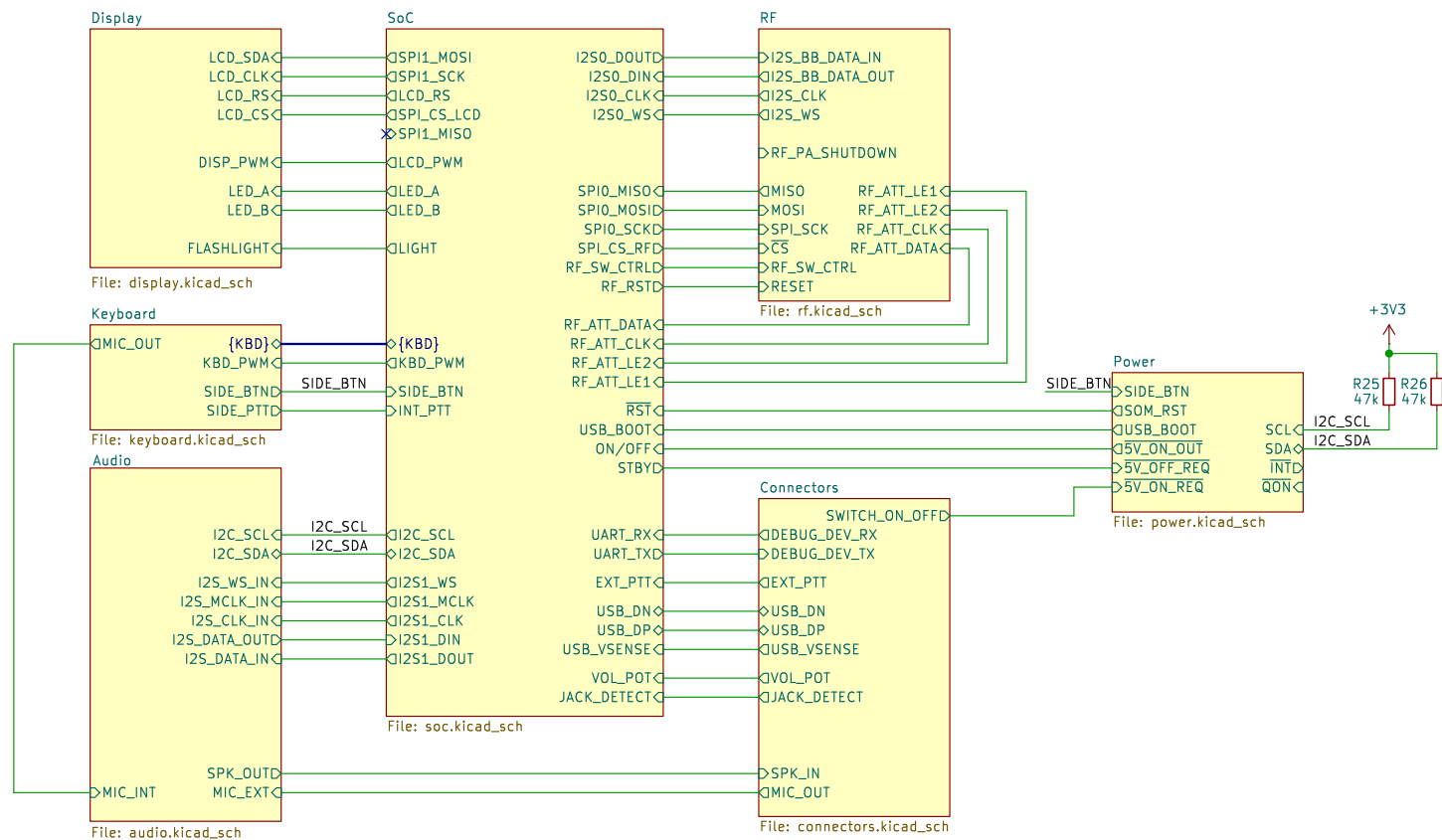




Author: Wojciech SP5WWP, Andy OE3ANC, Vlastimil OK5VAS

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Sheet: /

File: linht-hw.kicad_sch

Title: LinHT – Linux-based SDR handheld transceiver

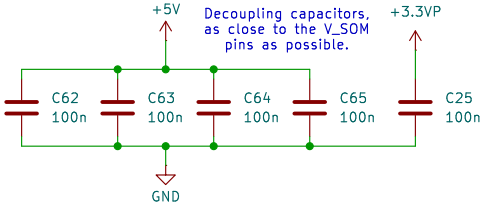
Size: A4

Date: 2025-11-25

Rev: B

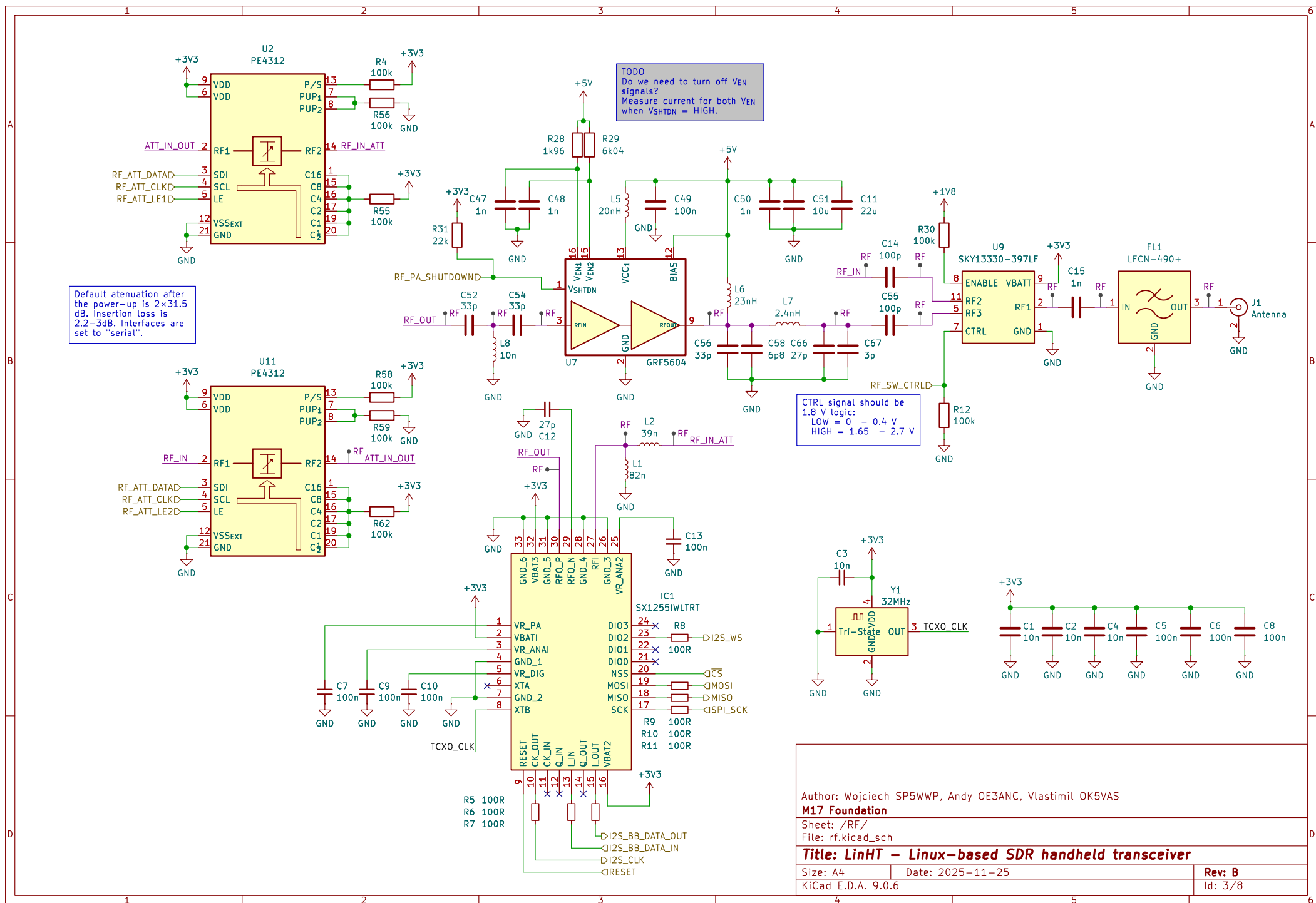
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Id: 1/8



I2S0	RF baseband
I2S1	TAC5111 audio
SPI0	SX1255 RF front-end
SPI1	ST7735R display

Id: 2/8



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Sheet: /RF/

File: rf.kicad_sch

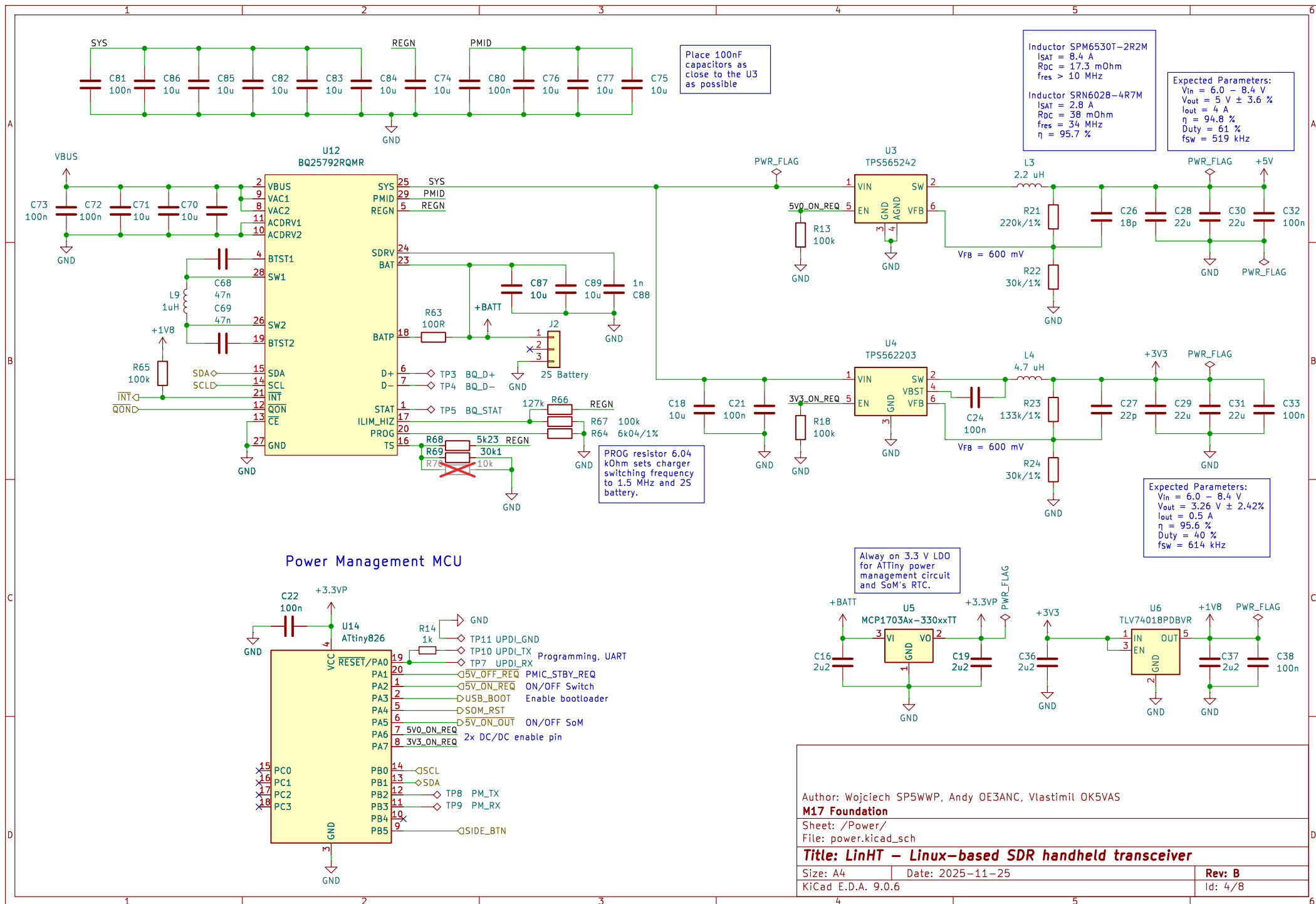
Title: LinHT – Linux-based SDR handheld transceiver

Size: A4 Date: 2025-11-25

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Author: Wojciech SP5WWP, Andy OE3ANC, Vlastimil OK5VAS

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Sheet: /Power/

File: power.kicad_sch

Title: LinHT – Linux-based SDR handheld transceiver

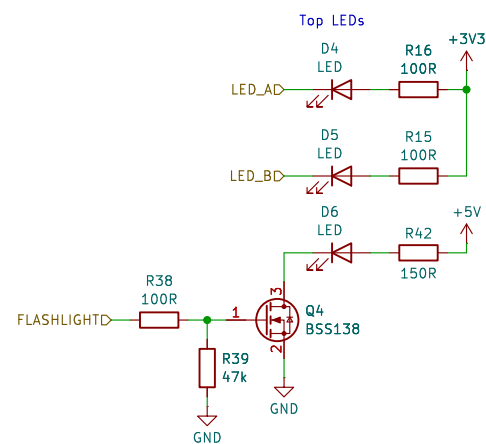
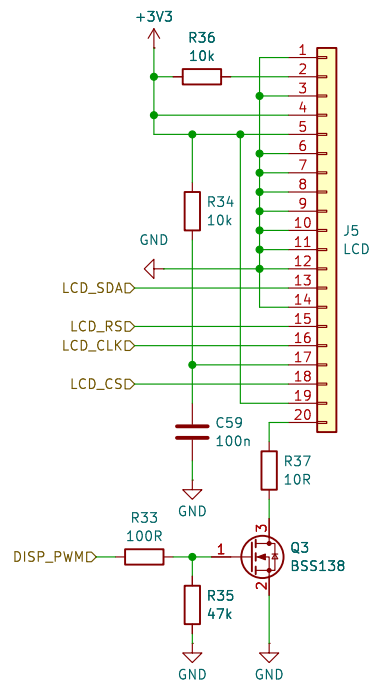
Size: A4 – Date: 2025-11-25

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Id: 4/8

Id: 5/8



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Sheet: /Display/

File: display.kicad_sch

Title: LinHT – Linux-based SDR handheld transceiver

Size: A4

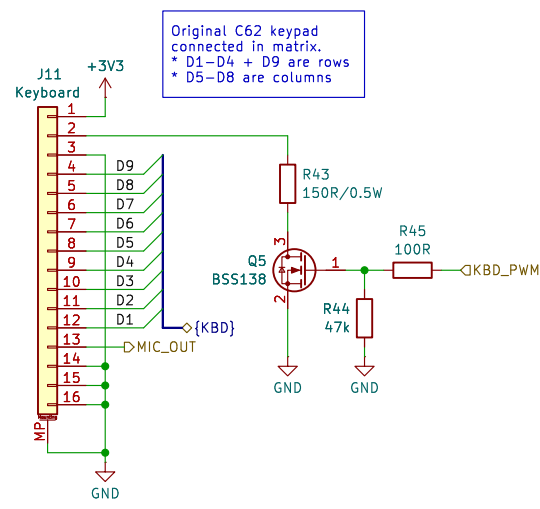
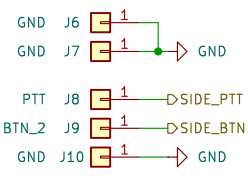
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Solder pads for the side keys (buttons). These have their own PCB.



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Sheet: /Keyboard/

File: keyboard.kicad_sch

Title: LinHT – Linux-based SDR handheld transceiver

Size: A4 Date: 2025-11-25

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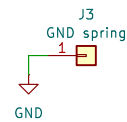
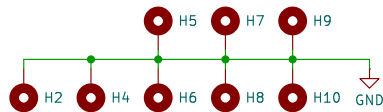
Rev: B

Id: 7/8

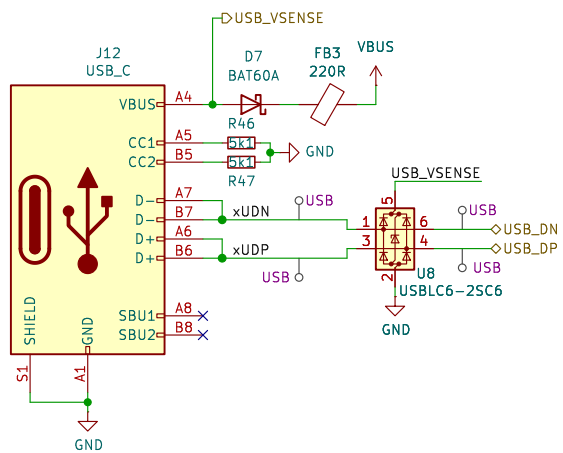
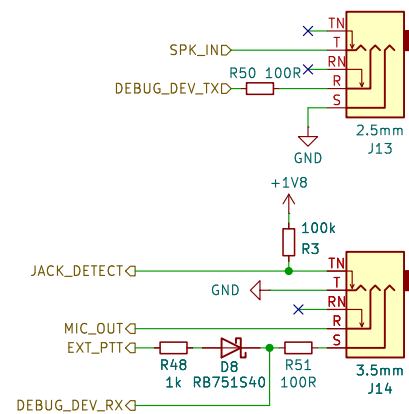
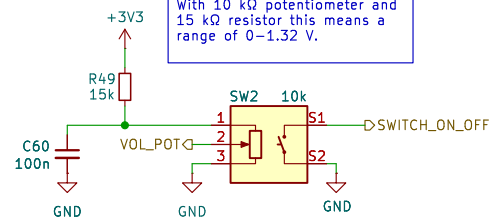
Original Retevis C62 PCB has these mounting holes:
 8× M2
 2× M2.5

Our new PCB will have:
 8× M2

Two M2.5 were removed due to conflict with the SoM.



ADC $V_{ref} = 1.8\text{ V}$
 With 10 kΩ potentiometer and 15 kΩ resistor this means a range of 0–1.32 V.



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Sheet: /Connectors/
 File: connectors.kicad_sch

Title: LinHT – Linux-based SDR handheld transceiver

Size: A4 Date: 2025-11-25

KiCad E.D.A. 9.0.6

Rev: B

Id: 8/8