

Sheet: /
File: main.kicad_sch

Title:

Size: A4

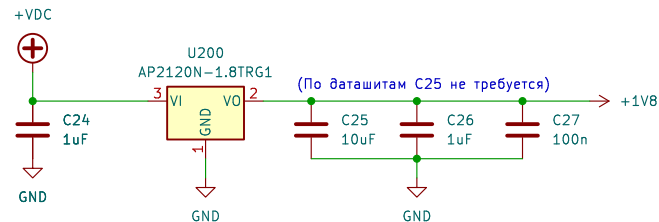
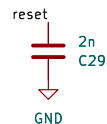
Date:

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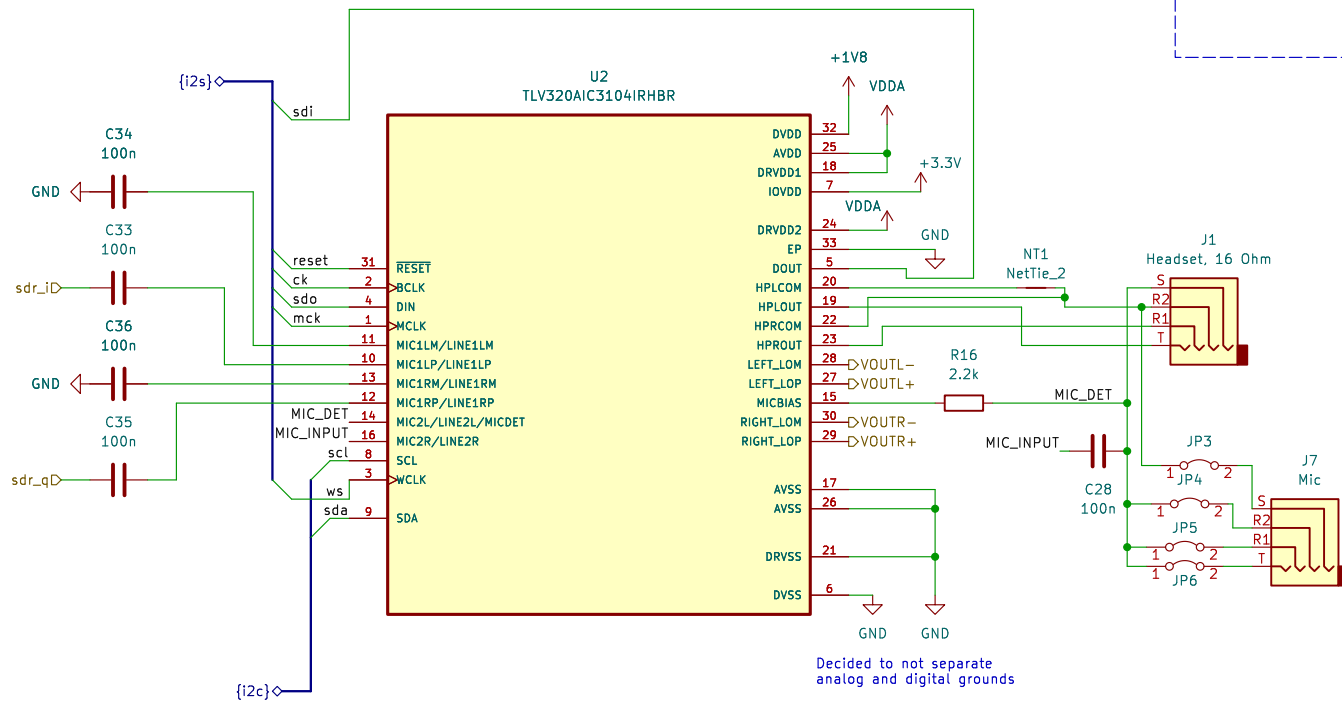
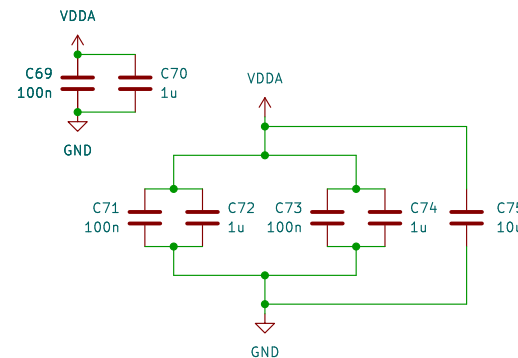
Rev:

Id: 1/14

In cases where the ESD events generate a device reset, it is recommended to add at least a 1-nF capacitor connected between the RESET pin and DVSS. This capacitor avoids ESD events that could place the codec in default state.



Разводить в соответствии с рекомендациями из даташита



Decided to not separate analog and digital grounds

Sheet: /Codec/
File: codec.kicad_sch

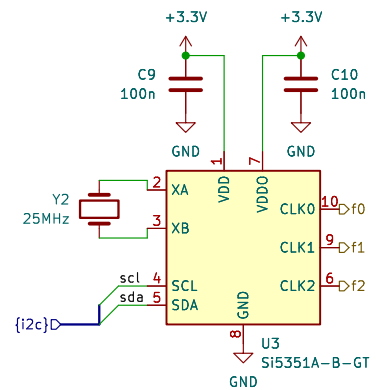
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Size: A4
KiCad E.D.A. kicad 7.0.9+dfsg-1

Date:

Rev:

Id: 2/14



Sheet: /Programmable Clock Generator/
File: clock_gen.kicad_sch

Title:

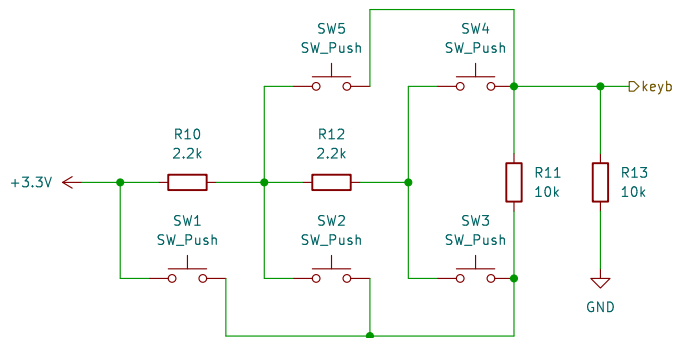
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Date:

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Rev:

Id: 3/14



Sheet: /Keyboard/
File: keyboard.kicad_sch

Title:

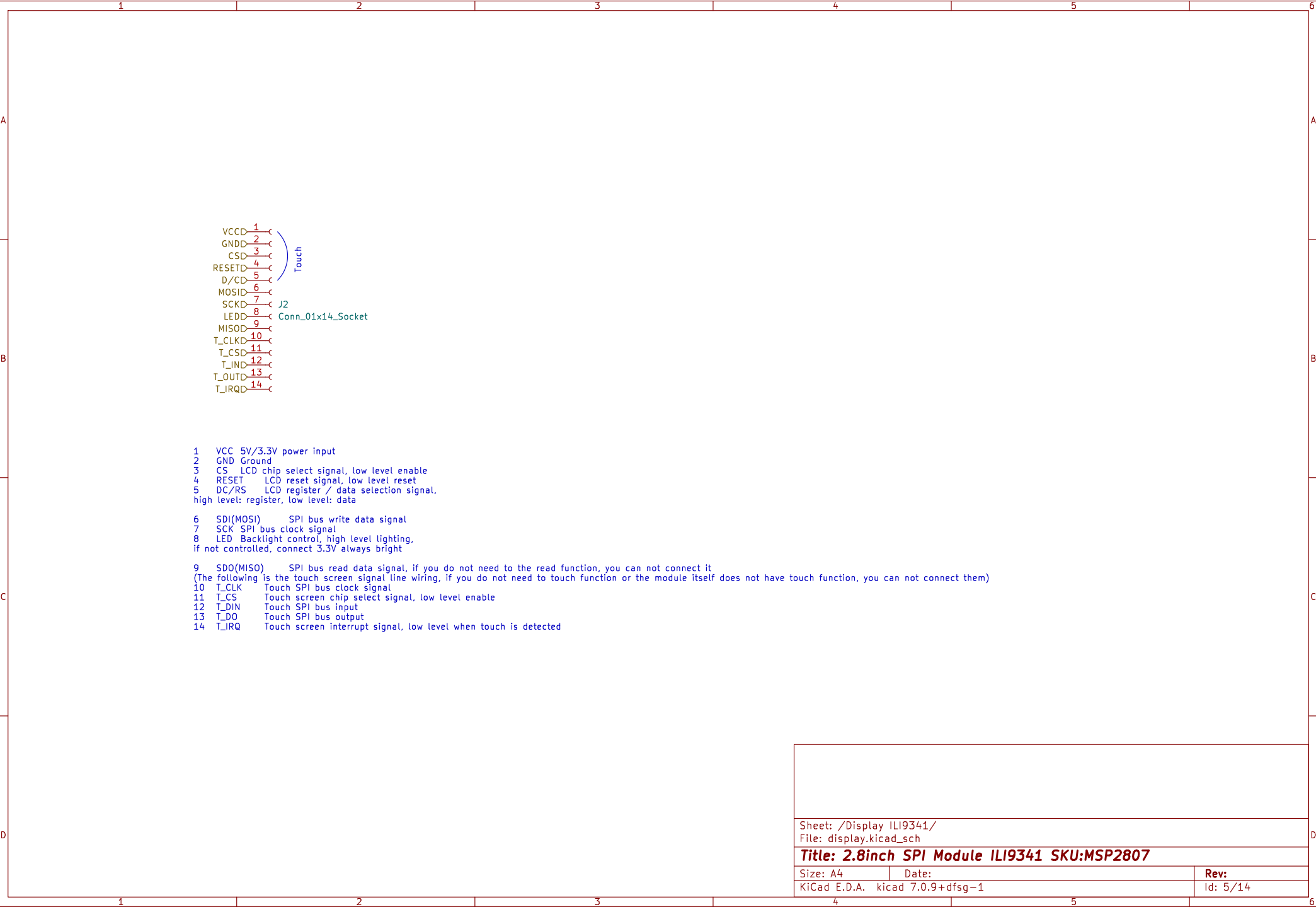
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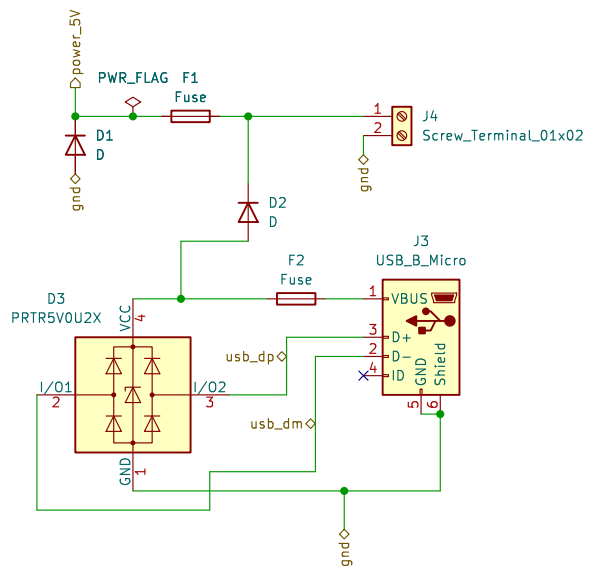
Date:

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Rev:

Id: 4/14





Sheet: /Power supply/
File: power.kicad_sch

Title:

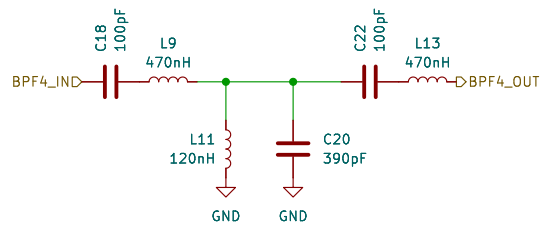
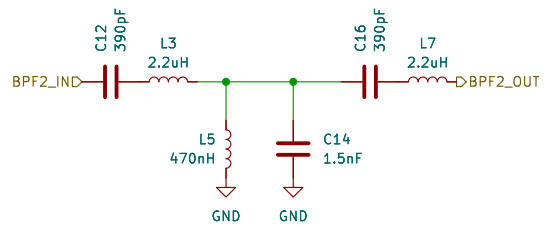
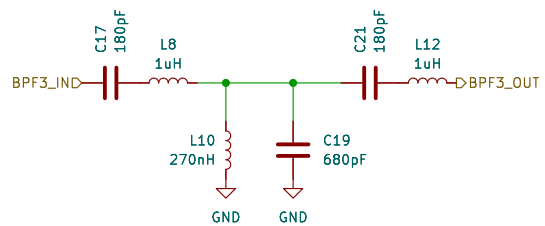
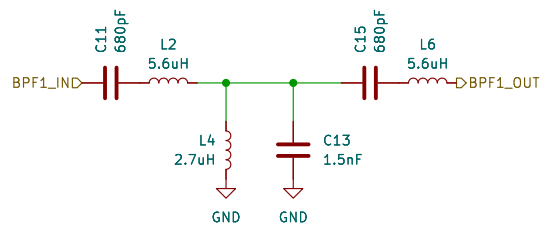
Size: A4

Date:

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Rev:

Id: 6/14



Sheet: /RF Processing/Filter selector/Filters/
File: filters.kicad_sch

Title:

Size: A4

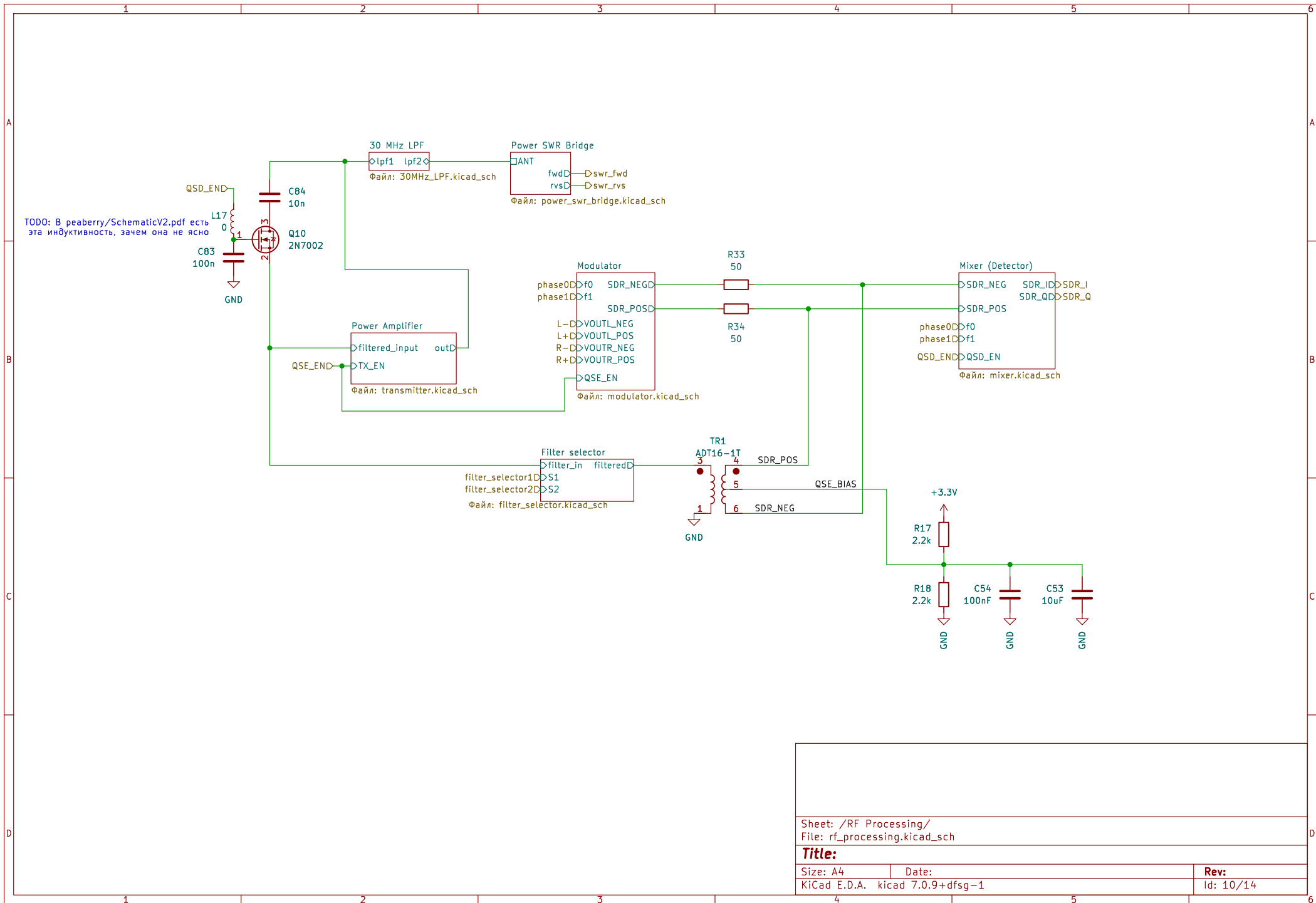
Date:

KiCad E.D.A. kicad 7.0.9+dfsg-1

Rev:

Id: 8/14

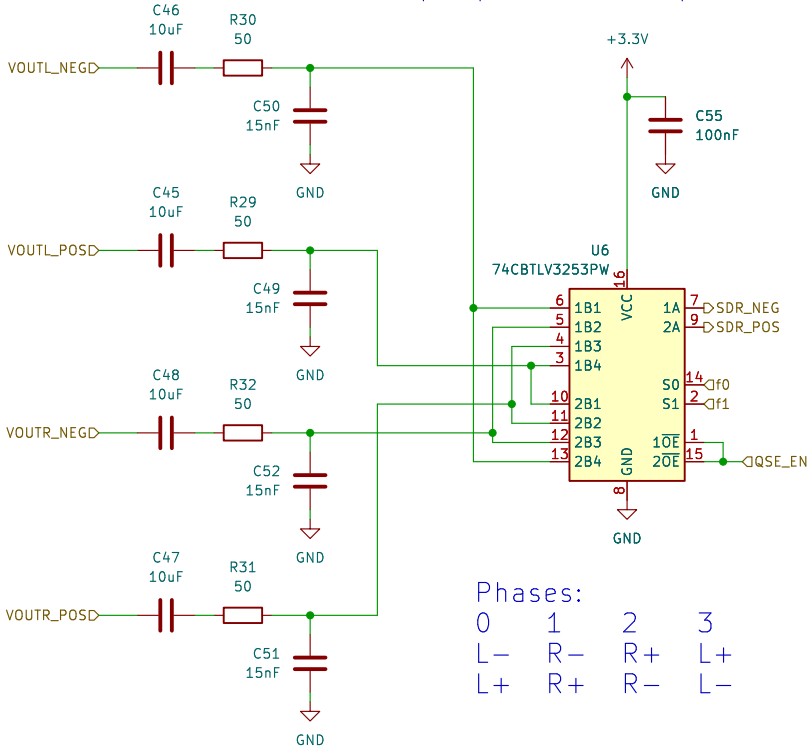
Id: 9/14



Based on Selenite Lite SDR HF Transceiver by Dmitrii Rudnev

TODO:
Вопрос:
Нужны ли разделительные конденсаторы
(C46 и прочие) на большую ёмкость?

TODO: Необходимость этих резисторов и их номинал под вопросом



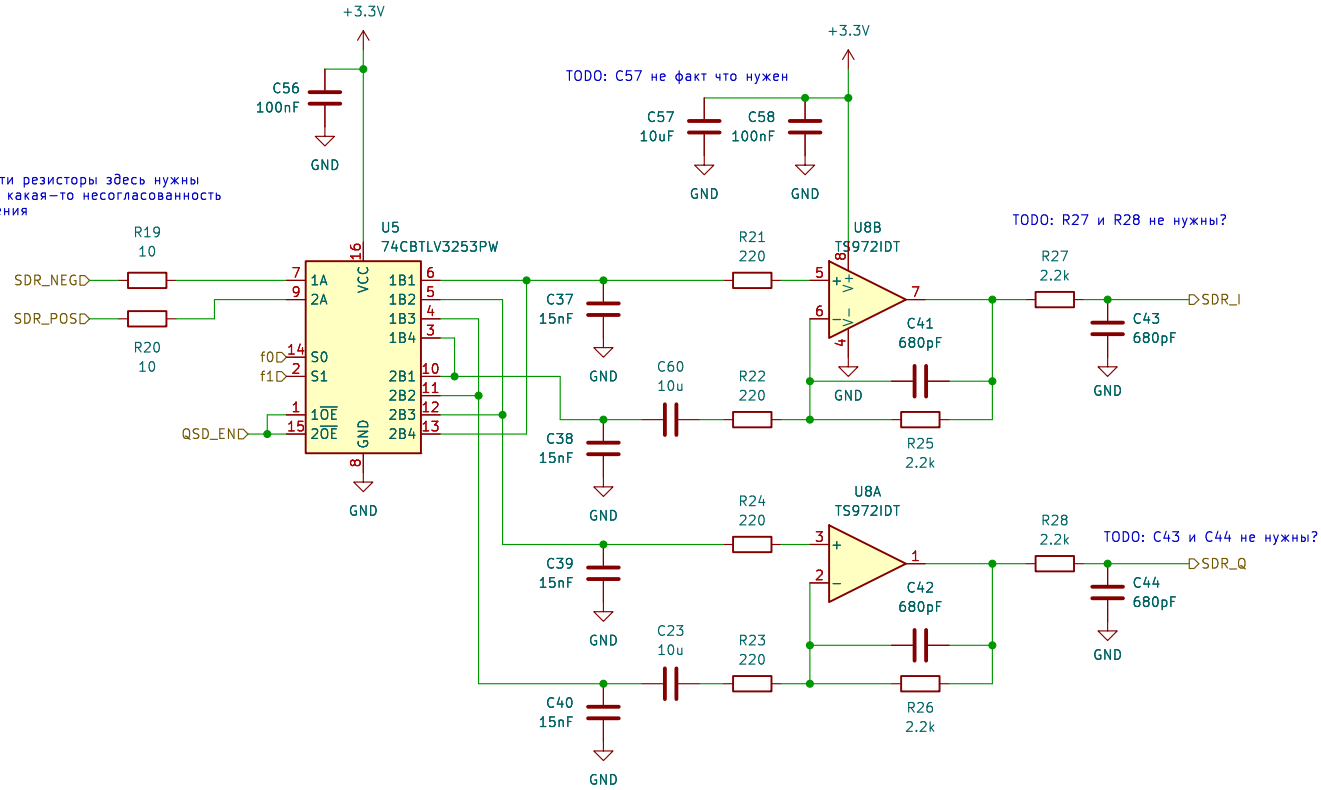
Sheet: /RF Processing/Modulator/
File: modulator.kicad_sch

Title: Quadrature Sampling Exciter (QSE)

Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.9+dfsg-1		Id: 11/14

Double Balanced "Tayloe" Detector (by Dan Tayloe)

TODO: Не факт что эти резисторы здесь нужны
Похоже, тут вылезла какая-то несогласованность
входного сопротивления



Sheet: /RF Processing/Mixer (Detector)/
File: mixer.kicad_sch

Title: Balanced quadrature sampling detector (QSD)

Size: A4

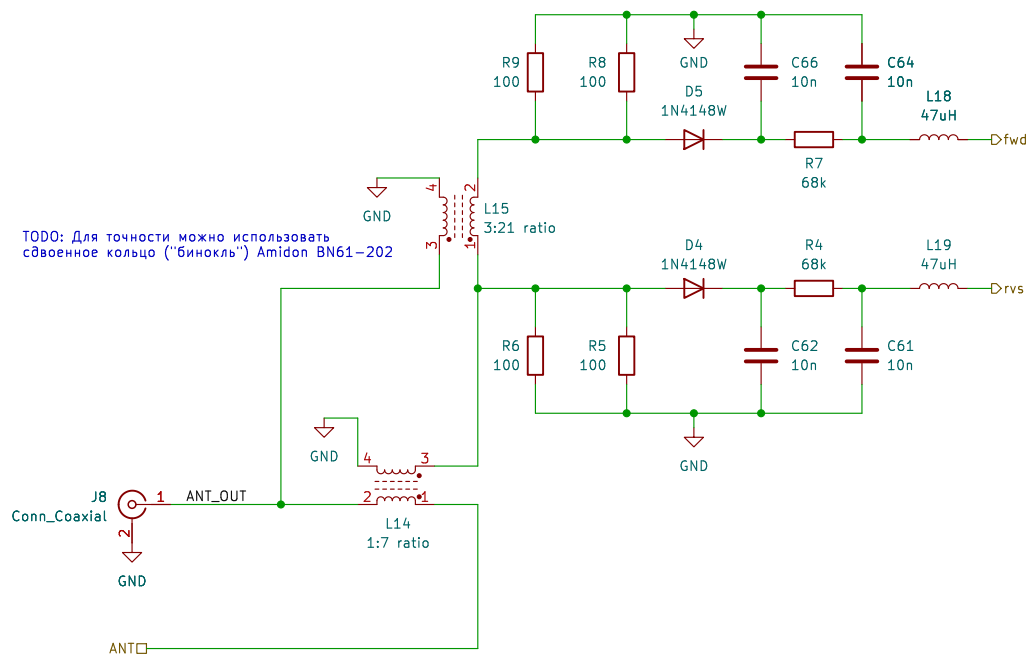
Date:

KiCad E.D.A. kicad 7.0.9+dfsg-1

Rev:

Id: 12/14

"Stockton bridge" from (tr)uSDX RF board



Sheet: /RF Processing/Power SWR Bridge/
File: power_swr_bridge.kicad_sch

Title:

Size: A4

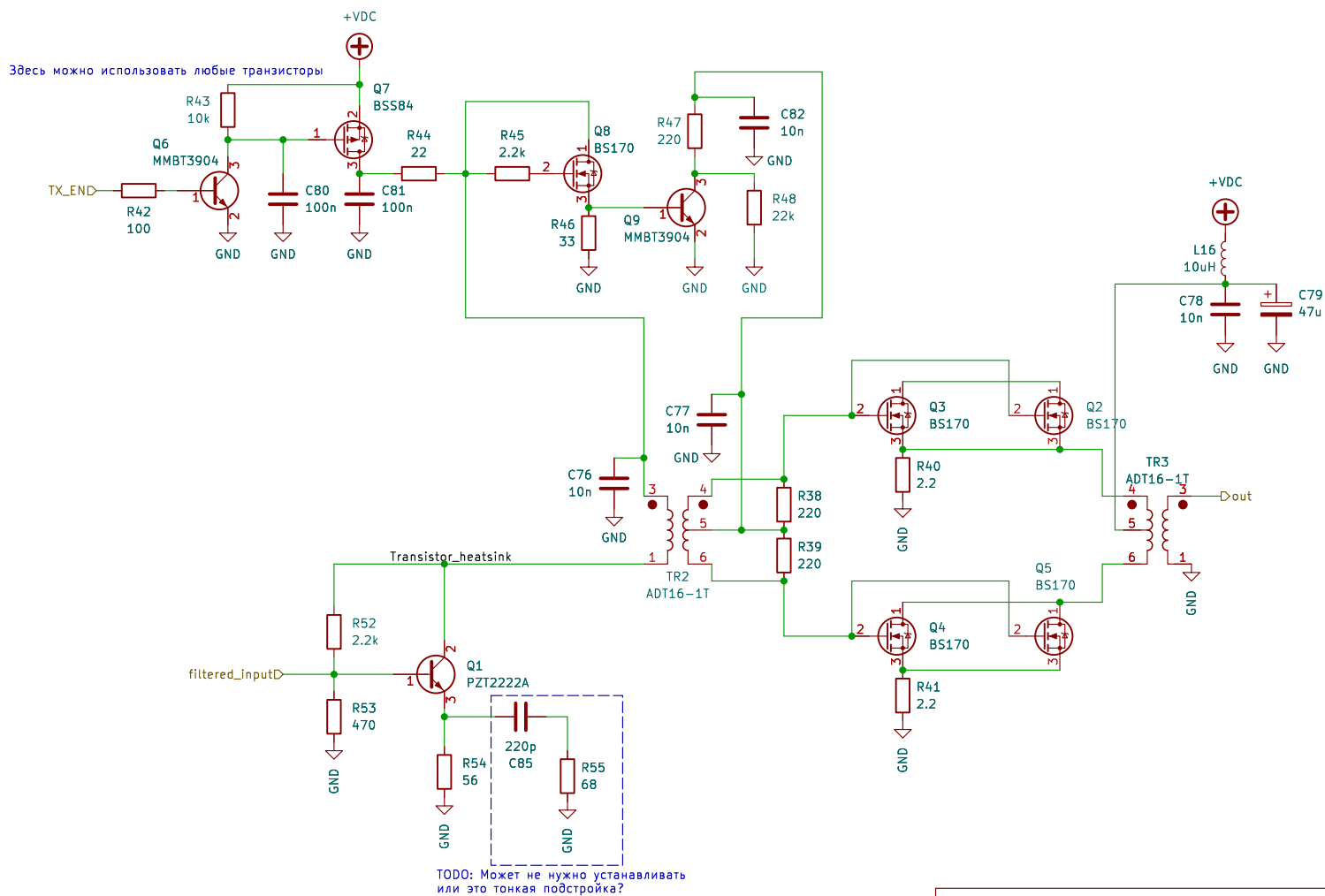
Date:

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Rev:

Id: 13/14

Based on AE9RB Peaberry SDR V2 circuit



Sheet: /RF Processing/Power Amplifier/
File: transmitter.kicad_sch

Title: Transmitter, Power Amplifier

Size: A4

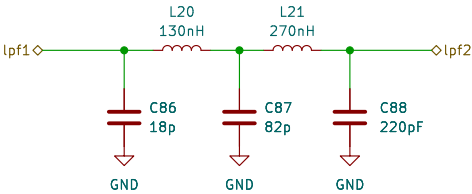
Date:

KiCad E.D.A. kicad 7.0.9+dfsg-1

Rev:

Id: 14/14

LPF 30 MHz cutoff, impedance 50 Ohm



Sheet: /RF Processing/30 MHz LPF/ File: 30MHz_LPF.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.9+dfsg-1		Id: 14/14