

Microcontroller, CPLD, USB, Power

File: mcu.kicad_sch

Clock

File: clock.kicad_sch

Baseband

File: baseband.kicad_sch

Front End

File: frontend.kicad_sch

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Sheet: /
File: hackrf-one.kicad_sch

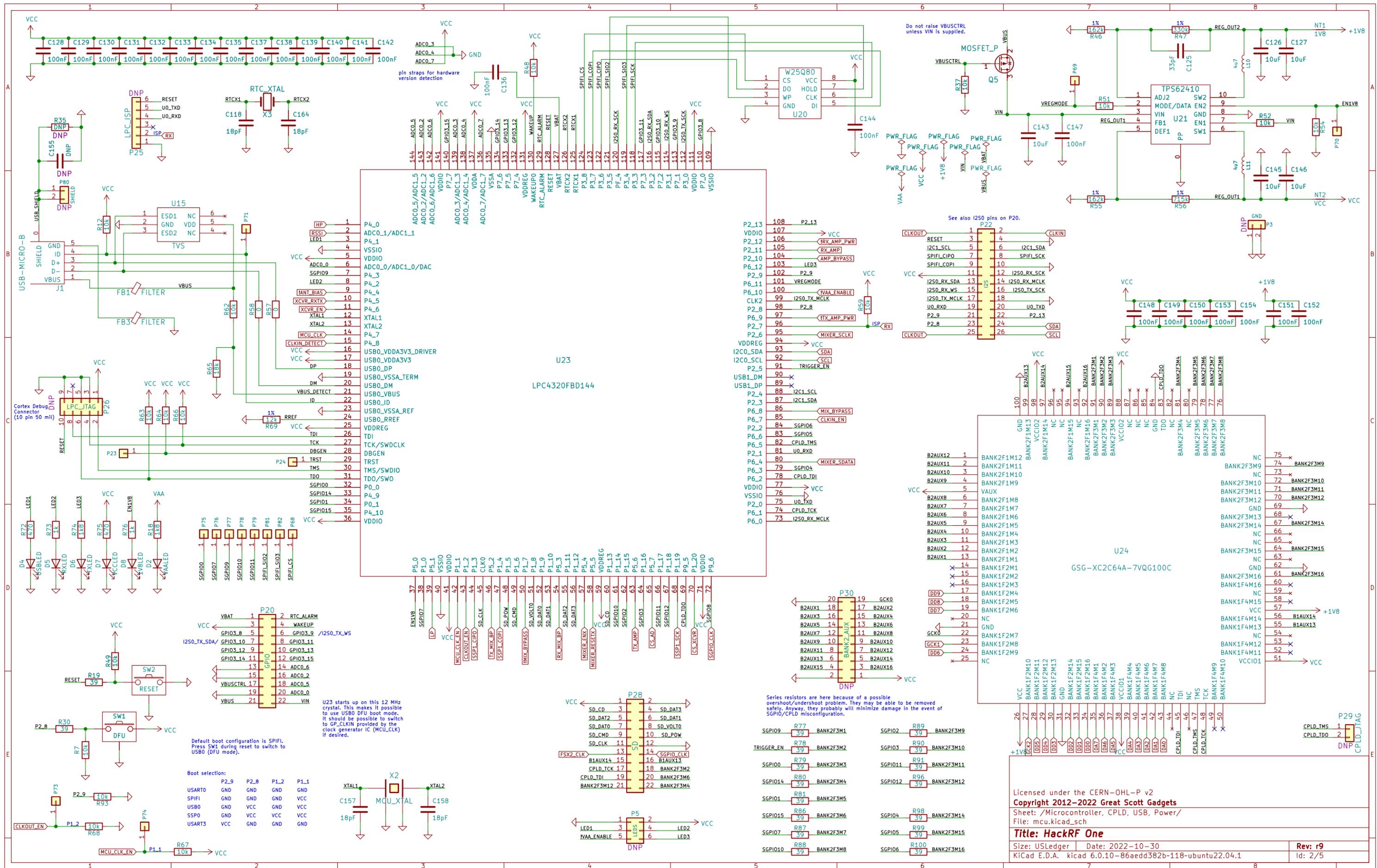
Title: HackRF One

Size: USLedger | Date: 2022-10-30

Rev: r9

KiCad E.D.A. kicad 6.0.10-86aedd382b-118-ubuntu22.04.1

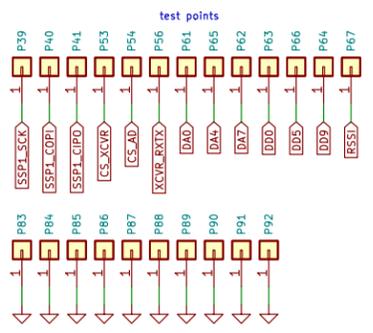
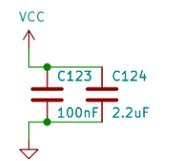
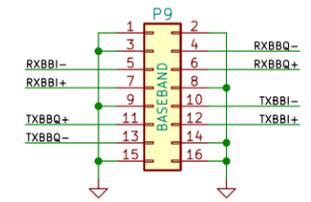
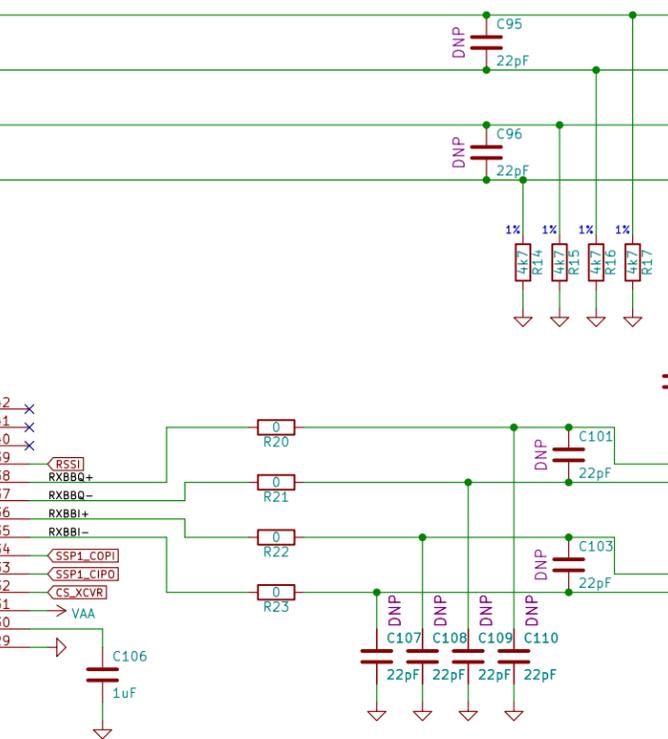
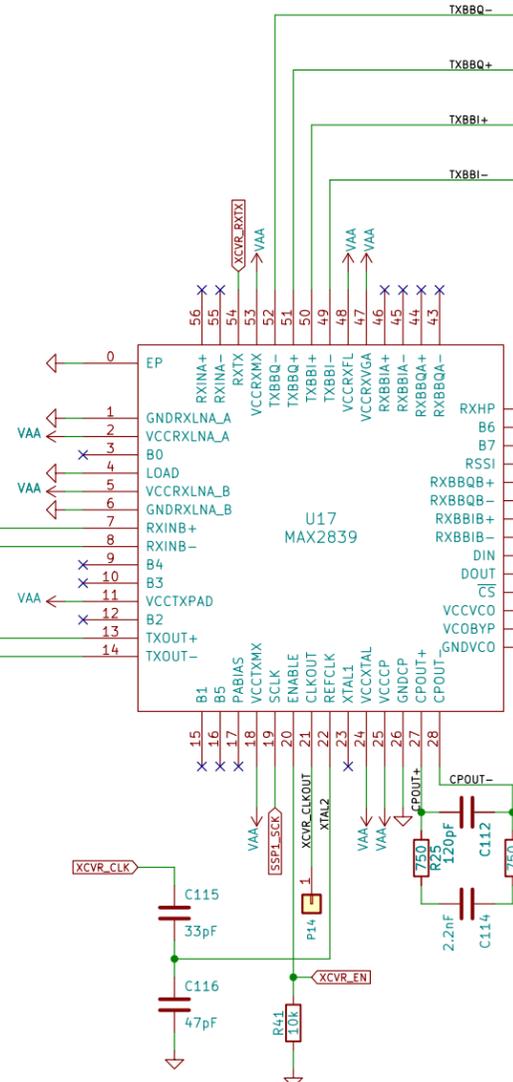
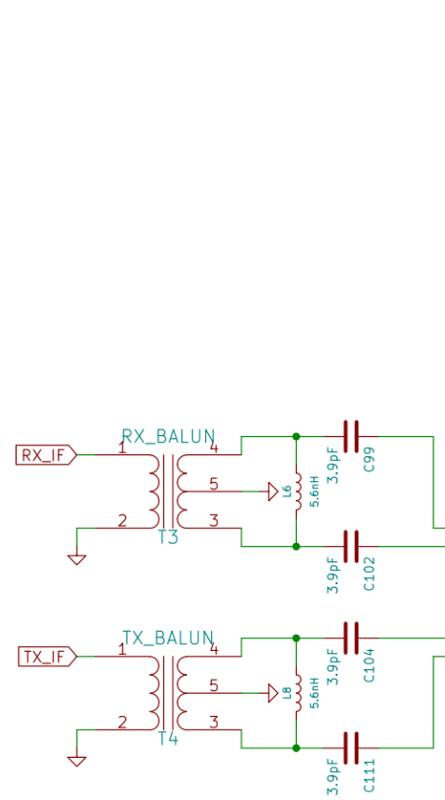
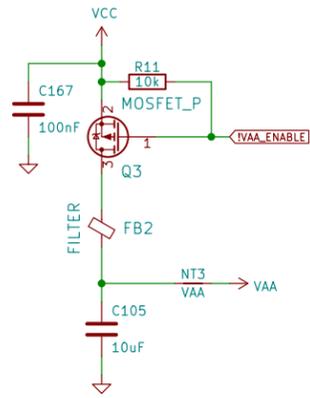
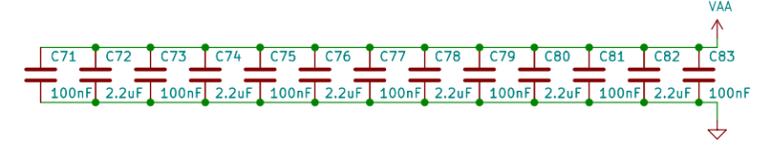
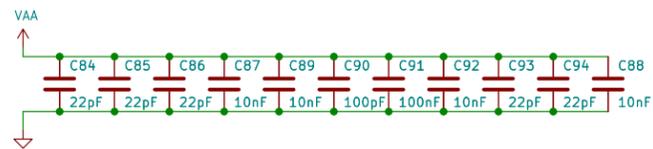
Id: 1/5



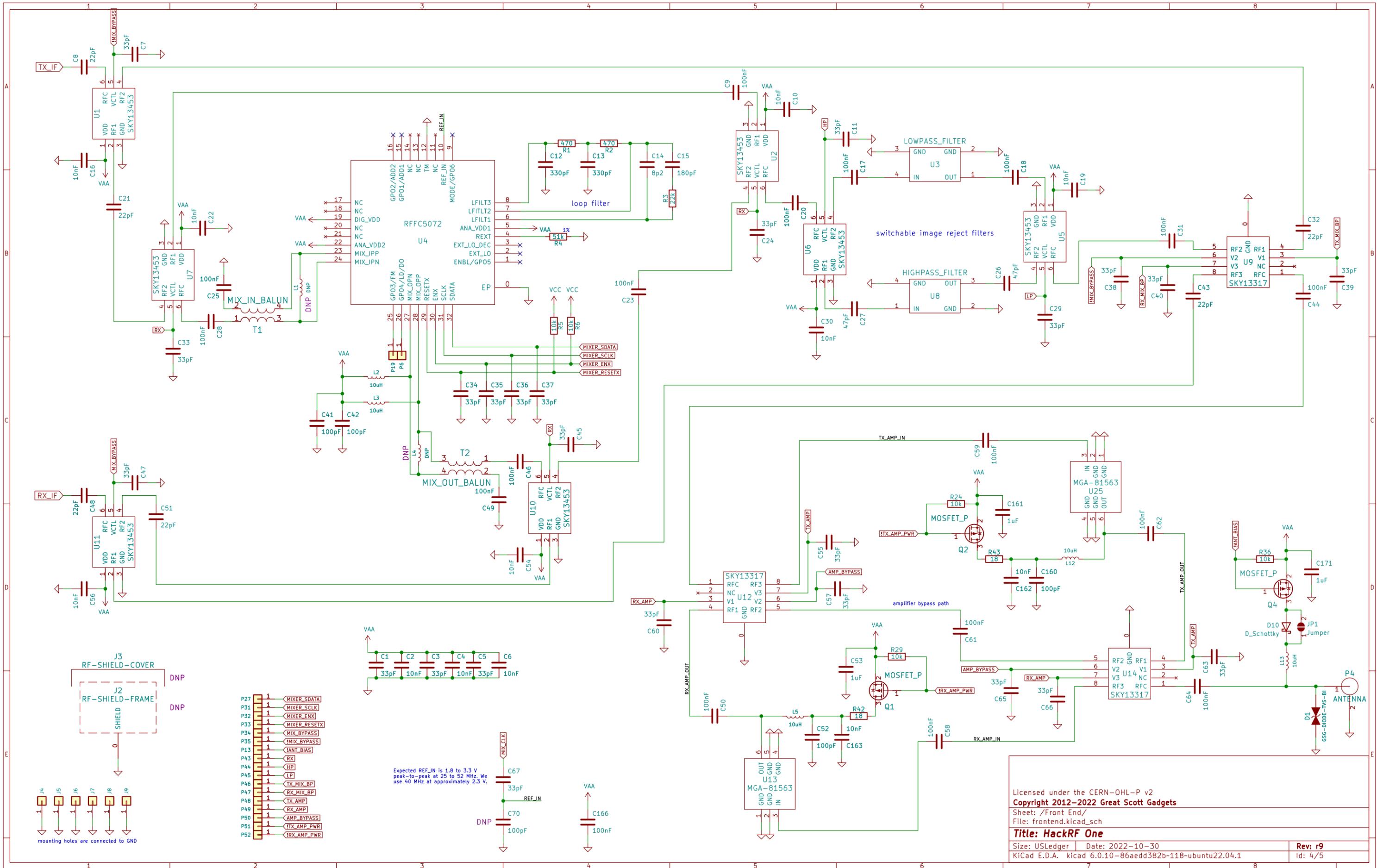
Boot selection:

| | | | |
|--------|-----|-----|-----|
| USART0 | GND | GND | GND |
| SPIFI | GND | GND | VCC |
| USB0 | GND | VCC | VCC |
| SSPO | GND | VCC | VCC |
| USART3 | VCC | GND | GND |

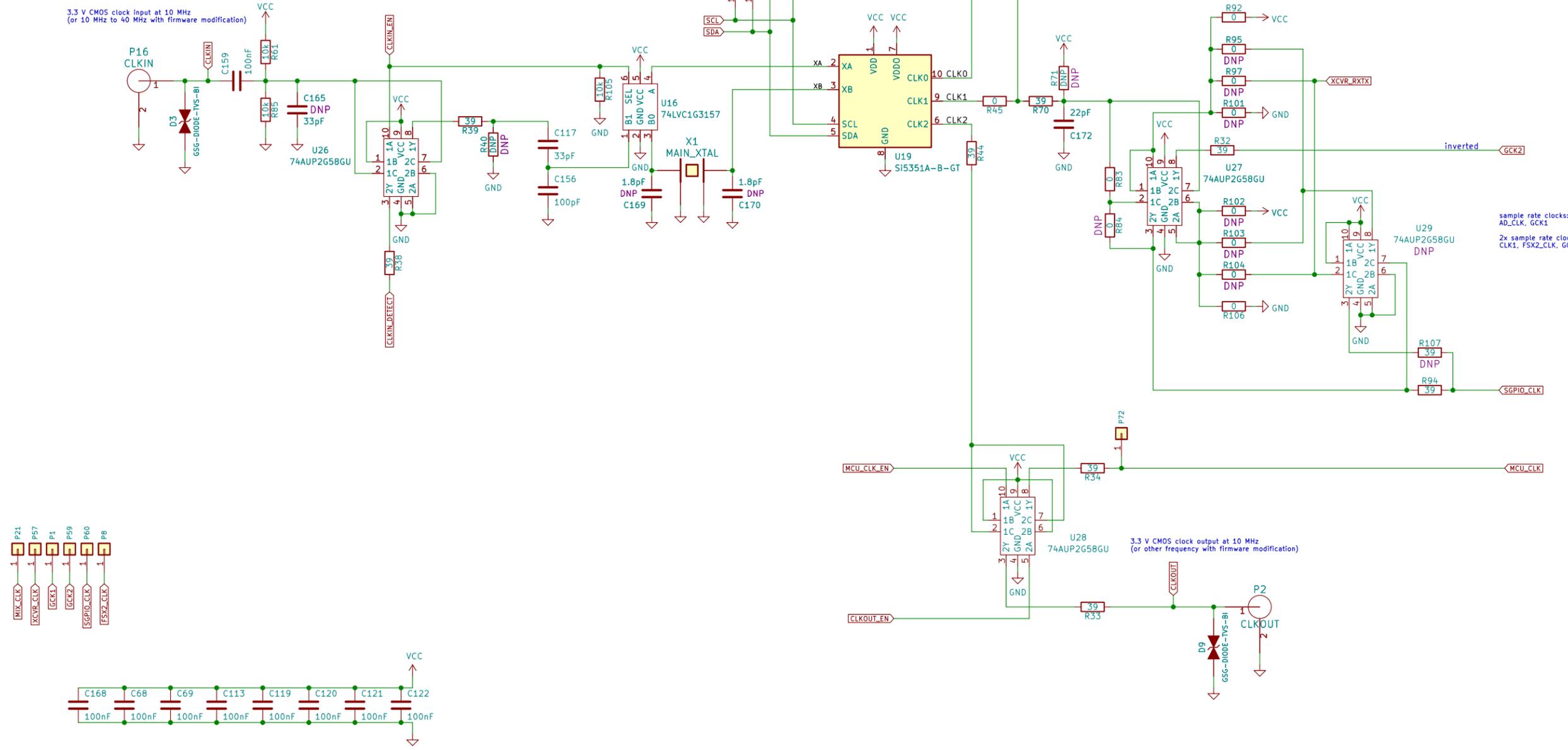
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 Sheet: /Baseband/
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 Sheet: /Front End/
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 KiCad E.D.A. | kicad 6.0.10-86aedd382b-118-ubuntu22.04.1 | Id: 4/5



3.3 V CMOS clock input at 10 MHz
(or 10 MHz to 40 MHz with firmware modification)

3.3 V CMOS clock output at 10 MHz
(or other frequency with firmware modification)

sample rate clocks:
AD_CLK, GCK1
2x sample rate clocks:
CLK1, FSX2_CLK, GCK2, SGPIO_CLK

