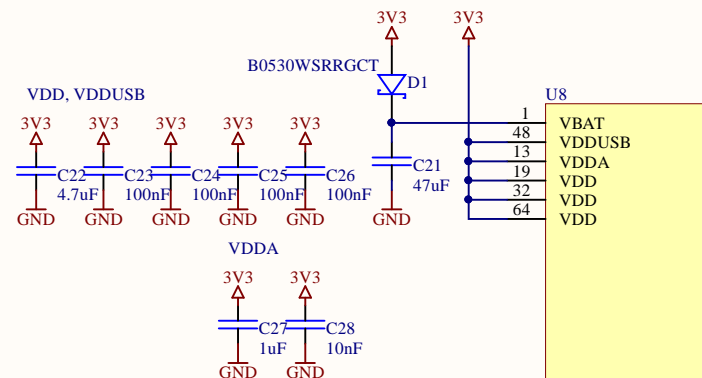


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PA0 14 SERVO1
PA1 15 SERVO2
PA2 16 USB_DET
PA3 17 BUZZER
PA4 20 LED1
PA5 21 SPI1_SCK
PA6 22 QSPI_IO3
PA7 23 QSPI_IO2
PA8 41 PYRO1
PA9 42 UART1_TX
PA10 43 UART1_RX
PA11 44 USB_DM
PA12 45 USB_DP
PA13 46 SWDIO
PA14 49 SWCLK
PA15 50 IO1

PB0 26 QSPI_IO1
PB1 27 QSPI_IO0
PB2 28 LED2
PB3 55 CS_IMU1
PB4 56 SPI1_MISO
PB5 57 SPI1_MOSI
PB6 58 INT_ACCEL
PB7 59 IO3
PB8 61 CAN_RX
PB9 62 CAN_TX
PB10 59 QSPI_CLK
PB11 60 QSPI_NCS
PB12 33 CS_BARO3
PB13 34 SPI2_SCK
PB14 35 SPI2_MISO
PB15 36 SPI2_MOSI

PC0 8 V_PYRO1
PC1 9 V_PYRO2
PC2 10 V_PYRO3
PC3 11 V_BAT
PC4 24 ~~IO1~~
PC5 25 ~~IO2~~
PC6 37 CS_BARO2
PC7 38 CS_BARO1
PC8 39 PYRO3
PC9 40 PYRO2
PC10 51 IO2
PC11 52 CS_MAG
PC12 53 CS_ACCEL
PC13 54 CS_IMU2

PD2 54 CS_IMU2

U8
1 VBAT
48 VDDUSB
13 VDDA
19 VDD
32 VDD
64 VDD

3 PC14-OSC32_IN
4 PC15-OSC32_OUT
5 PH0-OSC_IN
6 PH1-OSC_OUT

PH3-BOOT0

RST

12 VSSA
18 VSS
31 VSS
47 VSS
63 VSS

STM32L433RCT

SPI1_SCK SPI SCKL
SPI1_MOSI MOSI
SPI1_MISO MISO

CS_IMU1 CS_IMU1
CS_IMU2 CS_IMU2
CS_ACCEL CS_ACCEL
INT_ACCEL INT_ACCEL
CS_MAG CS_MAG

SPI2_SCK SPI SCKL
SPI2_MOSI MOSI
SPI2_MISO MISO

CS_BARO1 CS_BARO1
CS_BARO2 CS_BARO2
CS_BARO3 CS_BARO3

QSPI_CLK QSPI CLK
QSPI_IO0 IO0
QSPI_IO1 IO1
QSPI_IO2 IO2
QSPI_IO3 IO3
QSPI_NCS QSPI_NCS

CAN_TX CAN TX
CAN_RX CAN RX

UART1_TX UART TX
UART1_RX UART RX

USB_DP USB DP
USB_DM USB DN
USB_DET USB_DET

V_BAT V_BAT

IO1 IO1

IO2 IO2

IO3 IO3

SERVO1 SERVO1

SERVO2 SERVO2

V_PYRO1 V_PYRO1[1..3]

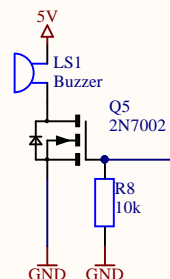
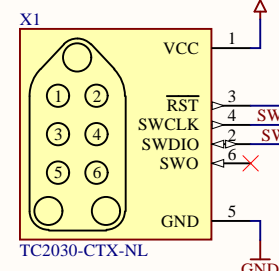
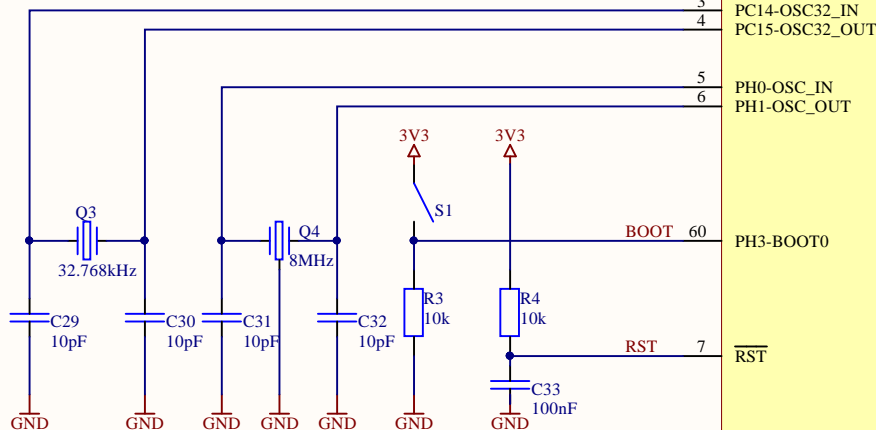
V_PYRO2 V_PYRO2[1..3]

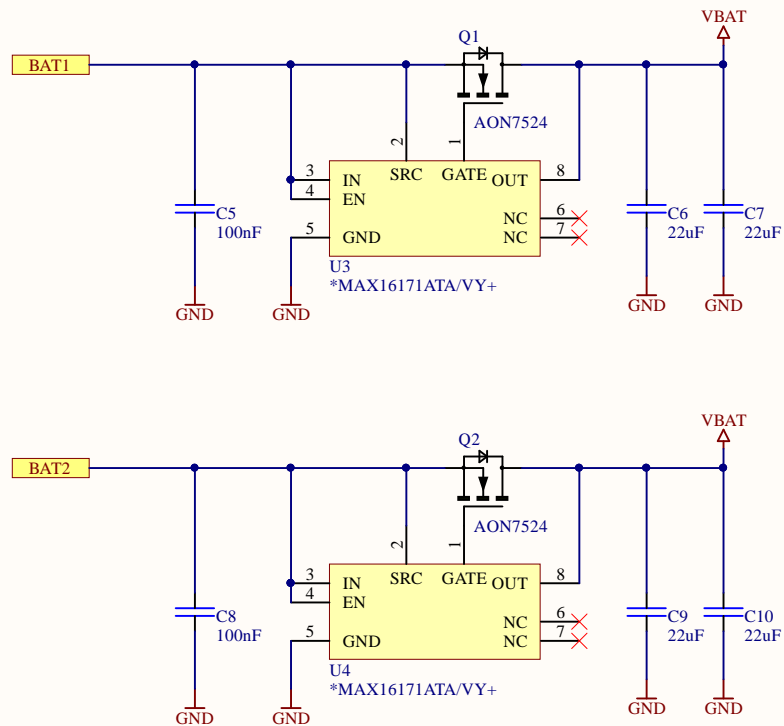
V_PYRO3 V_PYRO3[1..3]

PYRO1 PYRO1[1..3]

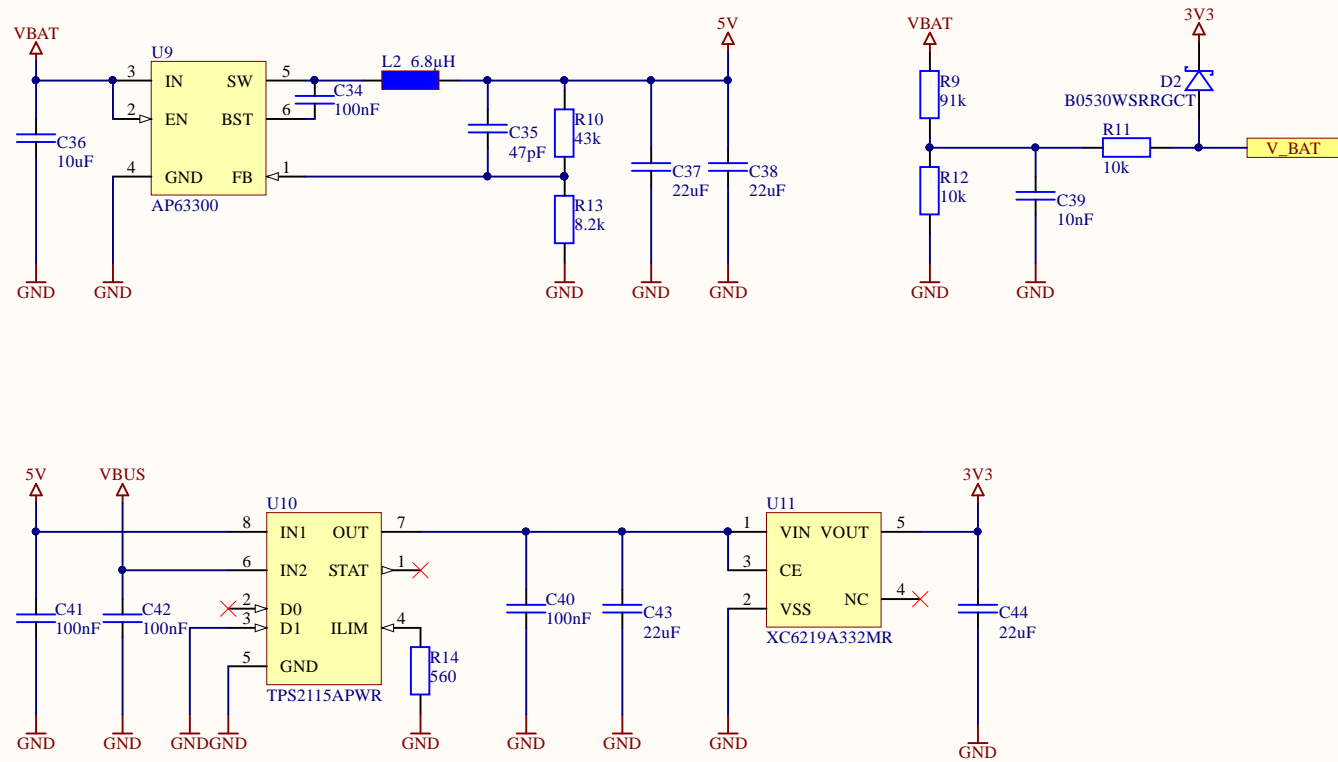
PYRO2 PYRO2[1..3]

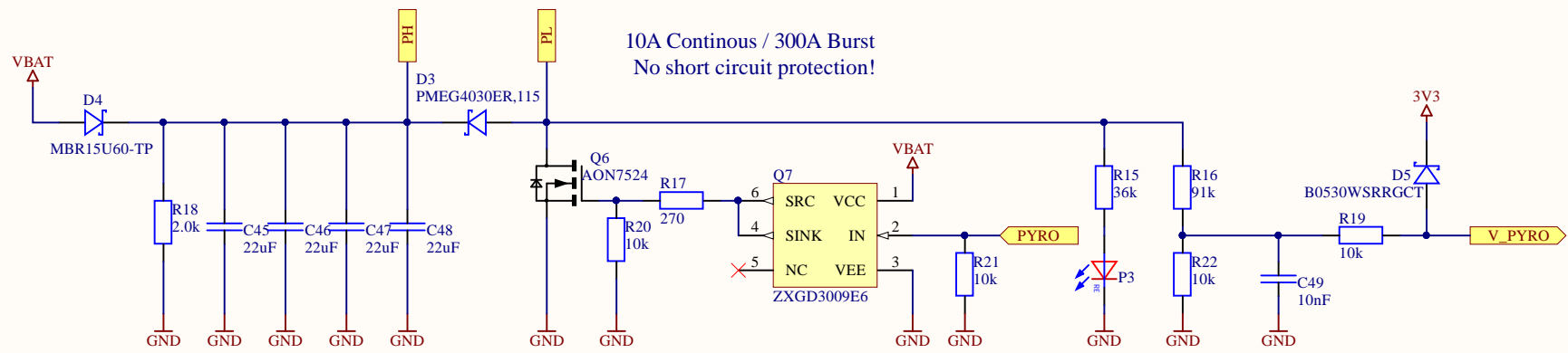
PYRO3 PYRO3[1..3]

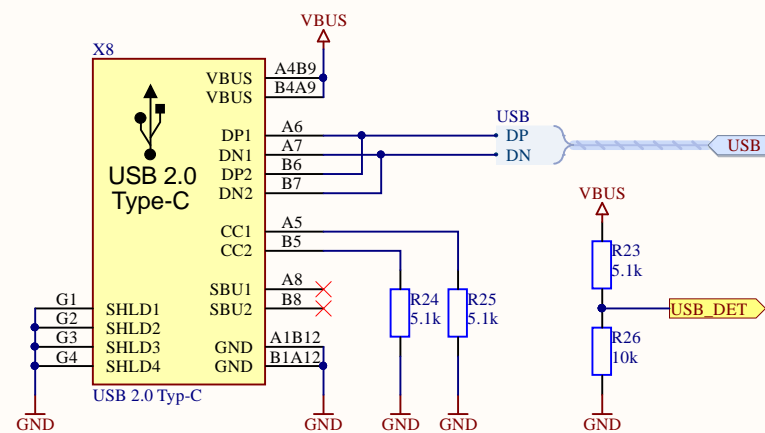


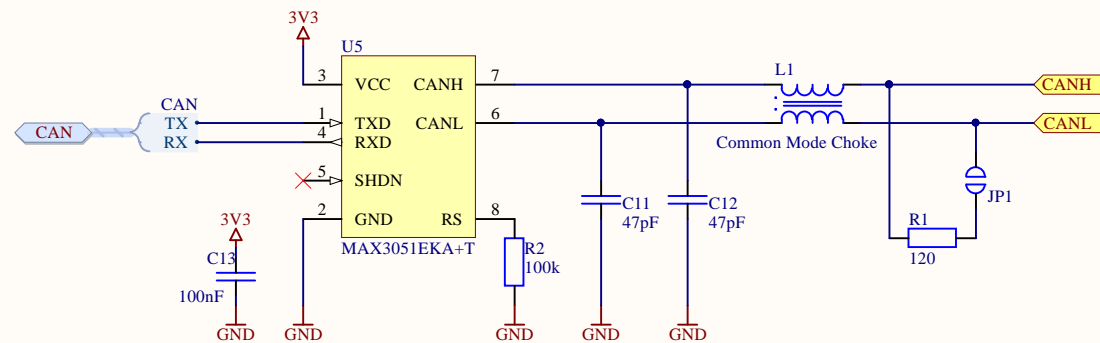


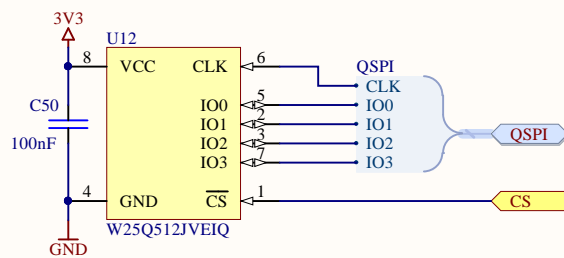
Redundant Battery ORing with ideal Diodes











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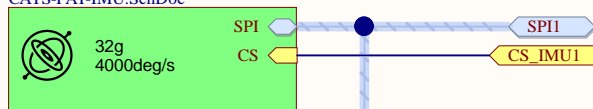
A

B

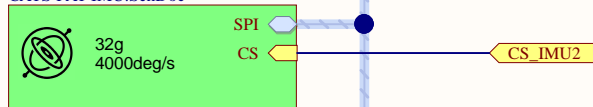
C

D

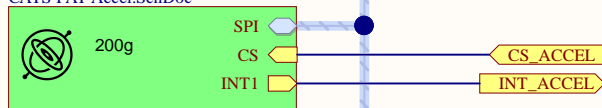
U_CATS-FAT-IMU
CATS-FAT-IMU.SchDoc



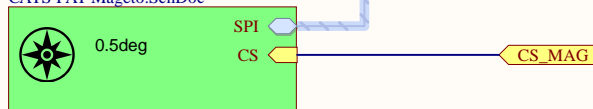
U_CATS-FAT-IMU
CATS-FAT-IMU.SchDoc



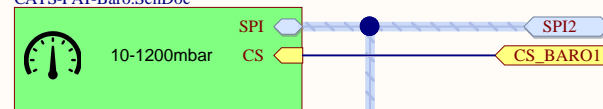
U_CATS-FAT-Accel
CATS-FAT-Accel.SchDoc



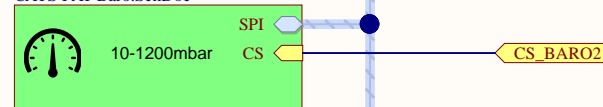
U_CATS-FAT-Mageto
CATS-FAT-Mageto.SchDoc



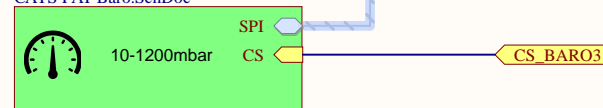
U_CATS-FAT-Baro
CATS-FAT-Baro.SchDoc



U_CATS-FAT-Baro
CATS-FAT-Baro.SchDoc



U_CATS-FAT-Baro
CATS-FAT-Baro.SchDoc



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