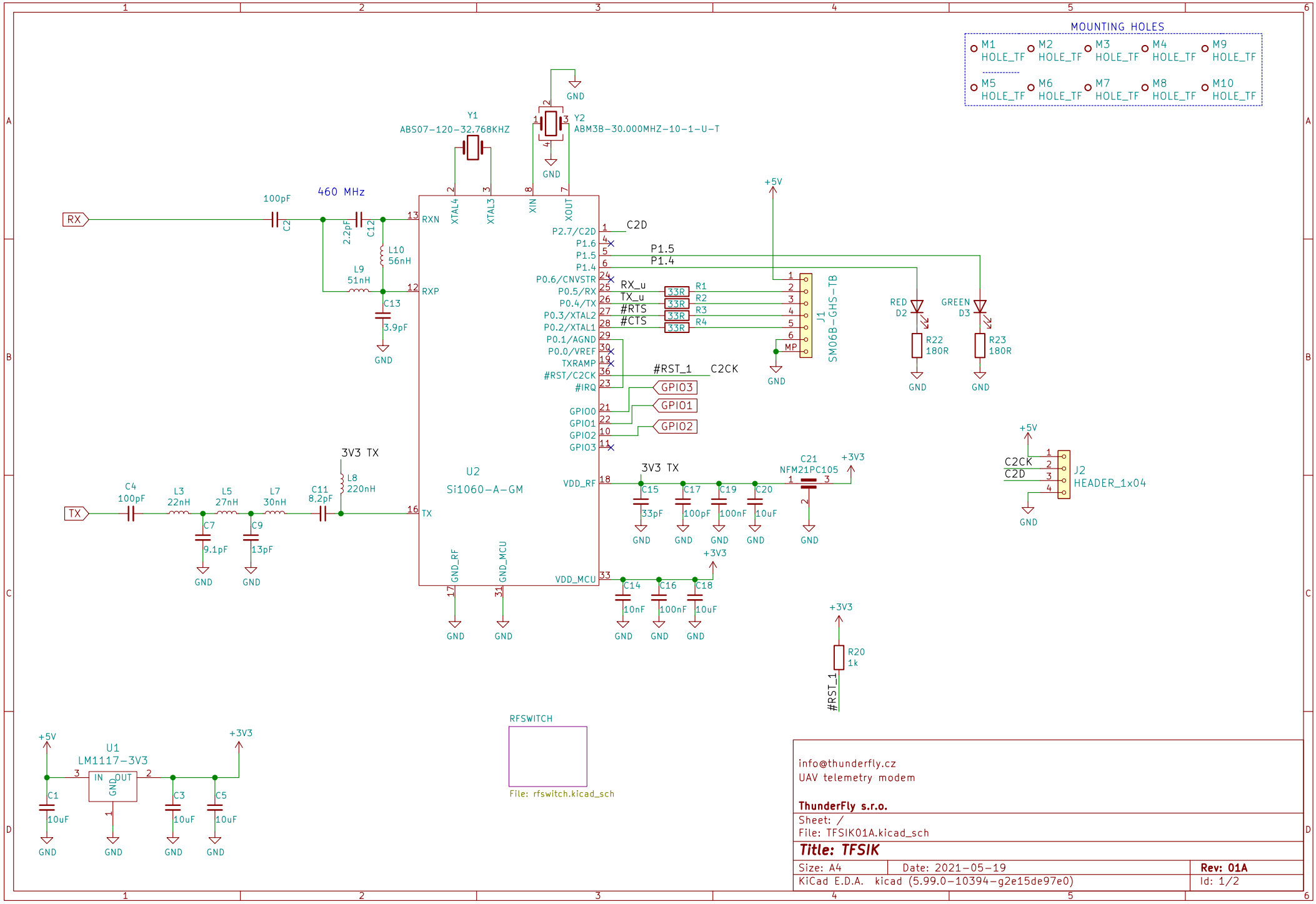
MOUNTING HOLES
M1 HOLE_TF
M2 HOLE_TF
M3 HOLE_TF
M4 HOLE_TF
M9 HOLE_TF
M5 HOLE_TF
M6 HOLE_TF
M7 HOLE_TF
M8 HOLE_TF
M10 HOLE_TF
Y1
ABS07-120-32.768KHZ
Y2
ABM3B-30.000MHZ-10-1-U-T
GND
460 MHz
100pF
C2
2.2pF
C12
L10
56nH
L9
51nH
C13
3.9pF
RX
RXN
RXP
XTAL4
XTAL3
XIN
XOUT
P2.7/C2D
P1.6
P1.5
P1.4
P0.6/CNVSTR
P0.5/RX
P0.4/TX
P0.3/XTAL2
P0.2/XTAL1
P0.1/AGND
P0.0/VREF
TXRAMP
#RST/C2CK
#IRQ
GPIO0
GPIO1
GPIO2
GPIO3
C2D
P1.5
P1.4
RX_u
TX_u
#RTS
#CTS
33R
R1
R2
R3
R4
+5V
J1
SM06B-GHS-TB
MP
RED
D2
GREEN
D3
R22
180R
R23
180R
#RST_1
C2CK
GPIO3
GPIO1
GPIO2
U2
Si1060-A-GM
3V3 TX
L8
220nH
C4
100pF
L3
22nH
L5
27nH
L7
30nH
C11
8.2pF
TX
C7
9.1pF
C9
13pF
GND_RF
GND_MCU
VDD_RF
VDD_MCU
C15
33pF
C17
100pF
C19
100nF
C20
10uF
C21
NFM21PC105
+3V3
C14
10nF
C16
100nF
C18
10uF
C2CK
C2D
J2
HEADER_1x04
R20
1k
#RST_1
RFSWITCH
File: rfswitch.kicad_sch
U1
LM1117-3V3
IN
OUT
GND
C1
10uF
C3
10uF
C5
10uF
info@thunderfly.cz
UAV telemetry modem
ThunderFly s.r.o.
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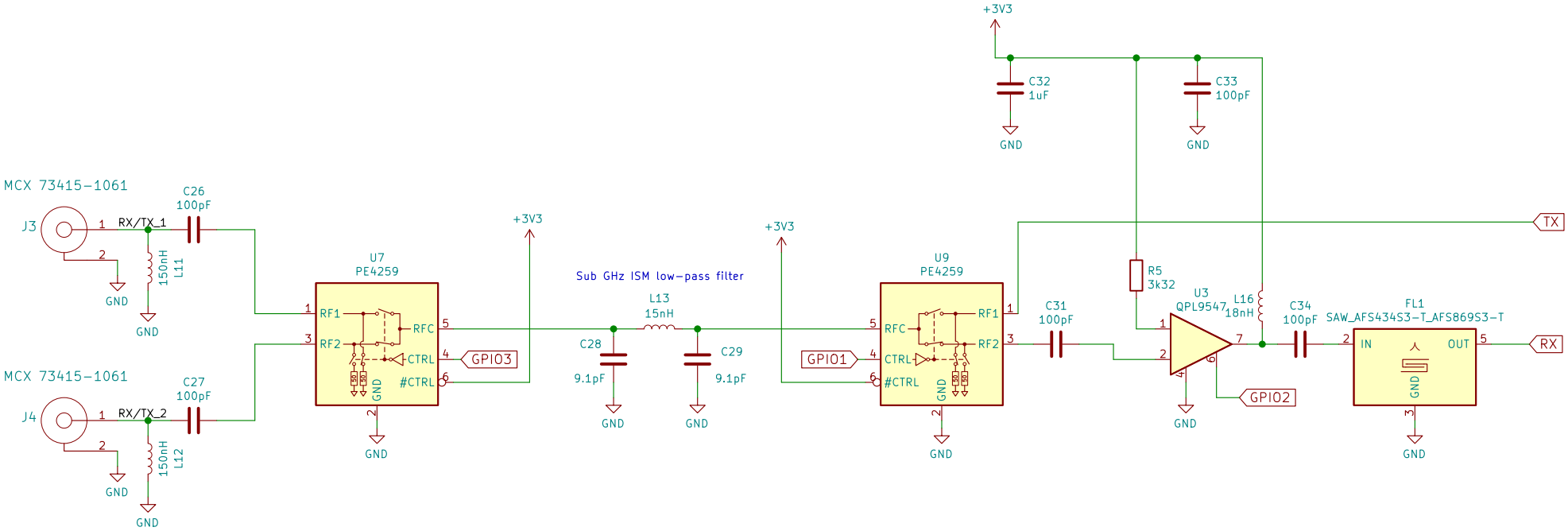
File: TFSIK01A.kicad_sch
Title: TFSIK
Size: A4
Date: 2021-05-19
Rev: 01A
KiCad E.D.A. kicad (5.99.0-10394-g2e15de97e0)
Id: 1/2



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Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.99.0-10394-g2e15de97e0)		Id: 4/2