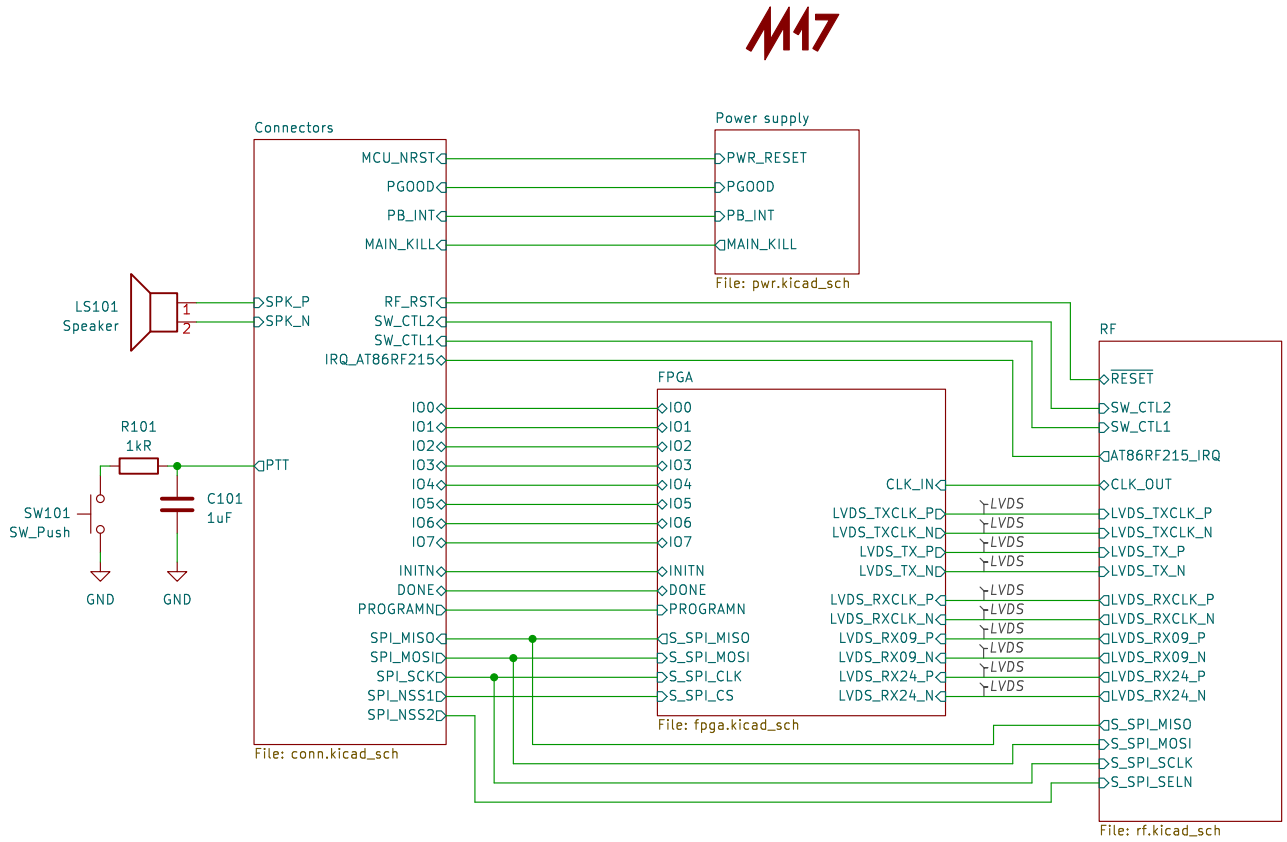


Authors: Wojciech SP5WWP, Leo Hofer, Morgan ON4MOD

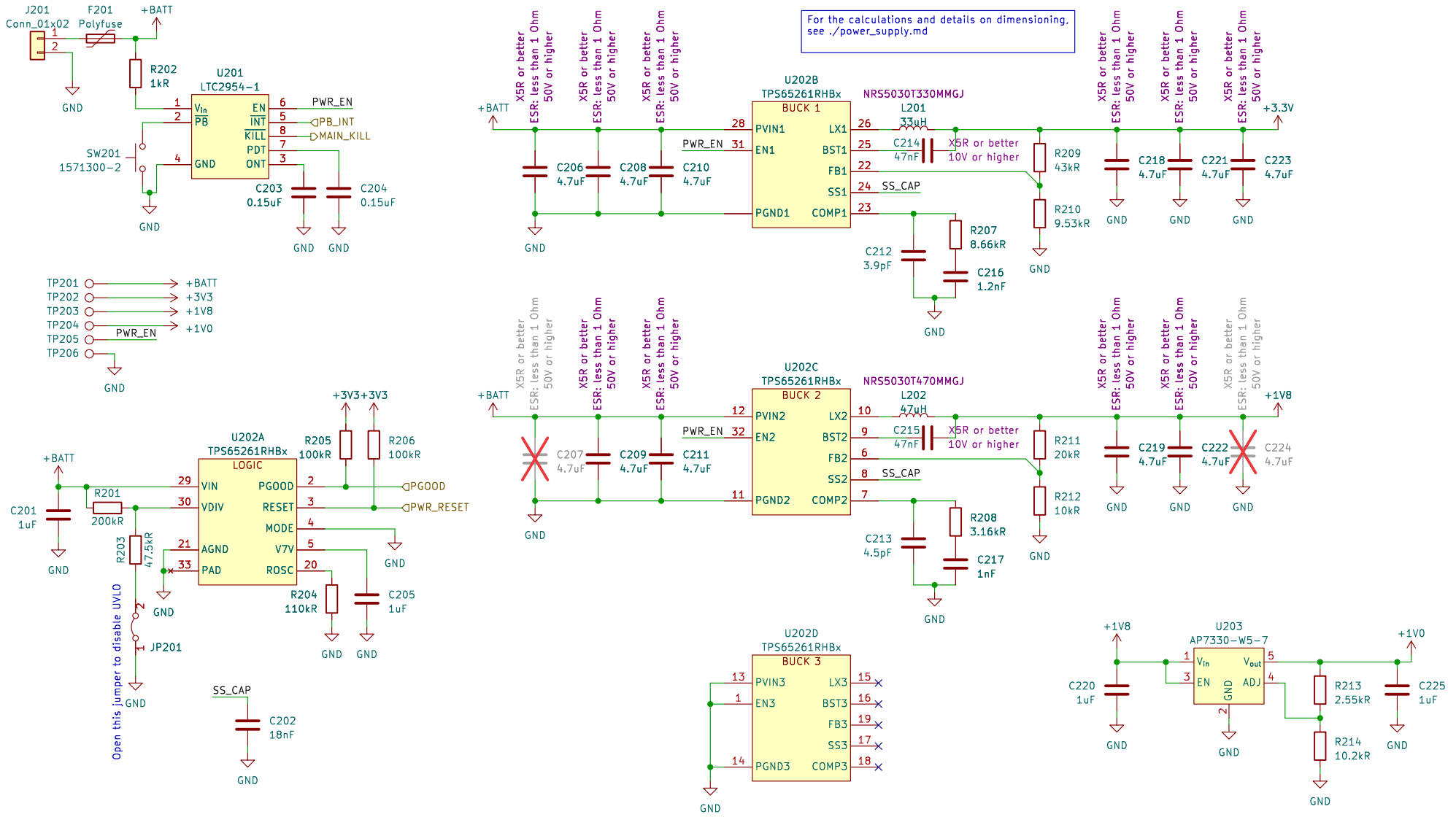
M17 Project

Sheet: /

File: OpenHT-RF.kicad_sch

Title: OpenHT – open source SDR handheld

Size: A4	Date: 2023-02-17	**Rev: A**
KiCad E.D.A. kicad (7.0.0)		Id: 1/5


J201
Conn_01x02
F201
Polyfuse
+BATT
R202
1kR
U201
LTC2954-1
SW201
1571300-2
PWR_EN
PB_INT
MAIN_KILL
C203
0.15uF
C204
0.15uF
GND
TP201
TP202
TP203
TP204
TP205
TP206
+BATT
+3V3
+1V8
+1V0
PWR_EN
U202A
TPS65261RHBx
LOGIC
R201
200kR
C201
1uF
R203
47.5kR
R205
100kR
R206
100kR
+3V3
R204
110kR
C205
1uF
PGOOD
PWR_RESET
JP201
Open this jumper to disable UVLO
SS_CAP
C202
18nF
For the calculations and details on dimensioning, see ./power_supply.md
X5R or better
ESR: less than 1 Ohm
50V or higher
U202B
BUCK 1
NRS5030T330MMGJ
L201
33uH
C206
4.7uF
C208
4.7uF
C210
4.7uF
C214
47nF
X5R or better
10V or higher
R209
43kR
R210
9.53kR
C212
3.9pF
R207
8.66kR
C216
1.2nF
C218
4.7uF
C221
4.7uF
C223
4.7uF
+3.3V
U202C
BUCK 2
NRS5030T470MMGJ
L202
47uH
C207
4.7uF
C209
4.7uF
C211
4.7uF
C215
47nF
R211
20kR
R212
10kR
C213
4.5pF
R208
3.16kR
C217
1nF
C219
4.7uF
C222
4.7uF
C224
4.7uF
+1V8
U202D
BUCK 3
U203
AP7330-W5-7
C220
1uF
R213
2.55kR
R214
10.2kR
C225
1uF
+1V0
Authors: Wojciech SP5WWP, Leo Hofer, Morgan ON4MOD
M17 Project
Sheet: /Power supply/
File: pwr.kicad_sch
Title: OpenHT – open source SDR handheld
Size: A4
Date: 2023-02-17
Rev: A
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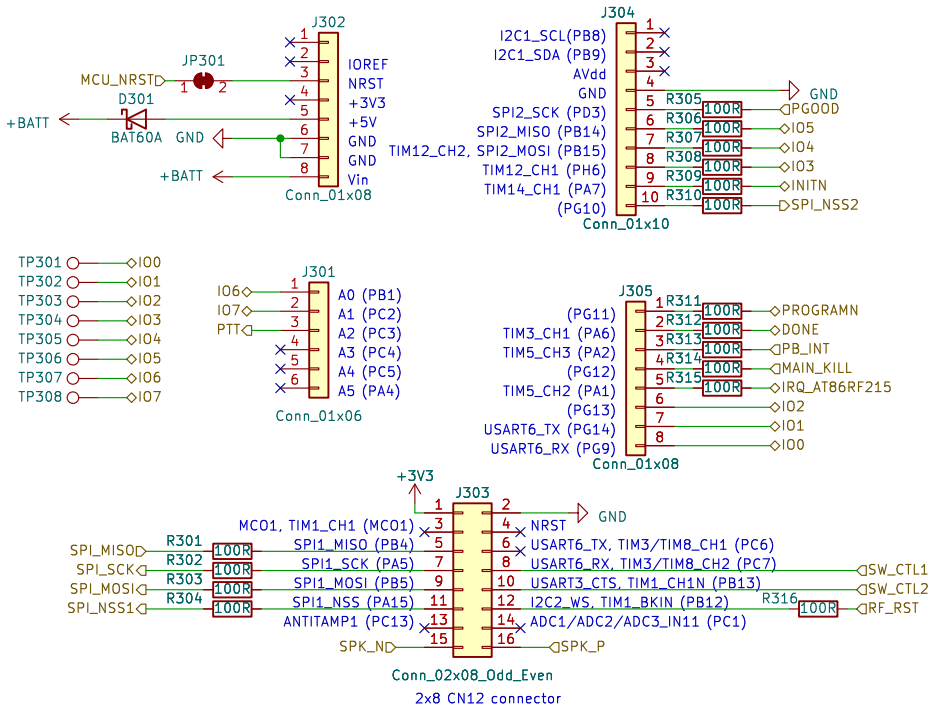
Arduino uno connector



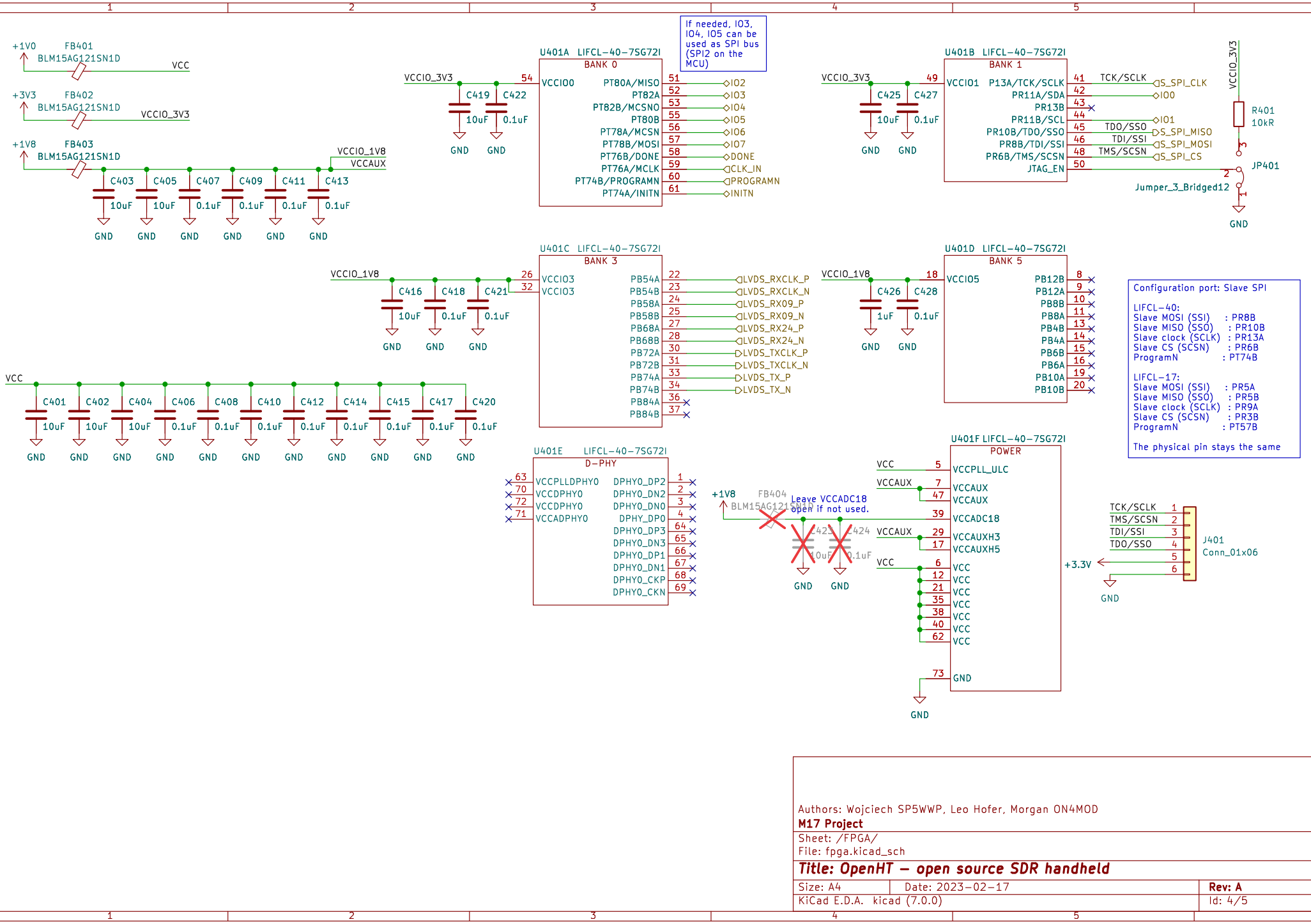
Authors: Wojciech SP5WWP, Leo Hofer, Morgan ON4MOD

M17 Project

Sheet: /Connectors/
File: conn.kicad_sch

Title: OpenHT – open source SDR handheld

Size: A4	Date: 2023-02-17	**Rev: A**
KiCad E.D.A. kicad (7.0.0)		Id: 3/5



Authors: Wojciech SP5WWP, Leo Hofer, Morgan ON4MOD

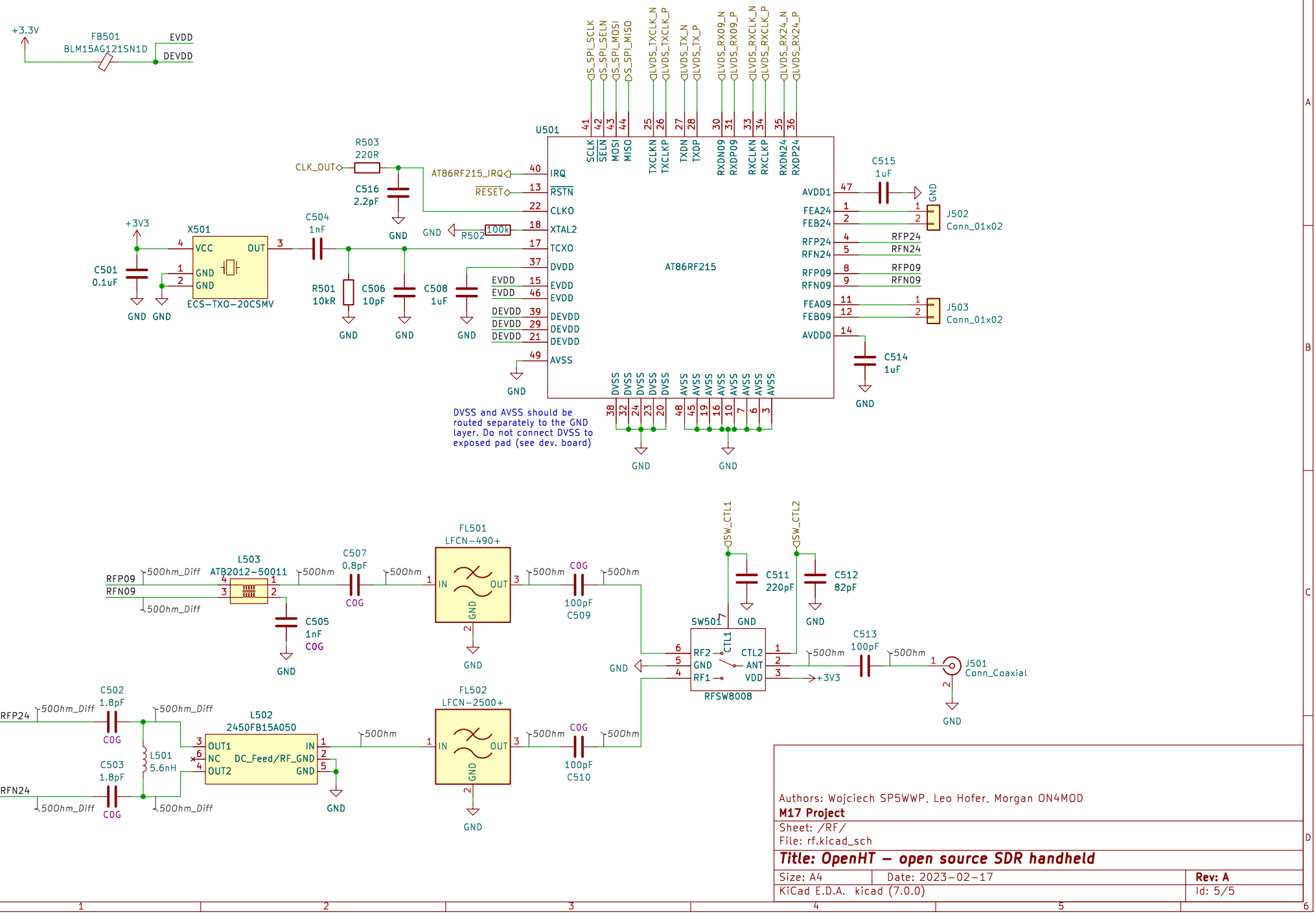
M17 Project

Sheet: /FPGA/

File: fpga.kicad_sch

Title: OpenHT – open source SDR handheld

Size: A4	Date: 2023-02-17	**Rev: A**
KiCad E.D.A. kicad (7.0.0)		Id: 4/5



Authors: Wojciech SP5WWP, Leo Hofer, Morgan ON4MOD

M17 Project

Sheet: /RF/

File: rf.kicad_sch

Title: OpenHT – open source SDR handheld

Size: A4	Date: 2023-02-17	**Rev: A**
KiCad E.D.A. kicad (7.0.0)		Id: 5/5