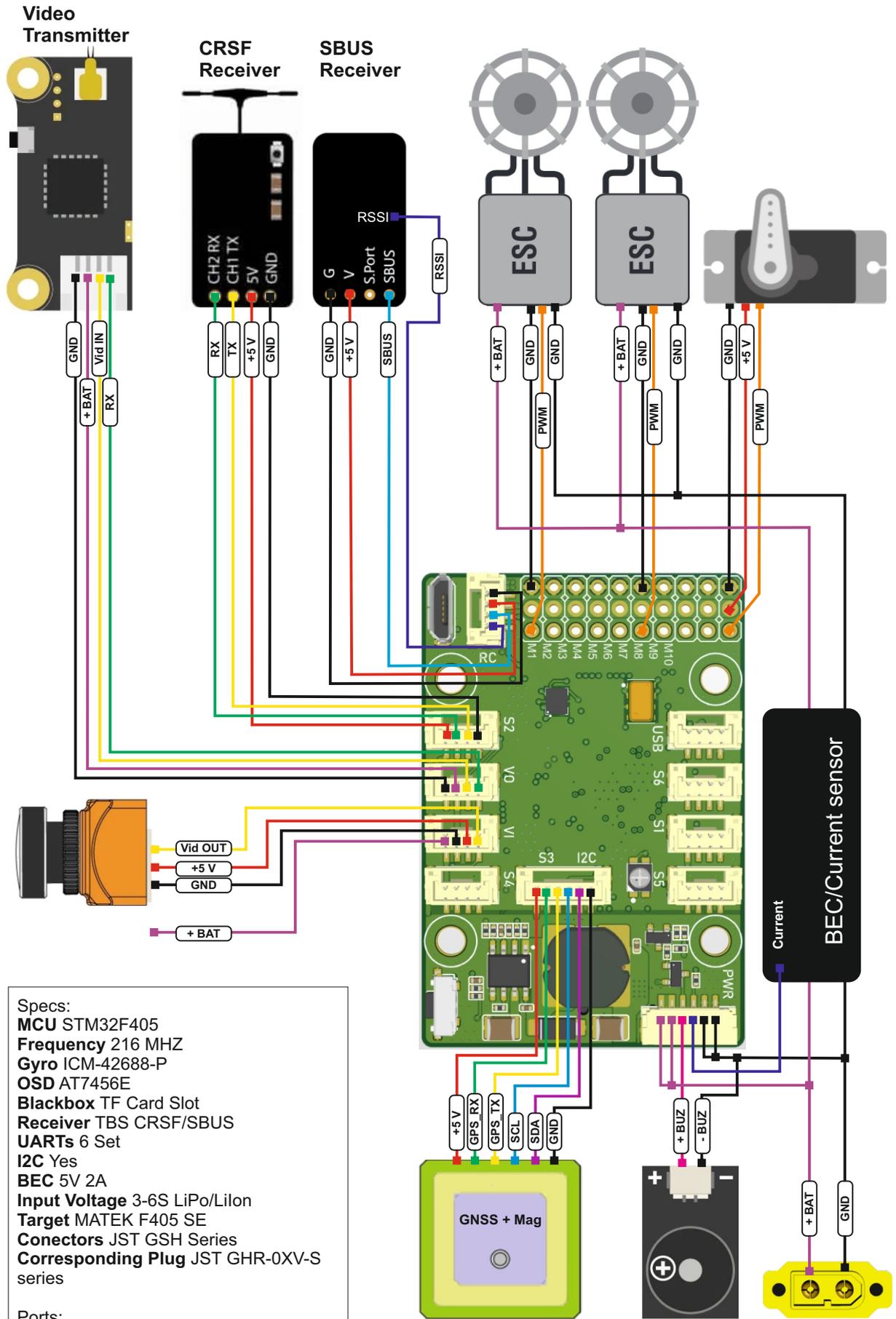


# F405 WING RE FLIGHT Controller



Pinout	
	1 2 3 4
UARTs S1, S2, S4, S5, S6	1 +5 V 2 UART_TX 3 UART_RX 4 GND
UART S3 + I2C	1 +5 V 2 UART_TX 3 UART_RX 4 SCL 5 SDA 6 GND
USB	1 +5 V 2 D- 3 D+ 4 GND
VI - Video In	1 + BAT 2 GND 3 +5 V 4 Video In
VO - Video OUT	1 GND 2 + BAT 3 Video OUT 4 UART6_TX
RC	1 RSSI 2 SBUS 3 +5 V 4 GND
PWR	1 + BAT 2 + BAT 3 + BUZ 4 Current Sen 5 GND 6 GND

**Specs:**  
**MCU** STM32F405  
**Frequency** 216 MHZ  
**Gyro** ICM-42688-P  
**OSD** AT7456E  
**Blackbox** TF Card Slot  
**Receiver** TBS CRSF/SBUS  
**UARTs** 6 Set  
**I2C** Yes  
**BEC** 5V 2A  
**Input Voltage** 3-6S LiPo/Lilon  
**Target** MATEK F405 SE  
**Conectors** JST GSH Series  
**Corresponding Plug** JST GHR-0XV-S series

**Ports:**  
 UART3+I2C - GNSS Receiver  
 UART6 - Video Transmitter Control

**Config:**  
 Voltage scale 1095  
 Gyro alignment in iNav:  
 CLI: set align\_board\_pitch=1800