

1 2 3 4 5 6

STM32F405 Carrier Board – Main

A

1_Power_Management

3V3_OUTD

5V_BUCKD

VBAT_MOND

GNDD

File: 1_Power_Management.kicad_sch

2_STM32_Module_Interface

3V3_OUT

5V_BUCK

VBAT_MON

GND

File: 2_STM32_Module_Interface.kicad_sch

3_Motor_ESC_Control

5V_BUCK

PWM_ESC

PWM_SERVO

GND

File: 3_Motor_ESC_Control.kicad_sch

B

4_User_Interface

3V3_OUT

GND

I2C1_SCL

I2C1_SDA

BTN_ACCELERATED

BTN_DECELERATED

BTN_ESTOPD

BTN_HOMED

BTN_STEER_LEFTD

BTN_STEER_RIGHTD

USER_LED1

USER_LED2

USER_LED3

File: 4_User_Interface.kicad_sch

NRF_CED

NRF_IRQ

SPI1_MISO

SPI1_MOSI

SPI1_NSS

SPI1_SCK

I2C1_SCL

I2C1_SDA

CAN1_RXC

CAN1_TXD

File: 2_STM32_Module_Interface.kicad_sch

5_Communication_Interfaces

3V3_OUT

5V_BUCK

GND

USART2_RX

USART2_TX

I2C1_SCL

I2C1_SDA

NRF_CE

NRF_IRQ

QSPI1_MISO

QSPI1_MOSI

QSPI1_NSS

QSPI1_SCK

QCAN1_RX

QCAN1_TX

File: 5_Communication_Interfaces.kicad_sch

C

D

H1
MountingHole_Pad

H2
MountingHole_Pad

H3
MountingHole_Pad

H4
MountingHole_Pad

Month 1 Development Board

ValaviAV

Sheet: /

File: FuSa1.kicad_sch

Title:

Size: A4 | Date:

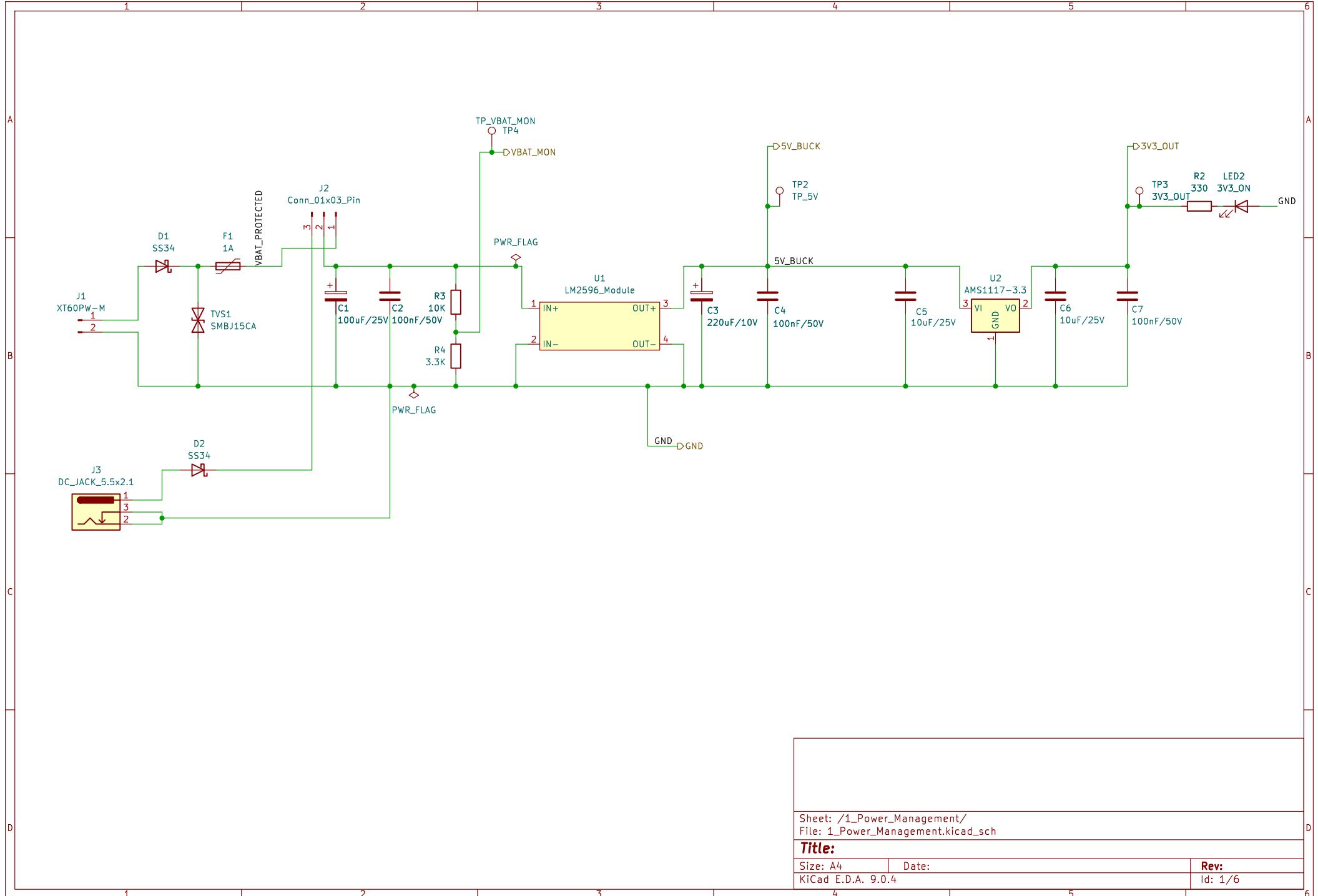
KiCad E.D.A. 9.0.4

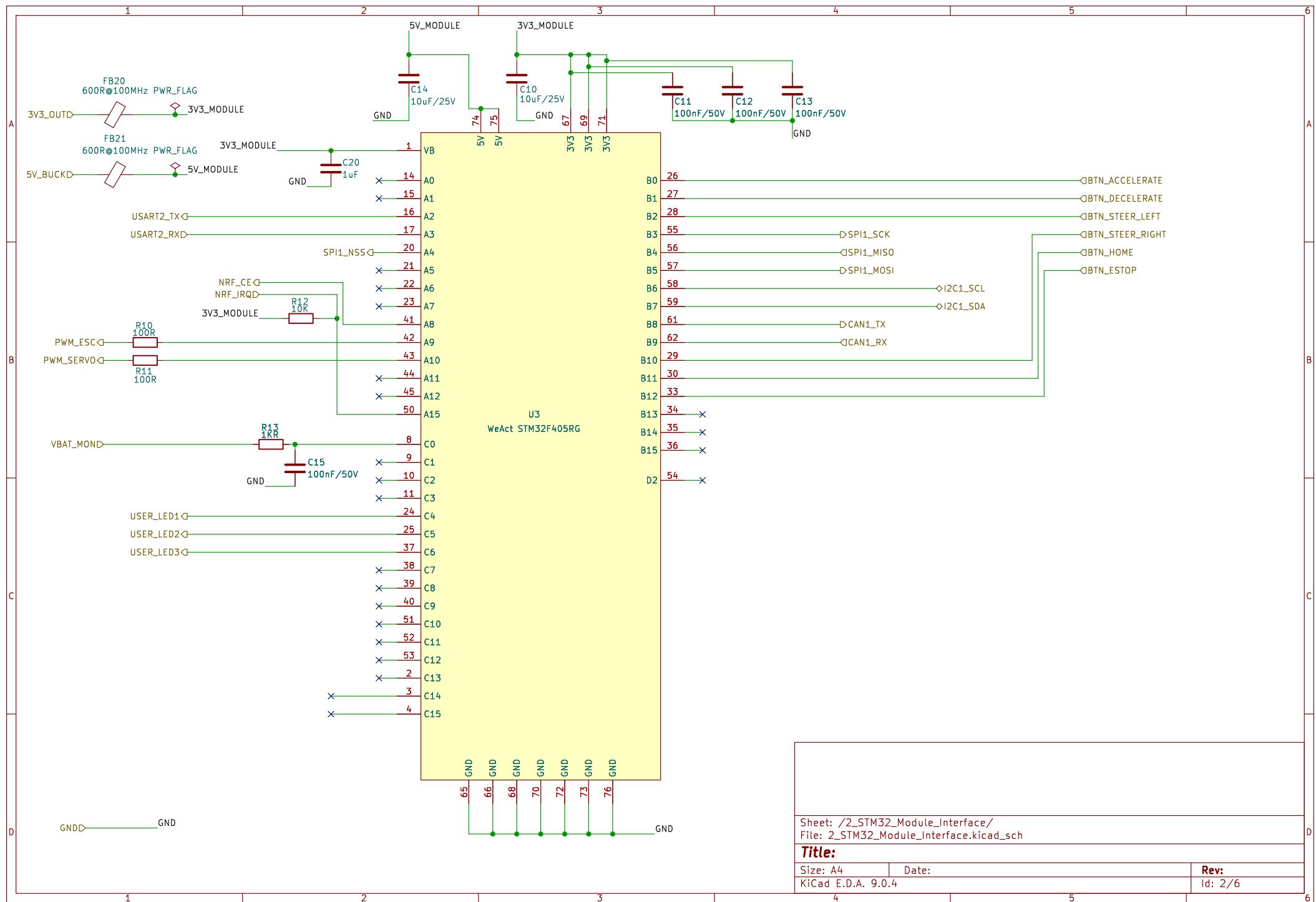
Rev: 1.0

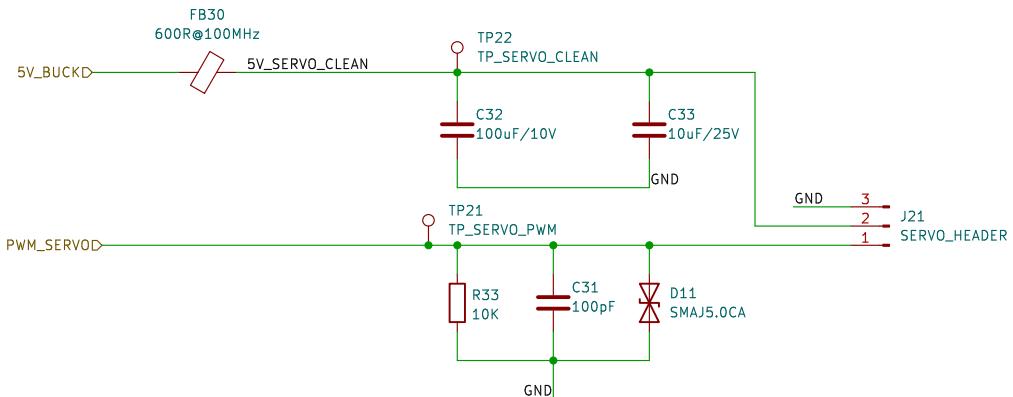
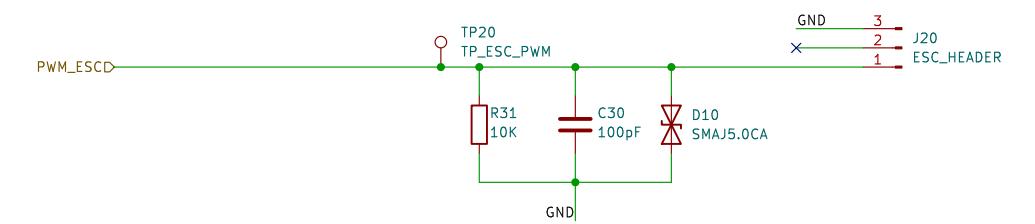
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1 2 3 4 5 6







GND ↔ GND

Sheet: /3_Motor_ESC_Control/
File: 3_Motor_ESC_Control.kicad_sch

Title:

Size: A4 | Date:
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Rev:
Id: 3/6

