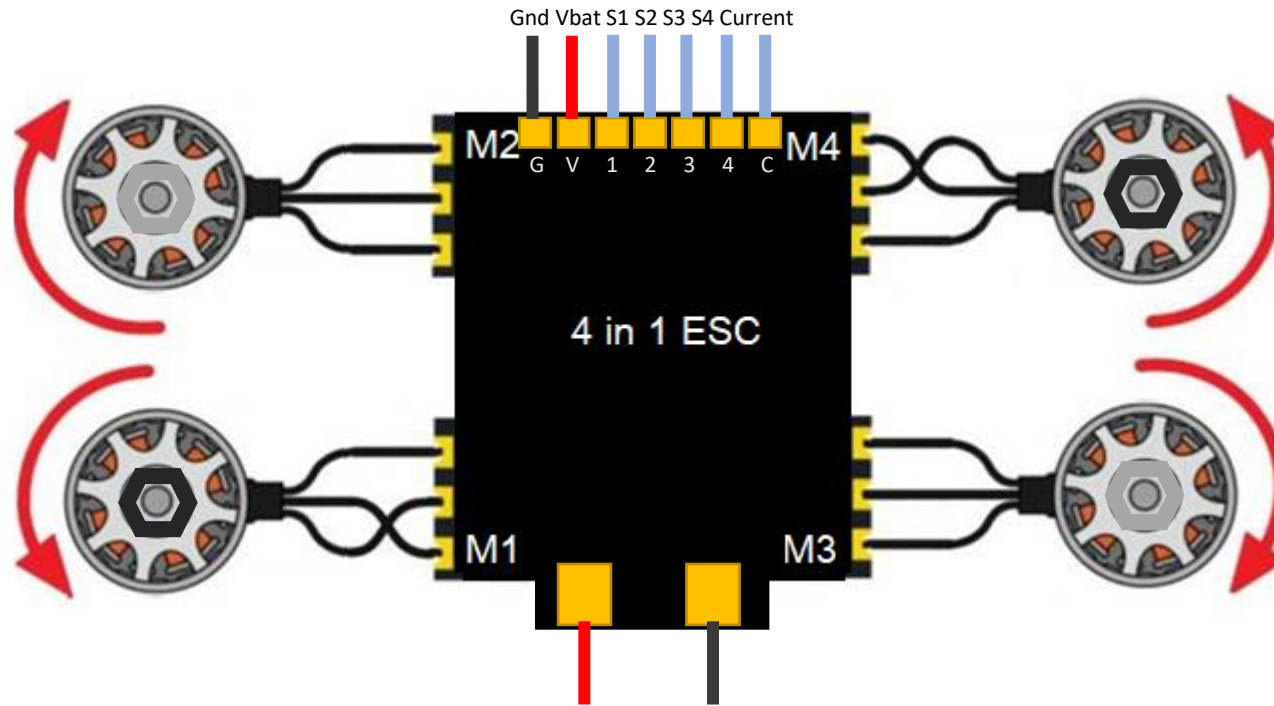
Black Nut CW
Silver Nut CCW

MOTOR, ESC, & PROPELLER INSTALLATION

For those using 4-1 ESC
Output needs to be set to
Dshot if your ESC supports
this Protocol

Can be found in the
Outputs tab of INAV
configurator under ESC
Protocol

Note some ESC has
Reveres polarity or setable
polarities of the output 2
phase to motor rotation



Gnd – this connects to
your Ground main power
Rail

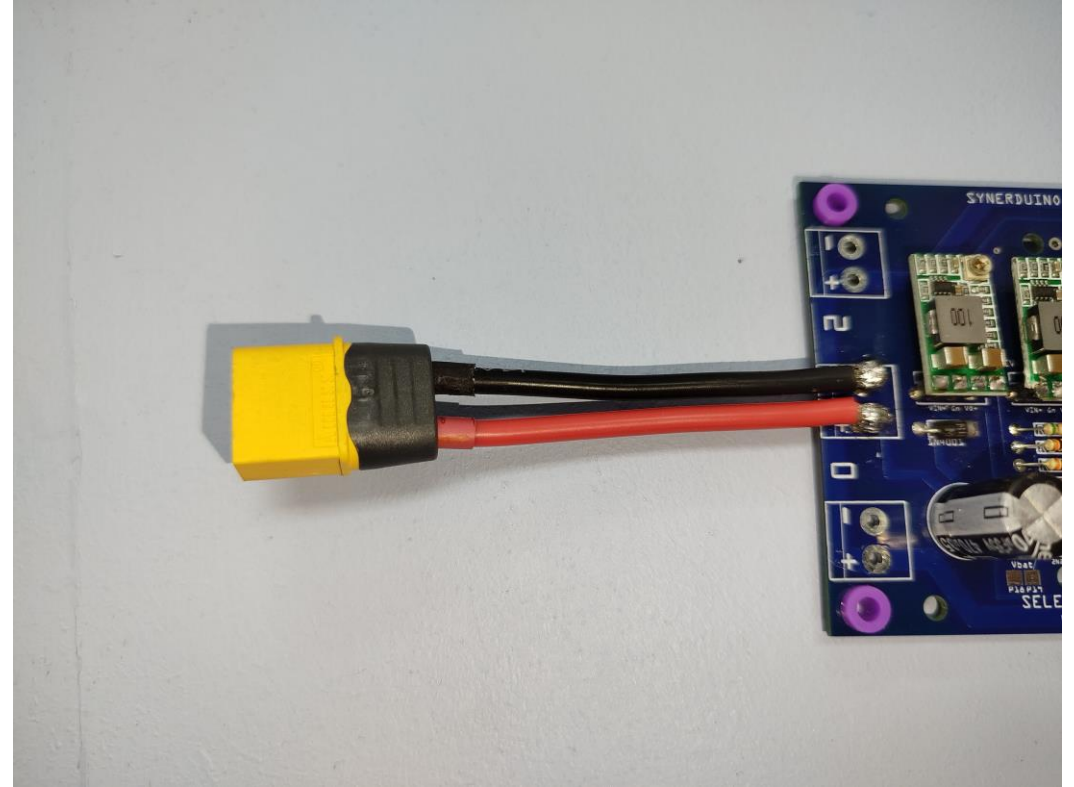
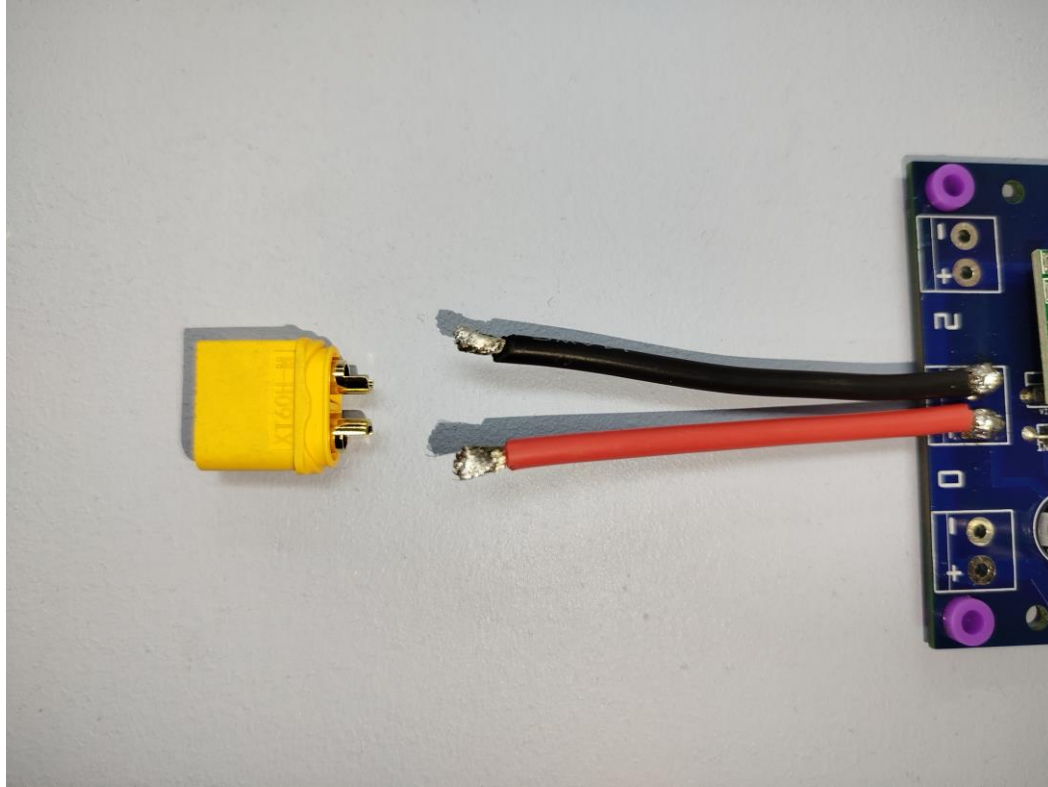
Vbat this is what your
battery voltage is.

For synerduino this is not
connected as it has its
own Vbat

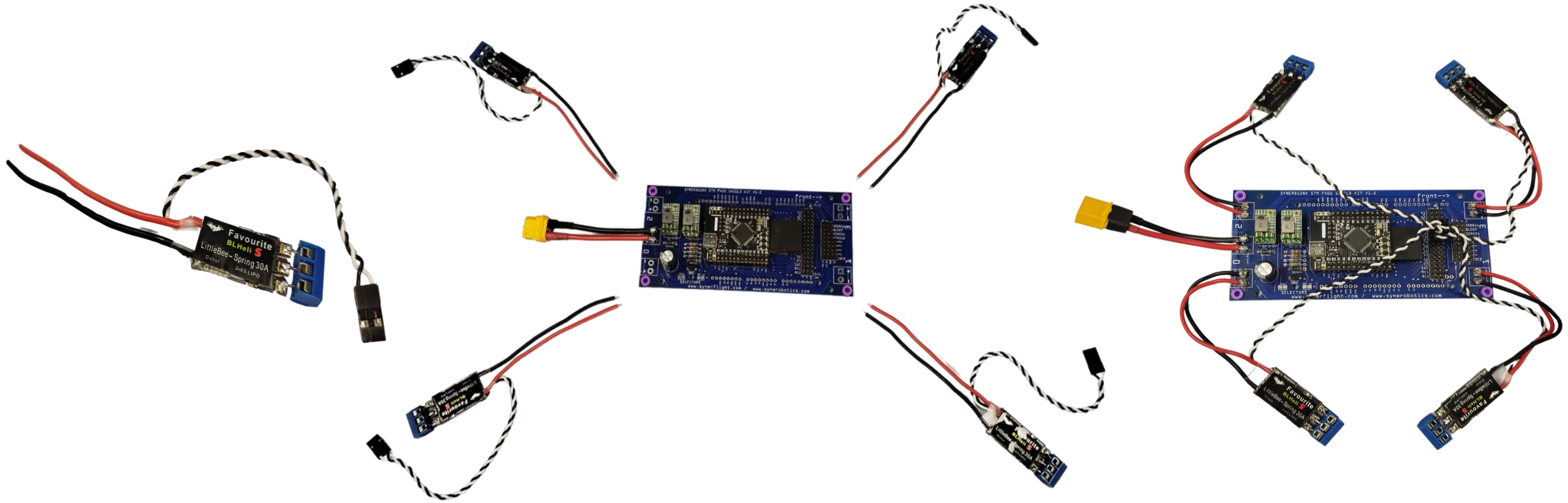
S1-S4 these are the Dshot
PWM pins see motor
indicator

C-Current. Check if voltage
under 3V this connects to
A2 of Synerduino

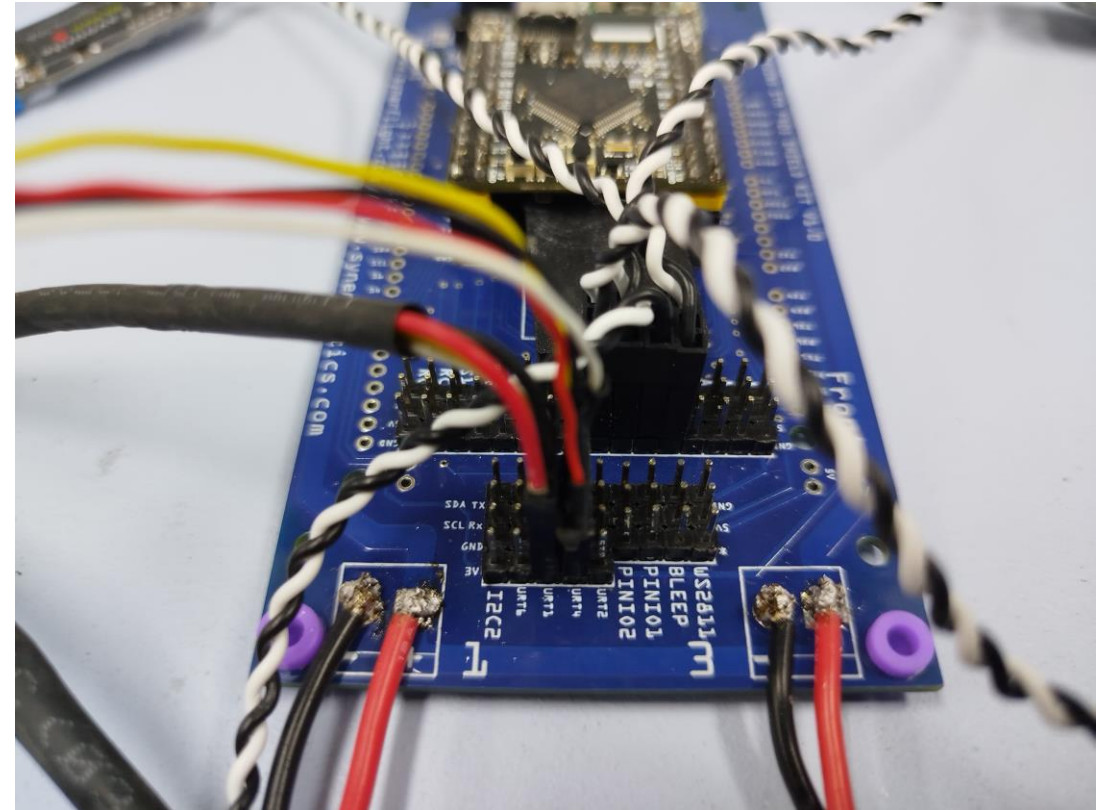
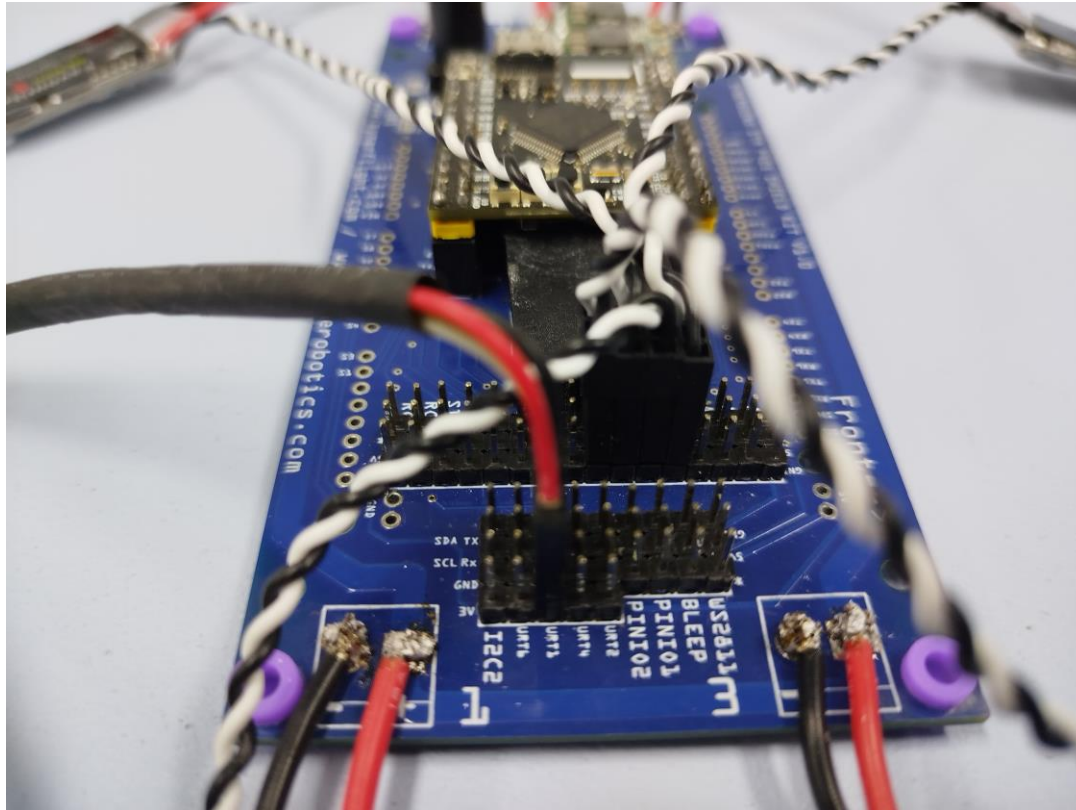
POWER



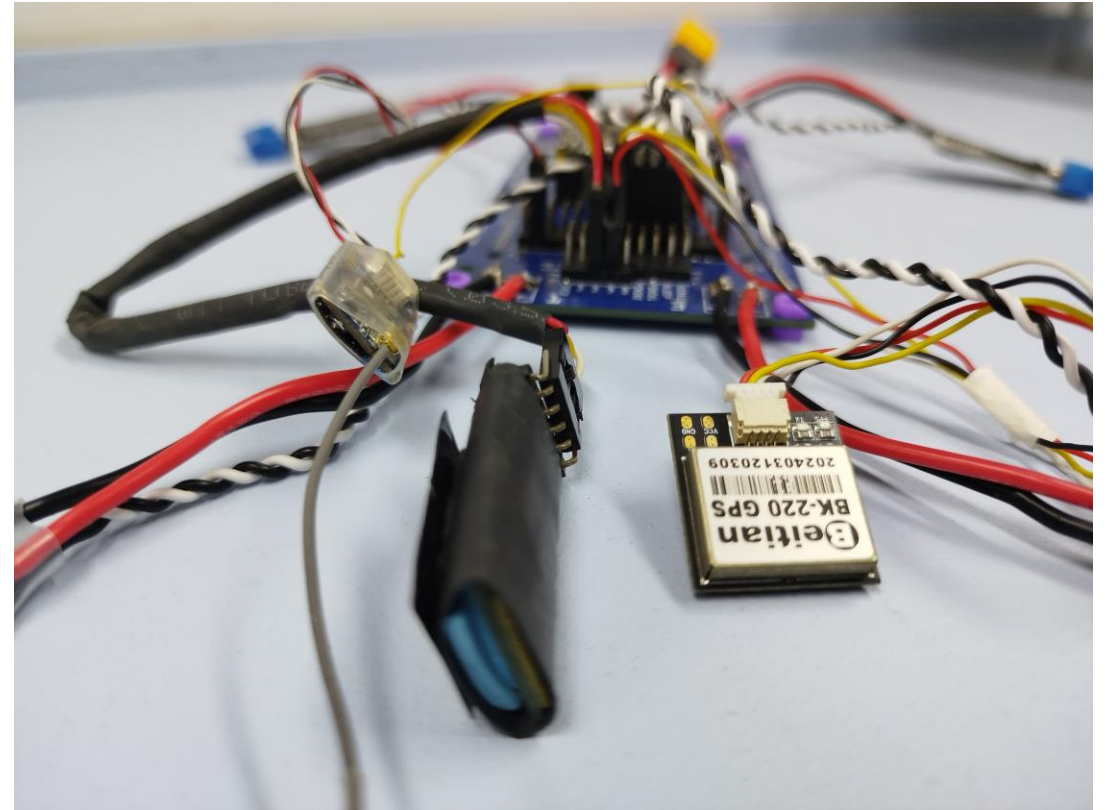
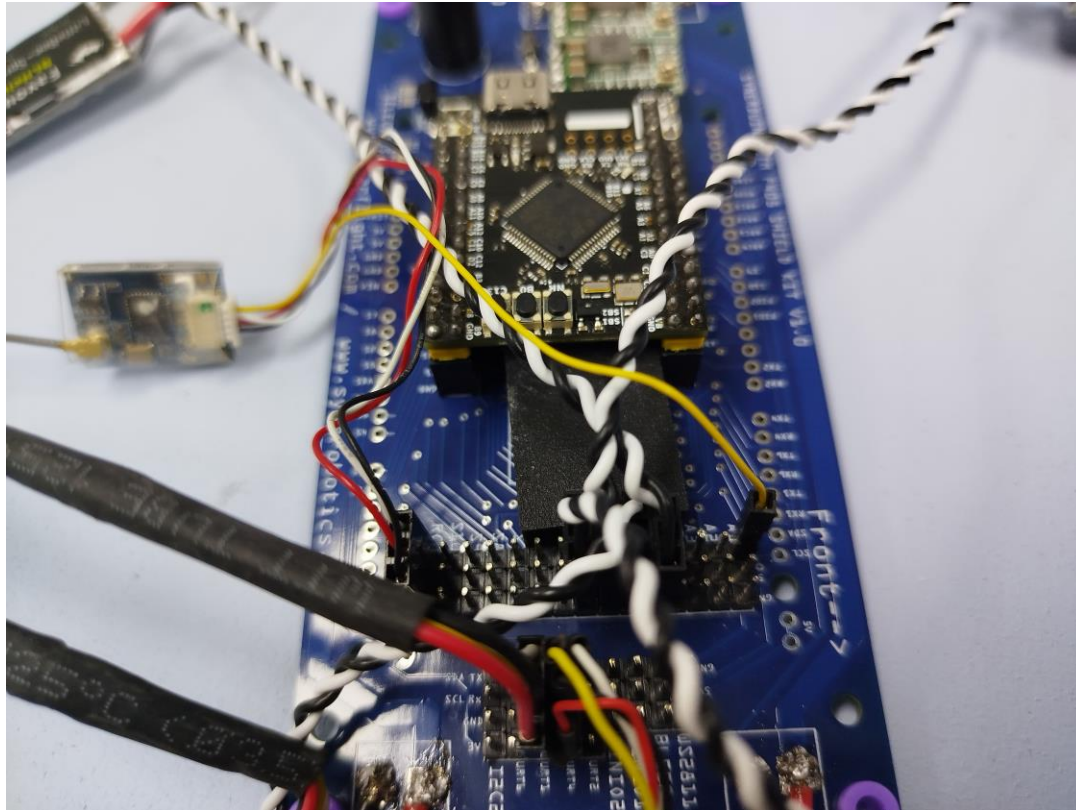
ESC INSTALLATION



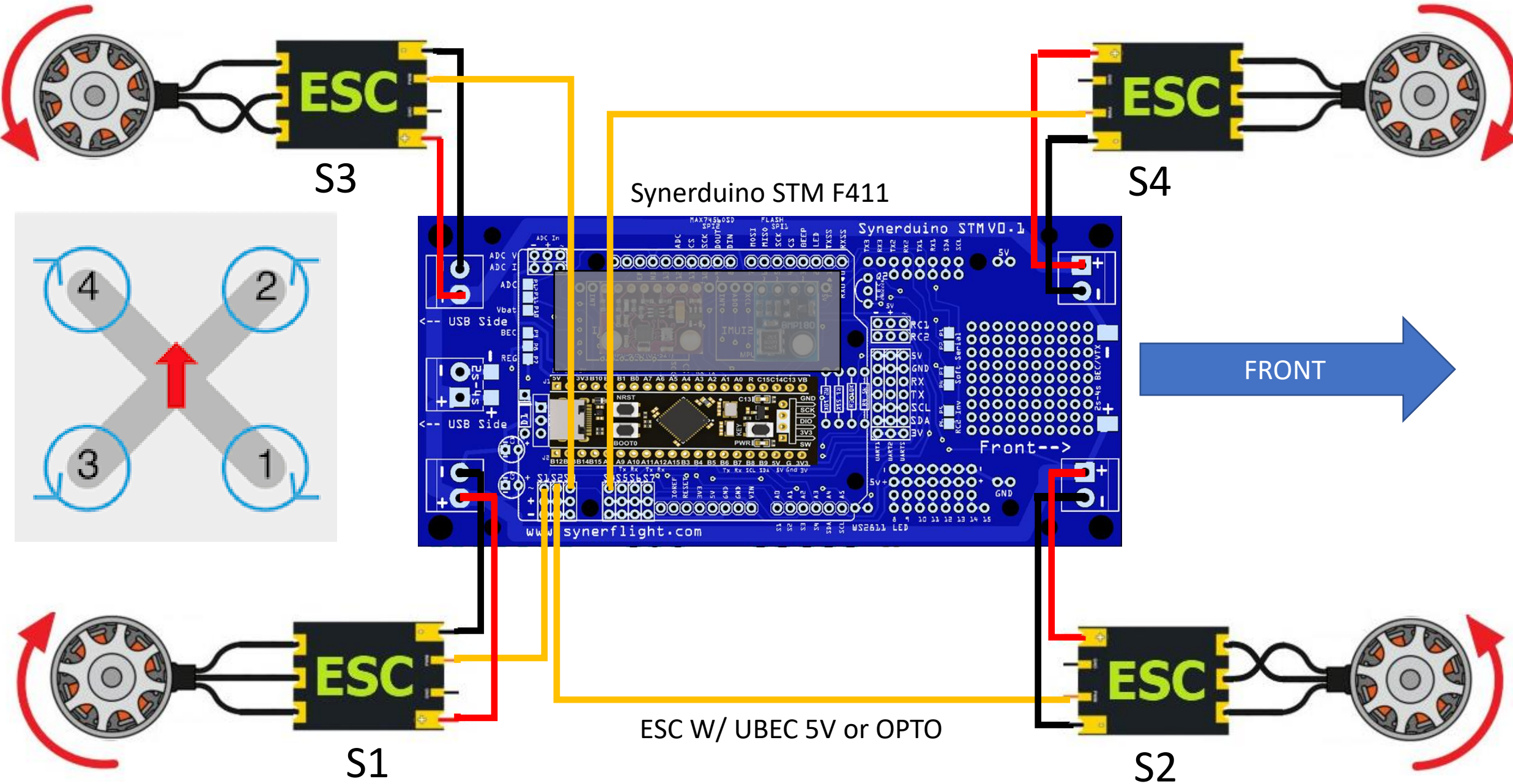
ASSEMBLY



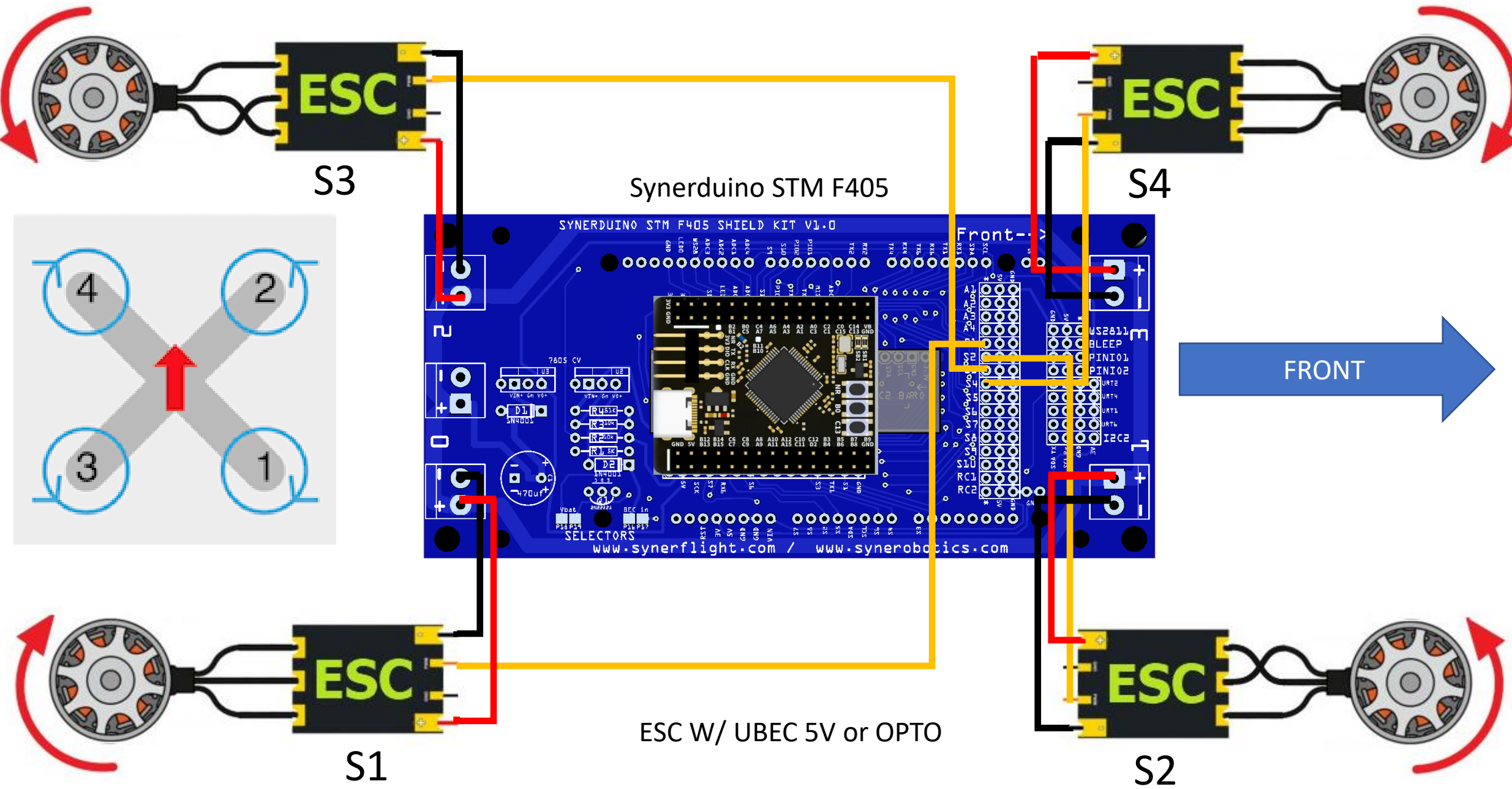
ASSEMBLY



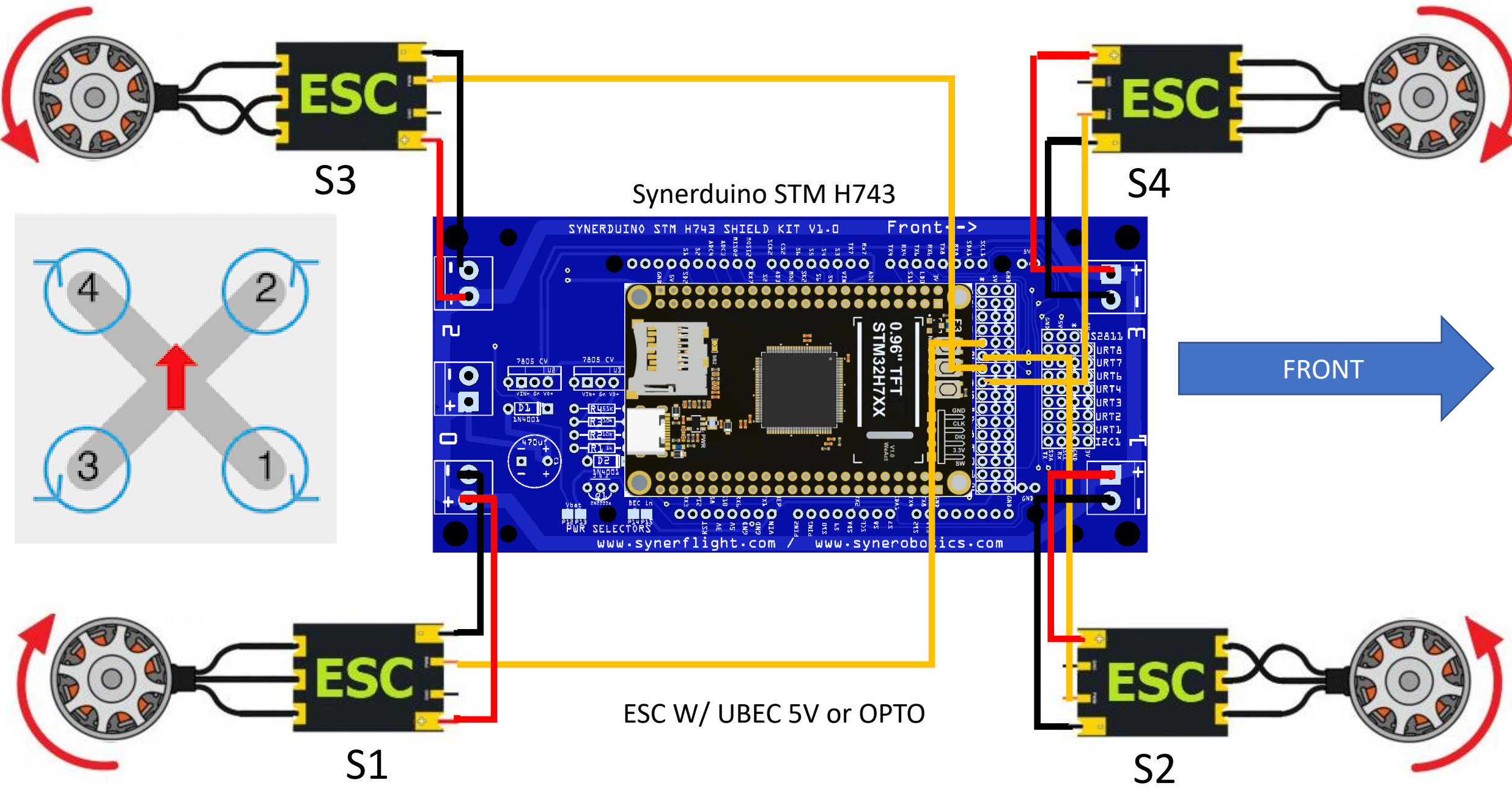
Multicopter Setup INAV



Multicopter Setup INAV



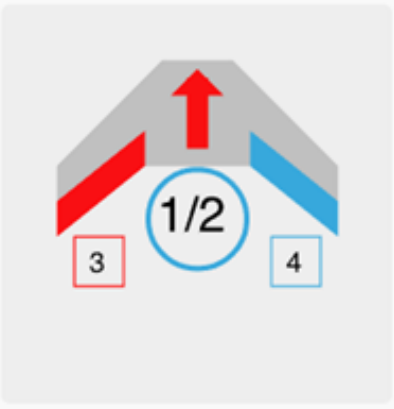
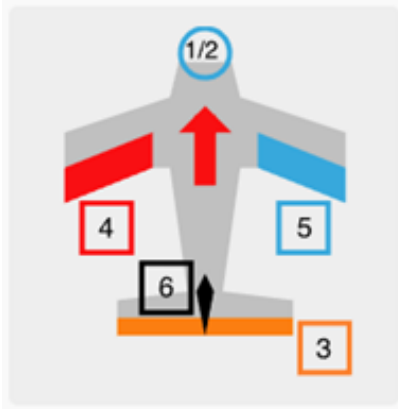
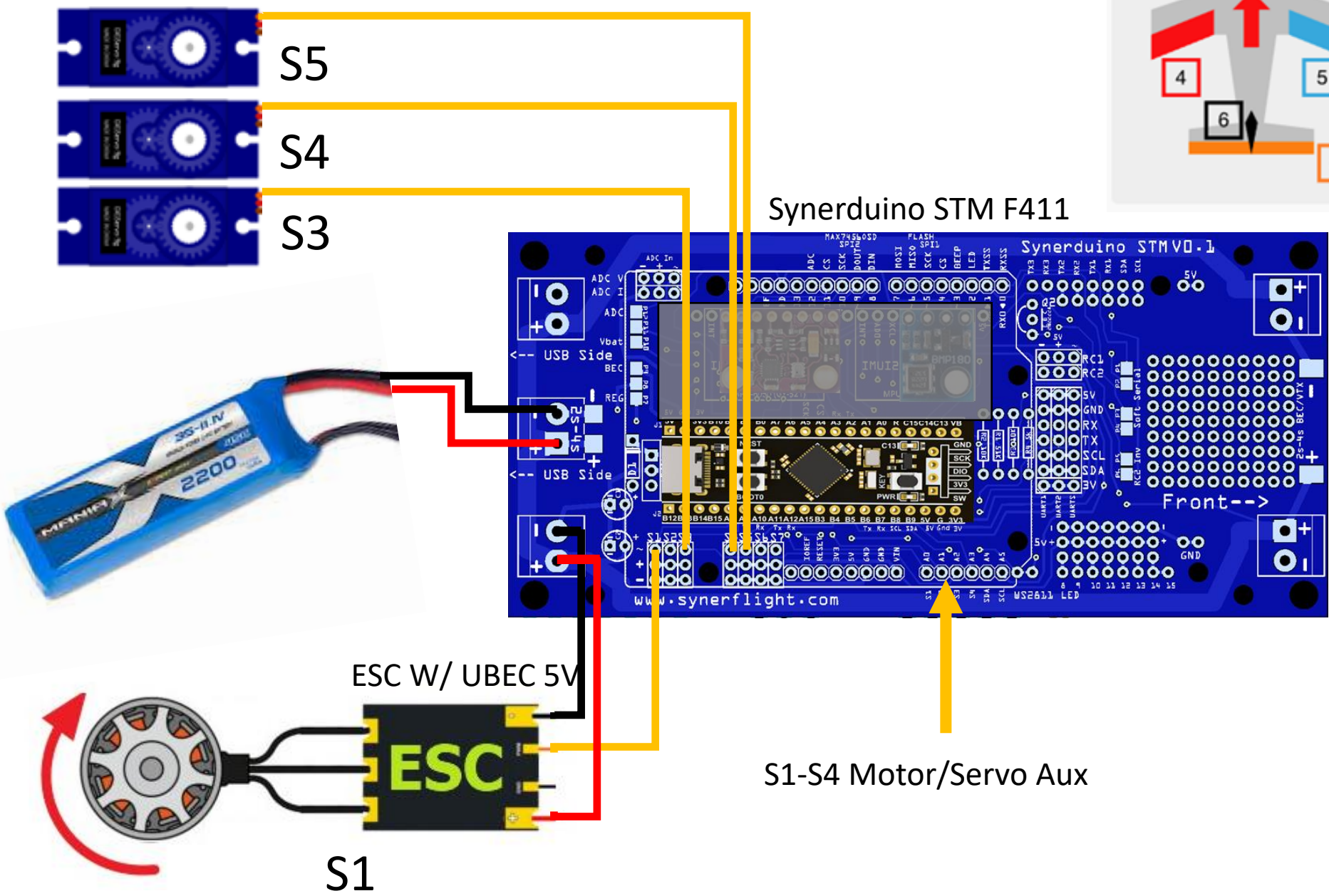
Multicopter Setup INAV



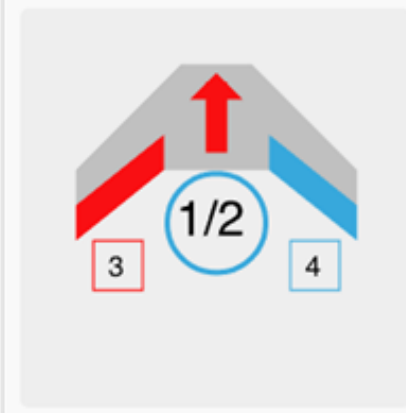
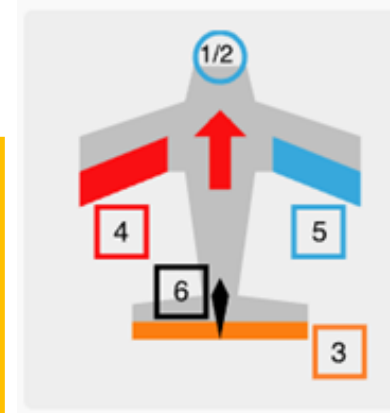
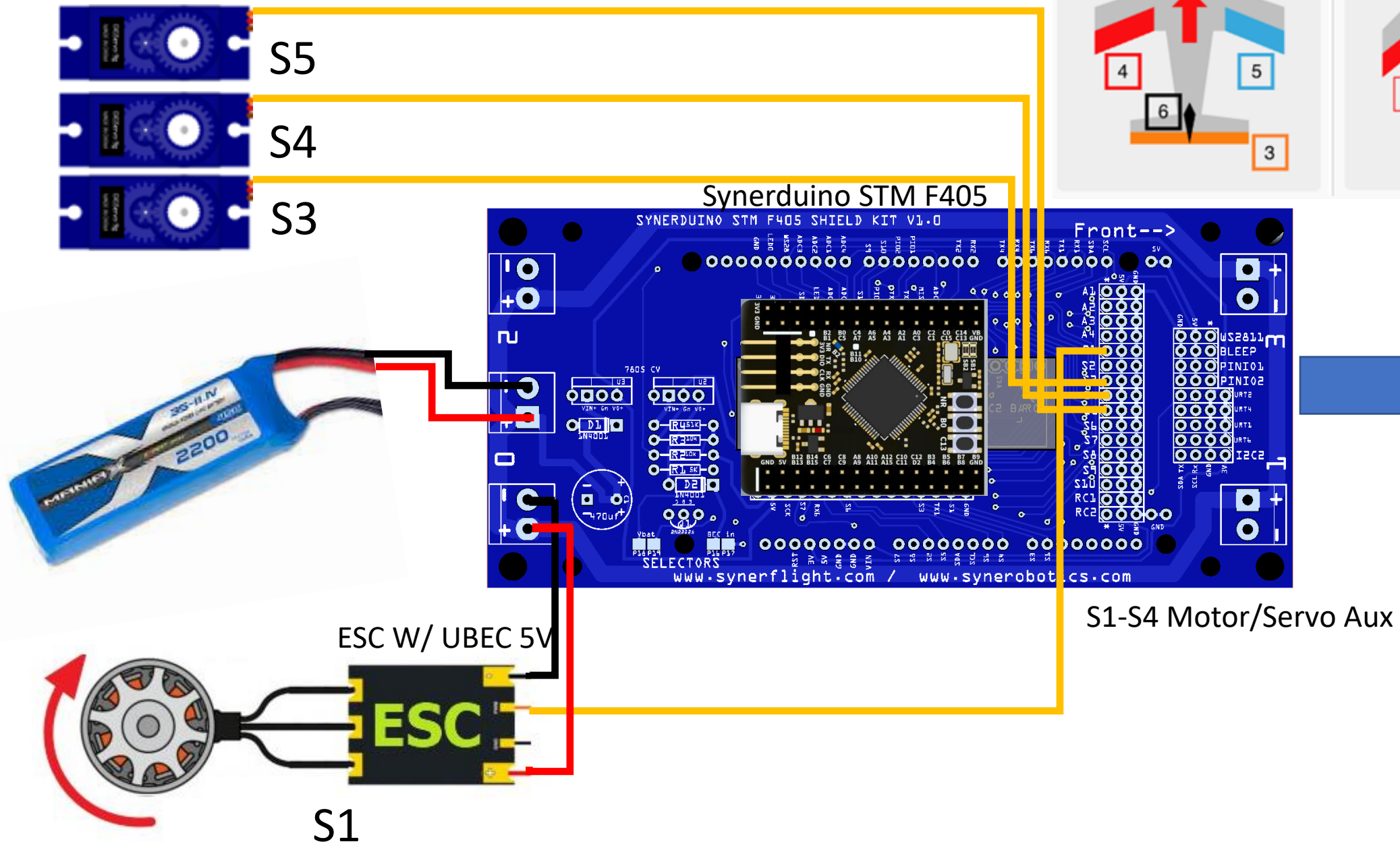
Fixwing



Fixwing Setup INAV



Fixwing Setup INAV



Fixwing Setup INAV

