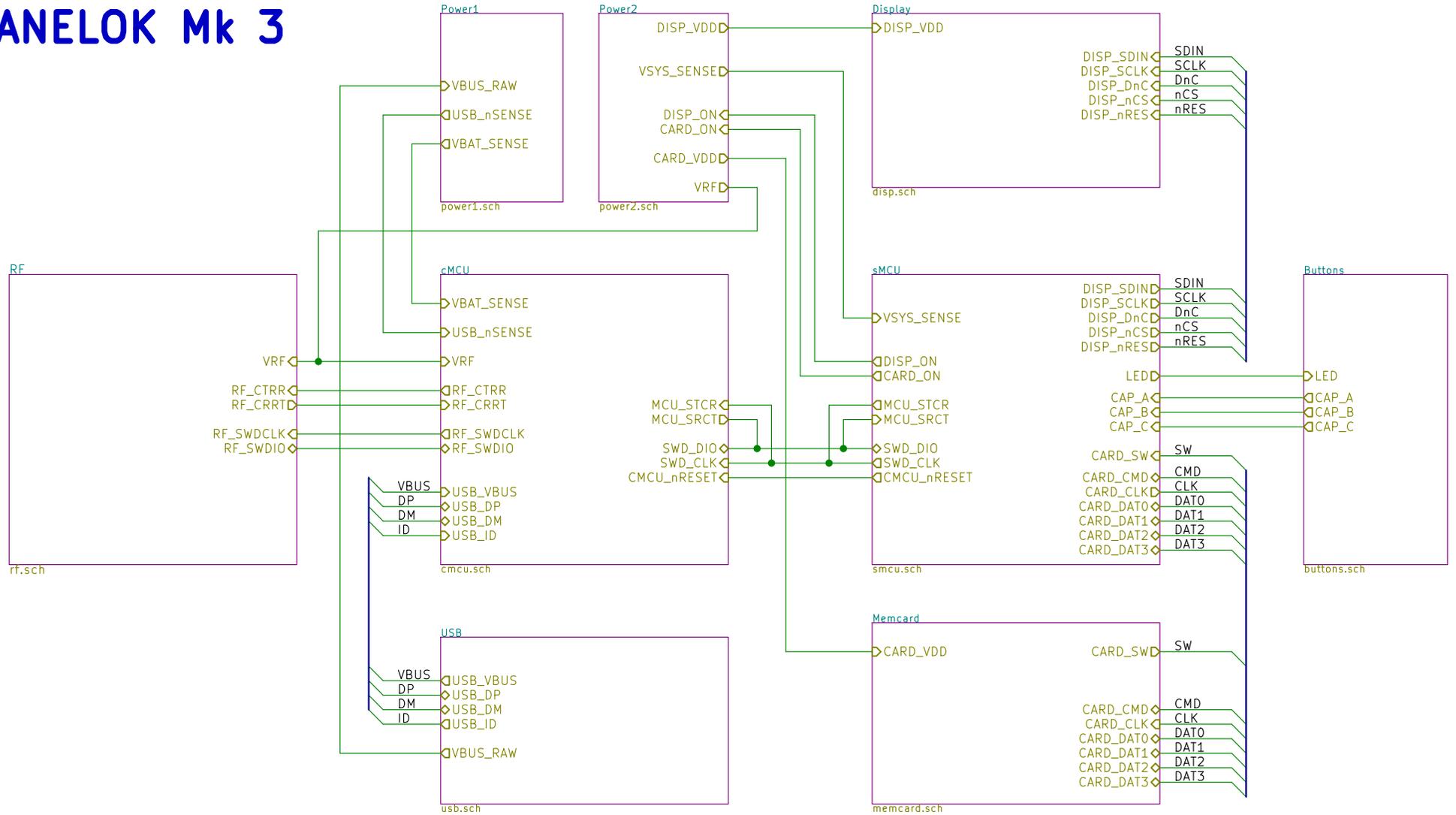


ANELOK Mk 3



Capacitor selection

Unless indicated otherwise, all capacitors should be X5R or X6S, or better (X7R, NP0, etc.)

Y5V is cheaper but very sensitive to temperature, ages rapidly, etc.

If no voltage is specified, use ≥ 6.3 V

Werner Almesberger

Sheet: /

File: anelok.sch

Title: Anelok Password Safe

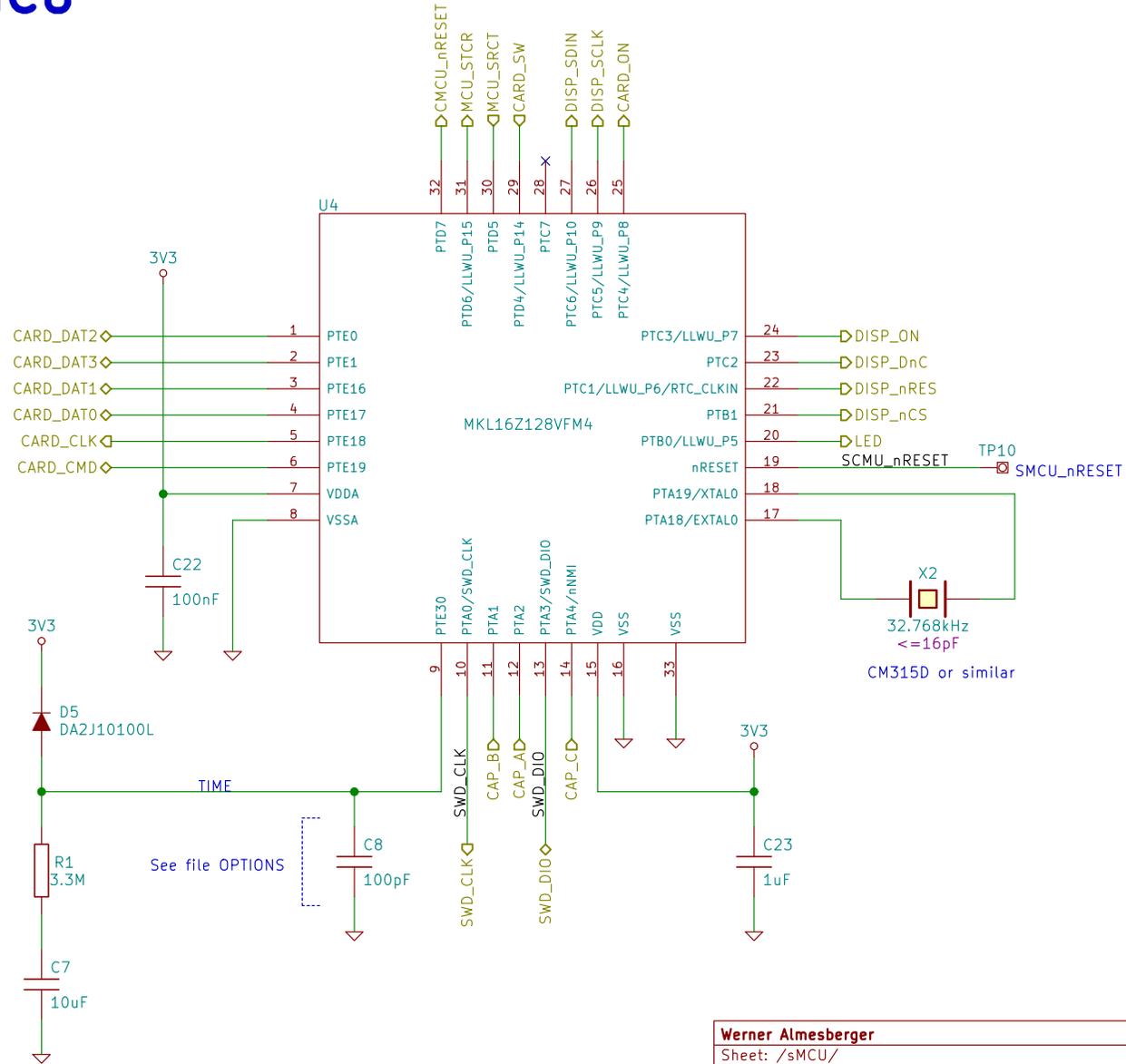
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Rev:

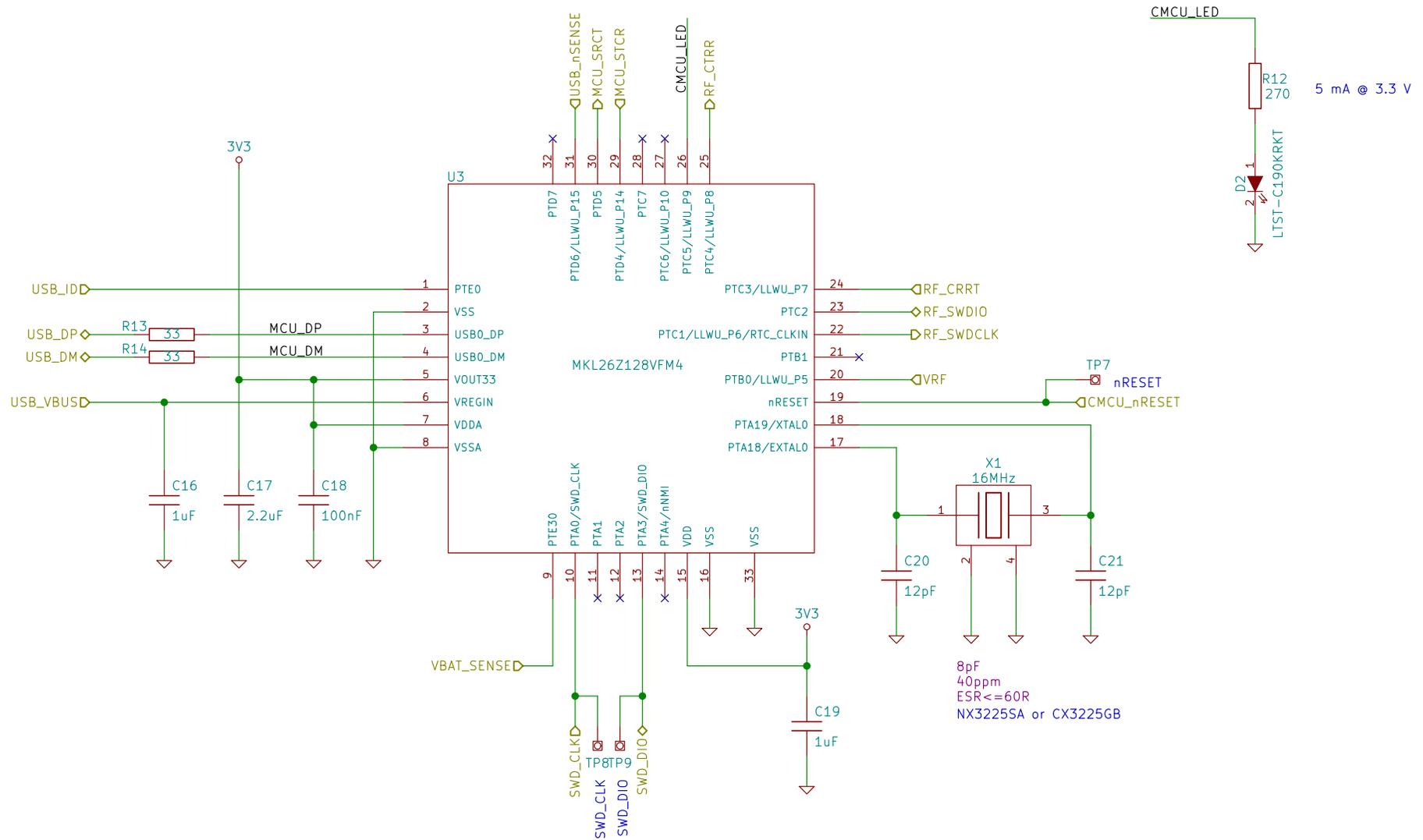
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Secure MCU



Werner Almesberger		
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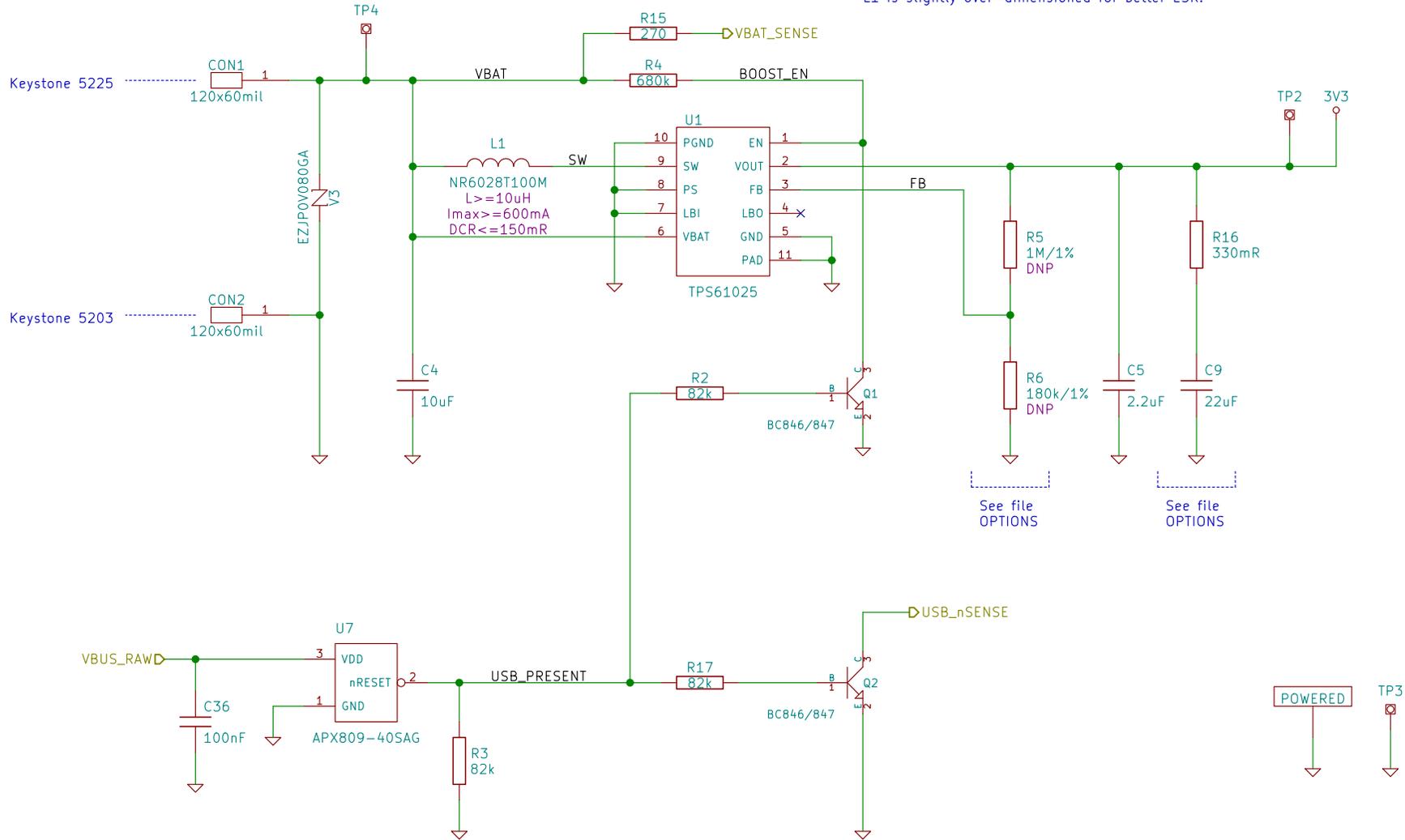
Communications MCU



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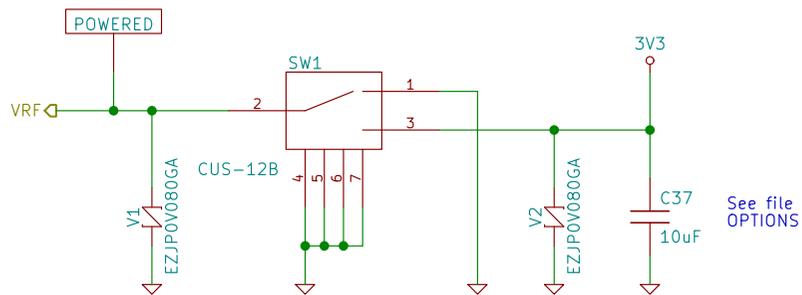
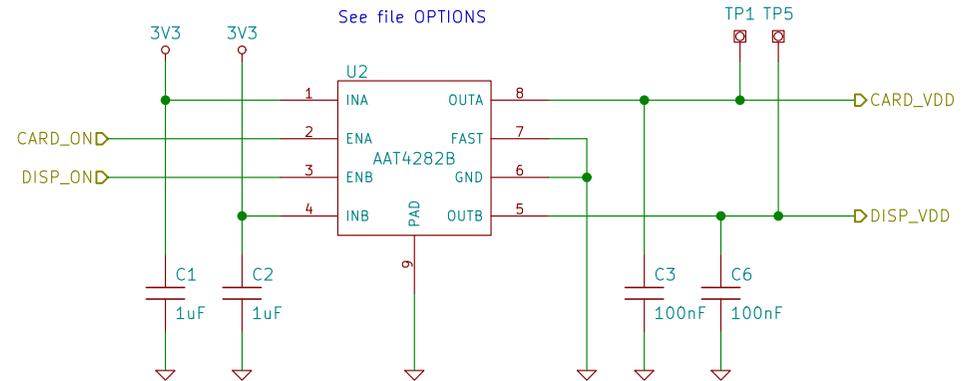
Power 1

Design for continuous output current of 120 mA.
L1 is slightly over-dimensioned for better ESR.



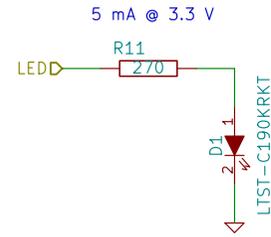
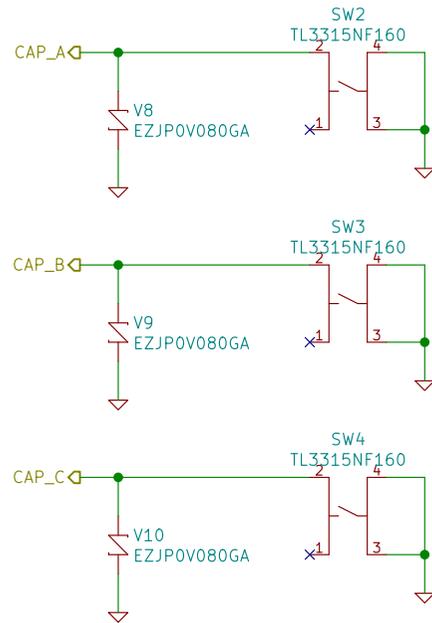
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Power 2



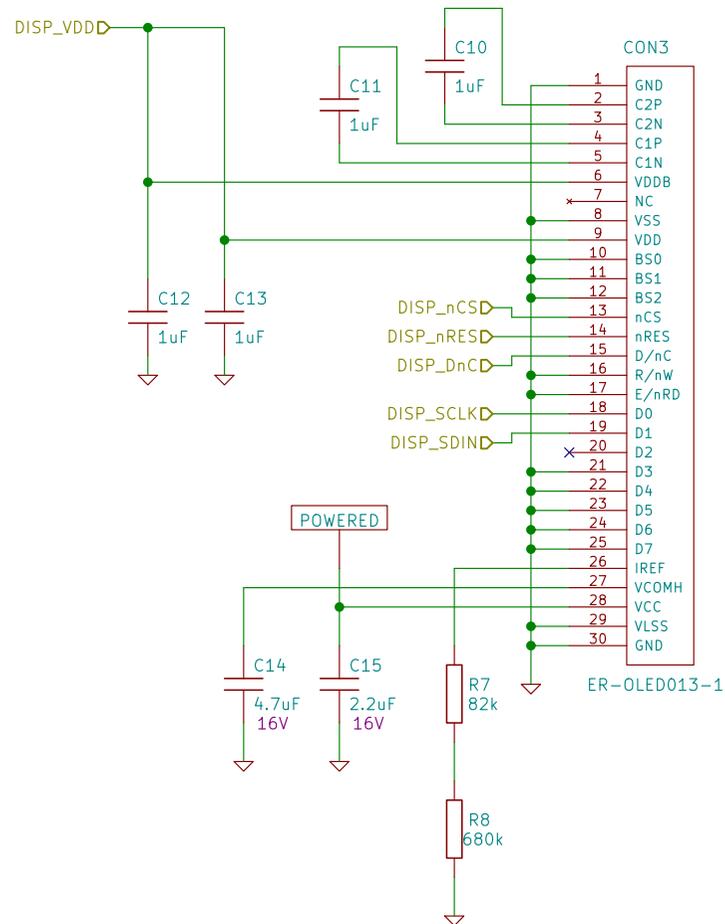
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Rev:	

Buttons



Werner Almesberger		
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KiCad E.D.A. eeschema 0.201603171417+662443ubuntu16.04.1-product Id: 9/10		

Display



Werner Almesberger

Sheet: /Display/

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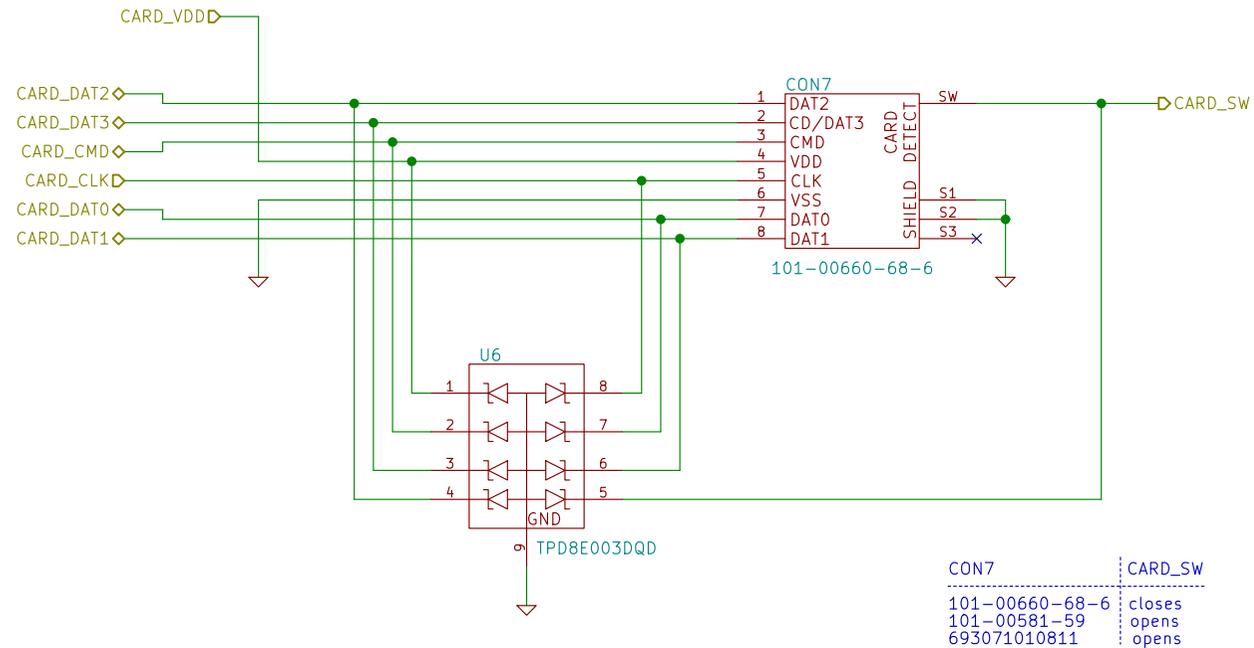
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Rev:

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Memory card



Werner Almesberger

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Title: Anelok Password Safe

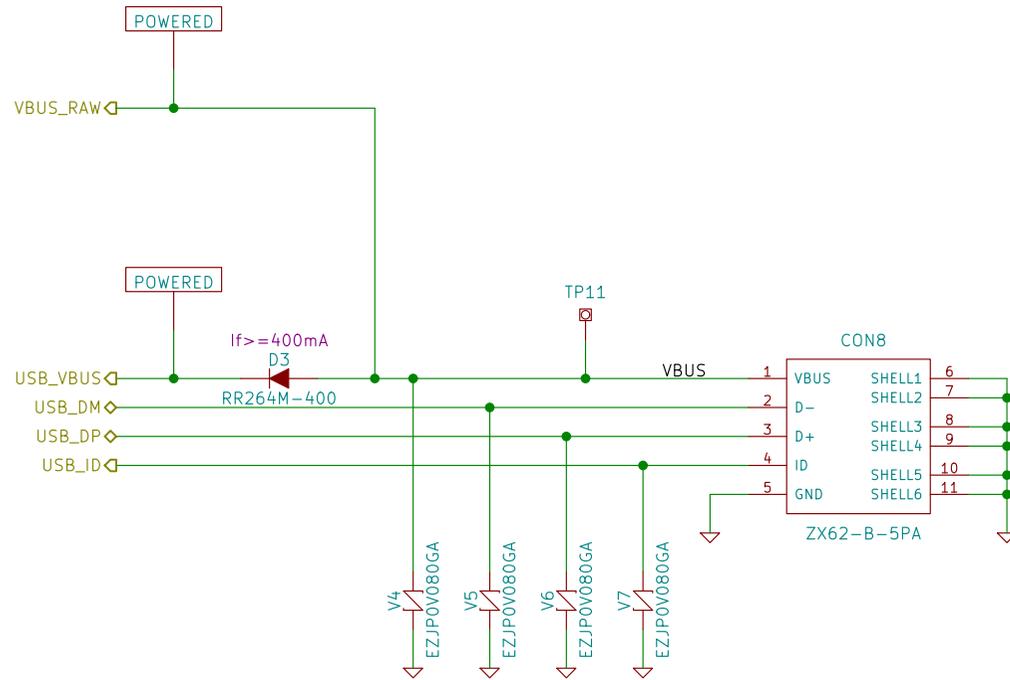
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Rev:

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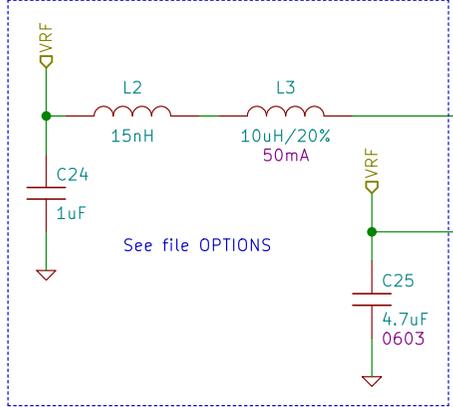
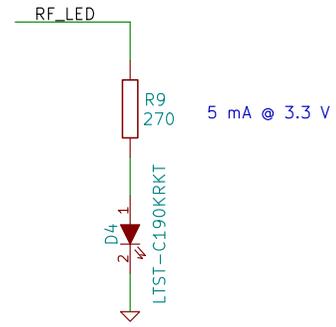
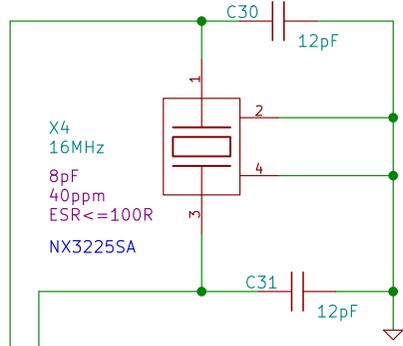
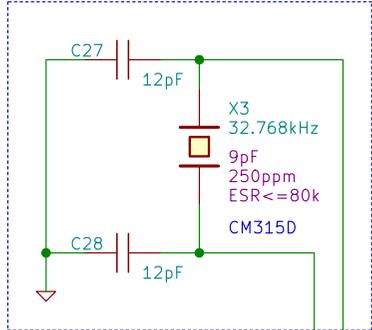
USB



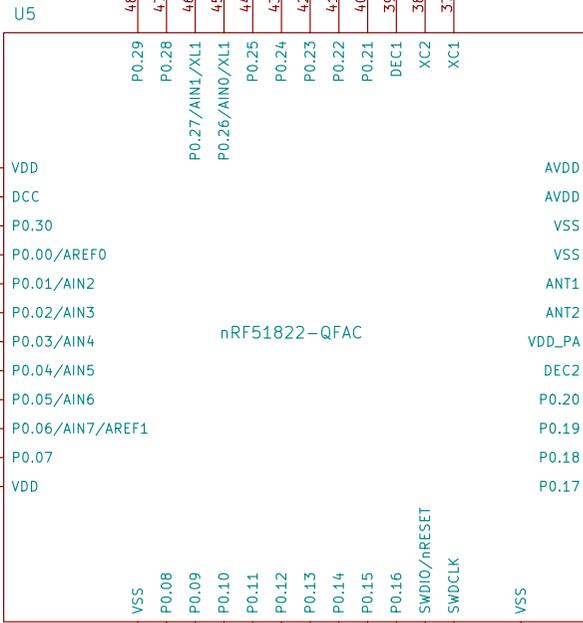
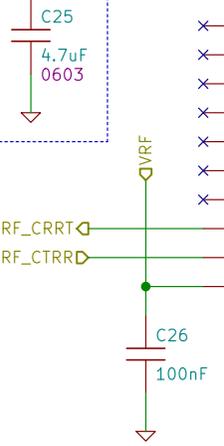
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RF

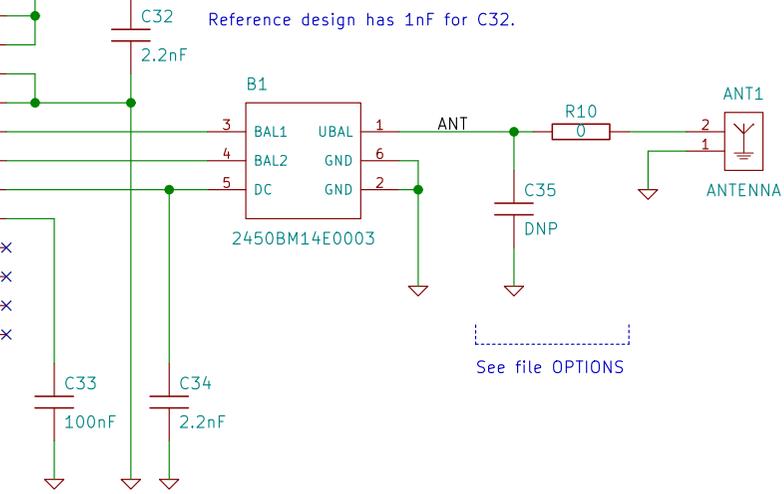
See file OPTIONS



See file OPTIONS



Reference design has 1nF for C32.



Reference design has 47nF for C30.

See file OPTIONS

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File: rf.sch		
Title: Anelok Password Safe		
Size: A4	Date: 2016-02-05	Rev:
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