

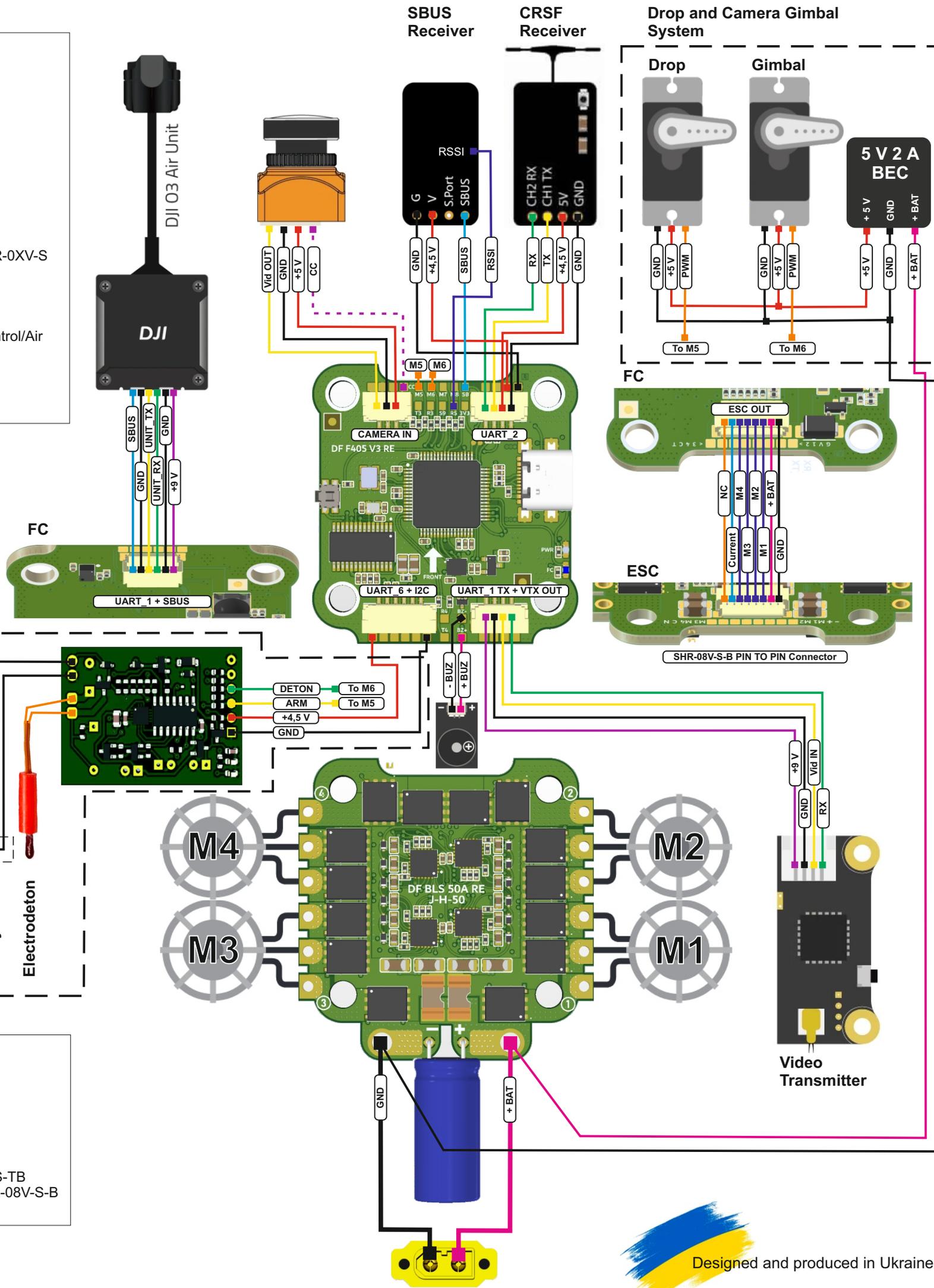
DF F405 V3 RE FC + BLS 50A RE ESC Wiring Diagram

Specs FC:
MCU STM32F405
Frequency 216 MHZ
Gyro BMI270
Baro DPS310
OSD AT7456E
Receiver TBS CRSF/SBUS
UARTs 5 Set
I2C Yes
BEC 5V 2A + 9V 2A
Input Voltage 3-6S LiPo/Lilon
Target SpeedyBee F405 V3
Connectors JST GHS Series
Corresponding Plug JST GHR-0XV-S series

Ports:
 UART6+I2C - GNSS Receiver
 UART1 - Video Transmitter Control/Air Unit

Config for BetaFlight:
 Amperage Meter scale: 125

Pinout	
1 2 3 4	1 2 3 4 5 6
CAMERA IN	1 +5 V 2 GND 3 CVBS IN
UART_6 + I2C	1 +4,5 V 2 UART6_TX 3 UART6_RX 4 SCL 5 SDA 6 GND
UART_1 TX + VTX OUT	1 +9 V 2 GND 3 Video Out 4 UART1_TX
UART_2	1 GND 2 +4,5V 3 UART2_RX 4 UART2_TX
UART_1 + SBUS	1 +9 V 2 GND 3 UART1_TX 4 UART1_RX 5 GND 6 SBUS
ESC OUT	1 TLM IN 2 Current IN 3 M4 4 M3 5 M2 6 M1 7 + BAT 8 GND



Specs ESC:
MCU EFM8BB21
Frequency 50 MHZ
Type BLHELI_S
Target J-H-50
Firmware Biheli_S, Bluejay
Input Voltage 3-6S LiPo/Lilon
Max Current Per Motor 50 A
Connectors JST SM08B-SRSS-TB
Corresponding Plug JST SHR-08V-S-B series