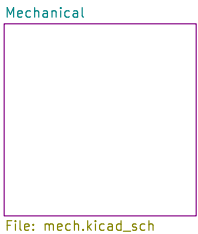
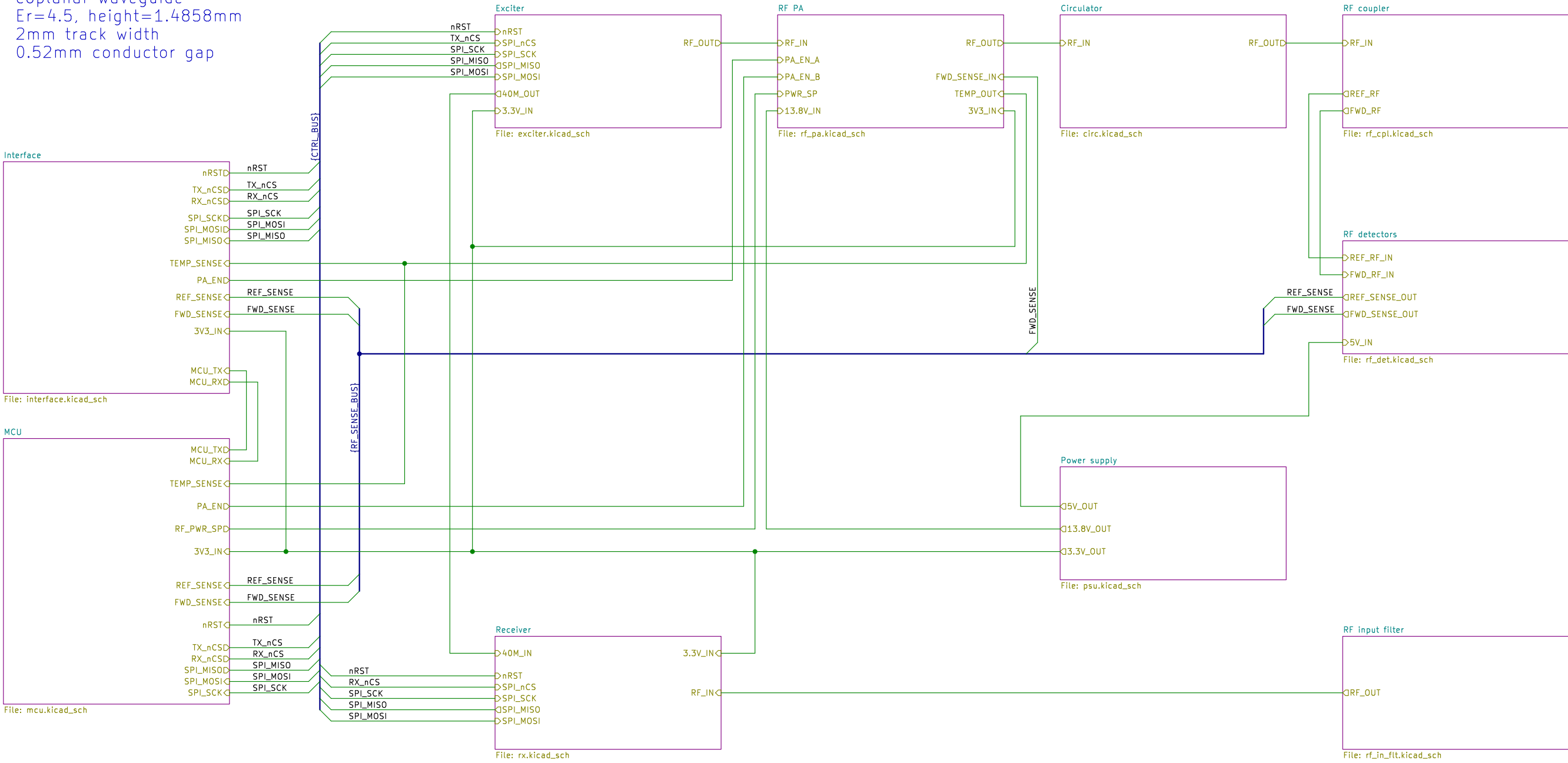
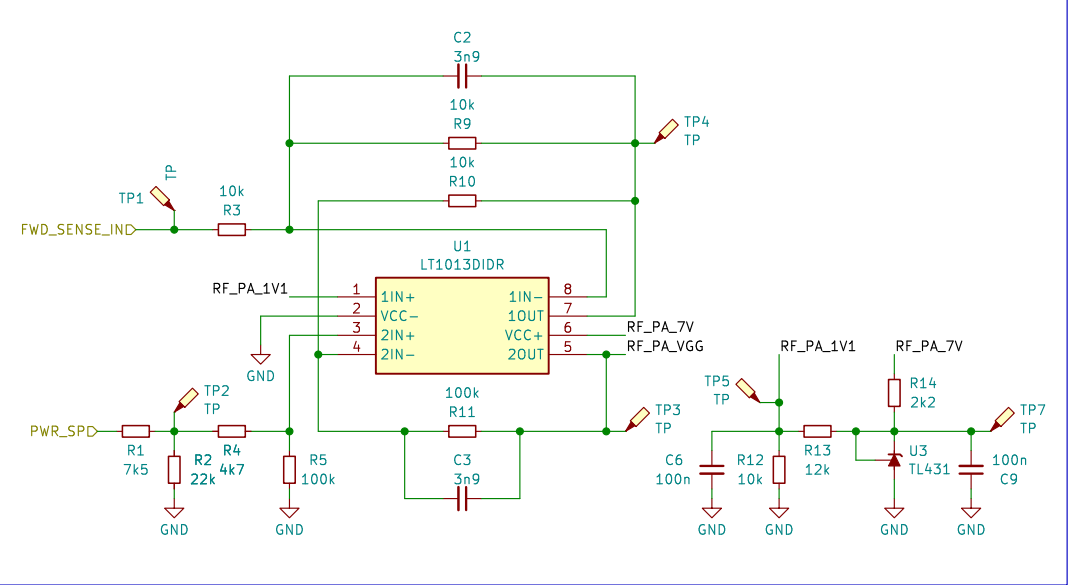


Low power RF tracks:
coplanar waveguide
Er=4.4, height=0.2104mm
0.25mm track width
0.052mm conductor gap

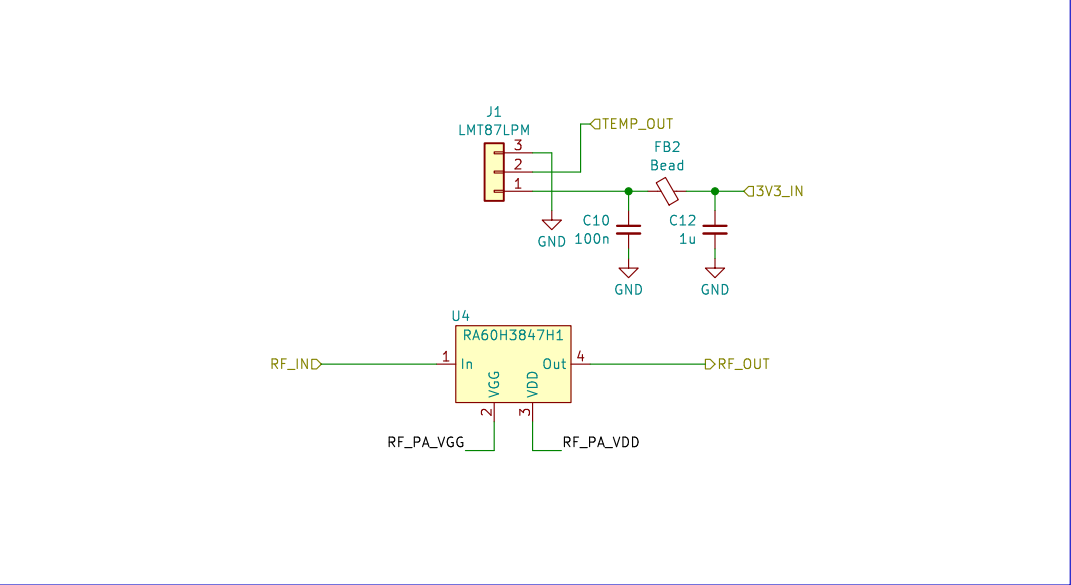
High power RF tracks:
coplanar waveguide
Er=4.5, height=1.4858mm
2mm track width
0.52mm conductor gap



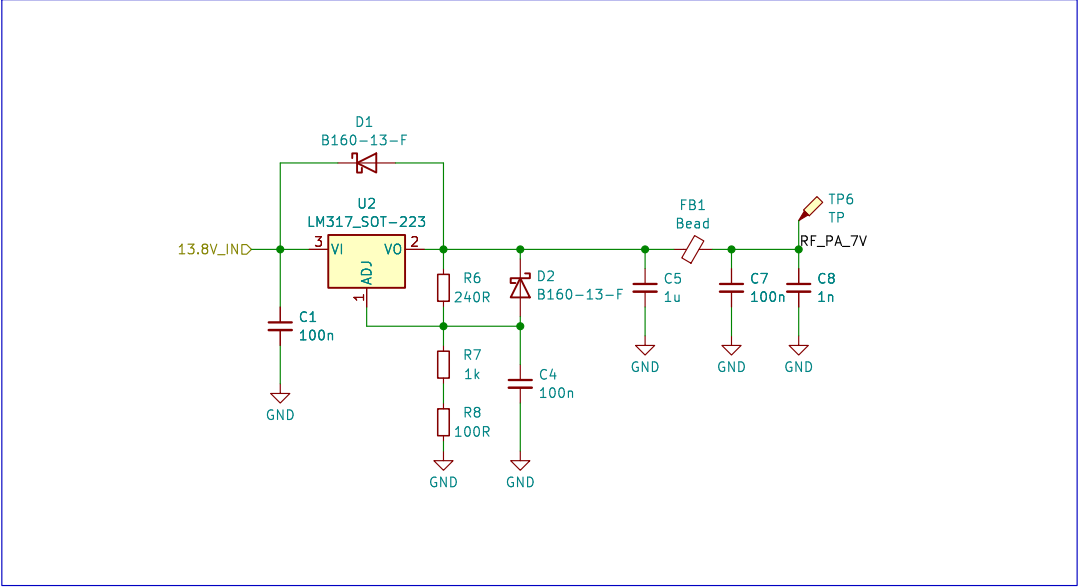
ALC



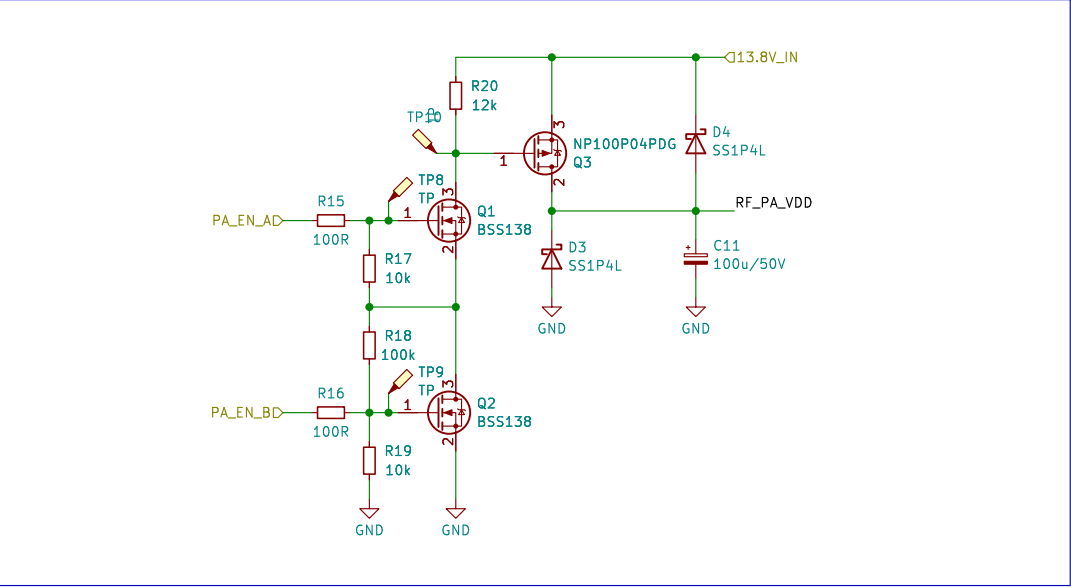
RF PA



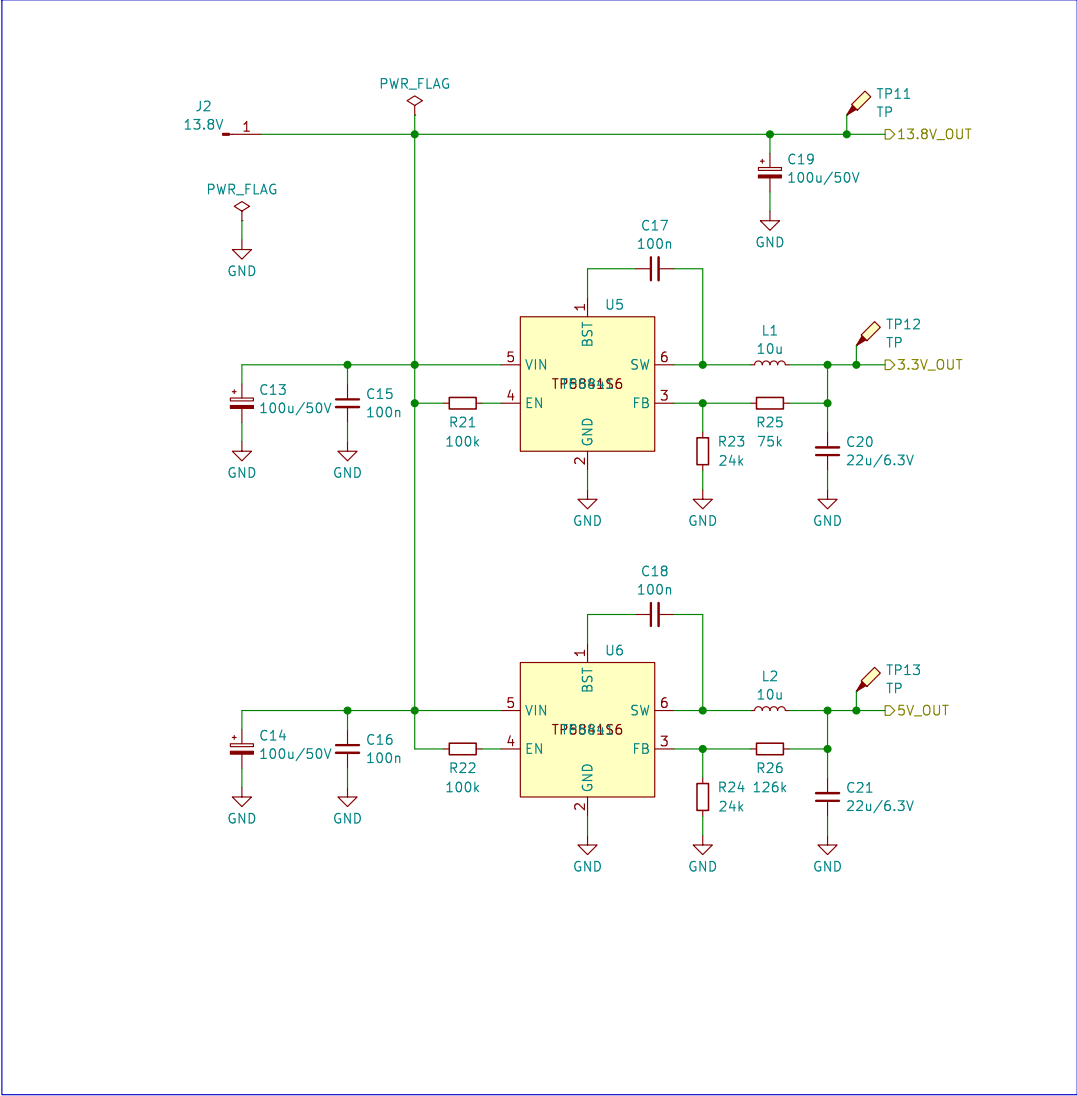
Voltage reg.



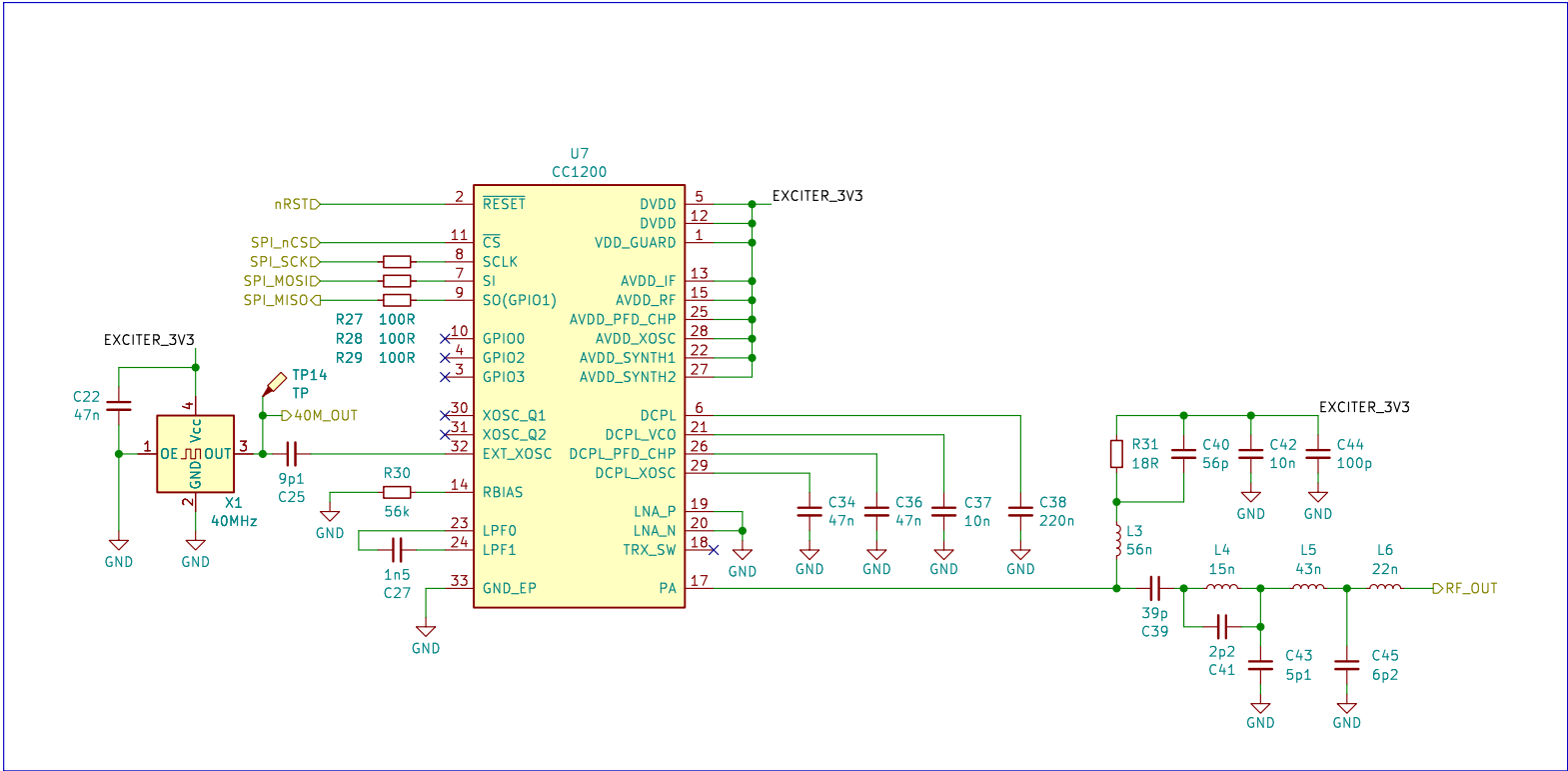
Supply switching



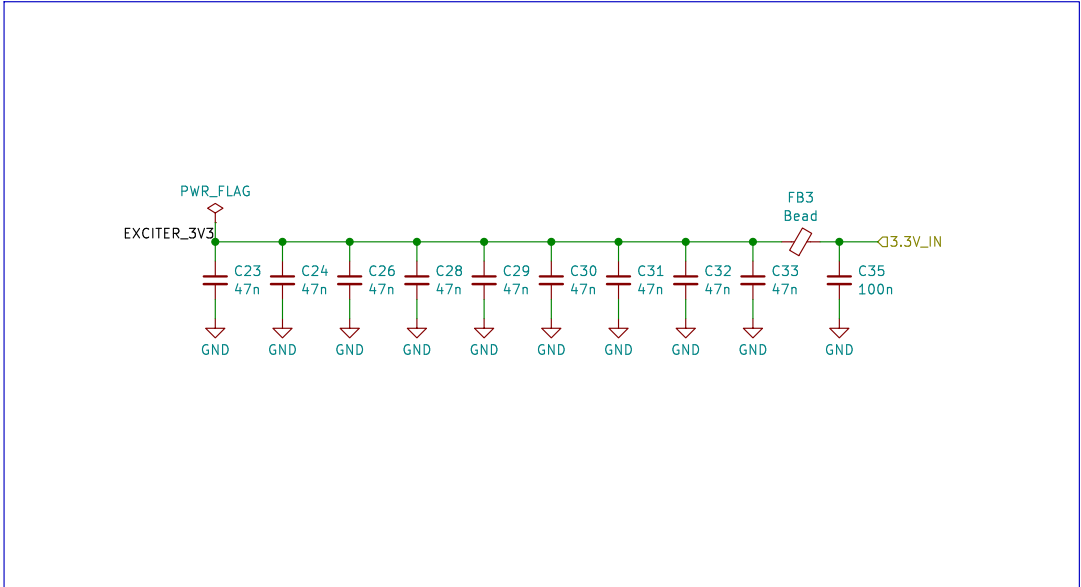
Voltage reg.



Exciter



Decoupling



Wojciech Kaczmarek, SP5WWP

M17 Project

Sheet: /Exciter/

File: exciter.kicad_sch

Title: Remote Radio Unit – RF board

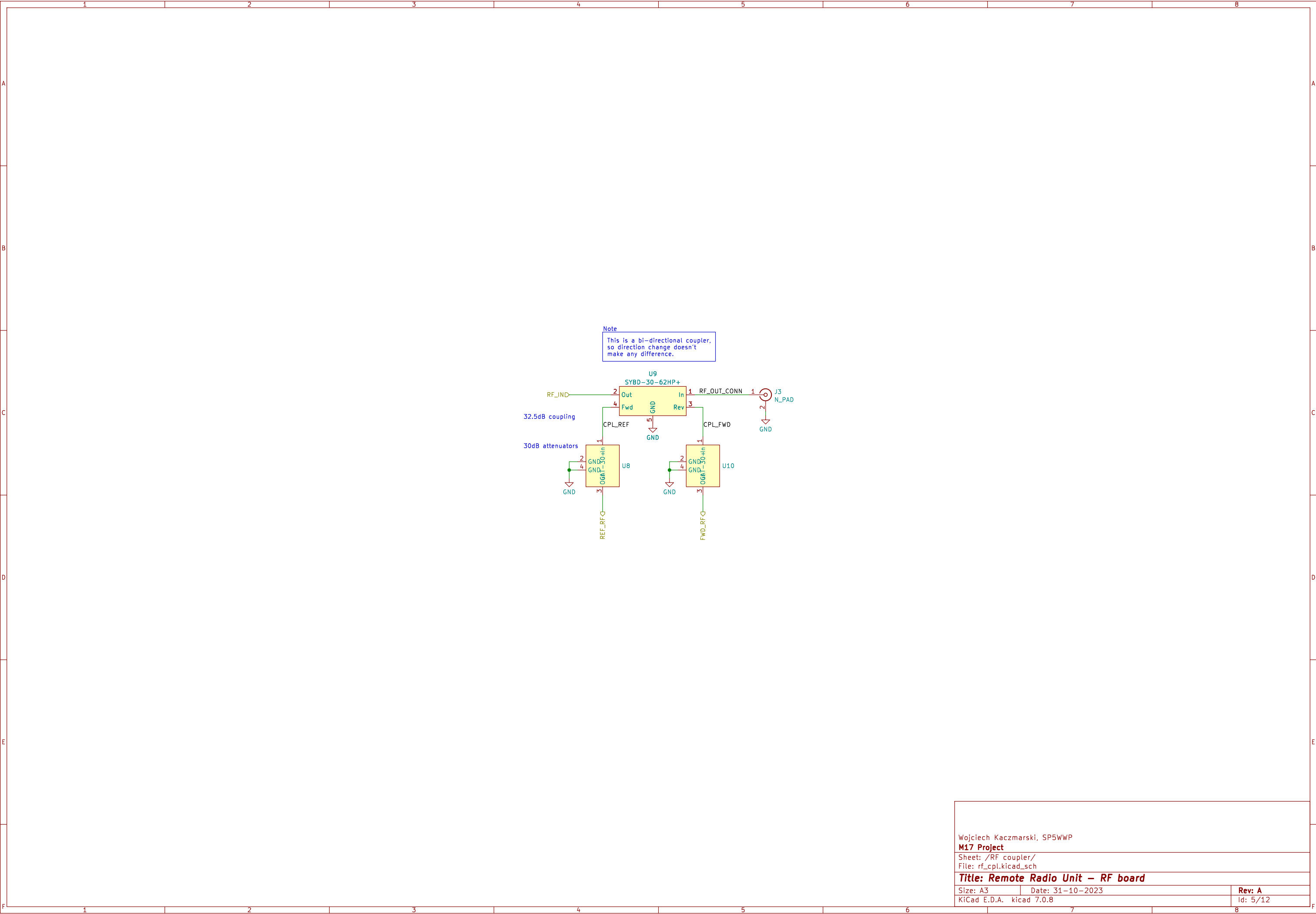
Size: A3

Date: 31-10-2023

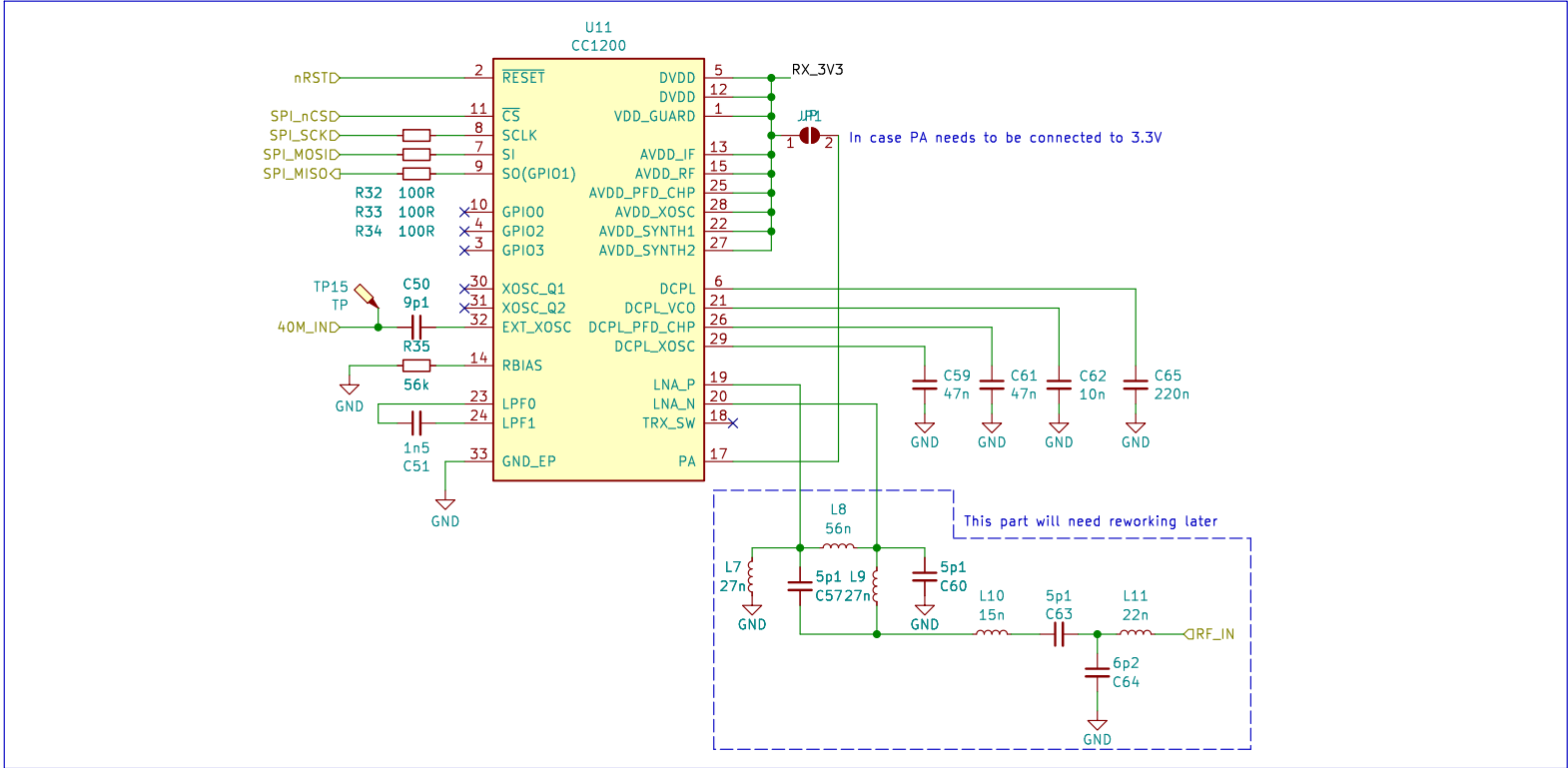
Rev: A

KiCad E.D.A. kicad 7.0.8

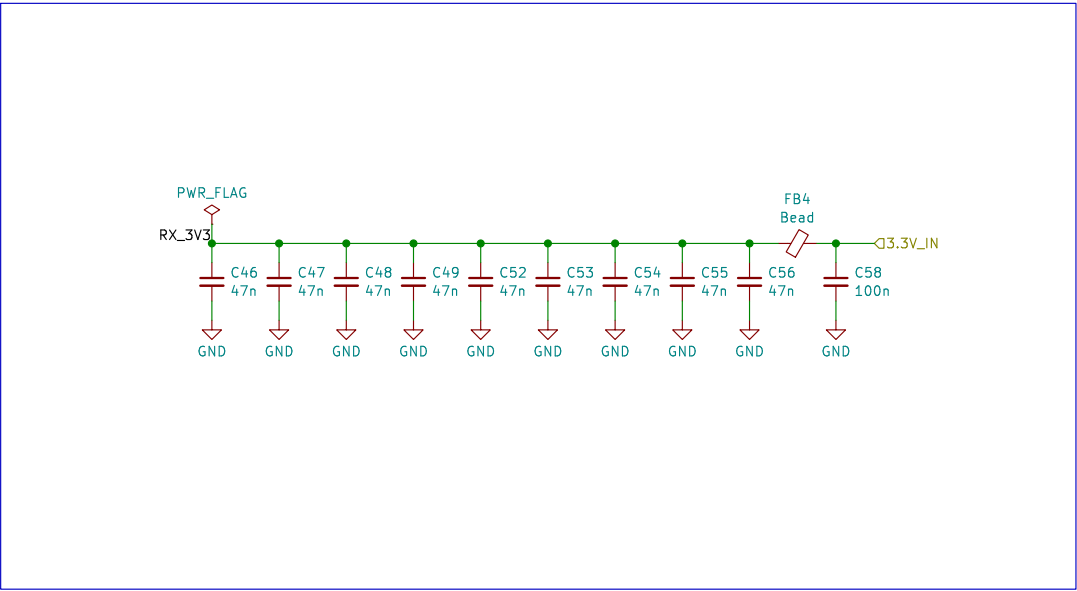
Id: 4/12



Receiver



Decoupling



Wojciech Kaczmarek, SP5WWP

M17 Project

Sheet: /Receiver/

File: rx.kicad_sch

Title: Remote Radio Unit – RF board

Size: A3

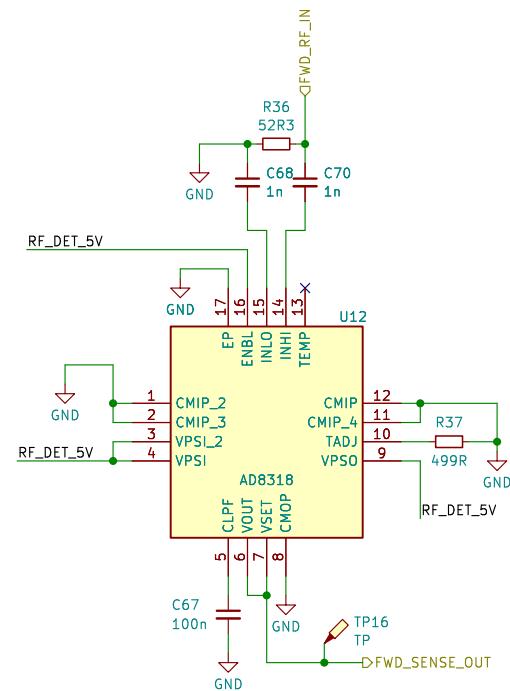
Date: 31–10–2023

Rev: A

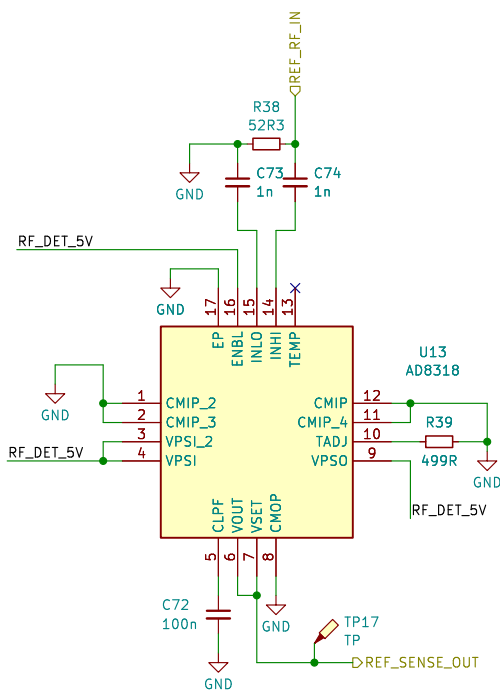
KiCad E.D.A. kicad 7.0.8

Id: 6/12

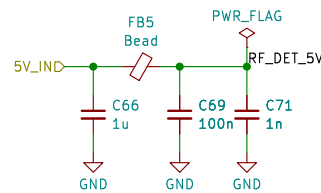
FWD power sense



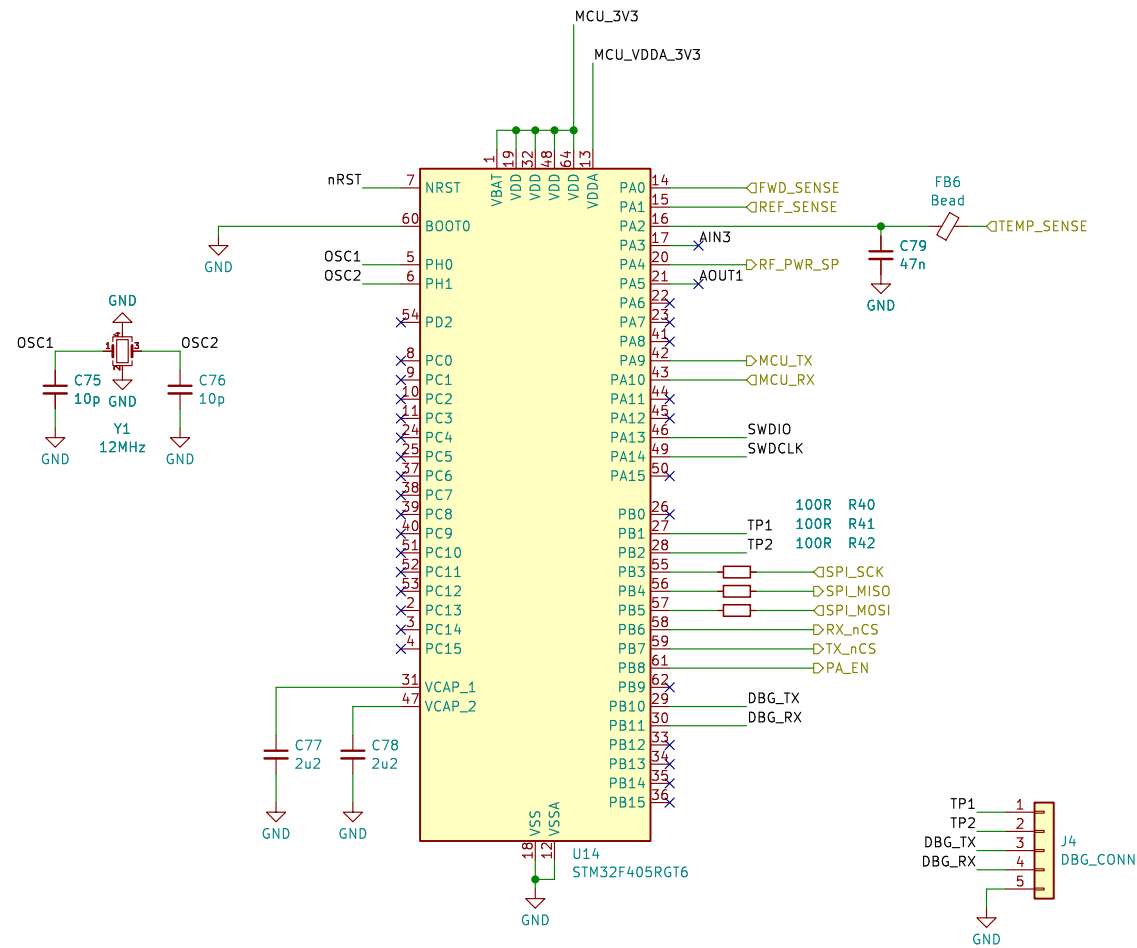
REF power sense



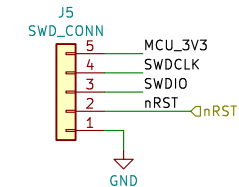
Decoupling



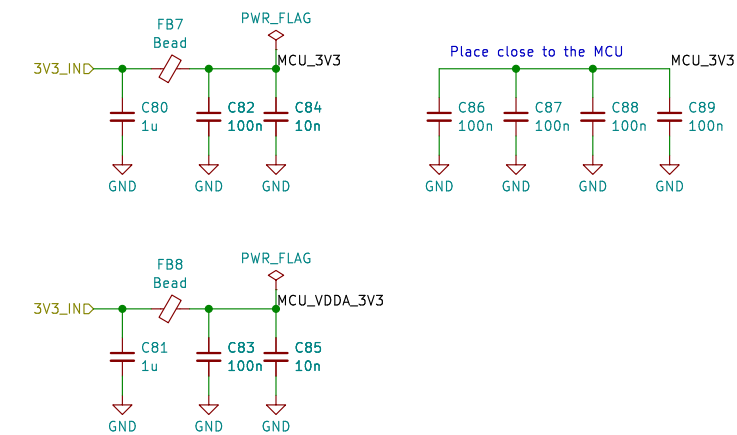
MCU



SWD



Decoupling



Wojciech Kaczmarek, SP5WWP

M17 Project

Sheet: /MCU/

File: mcu.kicad_sch

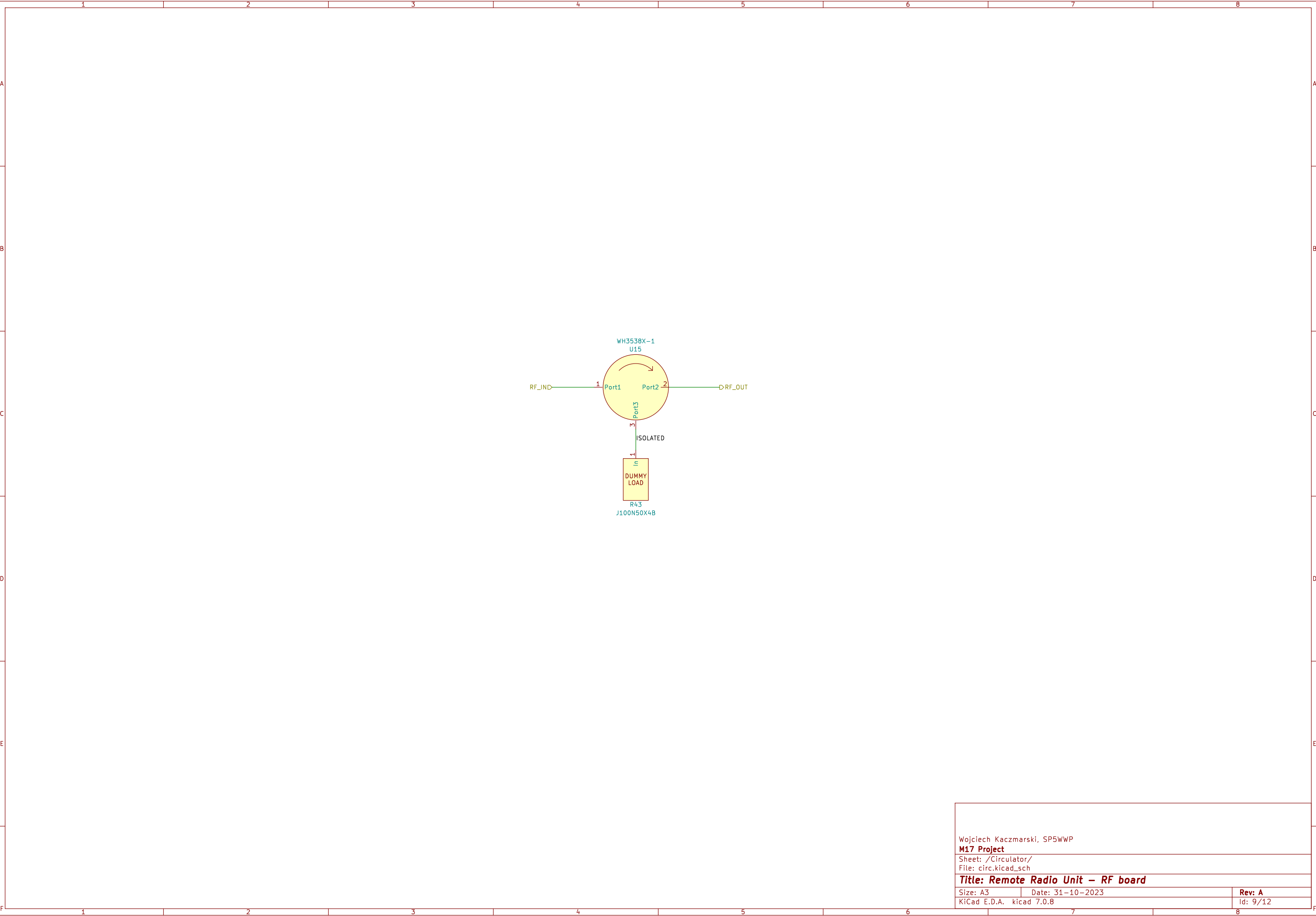
Title: Remote Radio Unit – RF board

Size: A3 Date: 31-10-2023

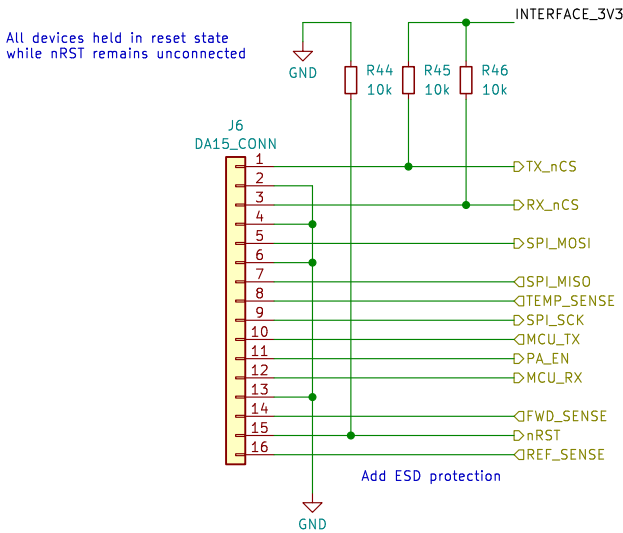
Rev: A

KiCad E.D.A. kicad 7.0.8

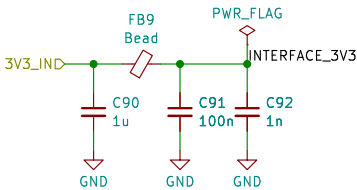
Id: 8/12

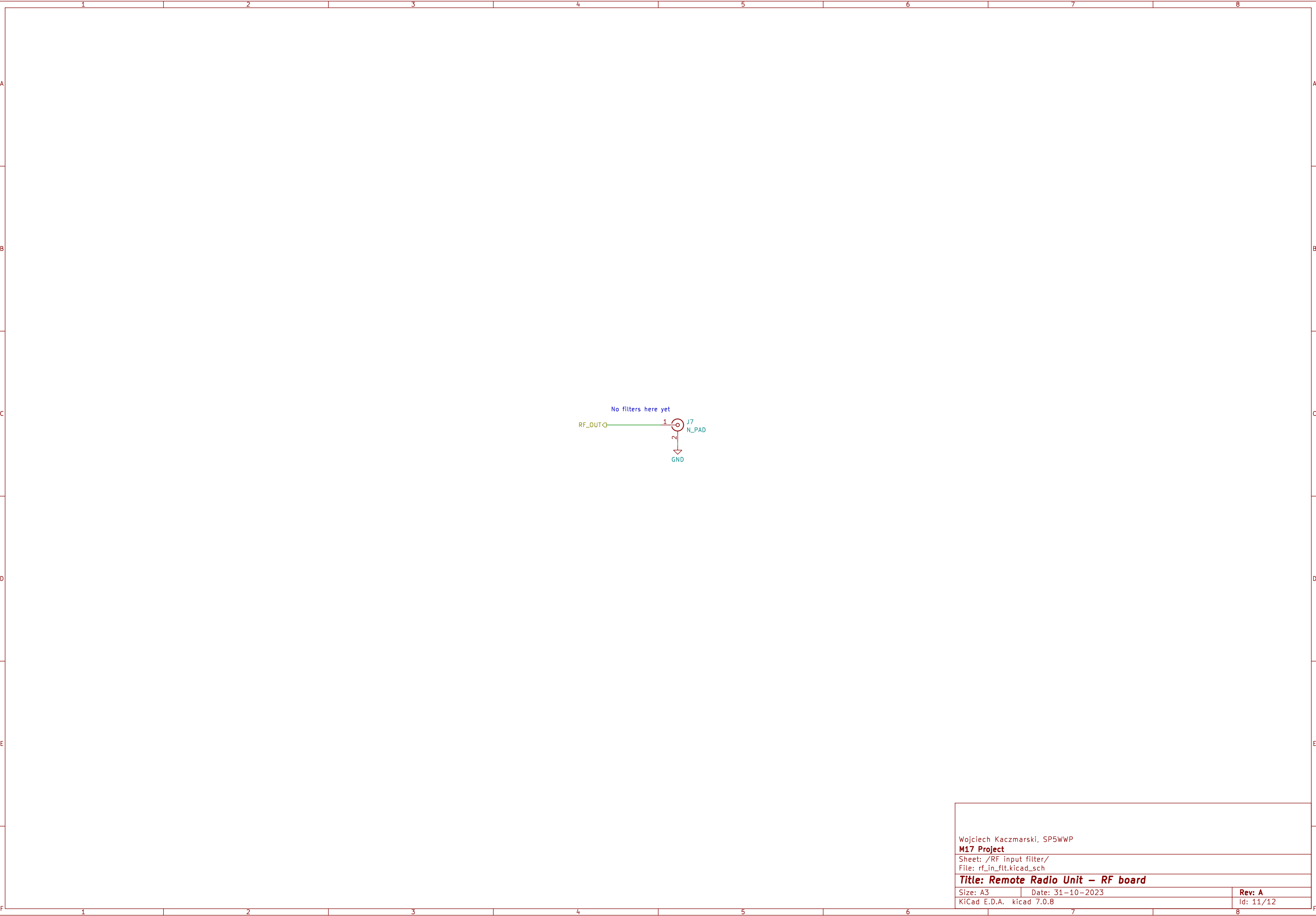


External connector

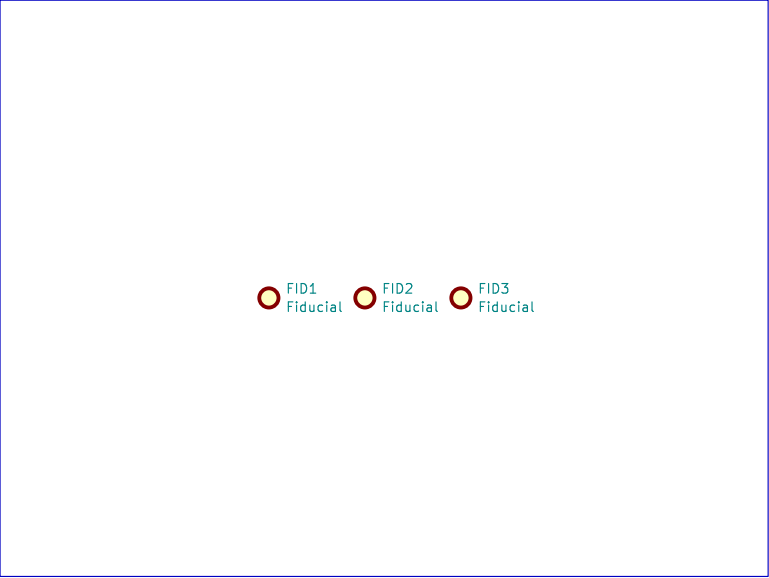


Decoupling

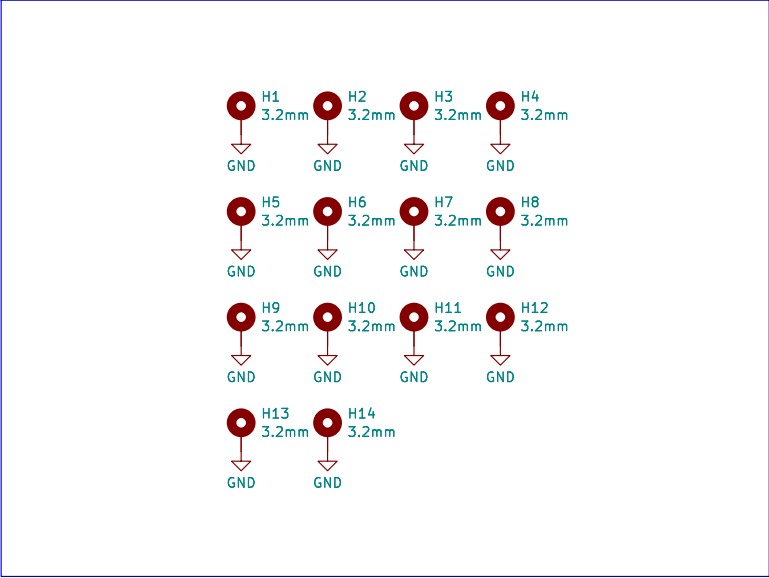




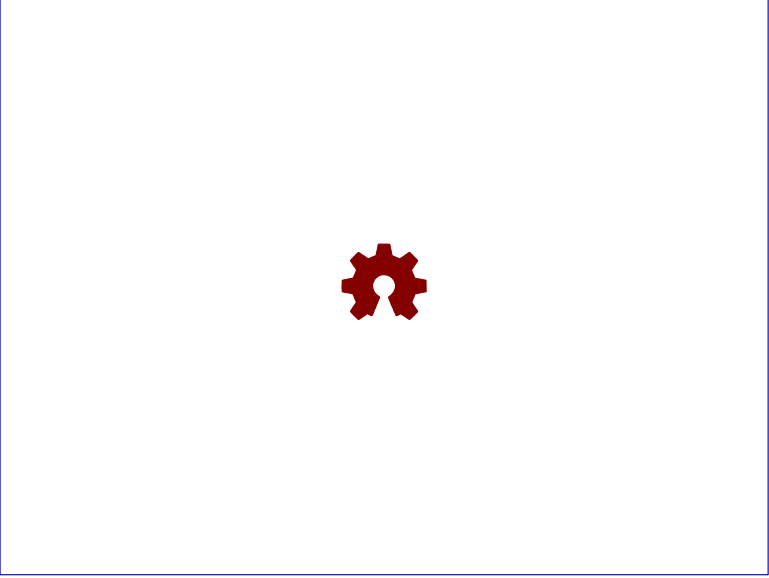
Fiducials



Mounting holes



Graphics



Wojciech Kaczmarek, SP5WWP
M17 Project
Sheet: /Mechanical/
File: mech.kicad_sch

Title: Remote Radio Unit – RF board

Size: A3	Date: 31–10–2023	Rev: A
KiCad E.D.A. kicad 7.0.8		Id: 12/12