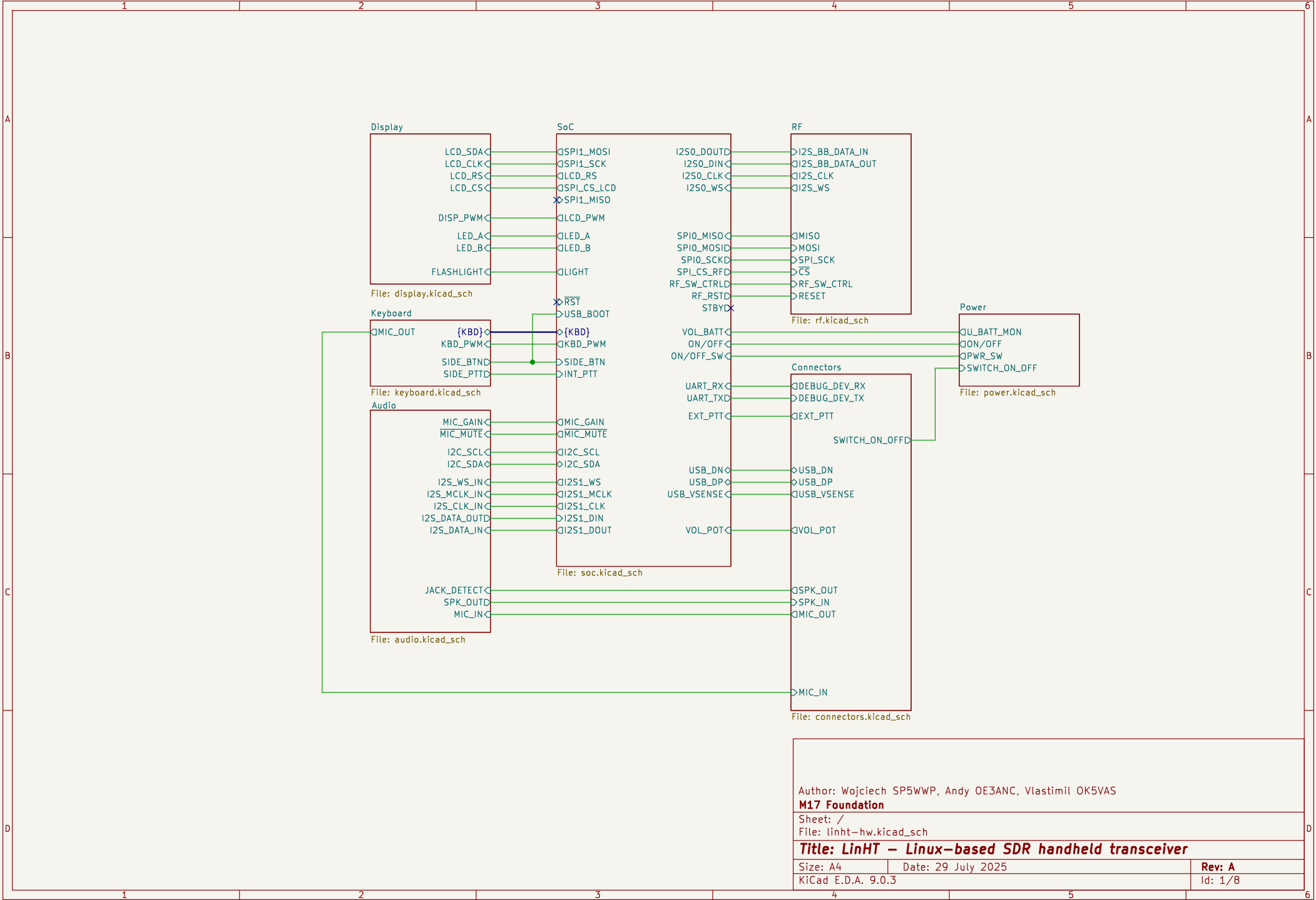




Author: Wojciech SP5WWP, Andy OE3ANC, Vlastimil OK5VAS

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Sheet: /

File: linht-hw.kicad_sch

Title: LinHT – Linux-based SDR handheld transceiver

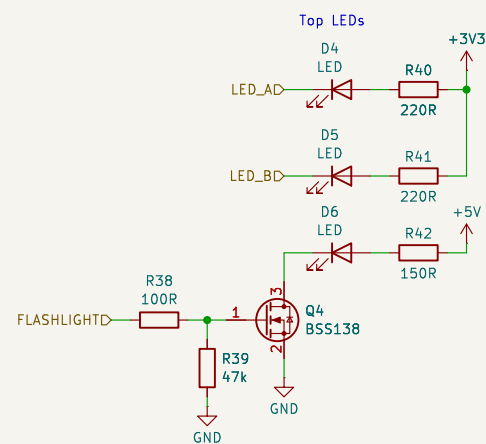
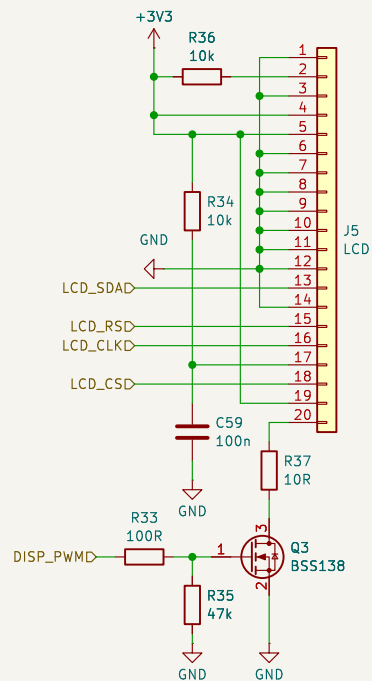
Size: A4

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Sheet: /Display/

File: display.kicad_sch

Title: LinHT – Linux-based SDR handheld transceiver

Size: A4

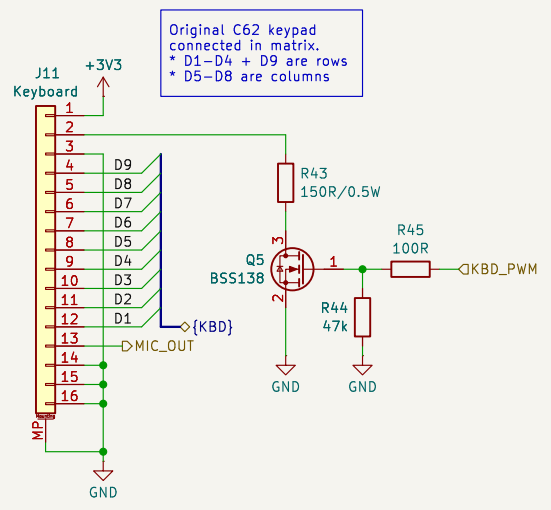
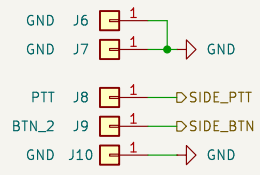
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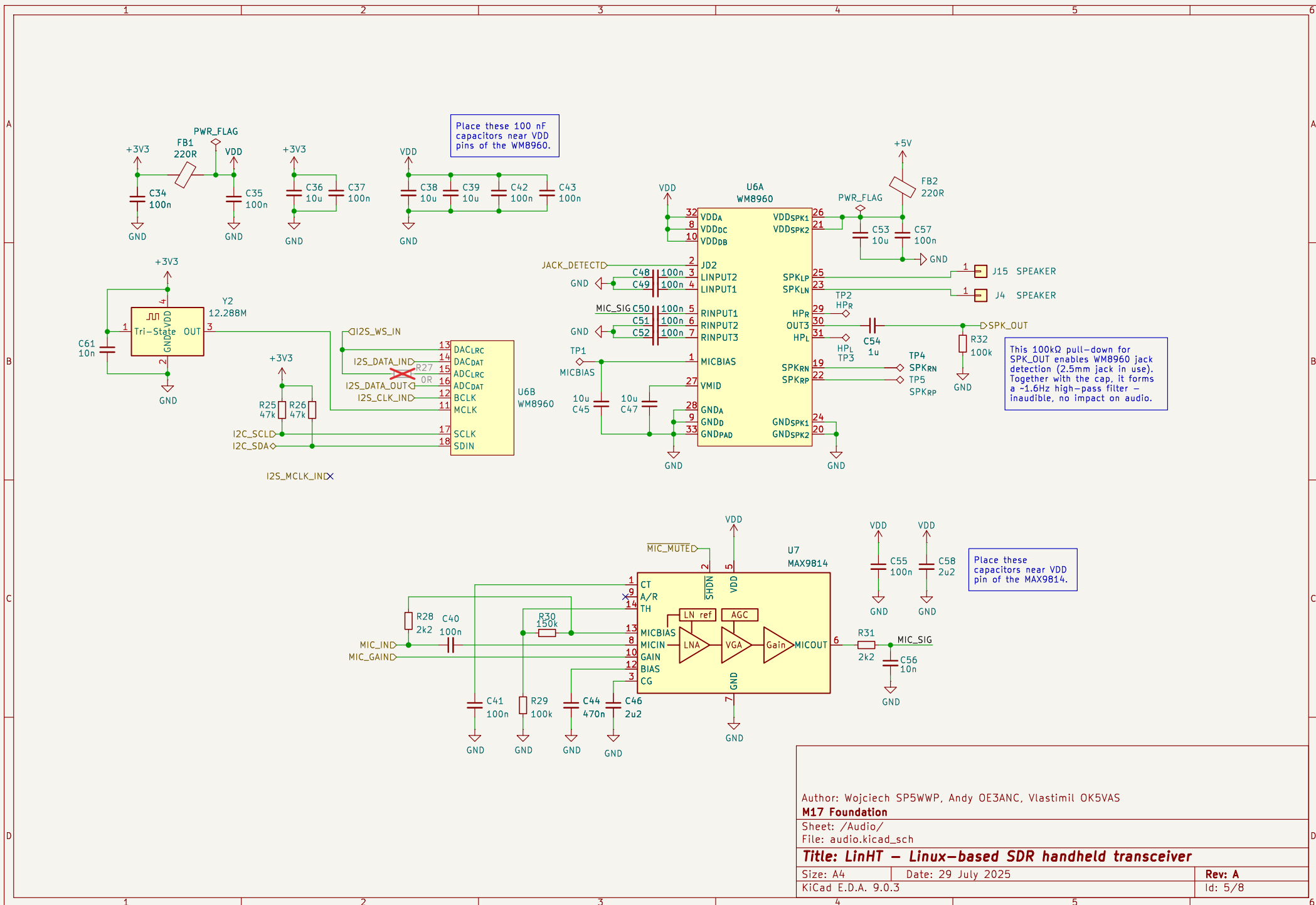
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Solder pads for the side keys (buttons). These have their own PCB.



Original C62 keypad connected in matrix.
 * D1–D4 + D9 are rows
 * D5–D8 are columns



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Sheet: /Audio/

File: audio.kicad_sch

Title: LinHT – Linux-based SDR handheld transceiver

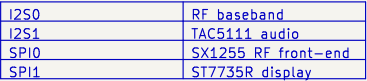
Size: A4

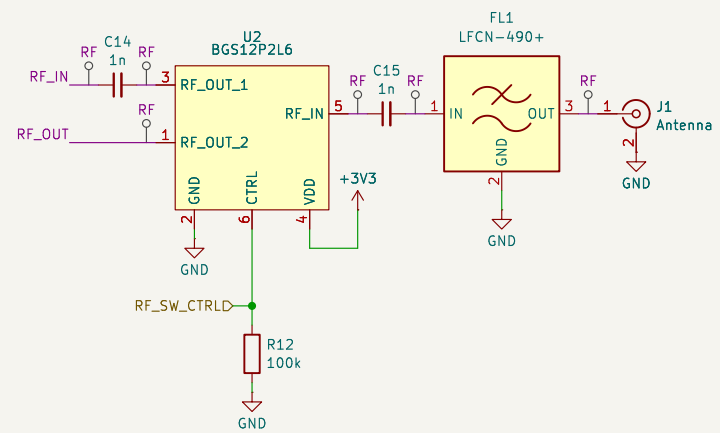
Date: 29 July 2025

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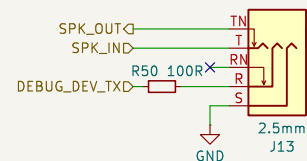
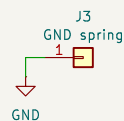
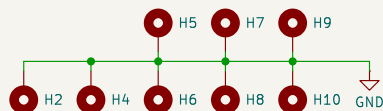


Id: 3/8

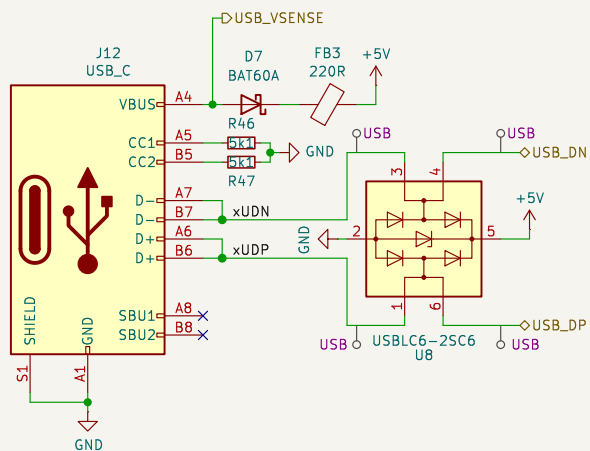
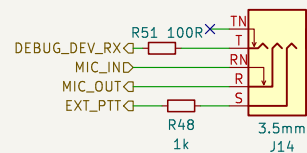
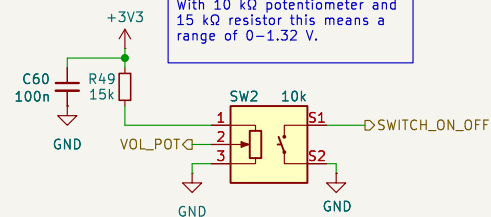
Original Retevis C62 PCB
has these mounting holes:
8× M2
2× M2.5

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 k Ω potentiometer and
15 k Ω 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

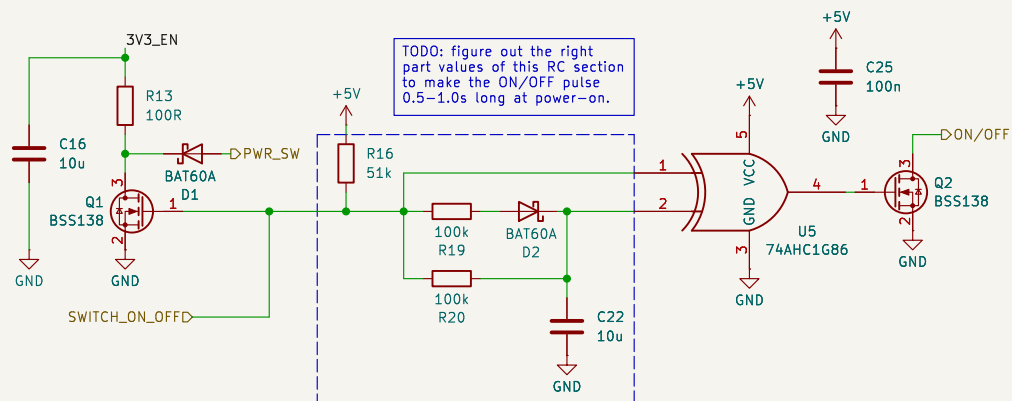
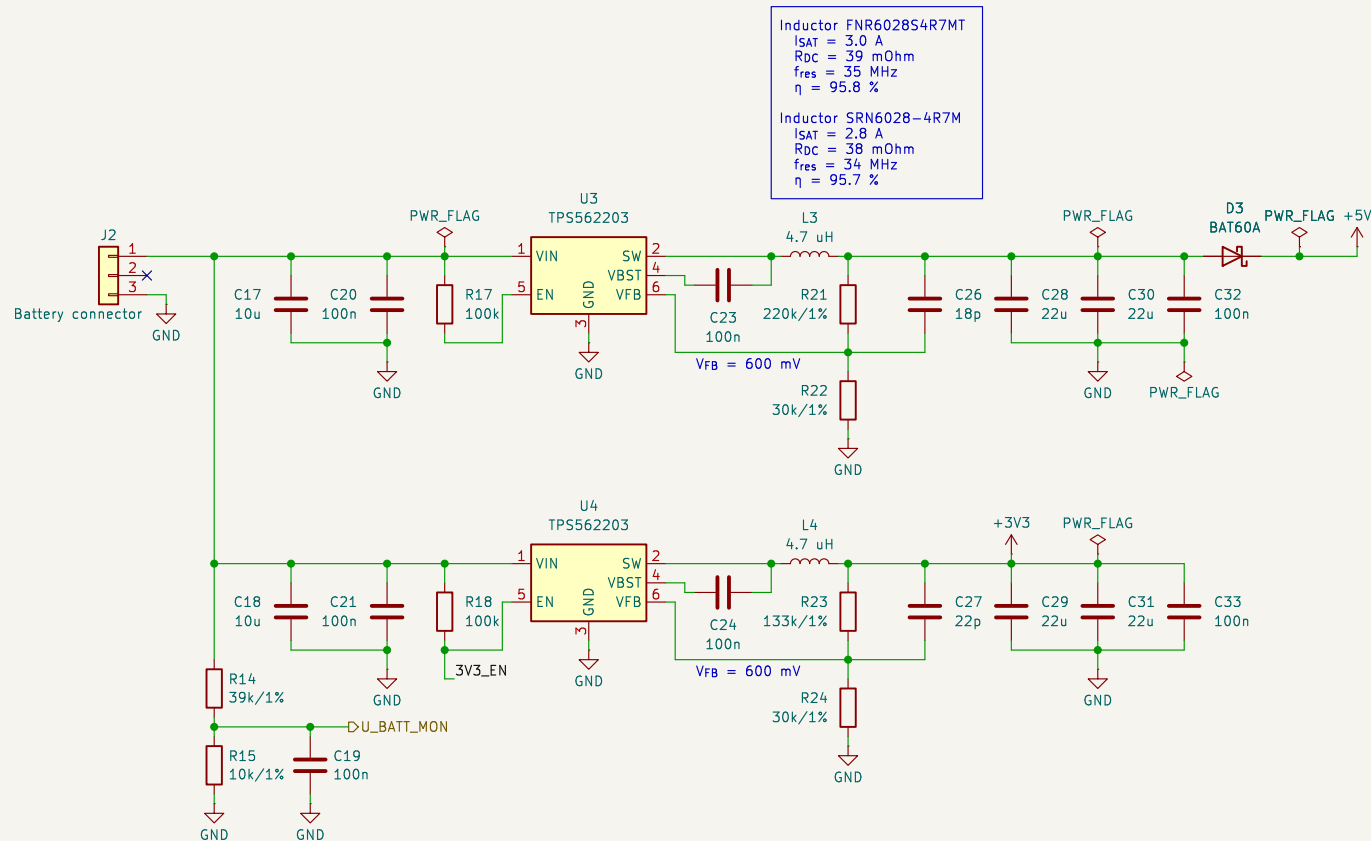
Size: A4

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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: 29 July 2025

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