

Author: Wojciech SP5WWP, Andy OE3ANC, Vlastimil OK5VAS

M17 Foundation

Sheet: /

File: linht-hw.kicad_sch

Title: LinHT – Linux-based SDR handheld transceiver

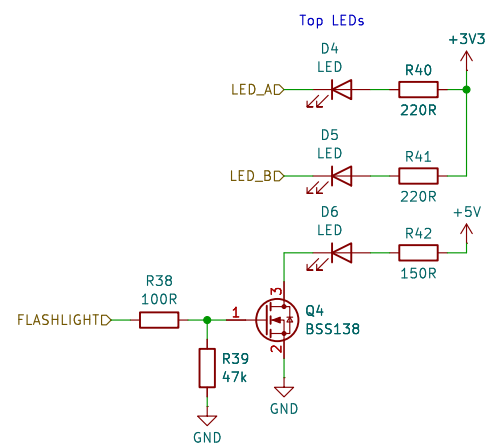
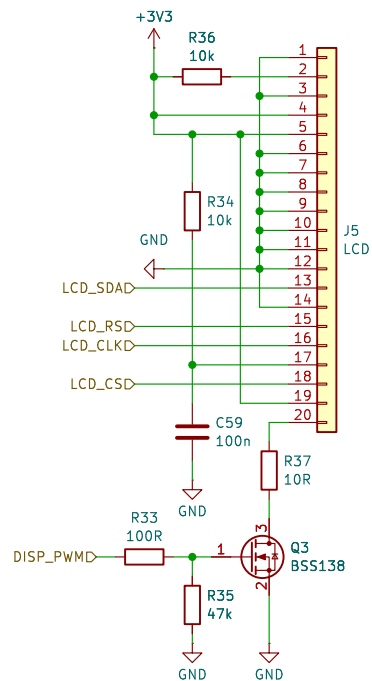
Size: A4

Date: 28 July 2025

Rev: A

KiCad E.D.A. 9.0.3

Id: 1/8



Author: Wojciech SP5WWP, Andy OE3ANC, Vlastimil OK5VAS

M17 Foundation

Sheet: /Display/

File: display.kicad_sch

Title: LinHT – Linux-based SDR handheld transceiver

Size: A4

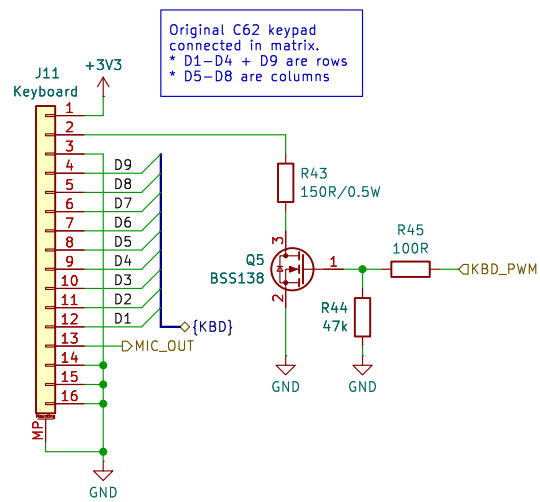
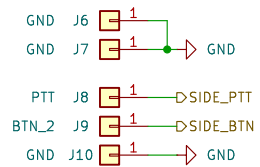
Date: 28 July 2025

Rev: A

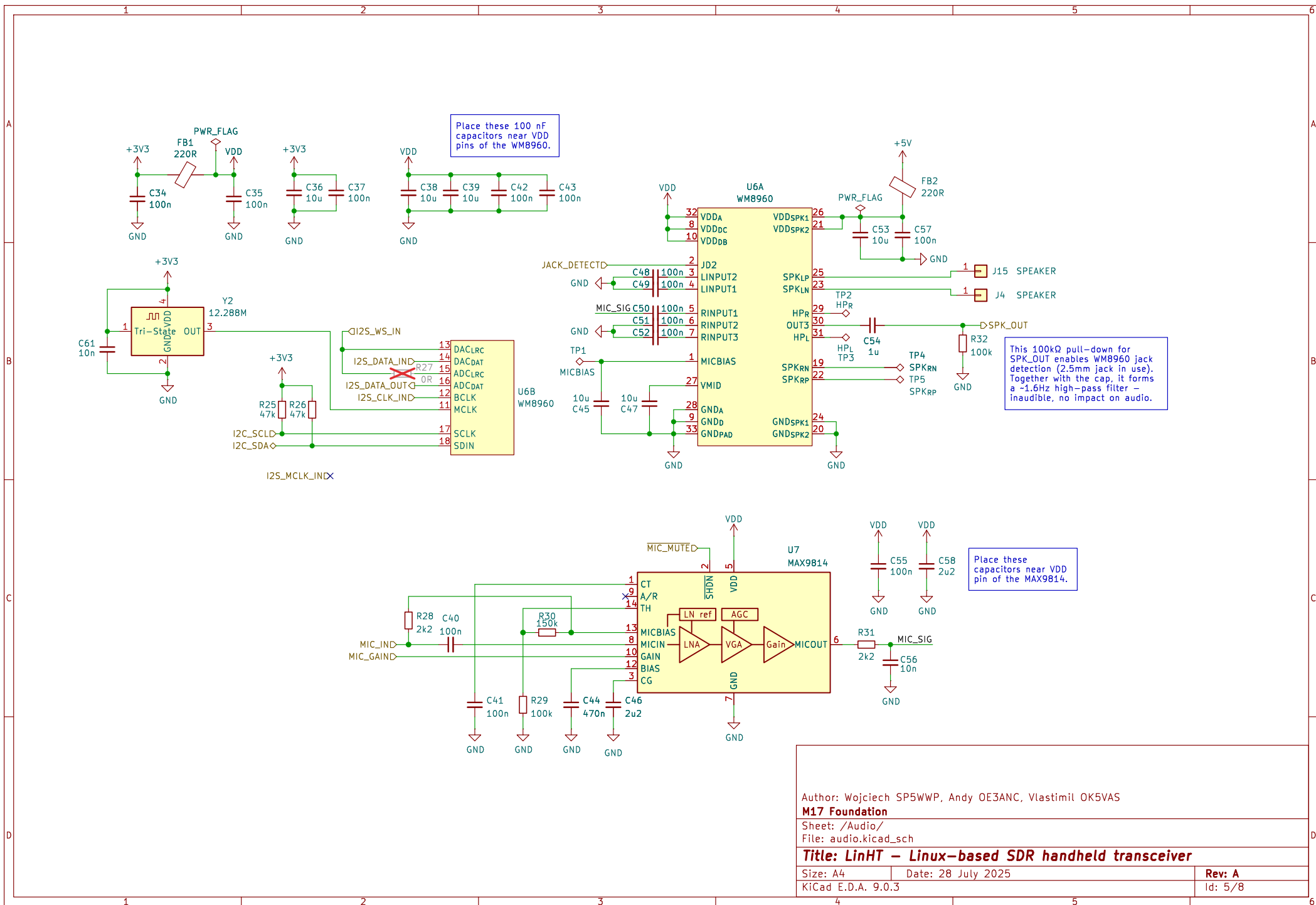
KiCad E.D.A. 9.0.3

Id: 6/8

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



Author: Wojciech SP5WWP, Andy OE3ANC, Vlastimil OK5VAS

M17 Foundation

Sheet: /Audio/

File: audio.kicad_sch

Title: LinHT – Linux-based SDR handheld transceiver

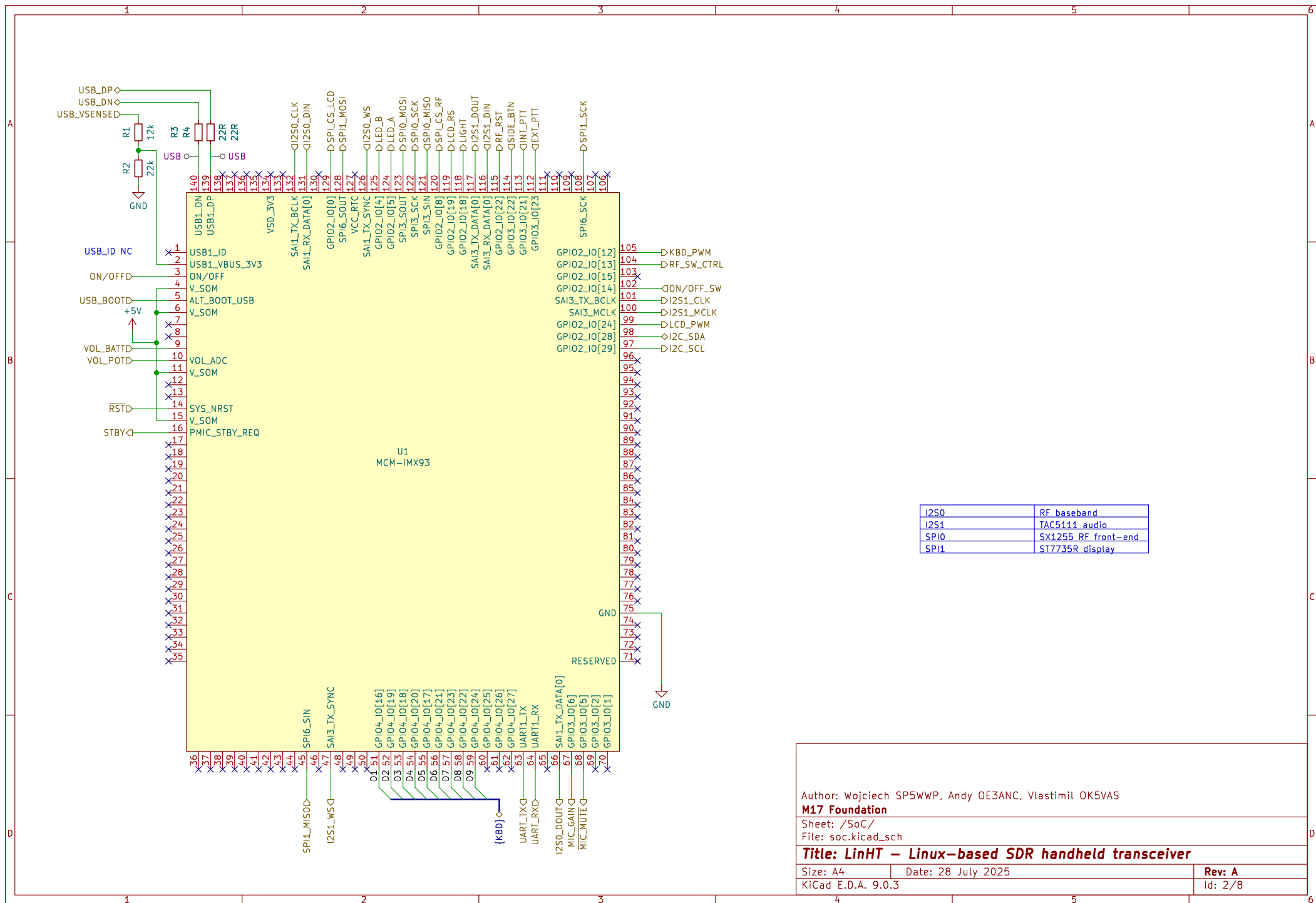
Size: A4

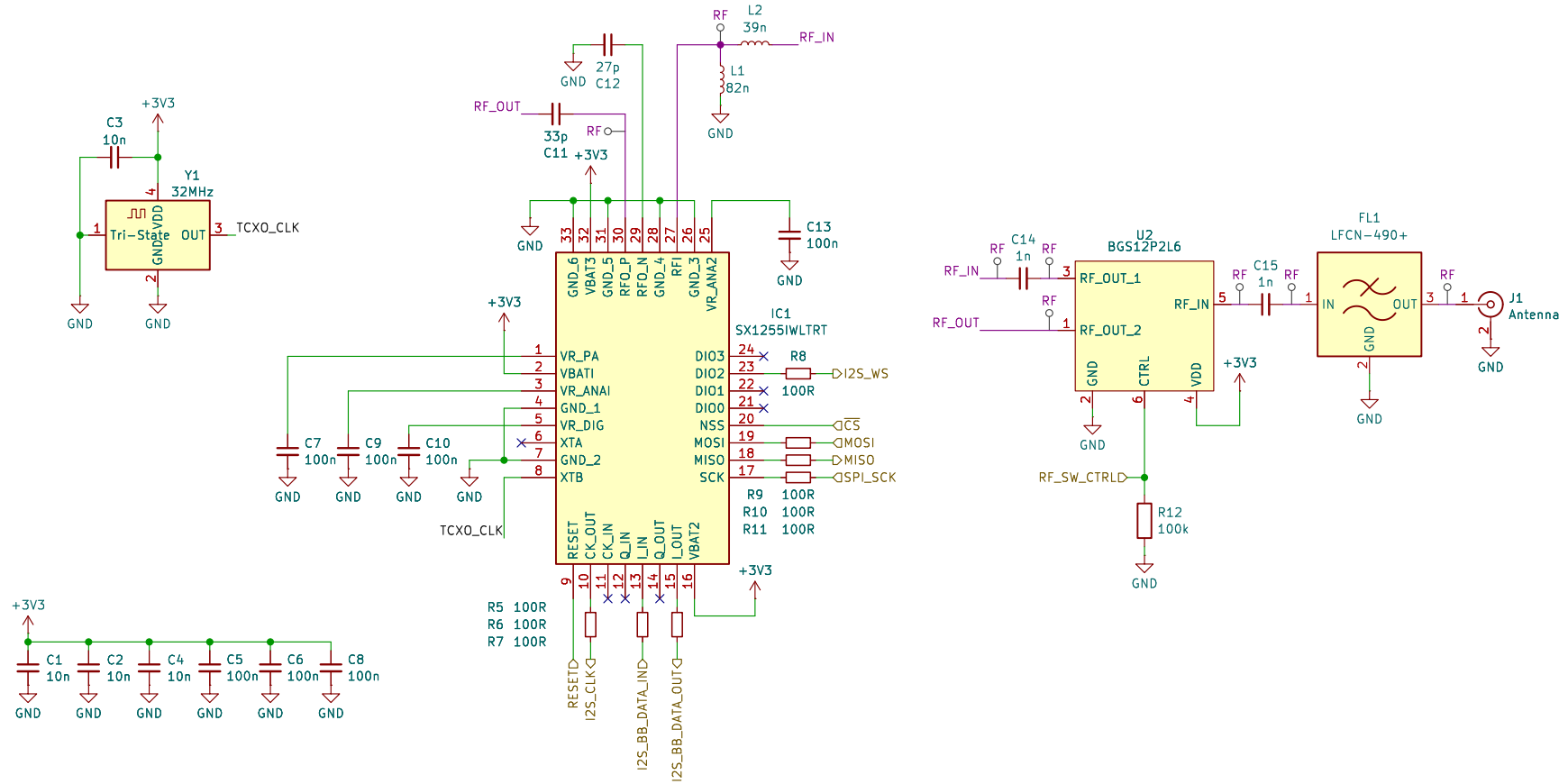
Date: 28 July 2025

KiCad E.D.A. 9.0.3

Rev: A

Id: 5/8





Author: Wojciech SP5WWP, Andy OE3ANC, Vlastimil OK5VAS

M17 Foundation

Sheet: /RF/

File: rf.kicad_sch

Title: LinHT – Linux-based SDR handheld transceiver

Size: A4

Date: 28 July 2025

Rev: A

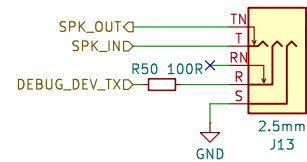
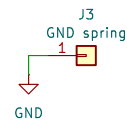
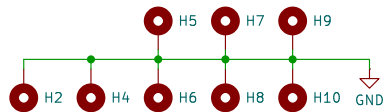
KiCad E.D.A. 9.0.3

Id: 3/8

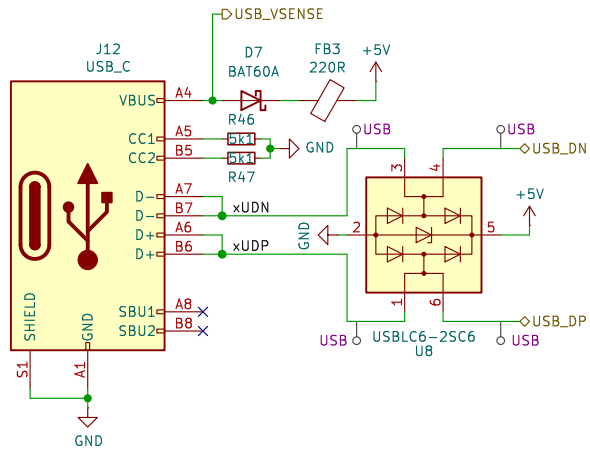
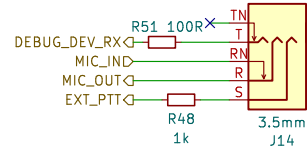
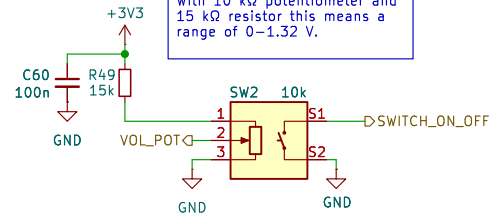
Original Retevis C62 PCB
has these mounting holes:
8× M2
2× M2.5

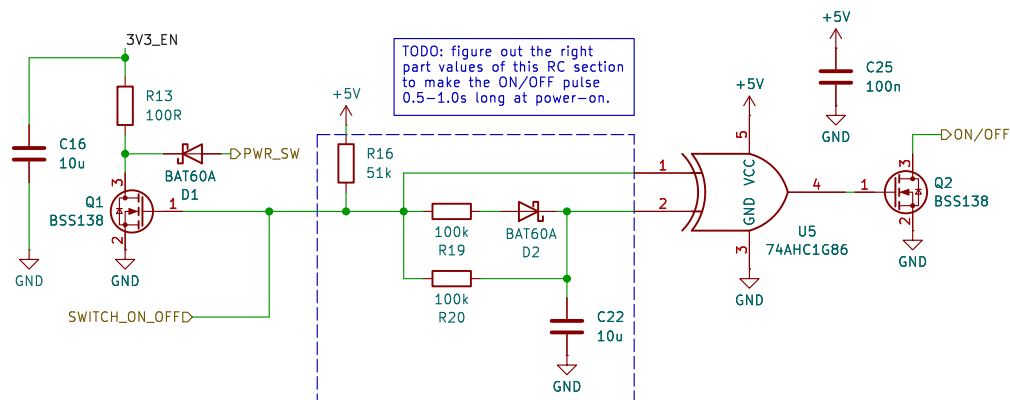
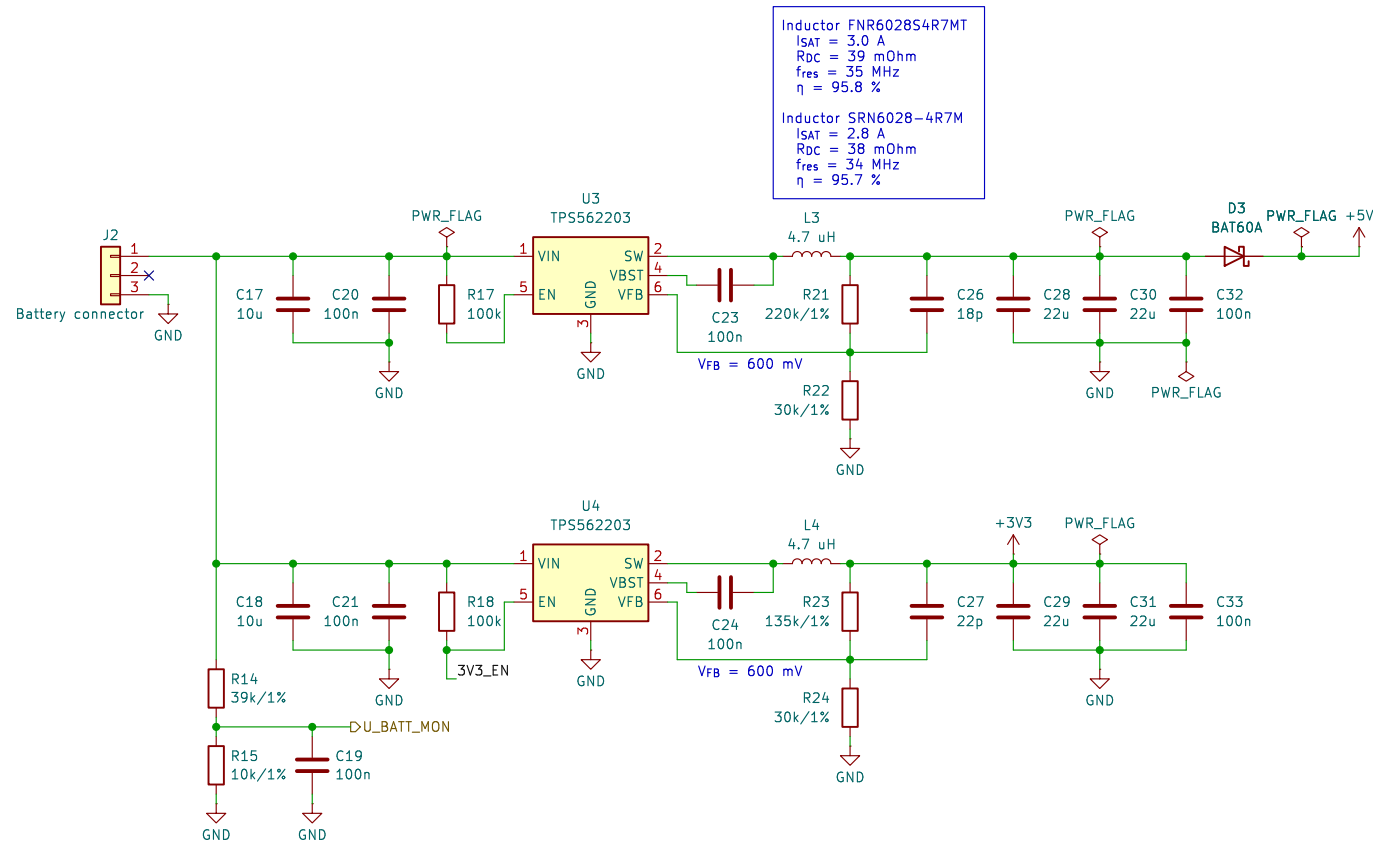
Our new PCB will have:
8× M2

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.





Author: Wojciech SP5WWP, Andy OE3ANC, Vlastimil OK5VAS

M17 Foundation

Sheet: /Power/

File: power.kicad_sch

Title: LinHT – Linux-based SDR handheld transceiver

Size: A4

Date: 28 July 2025

KiCad E.D.A. 9.0.3

Rev: A

Id: 4/8