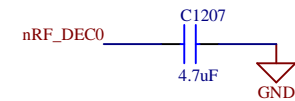
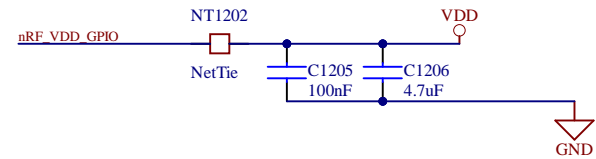
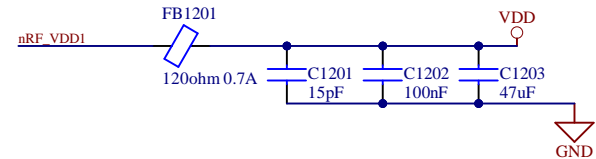
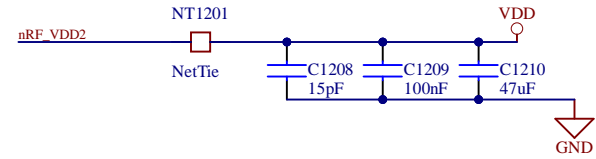
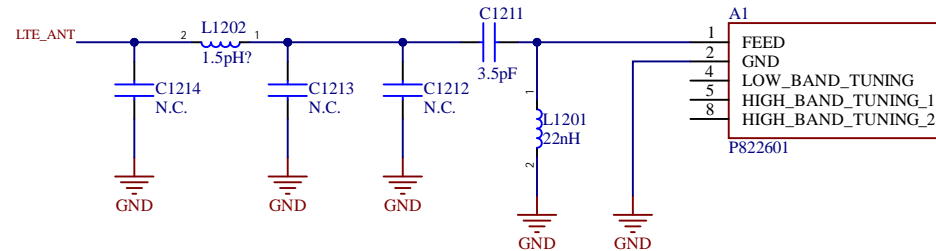


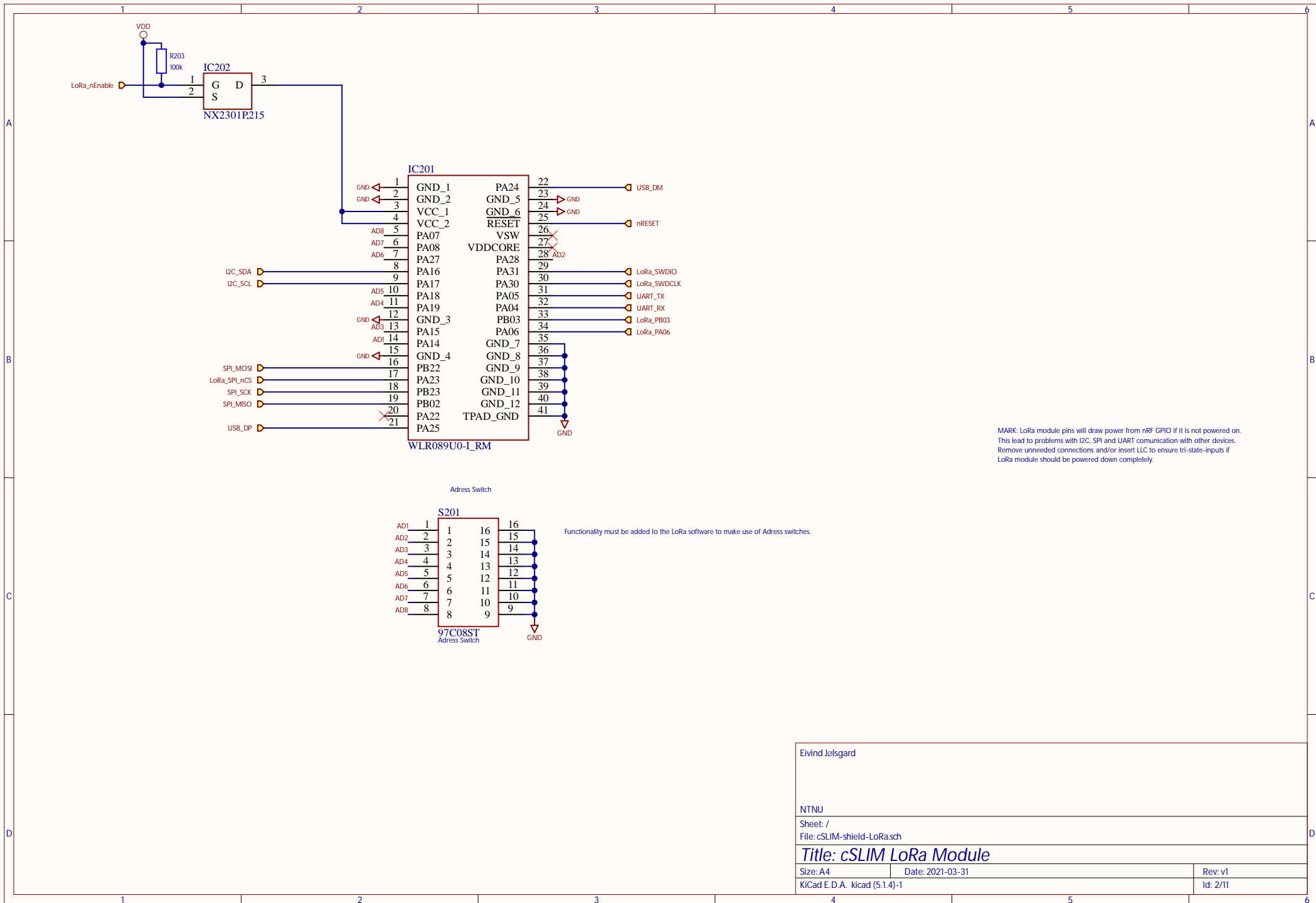
Using net-tie to connect two different nets without warnings.
Tie VDD_GPIO and VDD together, as long as they power up at the same time, it is okay



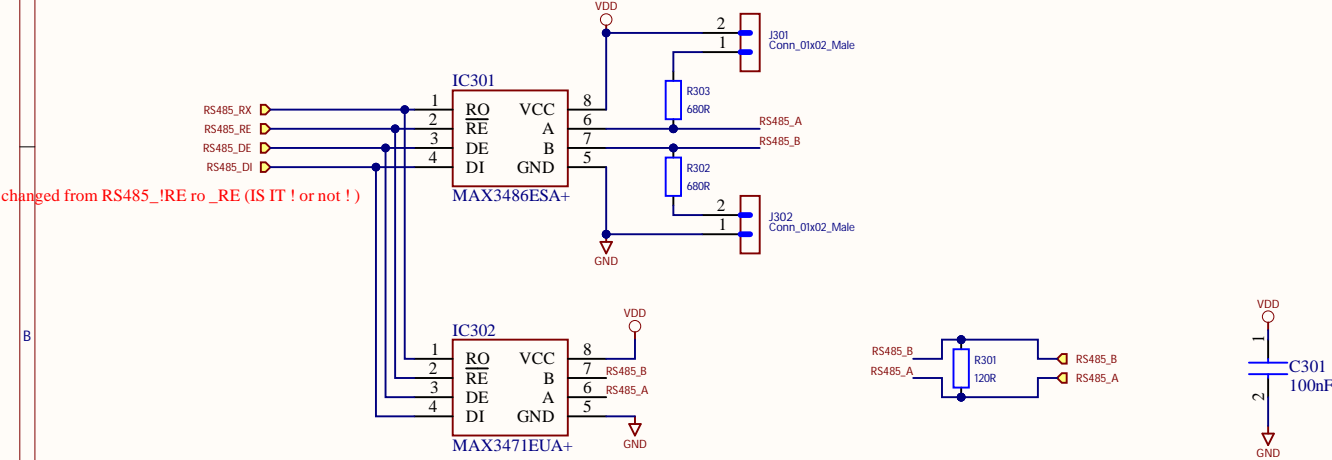
Antenna matching



Title		
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A3		
Date:	10.29.2021	Sheet of
File:	C:\Users\...\cSLIM_nRF9160.SchDoc	Drawn By:



Only mount either MAX3486 or MAX3471,
dependent on baudrate of TBR.
Default baudrate of TBR-700 is 115.200kbps.
MAX3471 is more power efficient, however
it has a maximum baud of 64kbps.



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Sheet: /
File: cSLIM_RS485.sch

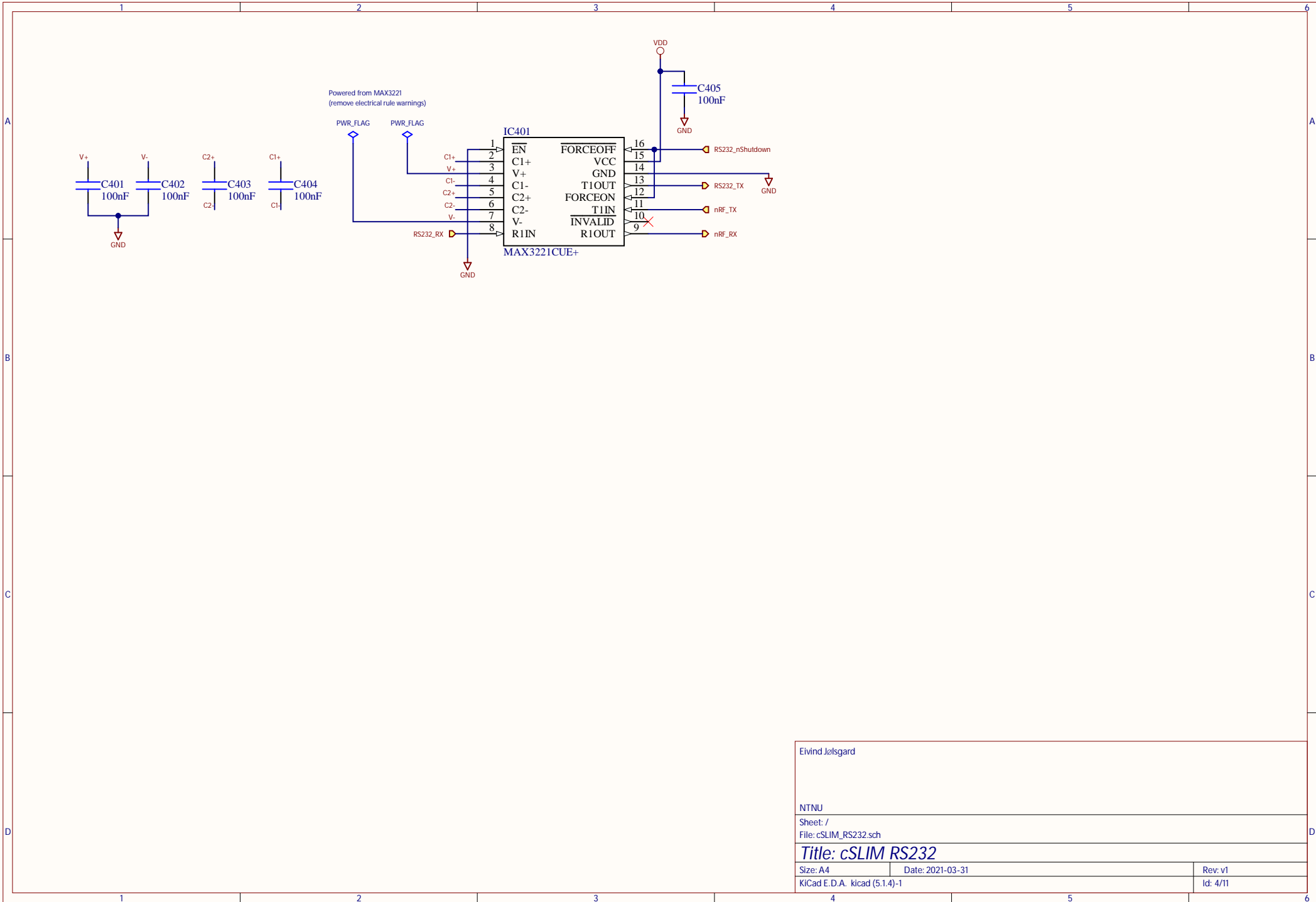
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Rev: v1.1

Id: 3/11



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Sheet: /

File: cSLIM_RS232.sch

Title: cSLIM RS232

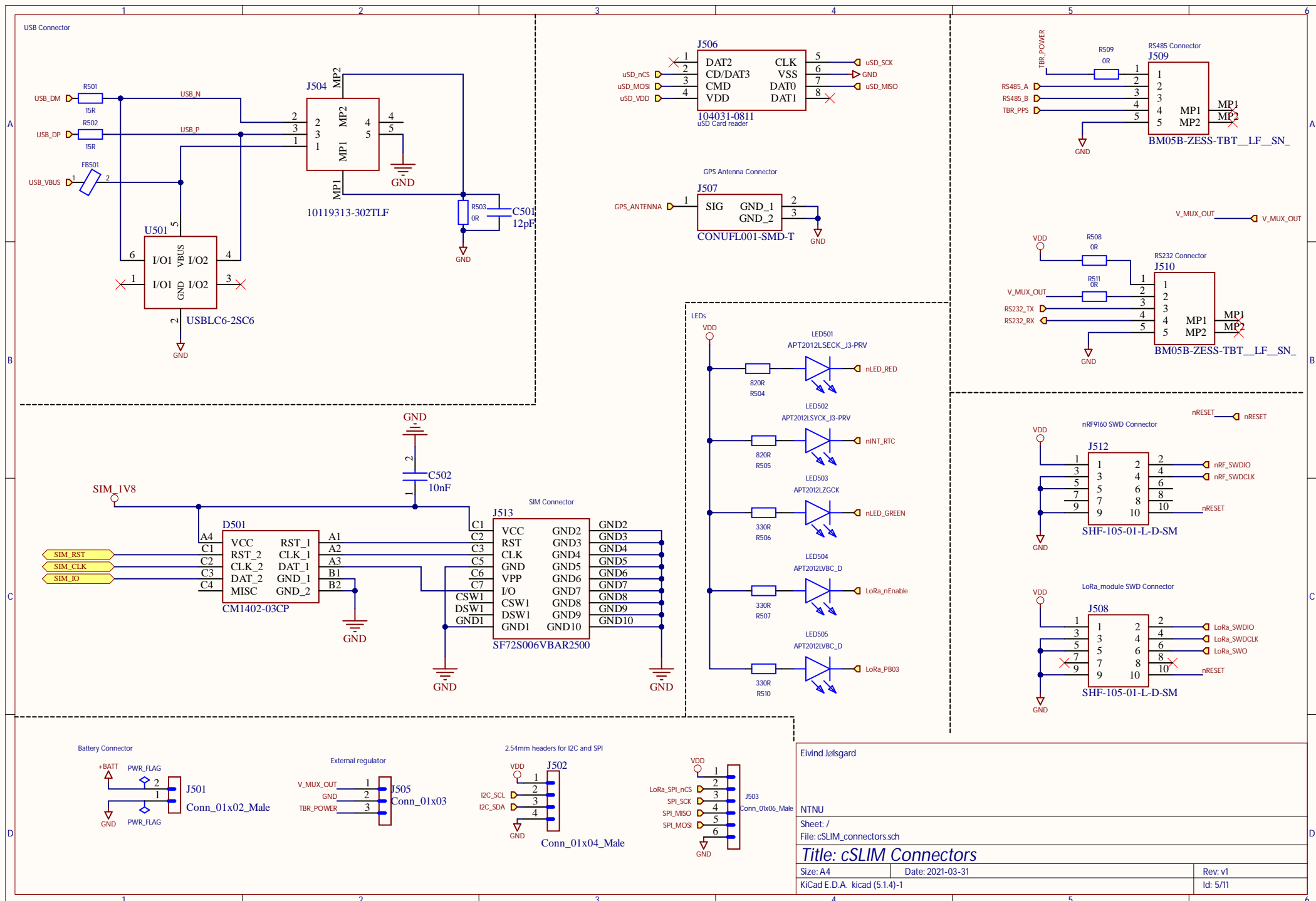
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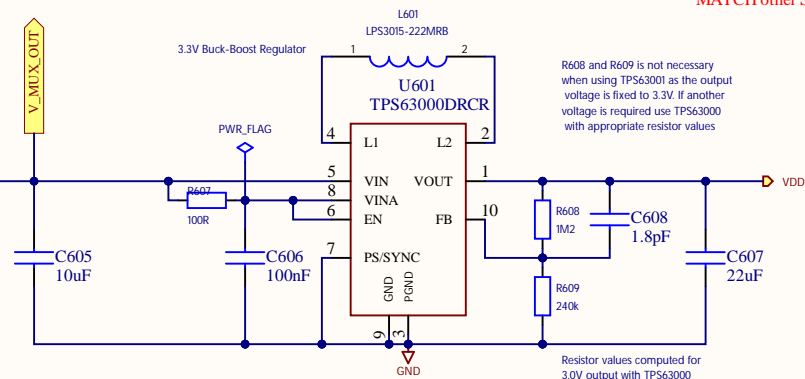
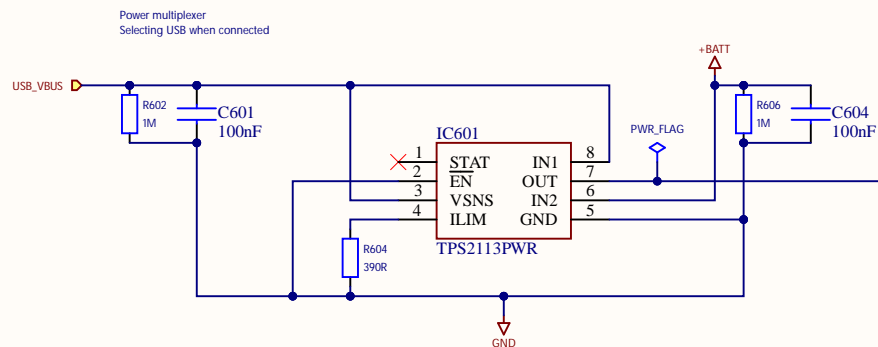
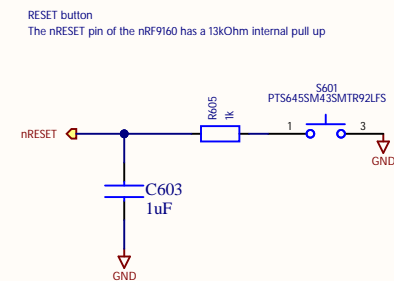
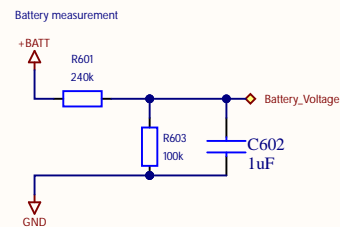
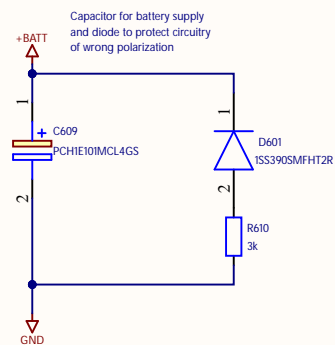
Date: 2021-03-31

Rev: v1

KiCad E.D.A. kicad (5.1.4)-1

Id: 4/11





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File: cSLIM_powersch

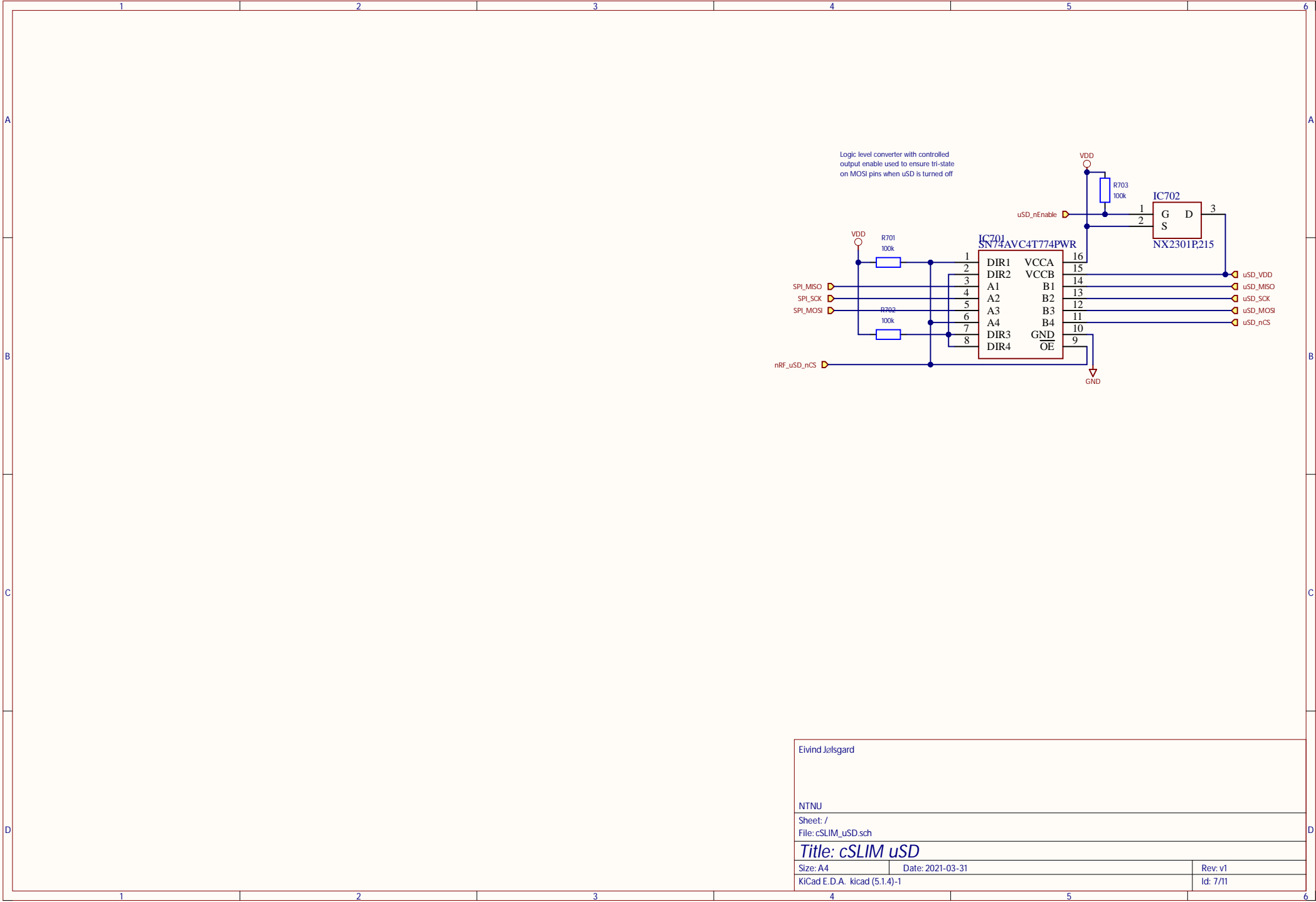
Title: cSLIM Power

Size: A4 Date: 2021-03-31

KiCad E.D.A. kicad (5.1.4)-1

Rev: v1

Id: 6/11



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Sheet: /
File: cSLIM_uSD.sch

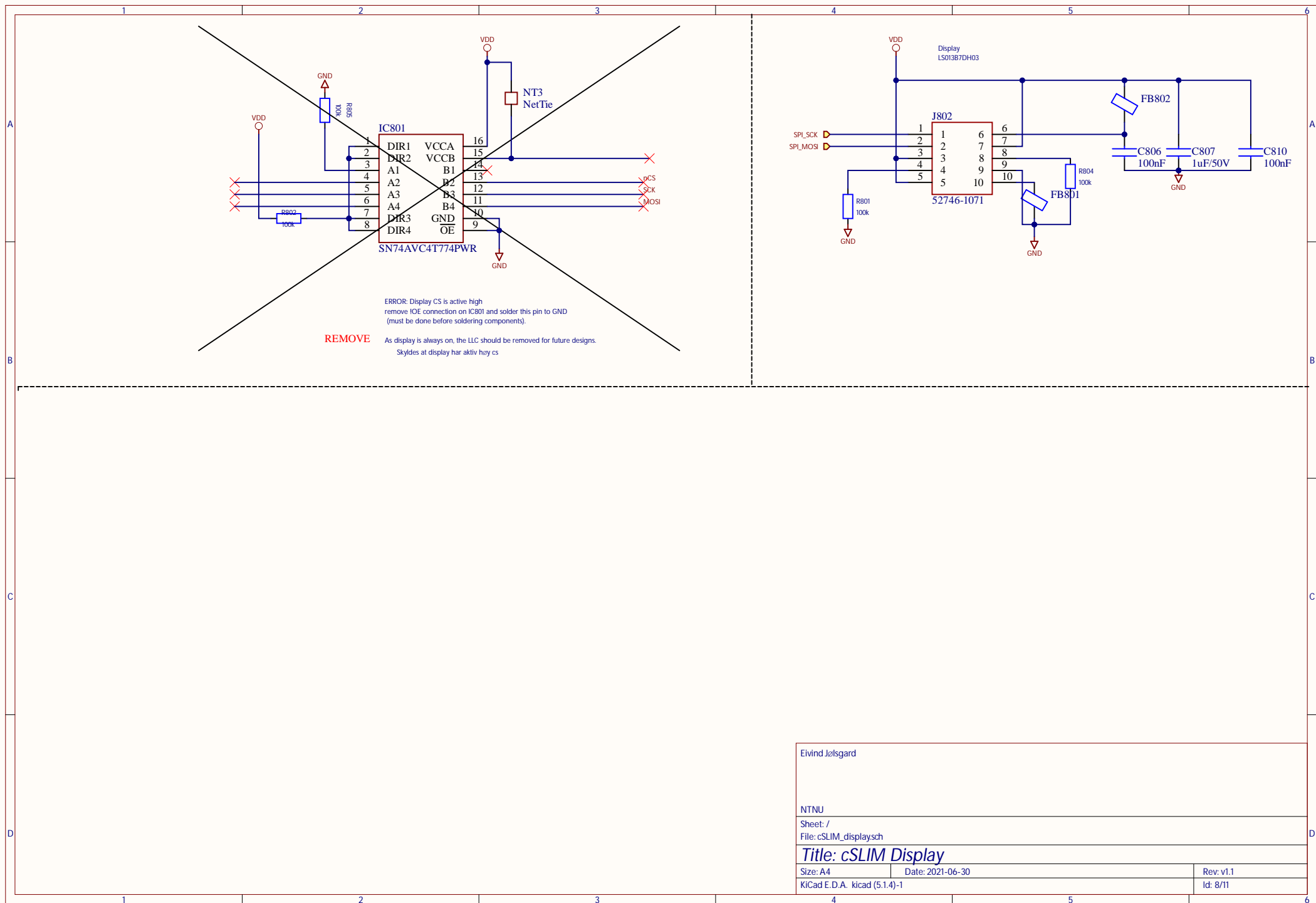
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Size: A4 Date: 2021-03-31

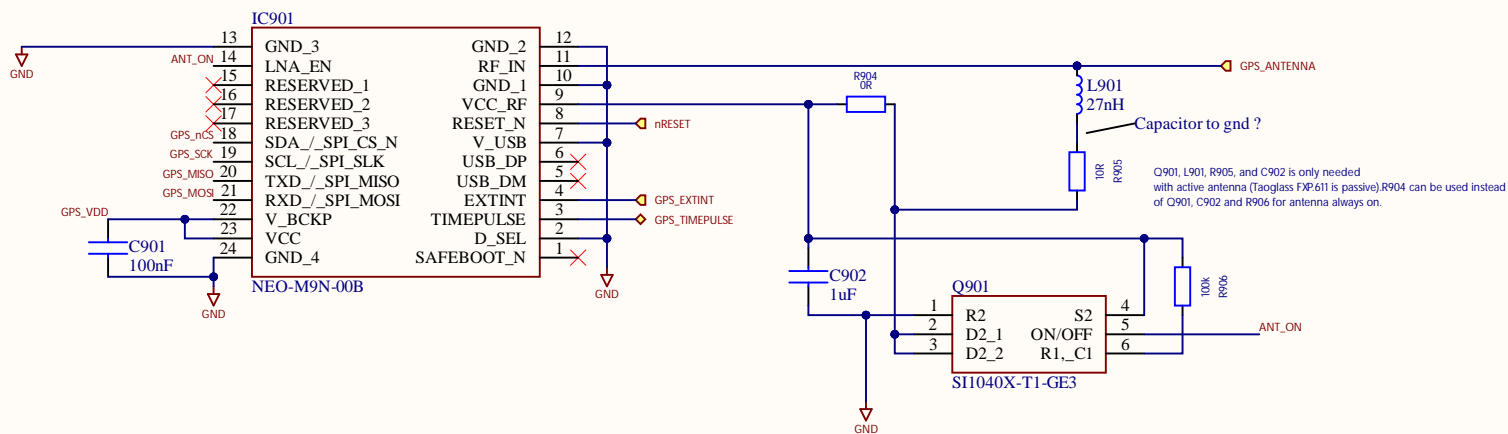
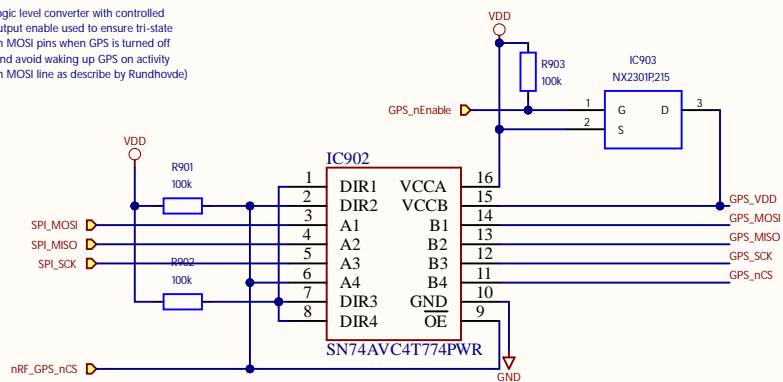
KiCad E.D.A. kicad (5.1.4)-1

Rev: v1

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Logic level converter with controlled output enable used to ensure tri-state on MOSI pins when GPS is turned off (and avoid waking up GPS on activity on MOSI line as describe by Rundhovde)



Q901, L901, R905, and C902 is only needed with active antenna (Taoglass FXP-611 is passive). R904 can be used instead of Q901, C902 and R906 for antenna always on.

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Sheet: /
File: cSLIM_GPS.sch

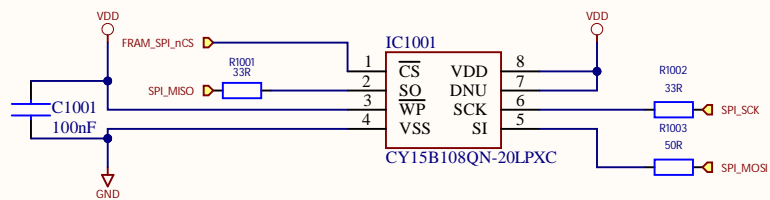
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Size: A4 Date: 2021-03-31

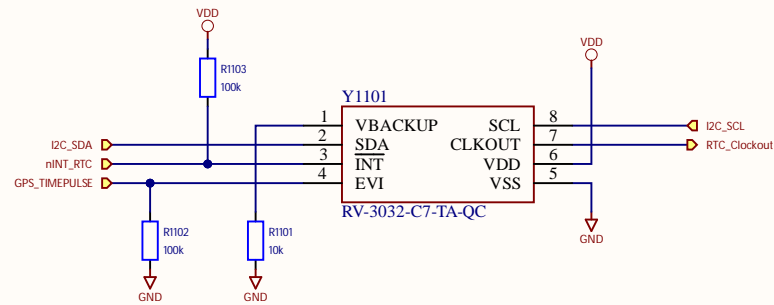
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Rev: v1

Id: 9/11



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Sheet: /		
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Size: A4	Date: 2021-03-31	Rev: v1
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