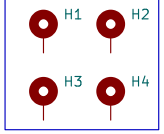
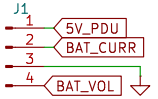
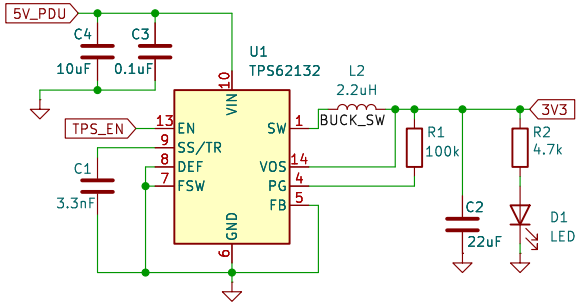
Mounting holes



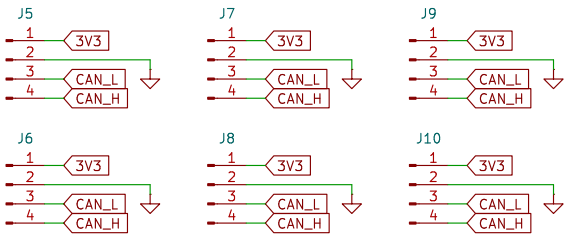
JST connector from PDU



5V -> 3.3V Buck



Outputs to ESCs



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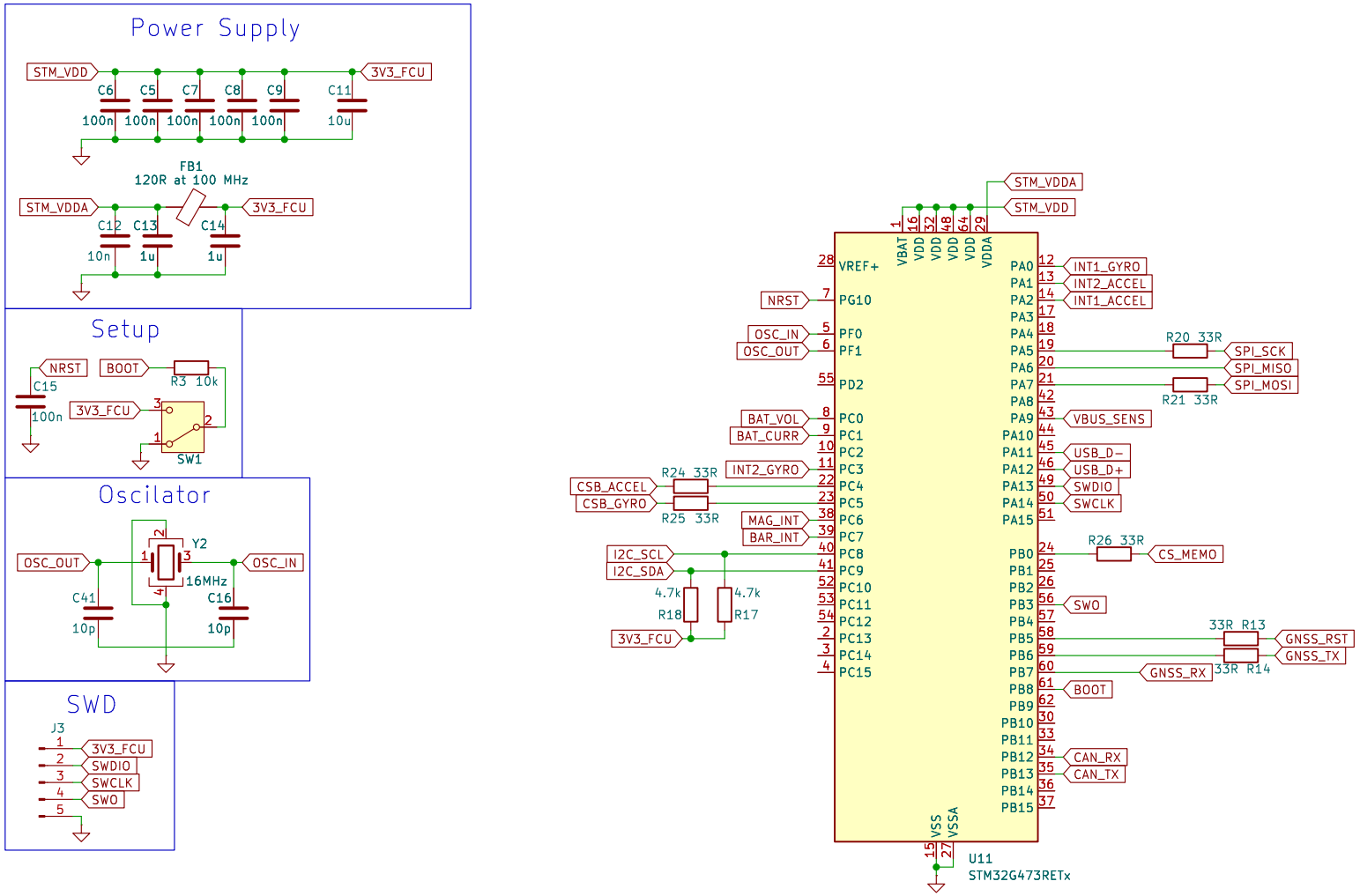
KiCad E.D.A. 9.0.7		Id: 1/3



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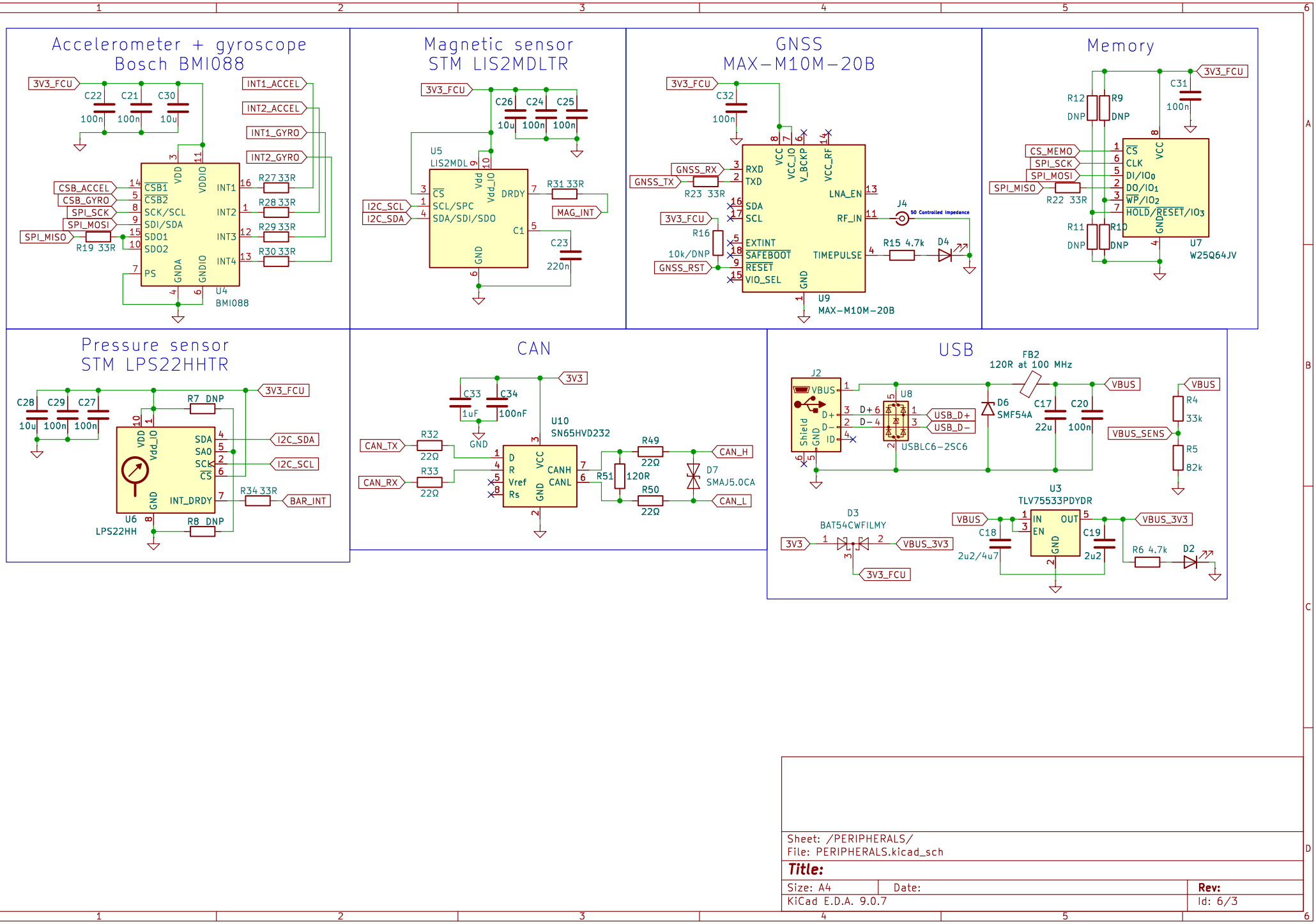
Accelerometer + gyroscope
Bosch BMI088
3V3_FCU
C22 100n
C21 100n
C30 10u
INT1_ACCEL
INT2_ACCEL
INT1_GYRO
INT2_GYRO
CSB_ACCEL
CSB_GYRO
SPI_SCK
SPI_MOSI
SPI_MISO
R19 33R
R27 33R
R28 33R
R29 33R
R30 33R
U4
BMI088
Magnetic sensor
STM LIS2MDLTR
C26 10u
C24 100n
C25 100n
U5
LIS2MDL
I2C_SCL
I2C_SDA
R31 33R
MAG_INT
C23 220n
GNSS
MAX-M10M-20B
C32 100n
GNSS_RX
GNSS_TX
R23 33R
R16 10k/DNP
GNSS_RST
J4
50 Controlled Impedance
R15 4.7k
D4
U9
MAX-M10M-20B
Memory
R12 DNP
R9 DNP
C31 100n
CS_MEMO
SPI_SCK
SPI_MOSI
SPI_MISO
R22 33R
R11 DNP
R10 DNP
U7
W25Q64JV
Pressure sensor
STM LPS22HHTR
C28 10u
C29 100n
C27 100n
R7 DNP
R8 DNP
R34 33R
BAR_INT
U6
LPS22HH
CAN
C33 1uF
C34 100nF
U10
SN65HVD232
CAN_TX
CAN_RX
R32 22Ω
R33 22Ω
R49 22Ω
R51 120R
R50 22Ω
CAN_H
CAN_L
D7
SMAJ5.0CA
USB
J2
FB2
120R at 100 MHz
D6
SMF54A
C17 22u
C20 100n
U8
USBLC6-2SC6
USB_D+
USB_D-
VBUS
VBUS_SENS
R4 33k
R5 82k
U3
TLV75533PDYDR
D3
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C19 2u2
VBUS_3V3
R6 4.7k
D2
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