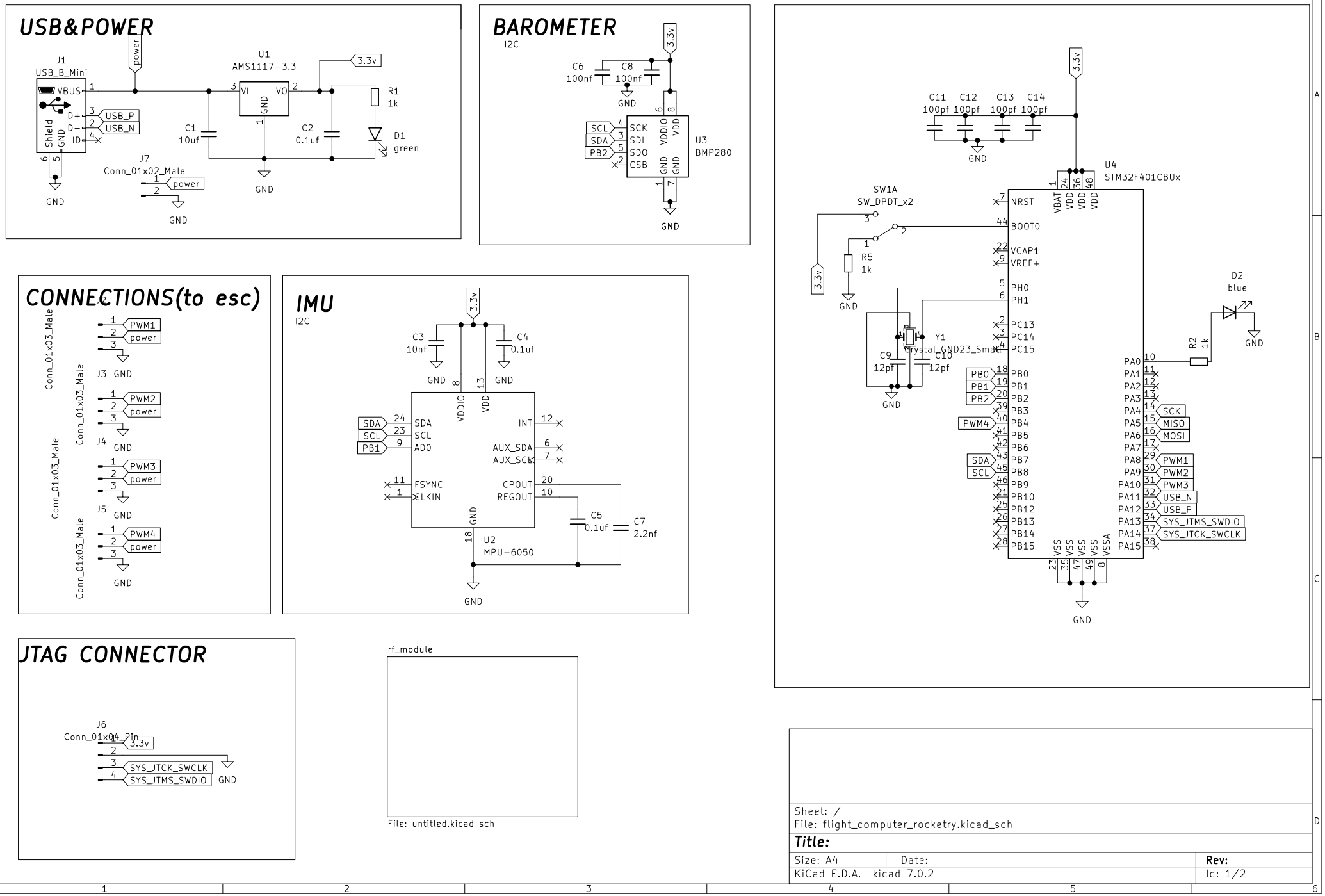
USB&POWER
J1
USB_B_Mini
VBUS
D+
D-
ID
GND
Shield
USB_P
USB_N
power
U1
AMS1117-3.3
VI
VO
GND
3.3v
C1
10uf
C2
0.1uf
R1
1k
D1
green
J7
Conn_01x02_Male
power
GND
BAROMETER
I2C
C6
100nf
C8
100nf
SCL
SDA
PB2
SCK
SDI
SDO
CSB
VDDIO
VDD
U3
BMP280
CONNECTIONS(to esc)
Conn_01x03_Male
PWM1
PWM2
PWM3
PWM4
power
J3
J4
J5
IMU
I2C
C3
10nf
C4
0.1uf
SDA
SCL
AD0
INT
AUX_SDA
AUX_SCL
FSYNC
CLKIN
CPOUT
REGOUT
C5
0.1uf
C7
2.2nf
U2
MPU-6050
JTAG CONNECTOR
J6
Conn_01x04_Pin
SYS_JTCK_SWCLK
SYS_JTMS_SWDIO
rf_module
File: untitled.kicad_sch
C11
100pf
C12
100pf
C13
100pf
C14
100pf
U4
STM32F401CBUx
SW1A
SW_DPDT_x2
R5
1k
NRST
BOOT0
VCAP1
VREF+
PH0
PH1
PC13
PC14
PC15
Y1
Crystal_GND23_Small
C9
12pf
C10
12pf
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PB10
PB12
PB13
PB14
PB15
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13
PA14
PA15
SCK
MISO
MOSI
PWM1
PWM2
PWM3
USB_N
USB_P
SYS_JTMS_SWDIO
SYS_JTCK_SWCLK
R2
1k
D2
blue
VBAT
VDD
VSS
VSSA
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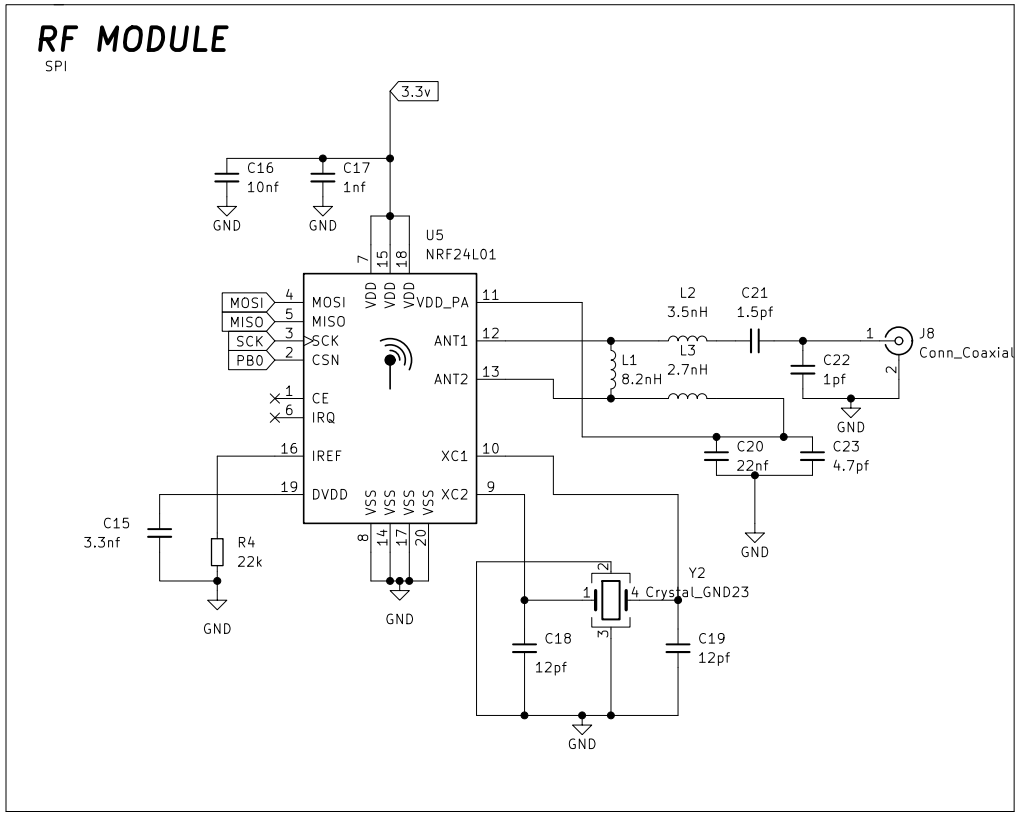
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 7.0.2
Id: 1/2



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Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 7.0.2		Id: 2/2