

Sheet: Power Management

VBUS_SENSED
TEMP_SENSED

CTRL_HI
CTRL_LO

File: power_management.sch

Sheet: Microcontroller Interface

VBUS_S
AUX_TEMP

AUX_H
AUX_L

EN_GATE
nFAULT

SPI_SCK
SPI_MISO
SPI_MOSI
SPI_M0_nCS
SPI_M1_nCS

M0_AH
M0_AL
M0_BH
M0_BL
M0_CH
M0_CL

M0_TEMP
M0_S01
M0_S02

M1_AH
M1_AL
M1_BH
M1_BL
M1_CH
M1_CL

M1_TEMP
M1_S01
M1_S02

File: microcontroller_interface.sch

Sheet: I/O Interface

MCU_nRESET
MCU_SWDIO
MCU_SWCLK

MCU_BOOT0

GPIO_1_FLT
GPIO_2_FLT
GPIO_3
GPIO_4
GPIO_5
GPIO_6_FLT
GPIO_7_FLT
GPIO_8_FLT

USB_DM
USB_DP

CAN_R
CAN_D

M0_ENC_A
M0_ENC_B
M0_ENC_Z

M1_ENC_A
M1_ENC_B
M1_ENC_Z

File: io_interface.sch

Sheet: Motor Driver

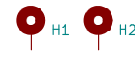
SPI_nCS
SPI_MOSI
SPI_MISO
SPI_SCK

PWM_AH
PWM_AL
PWM_BH
PWM_BL
PWM_CH
PWM_CL

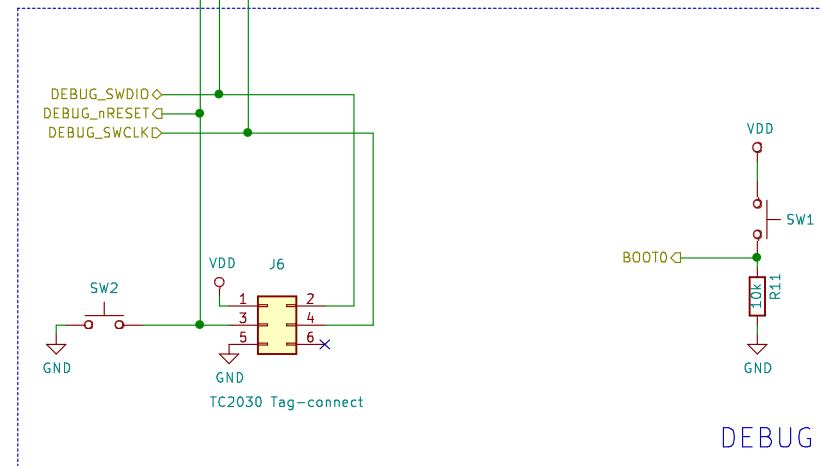
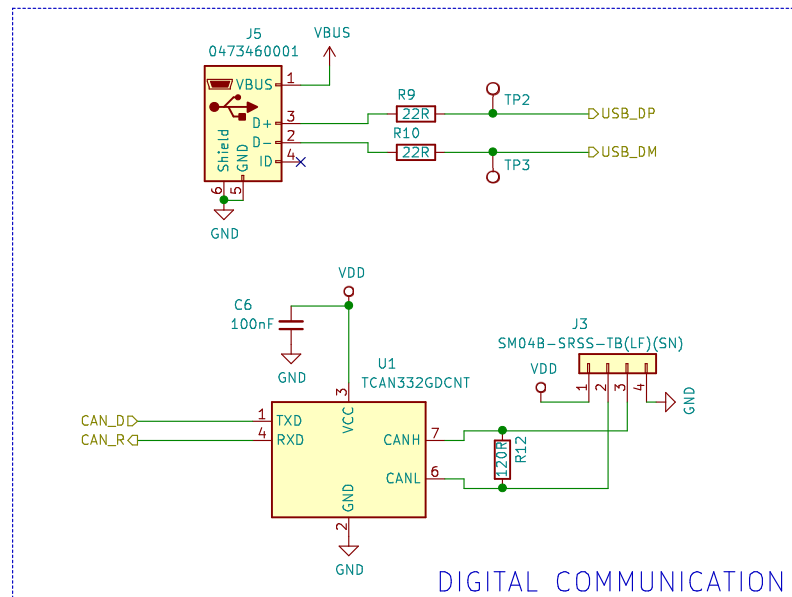
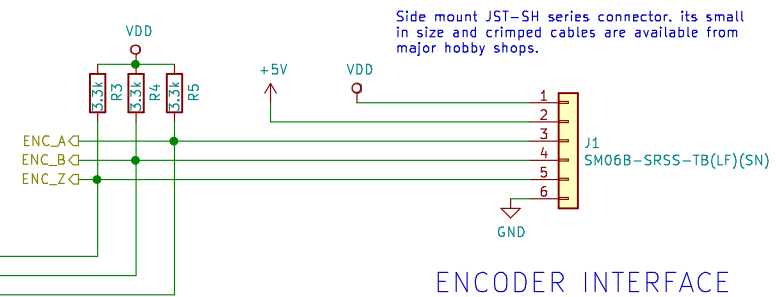
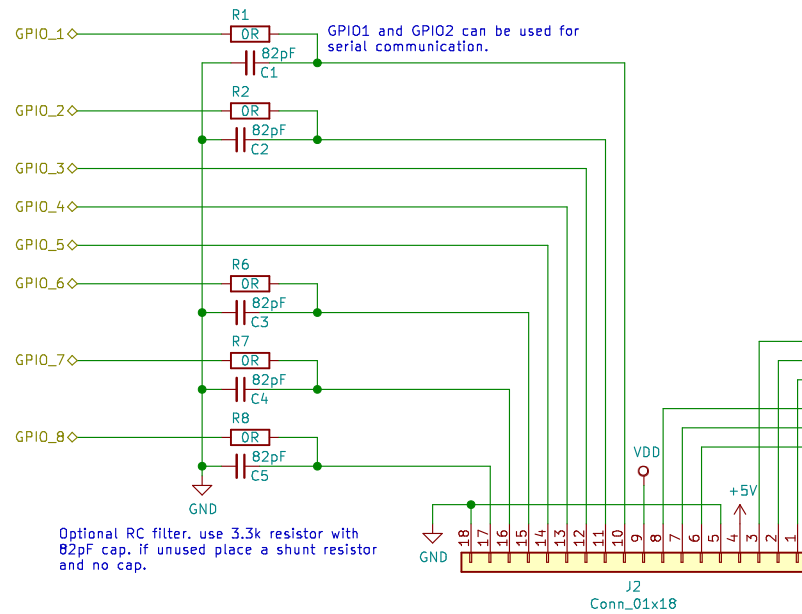
IPWRGD
nOCTW
nFAULT
EN_GATE

TEMP_SENSED
CSENSE_1D
CSENSE_2D

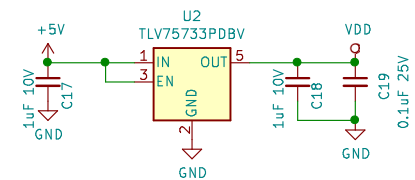
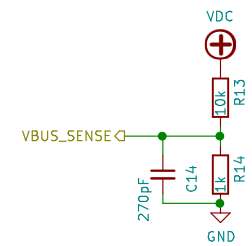
File: motor_driver.sch



Sheet: /	
File: bldc_motor_cntrller.sch	
Title: BLDC Motor Controller	
Size: A4	Date: 2020-01-29
KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1	
Rev: 1.0.0	
Id: 1/5	



Sheet: /I/O Interface/	
File: io_interface.sch	
Title: I/O Interface	
Size: A4	Date: 2020-01-29
KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1	Rev: 1.0.0
	Id: 2/5



Rev: 1.0.0
Id: 3/5

