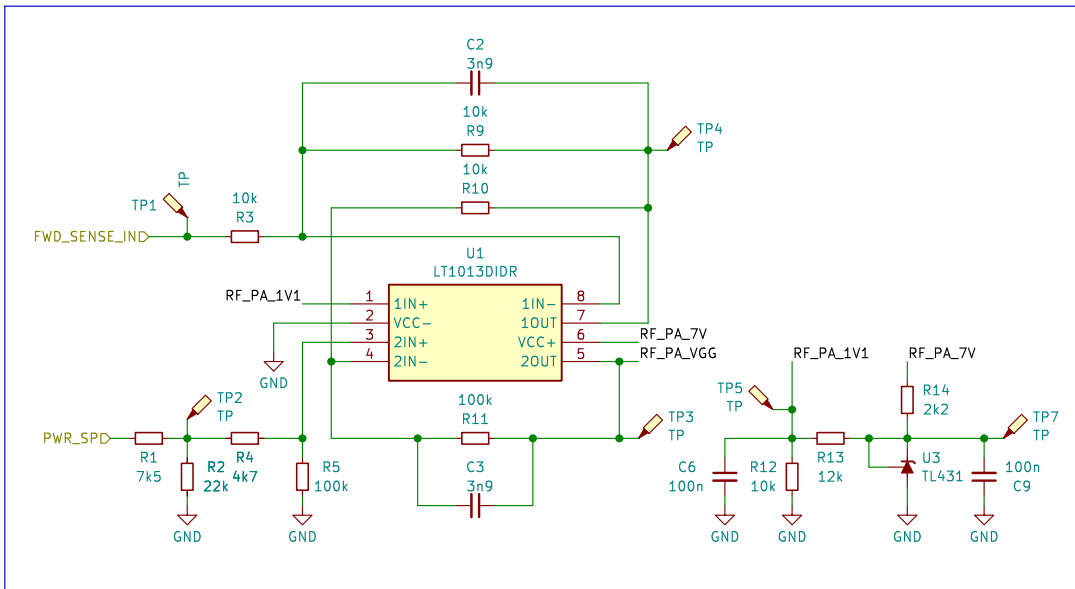
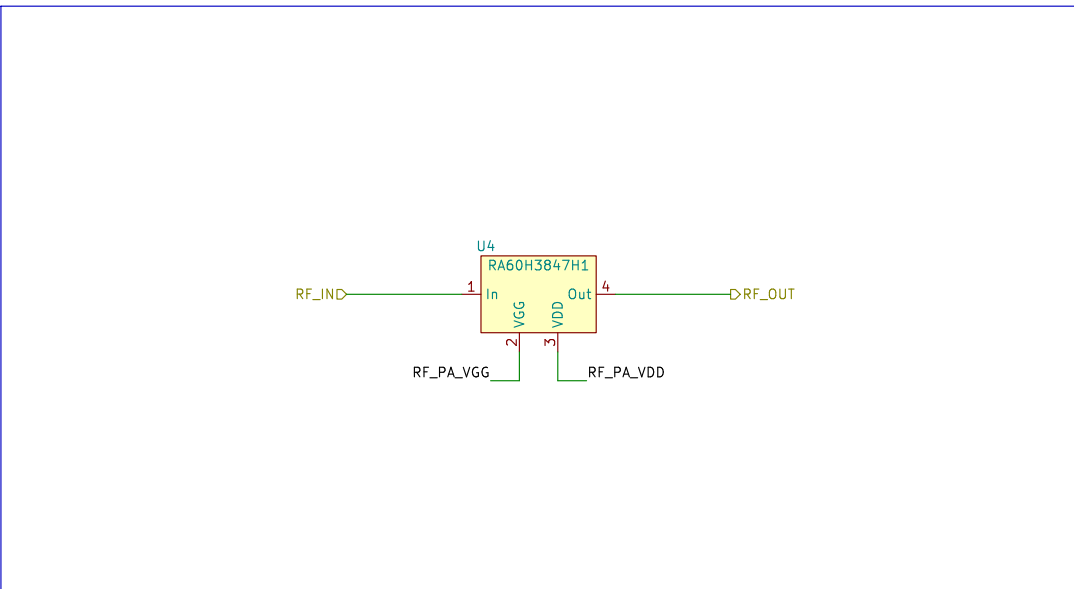


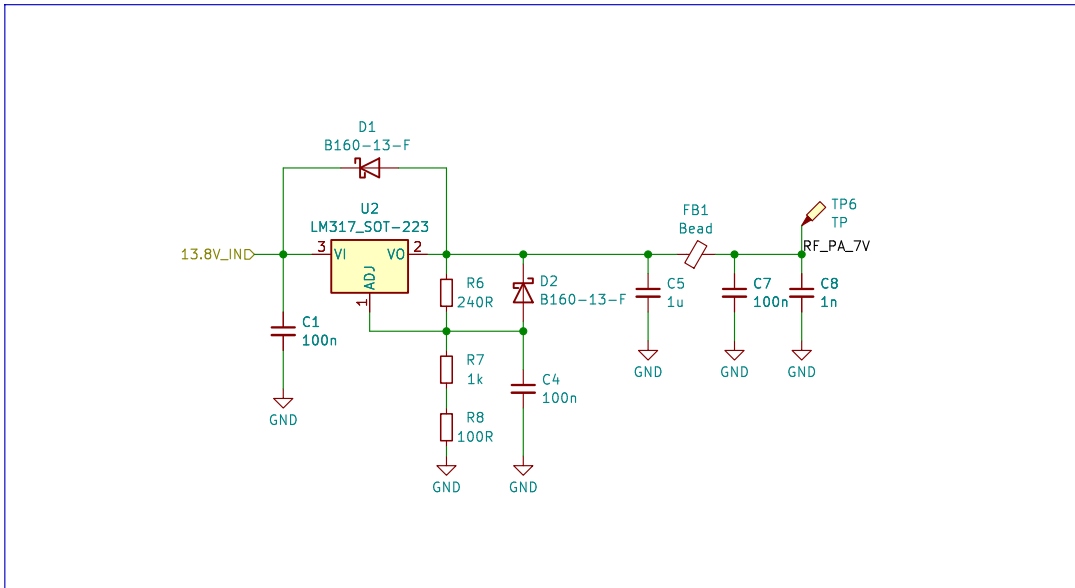
ALC



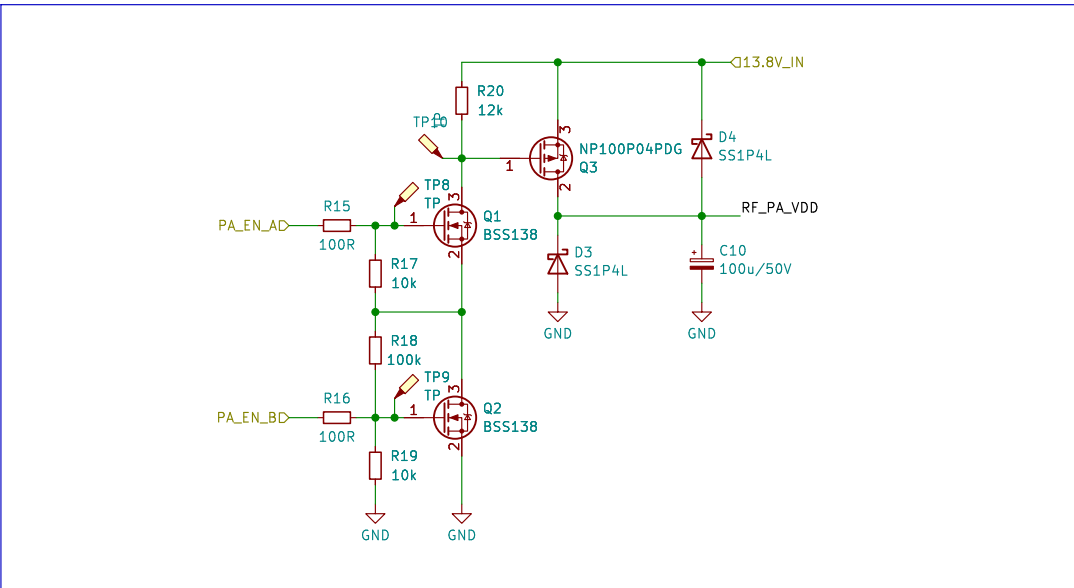
RF PA



Voltage reg.



Supply switching



Wojciech Kaczmarek, SP5WWP

M17 Project

Sheet: /RF PA/

File: rf_pa.kicad_sch

Title: M17 Remote Radio Unit – RF board

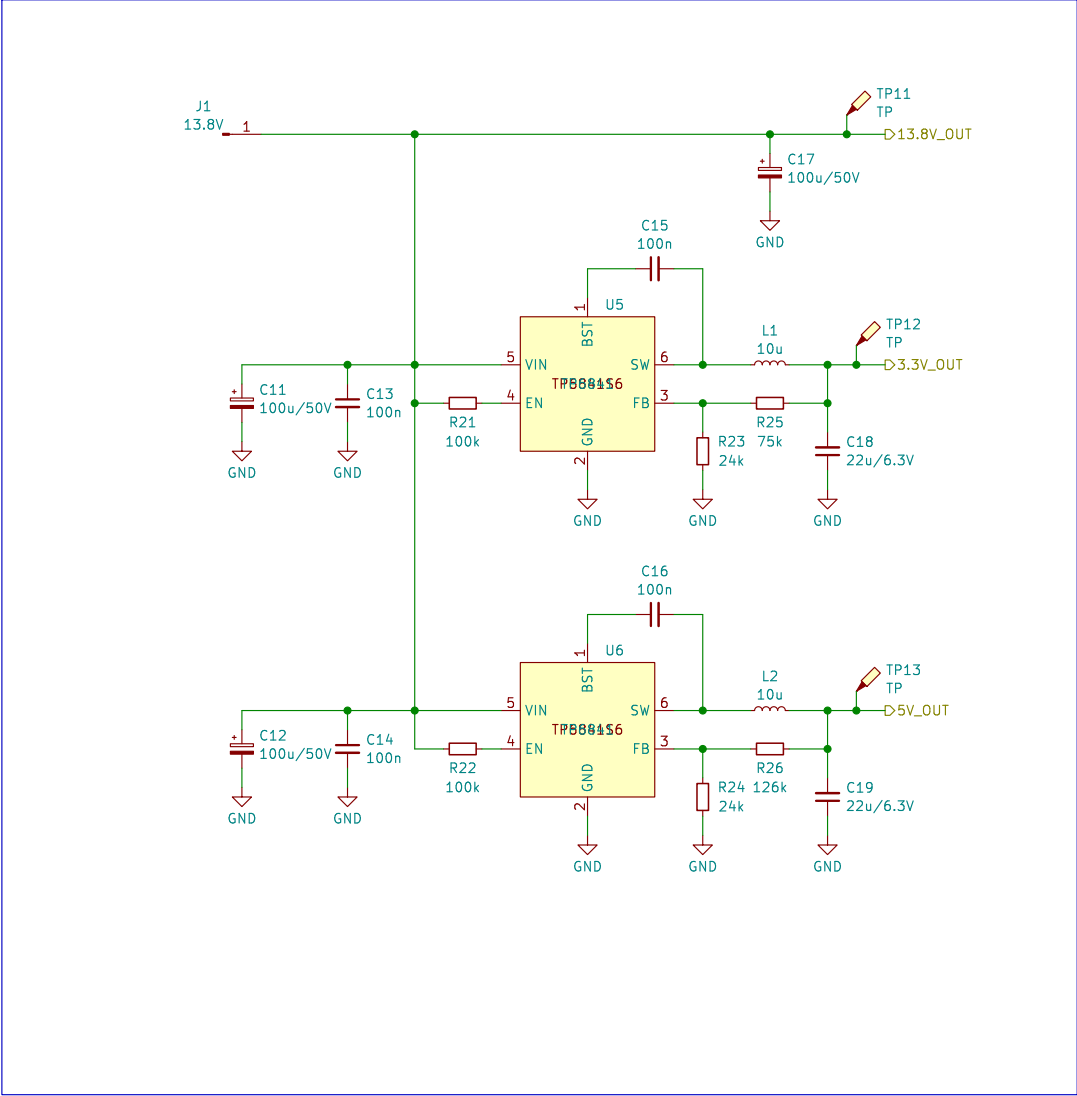
Size: A3 Date: 15-10-2023

Rev: A

KiCad E.D.A. kicad 7.0.8

Id: 2/11

Voltage reg.



Wojciech Kaczmarek, SP5WWP

M17 Project

Sheet: /Power supply/

File: psu.kicad_sch

Title: M17 Remote Radio Unit – RF board

Size: A3

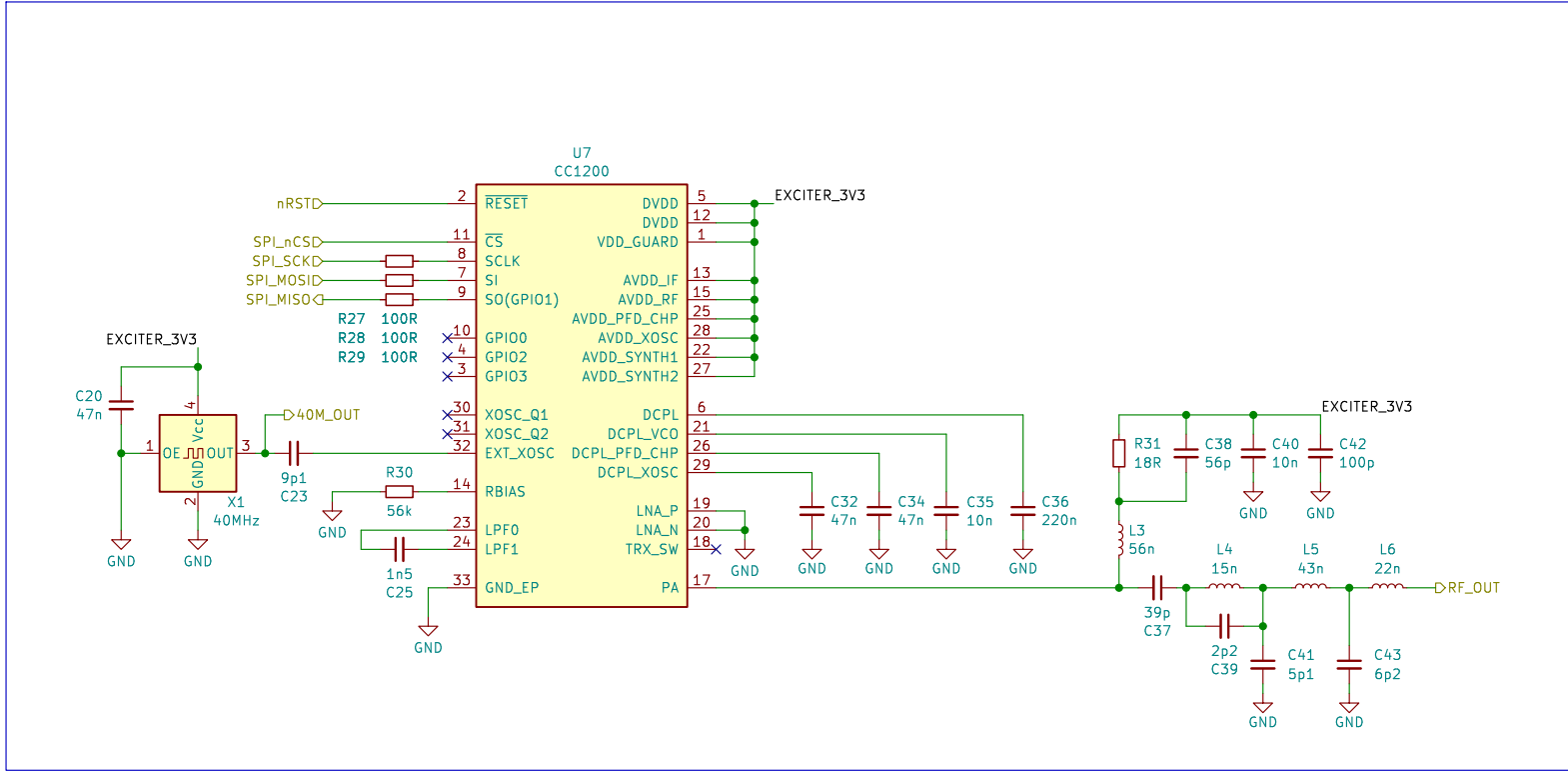
Date: 15-10-2023

Rev: A

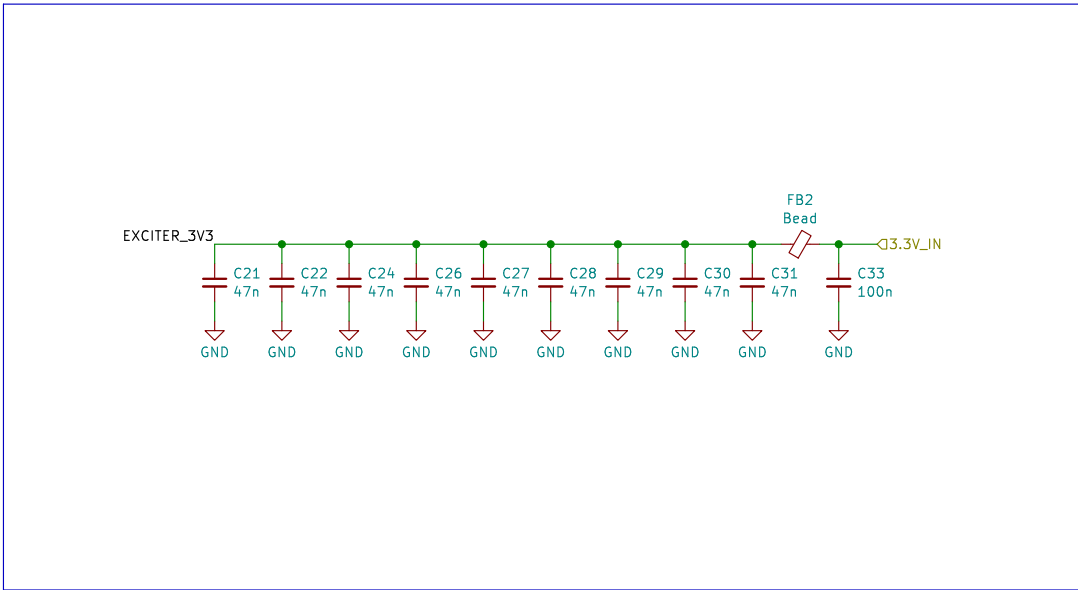
KiCad E.D.A. kicad 7.0.8

Id: 3/11

Exciter



Decoupling



Wojciech Kaczmarek, SP5WWP

M17 Project

Sheet: /Exciter/

File: exciter.kicad_sch

Title: M17 Remote Radio Unit – RF board

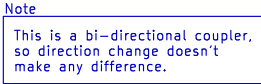
Size: A3

Date: 15-10-2023

Rev: A

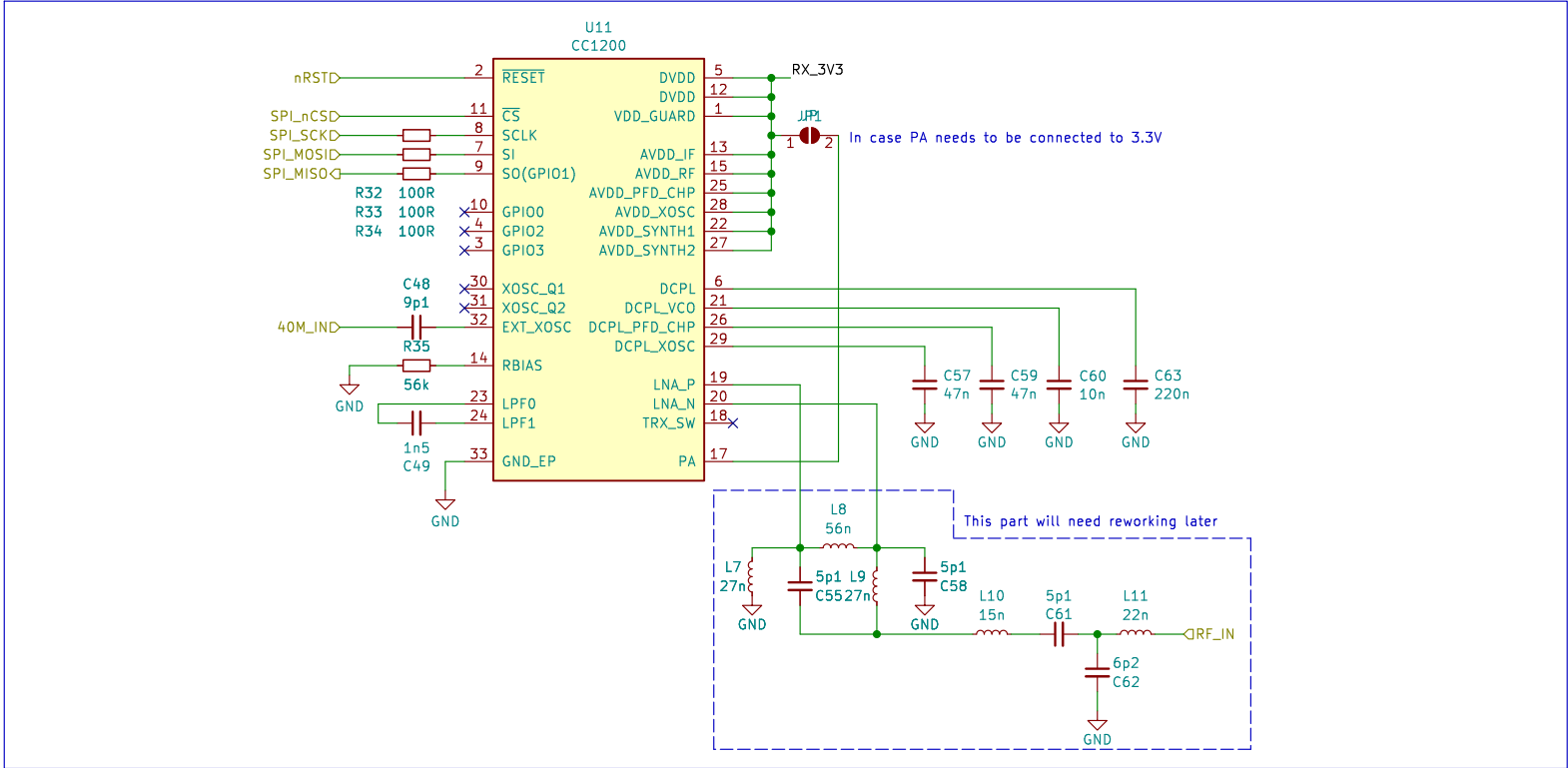
KiCad E.D.A. kicad 7.0.8

Id: 4/11

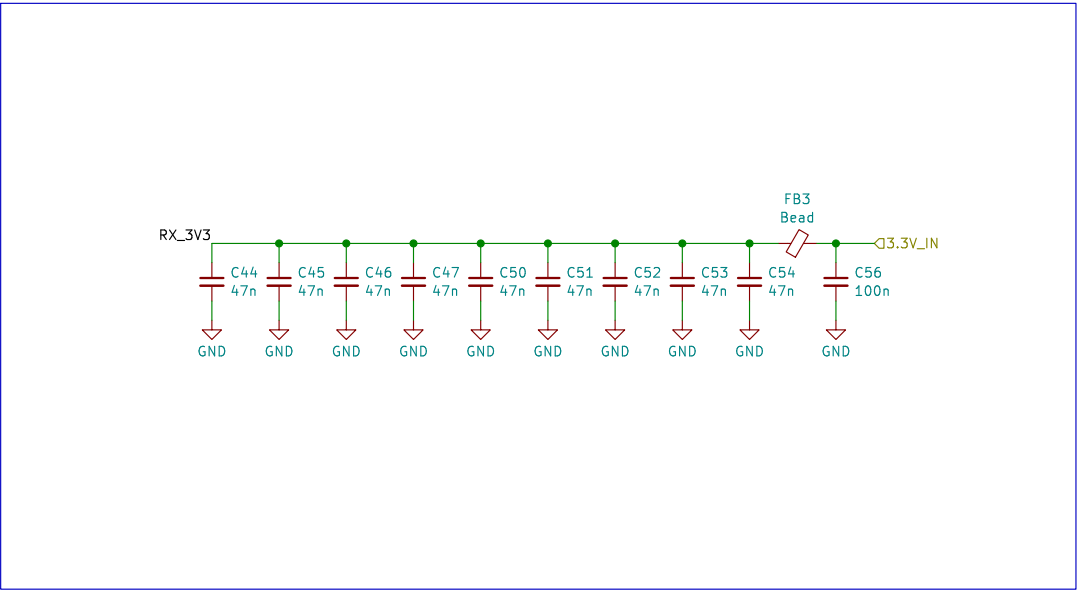


Id: 5/11

Receiver



Decoupling



Wojciech Kaczmarek, SP5WWP

M17 Project

Sheet: /Receiver/

File: rx.kicad_sch

Title: M17 Remote Radio Unit – RF board

Size: A3

Date: 15-10-2023

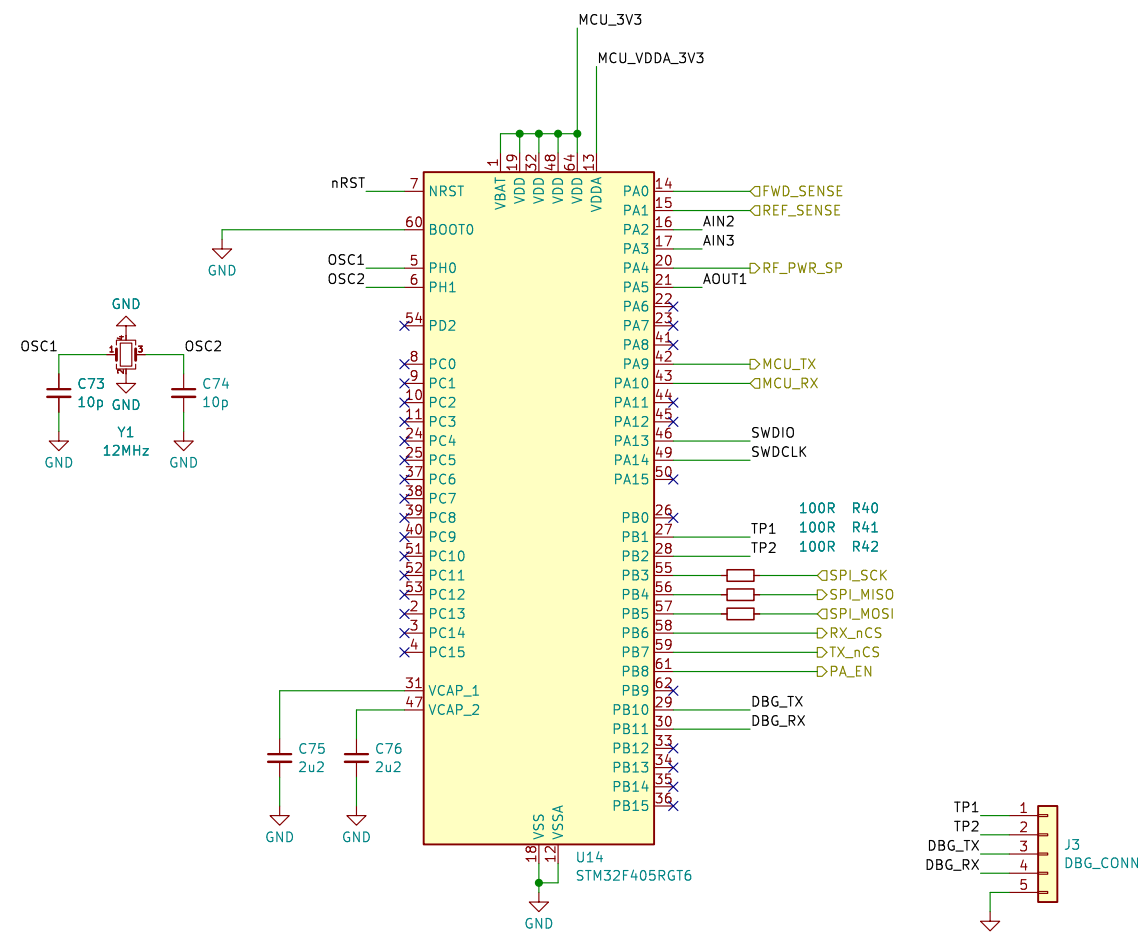
Rev: A

KiCad E.D.A. kicad 7.0.8

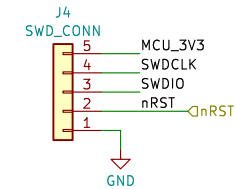
Id: 6/11

The diagram shows a 5V power plane layout. A signal labeled 5V_IND enters from the left and passes through a series of components connected to ground (GND): a 1uF capacitor (C64), an RF bead (FB4 Bead), a 100nF capacitor (C67), and a 1nF capacitor (C69). The output of this network is labeled RF_DET_5V.

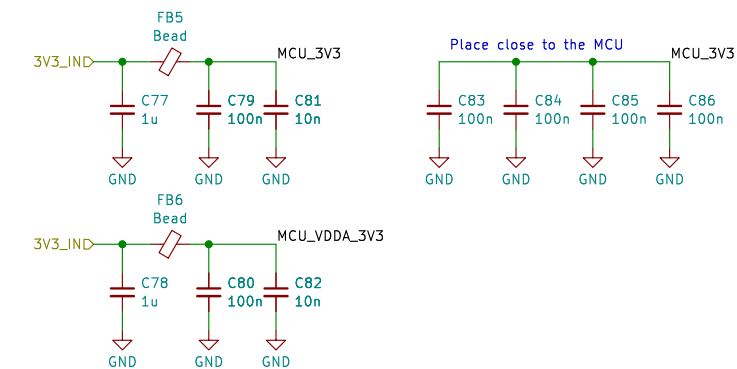
MCU



SWD



Decoupling



Wojciech Kaczmarek, SP5WWP

M17 Project

Sheet: /MCU/

File: mcu.kicad_sch

Title: M17 Remote Radio Unit – RF board

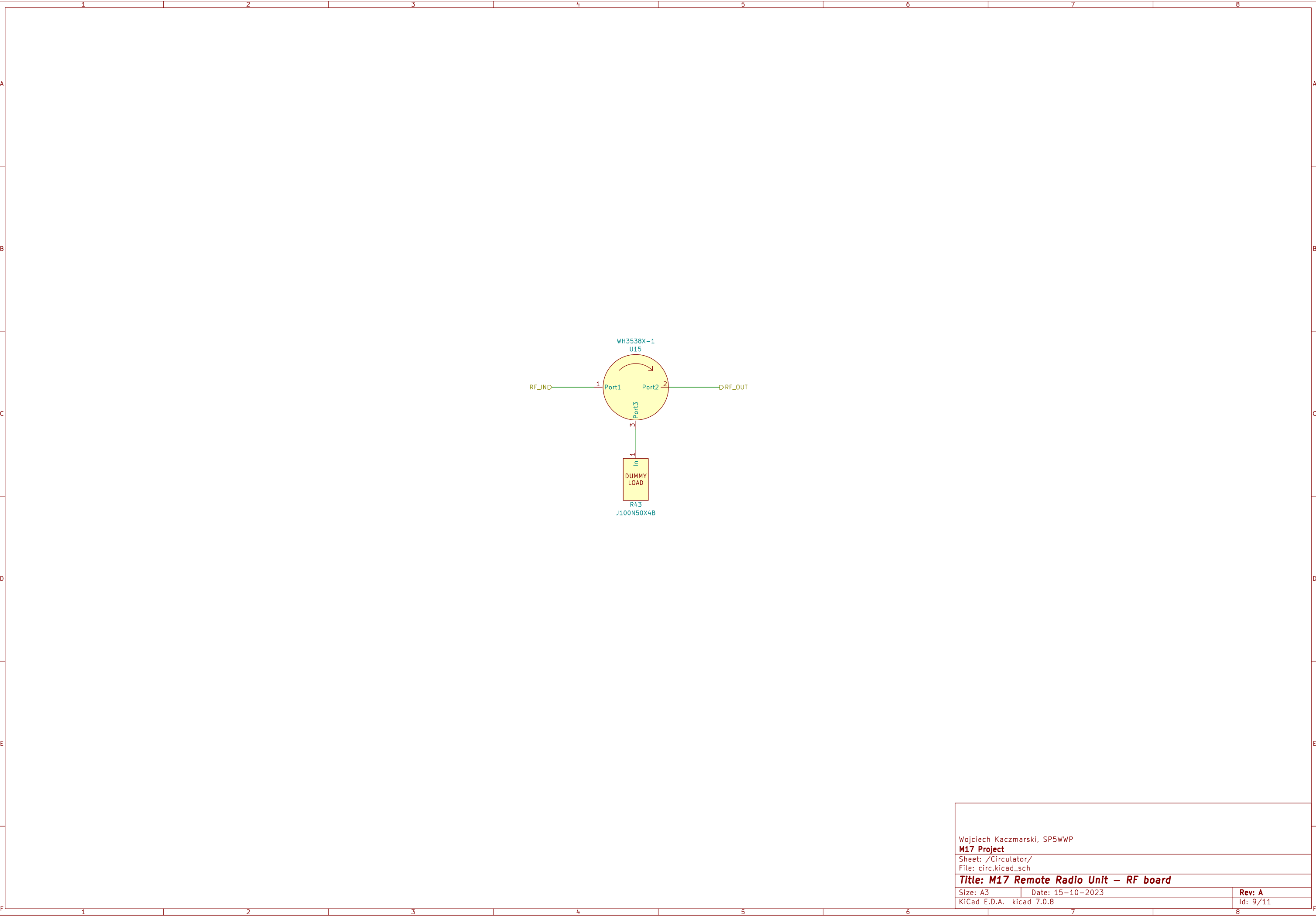
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Date: 15-10-2023

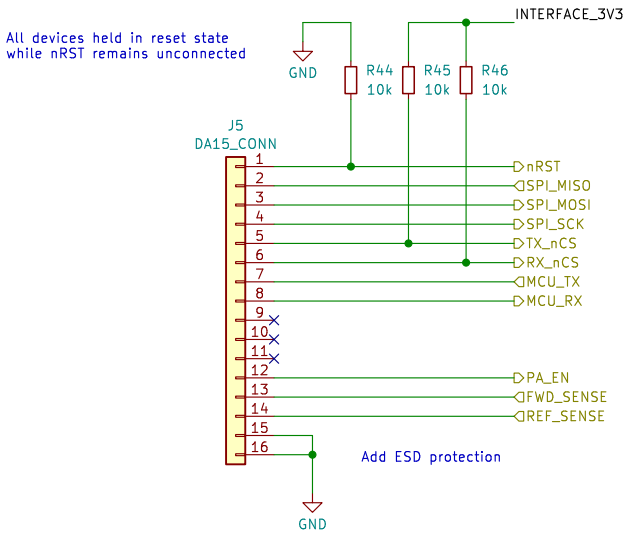
Rev: A

KiCad E.D.A. kicad 7.0.8

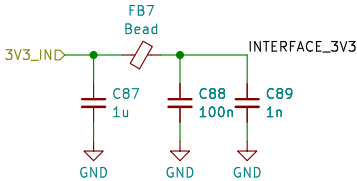
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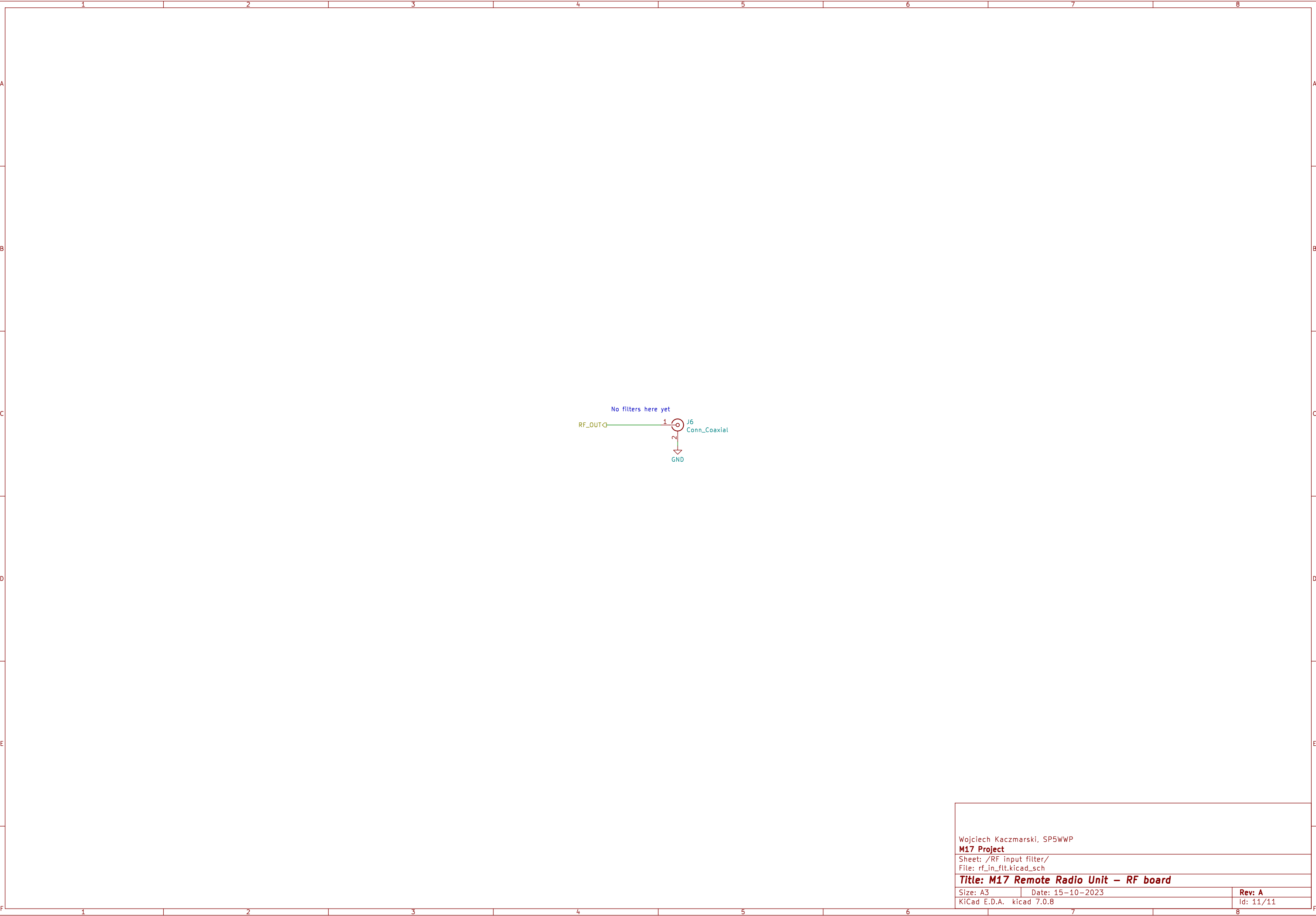


External connector



Decoupling





Wojciech Kaczmarek, SP5WWP

M17 Project

Sheet: /RF input filter/
File: rf_inflt.kicad_sch

Title: M17 Remote Radio Unit – RF board

Size: A3Date: 15–10–2023KiCad E.D.A. kicad 7.0.8

Rev: AId: 11/11