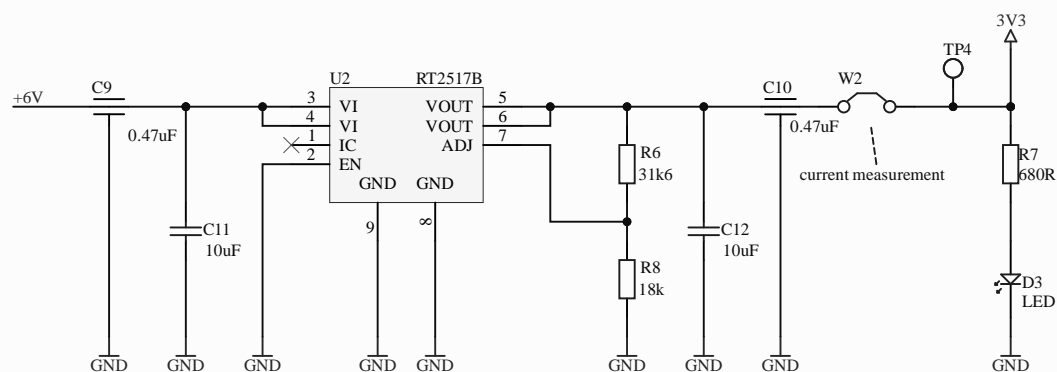
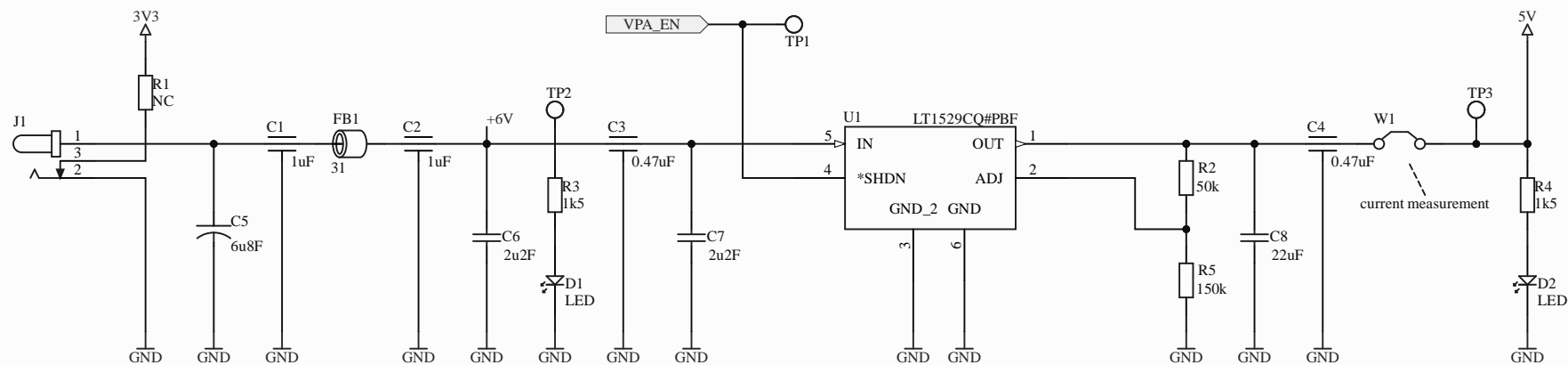
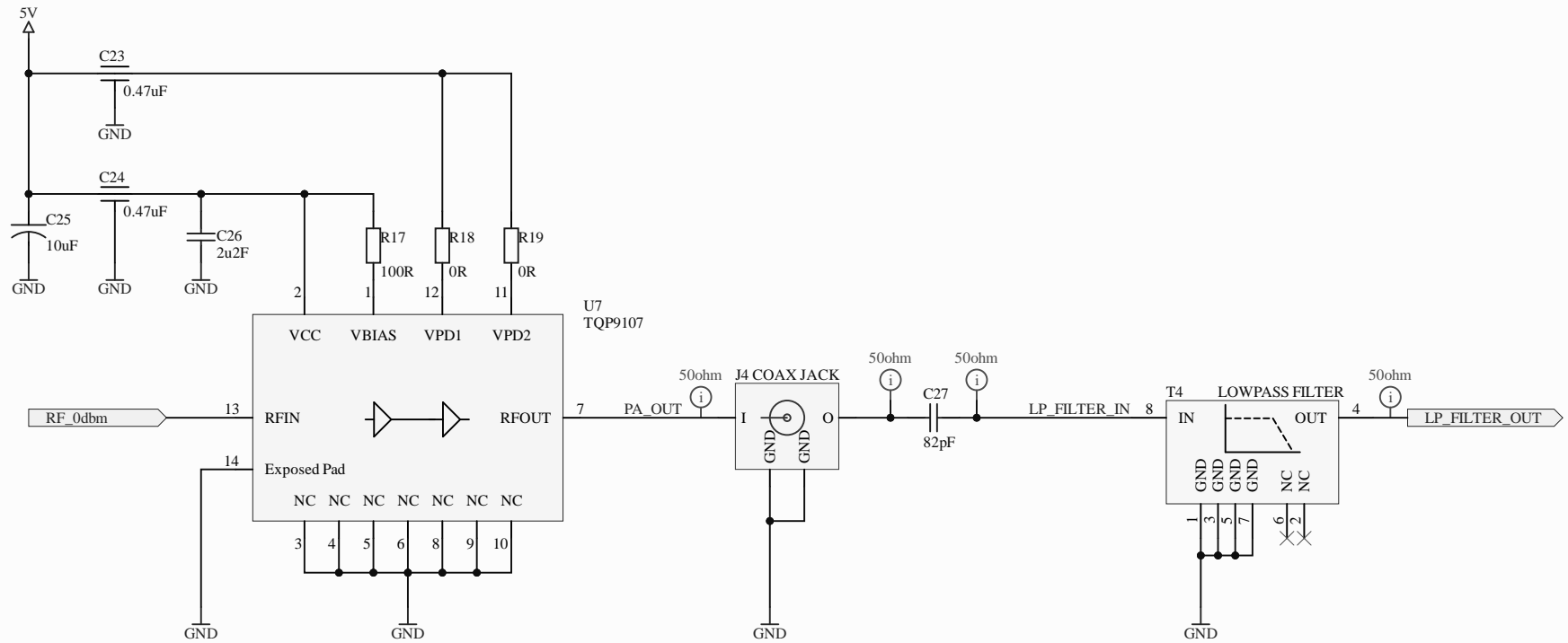
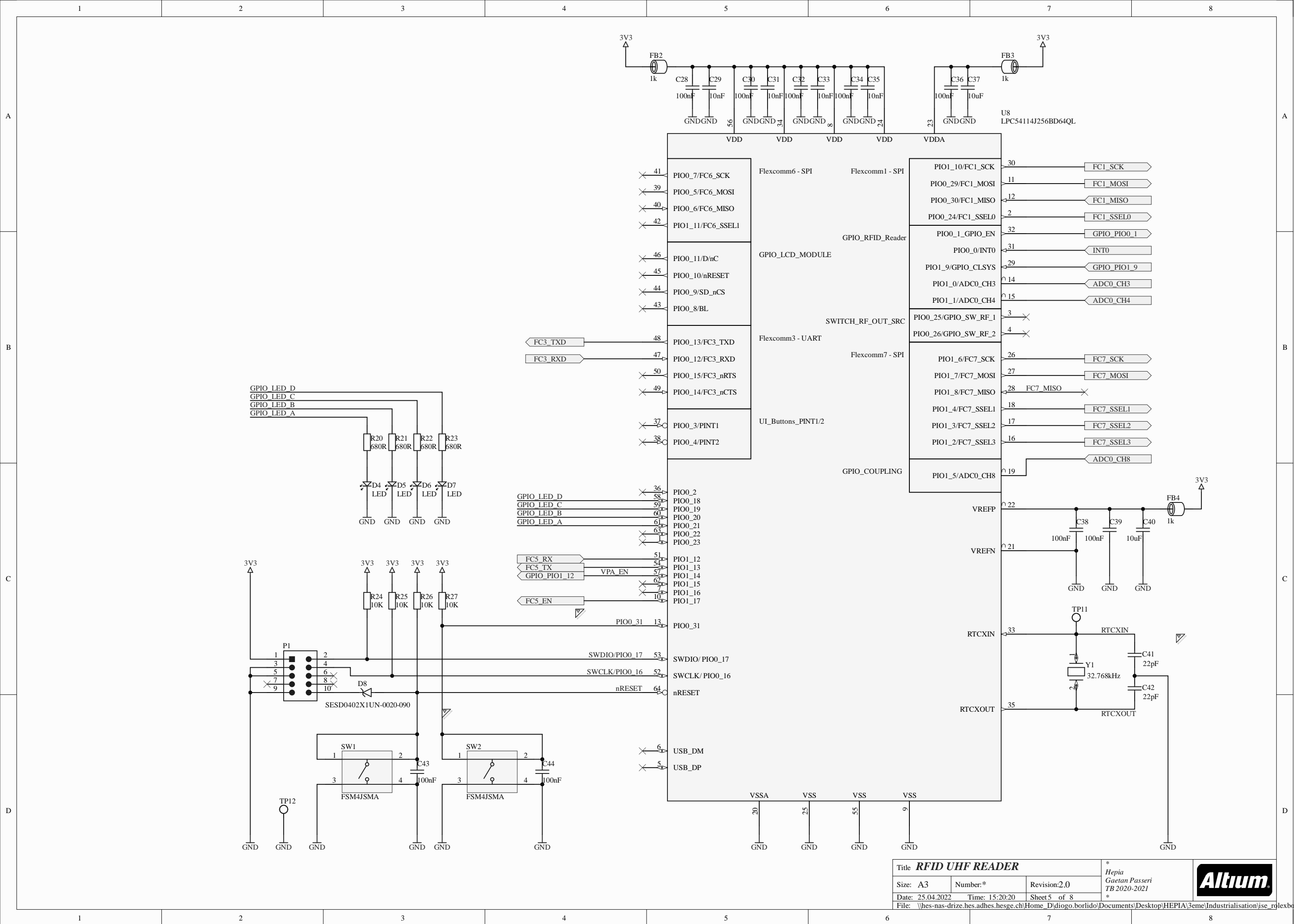


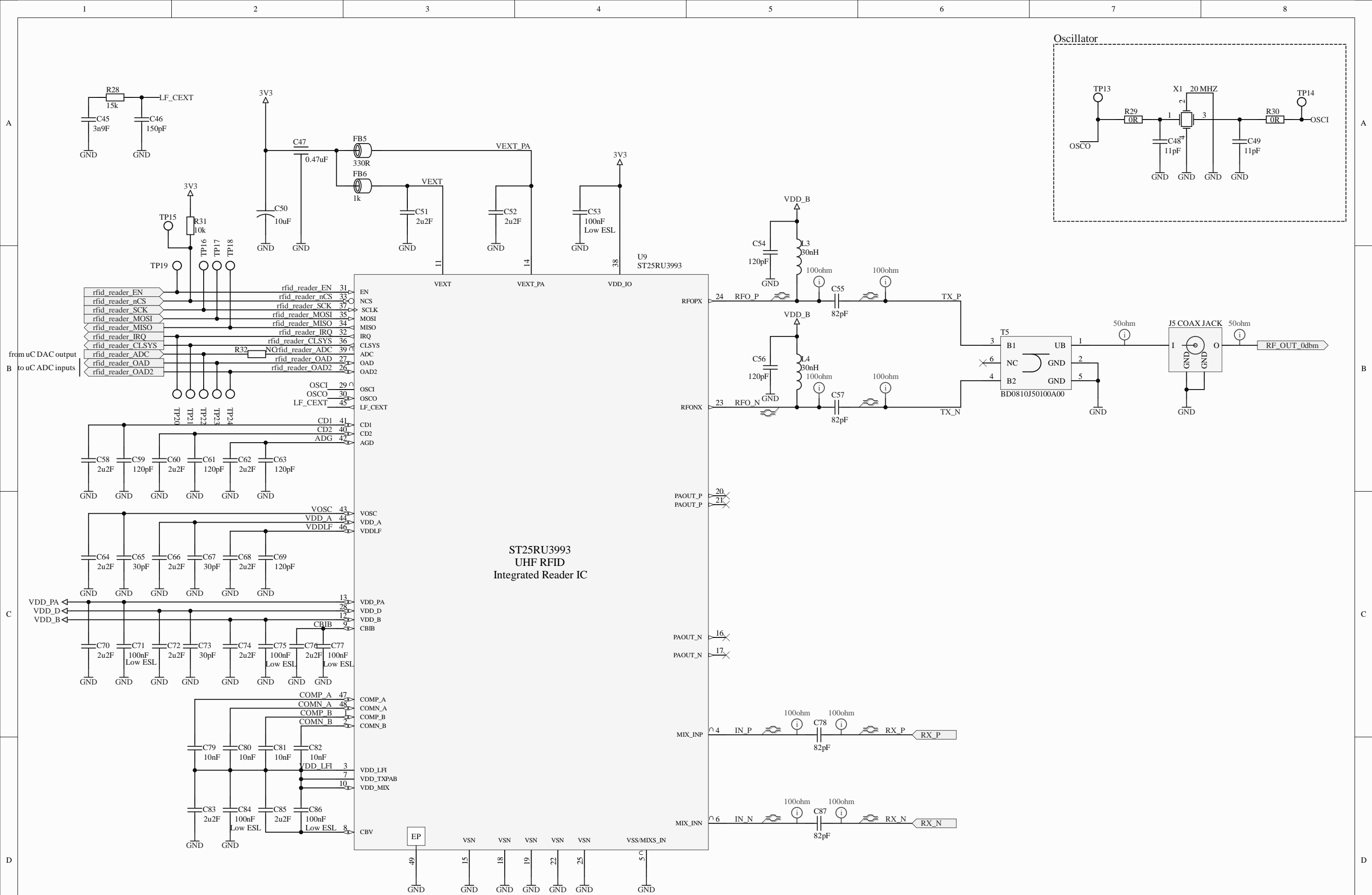
^A fallback solution. The RF detector output isn't connected to the ST25RU3993 by default. the 0ohm resistor must be unmounted. The ST25RU3993 measure the power internally via its RX_P/N mix inputs!




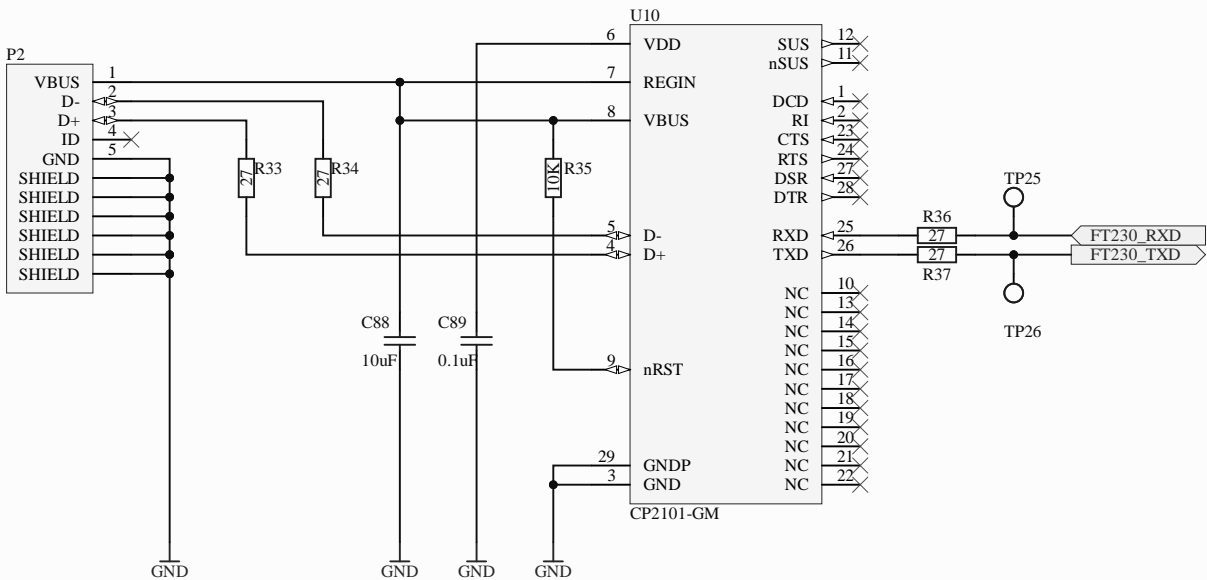
5V
Δ
UF = 1,9V
IF = 2mA
 $R = (5 - 1,9) \cdot 10^{-3} = 1550$
E12 \Rightarrow 1500 ohm
 $\Rightarrow IF = (5 - 1,9) / 1500 = 2,06 \text{ mA}$







| | | | | |
|--|----------------|--------------|---|---|
| Title RFID UHF READER | | | * Hepia Gaetan Passeri TB 2020-2021 * |  |
| Size: A3 | Number:* | Revision:2.0 | | |
| Date: 25.04.2022 | Time: 15:20:21 | Sheet 6 of 8 | | |
| File: \\hes-nas-drize.hes.adhes.hesge.ch\Home_D\diogo.borlido\Documents\Desktop\HEPIA\3eme\Industrialisation\jse_rolexbo | | | | |



Title **RFID UHF READER**

Size: A4

Number:*

Revision:2.0

Date: 25.04.2022

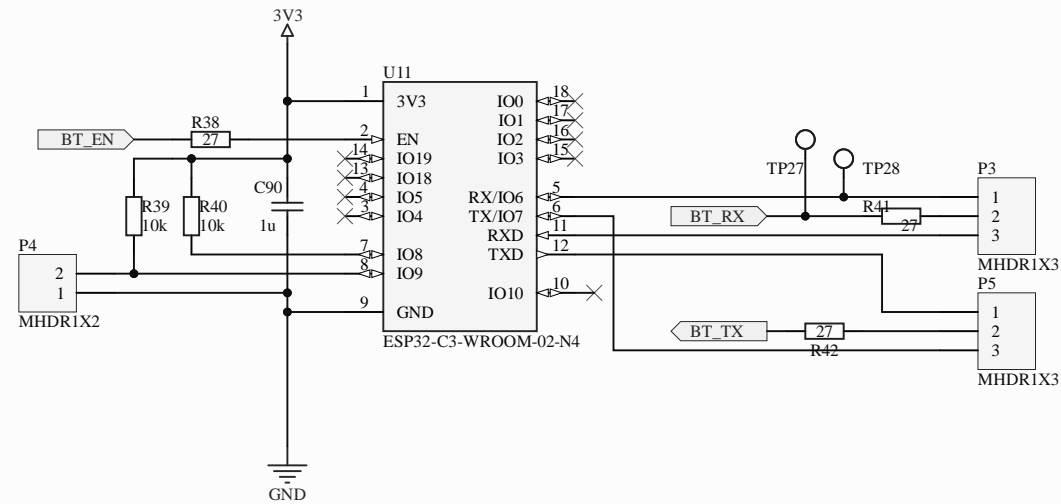
Time: 15:20:21

Sheet 7 of 8

File: \\hes-nas-drize.hes.adhes.hesge.ch\Home_D\diogo.borlido\Documents\Desktop\HEPIA\3eme\Industrialisation\ise_rglexb

*
Hepia
Gaetan Passeri
TB 2020-2021





| Title | | |
|-------|-------------------------|-----------|
| Size | Number | Revision |
| A4 | | |
| Date: | 4.25.2022 | Sheet of |
| File: | \\..\\Connection.SchDoc | Drawn By: |

A

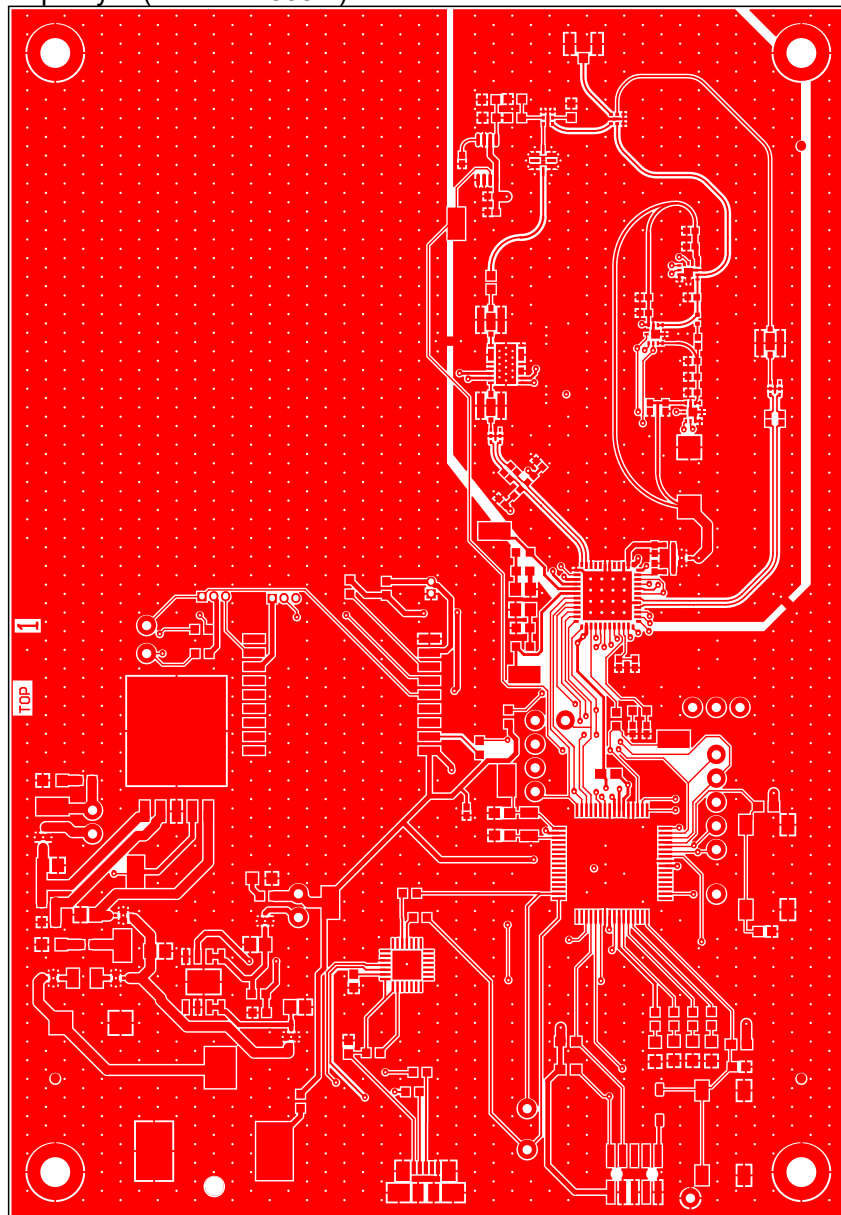
B

C

D

E

Top Layer (Scale 1.2333:1)



Bottom Layer (Scale 1.2333:1)

