

Thomas Montano

Sheet: /Microcontroller/  
File: microcontroller.kicad\_sch

**Title: Main Microcontroller**

Size: A4 Date: 2025-06-25

KiCad E.D.A. 9.0.2

Rev: 1

Id: 1/5

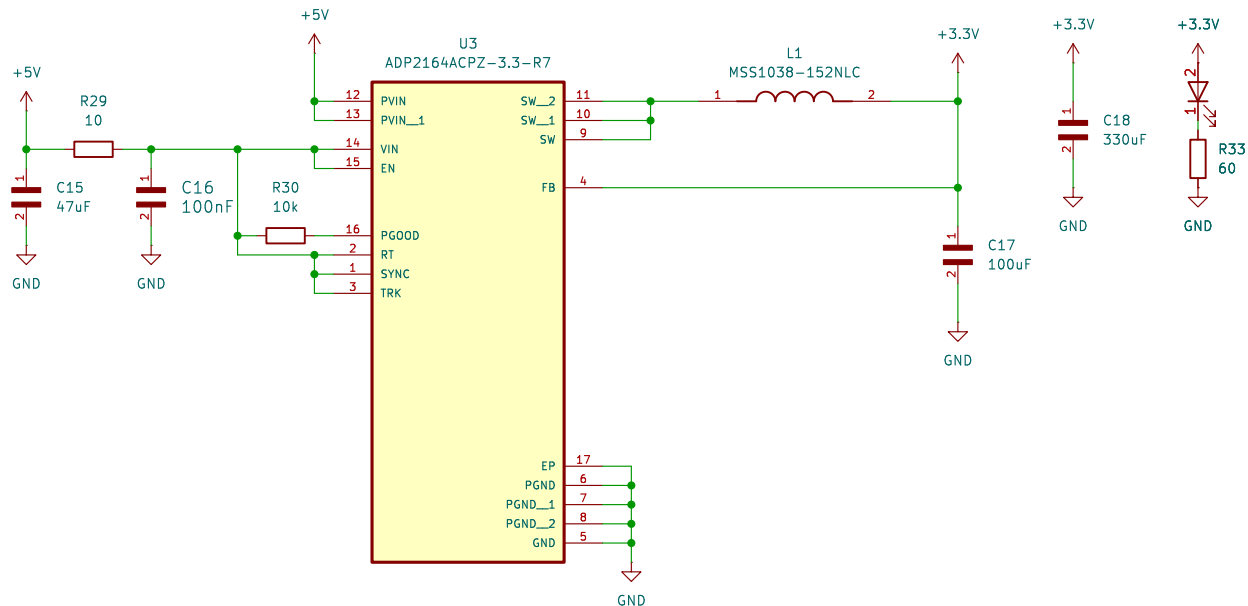
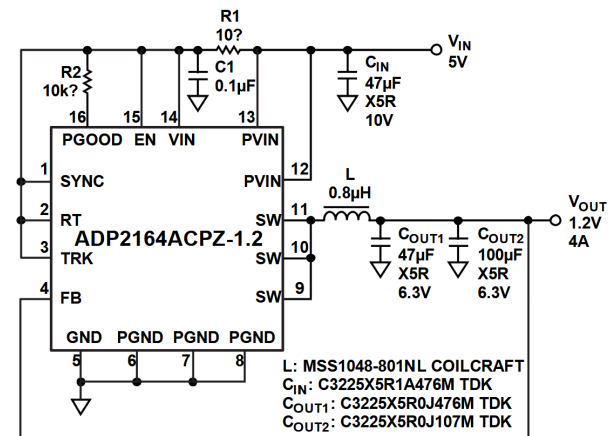
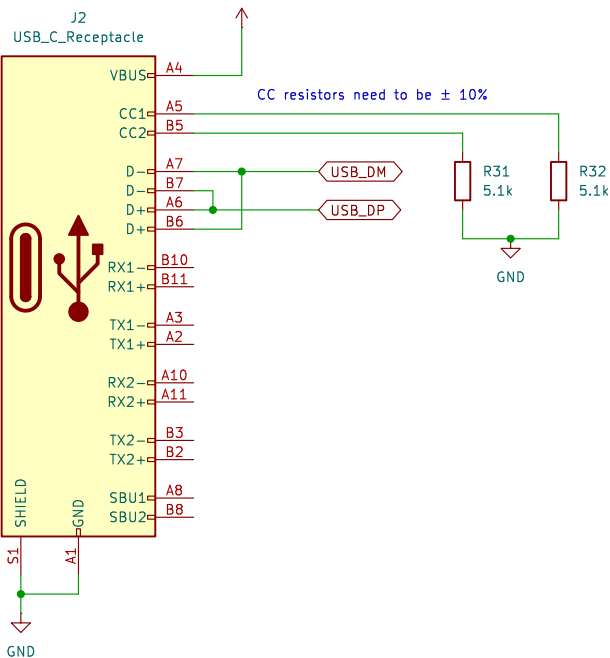


Table 6. Recommended L and C<sub>OUT</sub> Values at f<sub>s</sub> = 600 kHz

V <sub>IN</sub> (V)	V <sub>OUT</sub> (V)	L (μH)	C <sub>OUT</sub> (μF)
3.3	1.0	1	100 + 100
3.3	1.2	1	100 + 100
3.3	1.5	1	100 + 47
3.3	1.8	1	100 + 47
3.3	2.5	1	100
5	1.0	1	100 + 100
5	1.2	1.5	100 + 100
5	1.5	1.5	100 + 47
5	1.8	1.5	100 + 47
5	2.5	1.5	100
5	3.3	1.5	100



Thomas Montano

Sheet: /3V3 Power/  
File: power.kicad\_sch

Title: 3.3V Power Block

Size: A4 Date: 2025-06-22

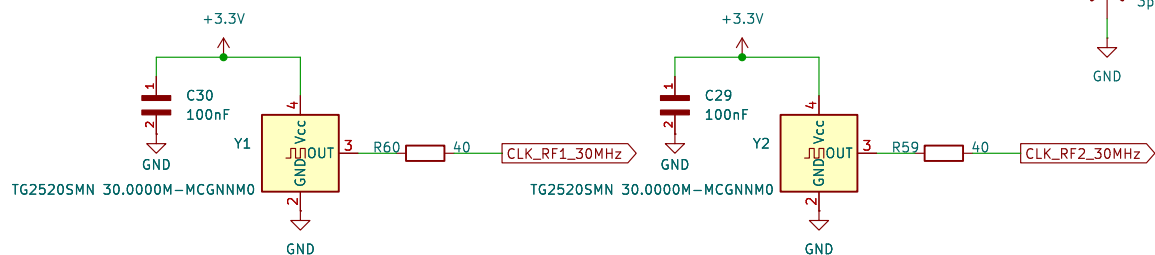
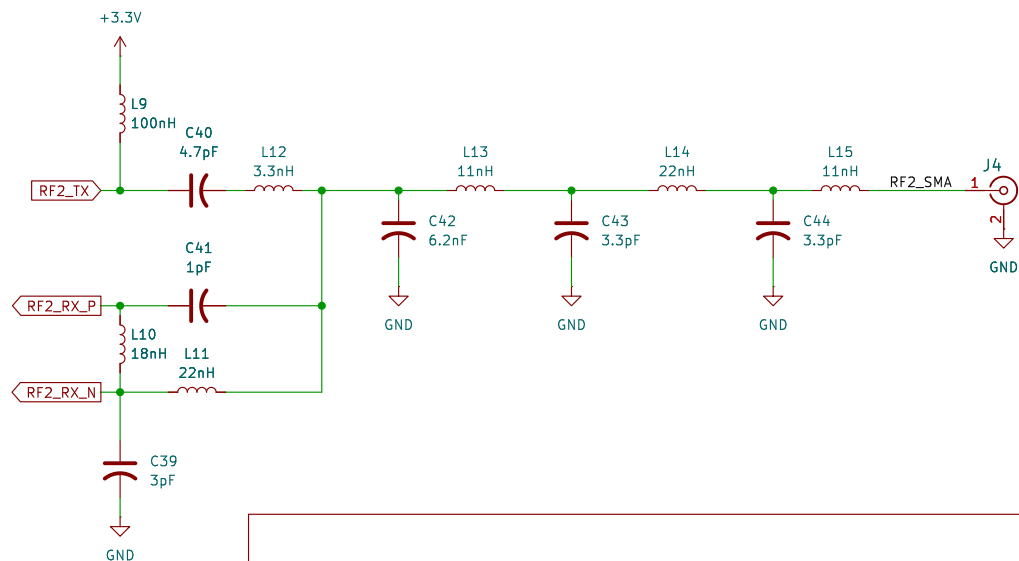
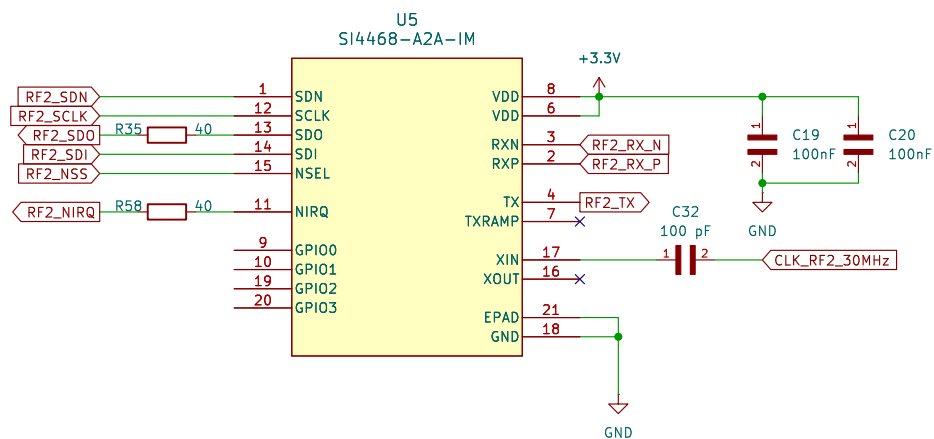
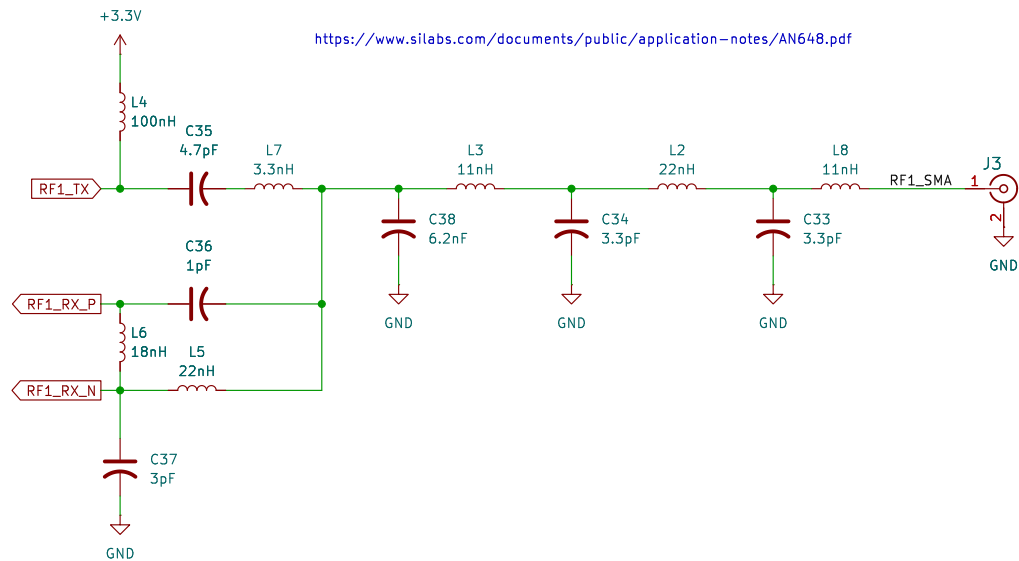
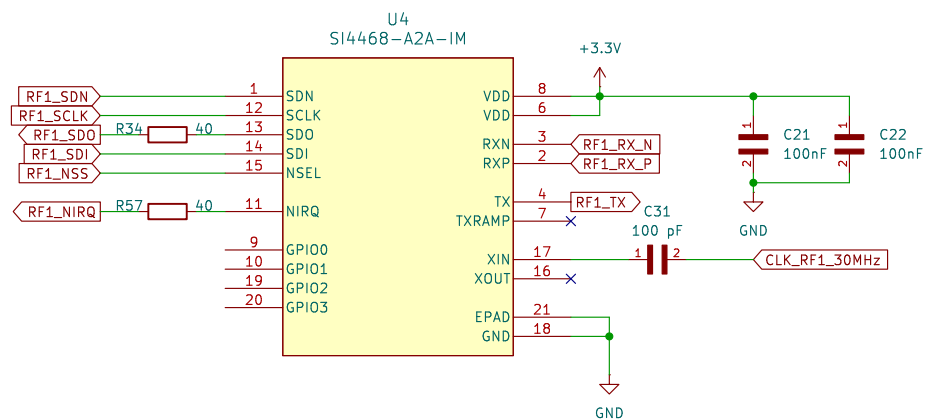
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Rev: 1

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# Matching network designed for 915 MHz

<https://www.silabs.com/documents/public/application-notes/AN648.pdf>



Thomas Montano

Sheet: /RF Chain/

File: rf\_chain.kicad\_sch

Title: RF Modems and Front End

Size: A4

Date: 2025-06-25

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