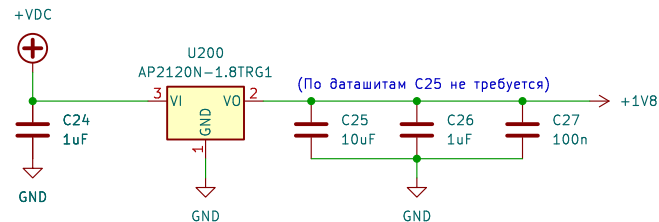
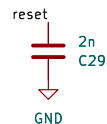
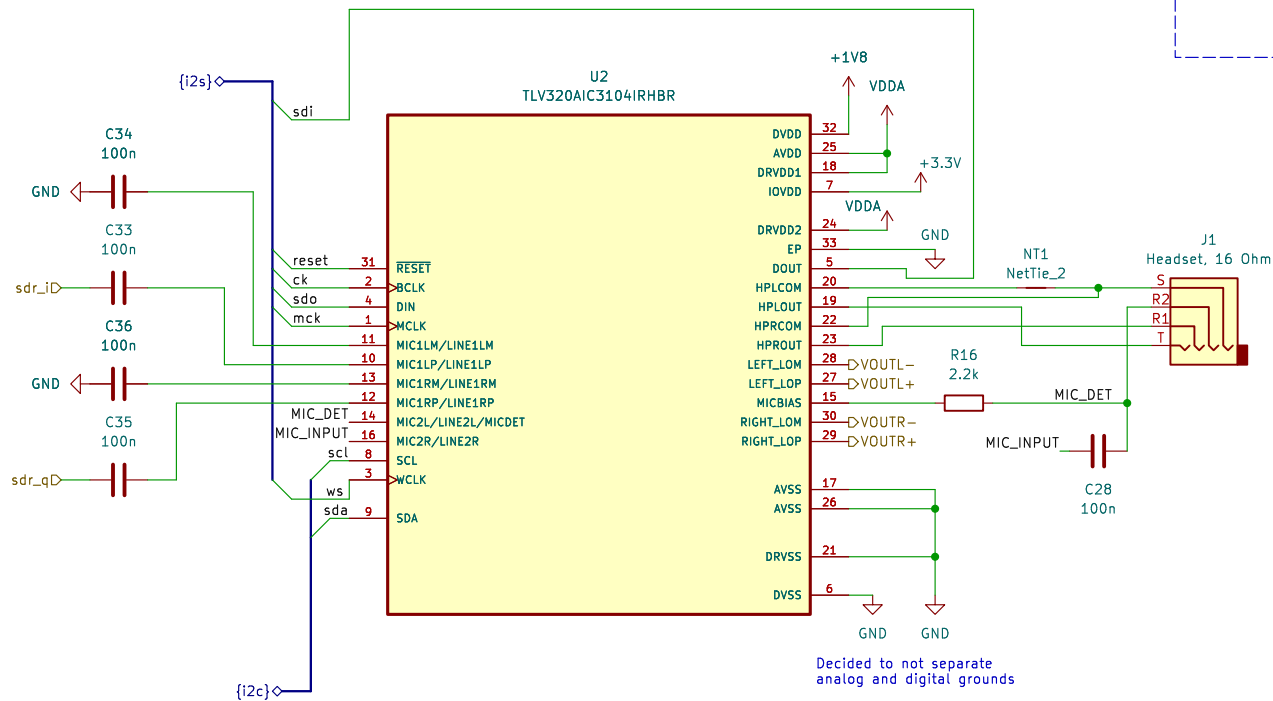
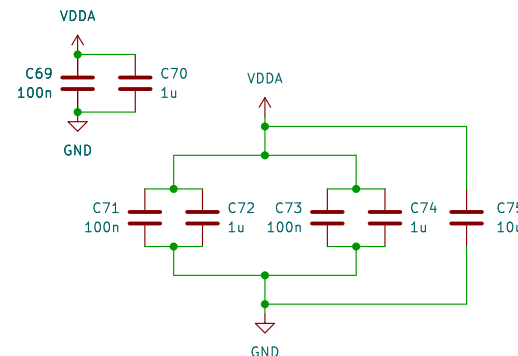




In cases where the ESD events generate a device reset, it is recommended to add at least a 1-nF capacitor connected between the RESET pin and DVSS. This capacitor avoids ESD events that could place the codec in default state.



Разводить в соответствии с рекомендациями из даташита

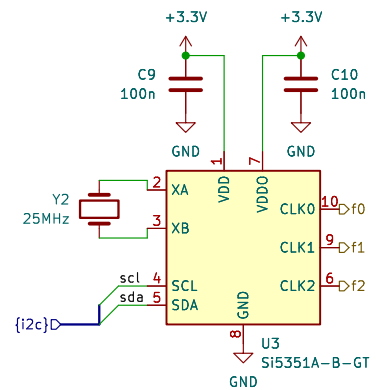


Sheet: /Codec/  
File: codec.kicad\_sch

**Title:**

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:**

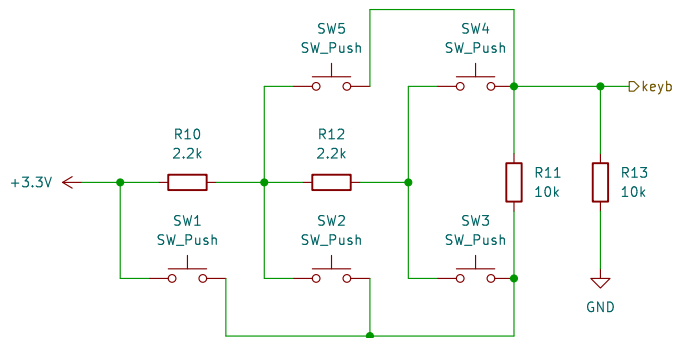
Size: A4

Date:

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

**Rev:**

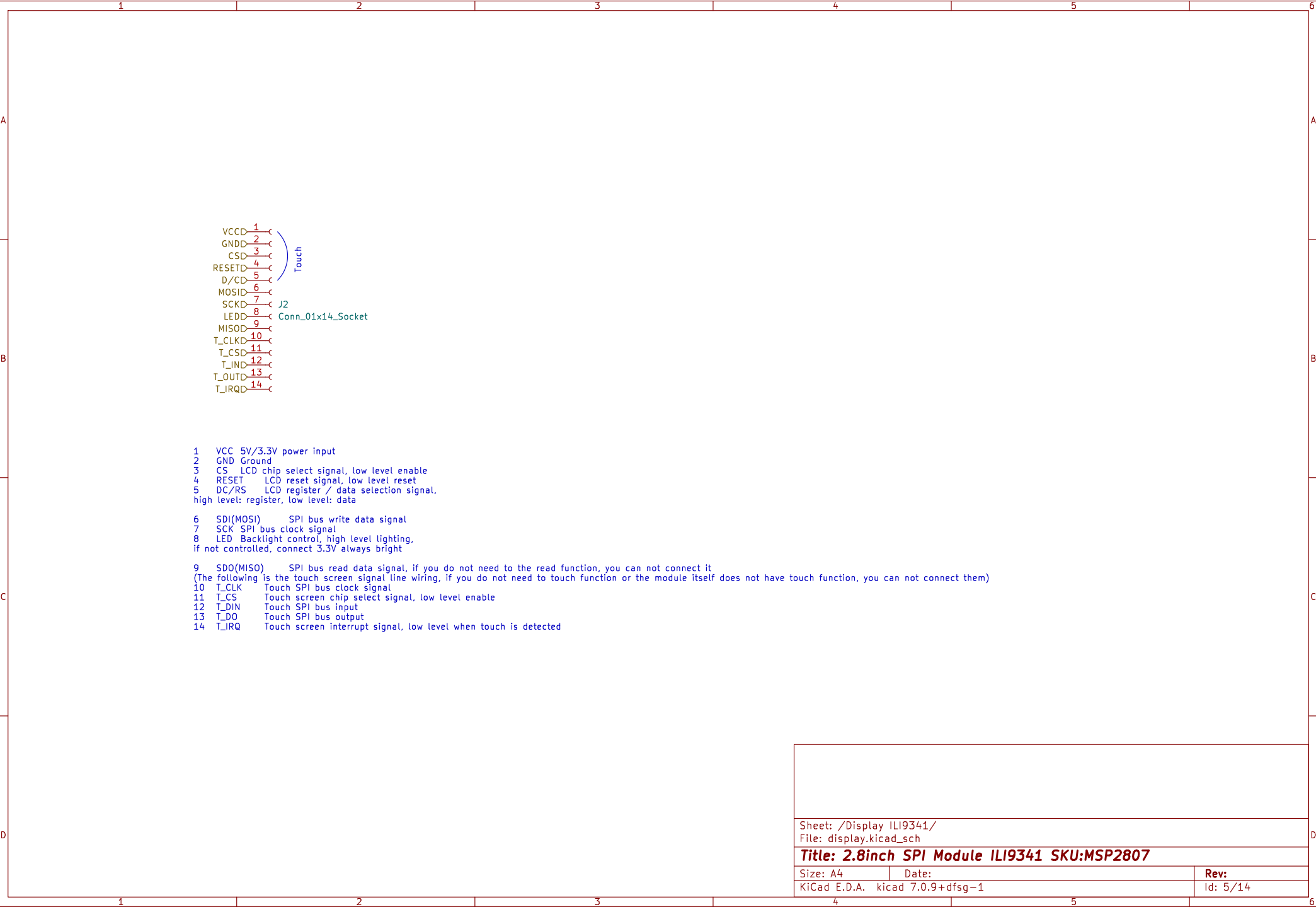
Id: 3/14



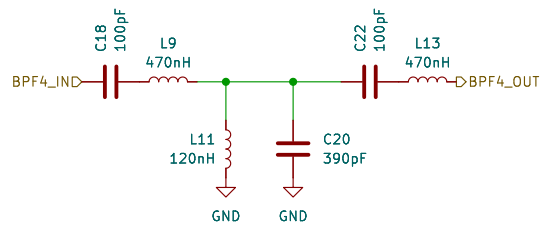
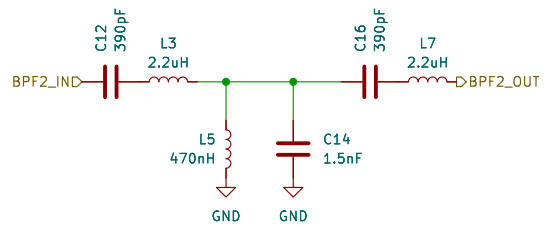
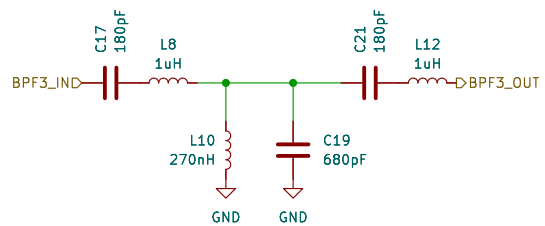
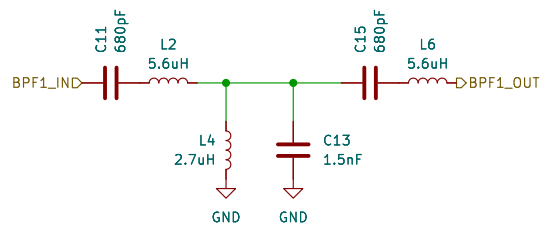
Sheet: /Keyboard/  
File: keyboard.kicad\_sch

**Title:**

Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.9+dfsg-1		Id: 4/14







Sheet: /RF Processing/Filter selector/Filters/  
File: filters.kicad\_sch

**Title:**

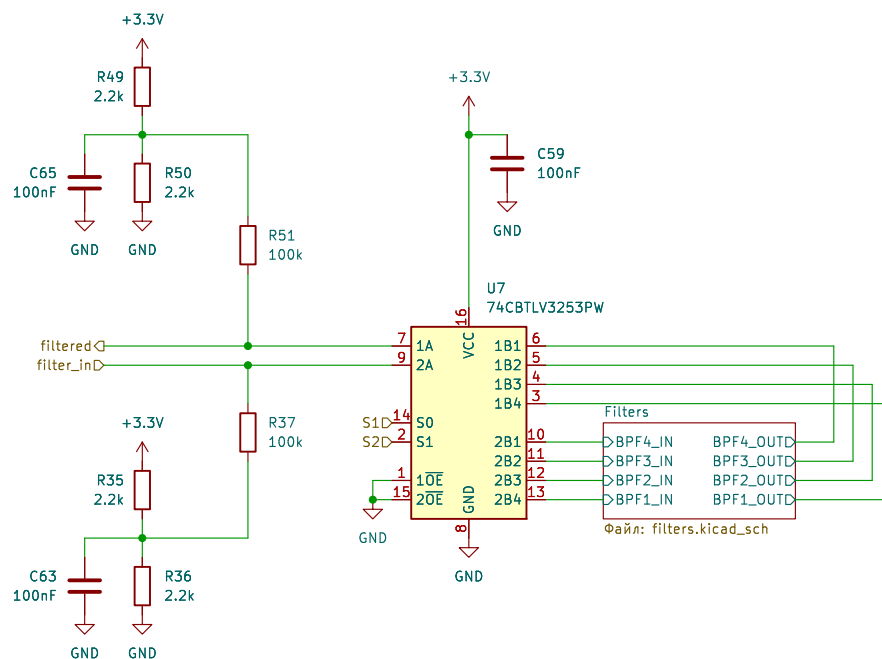
Size: A4

Date:

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

**Rev:**

Id: 8/14

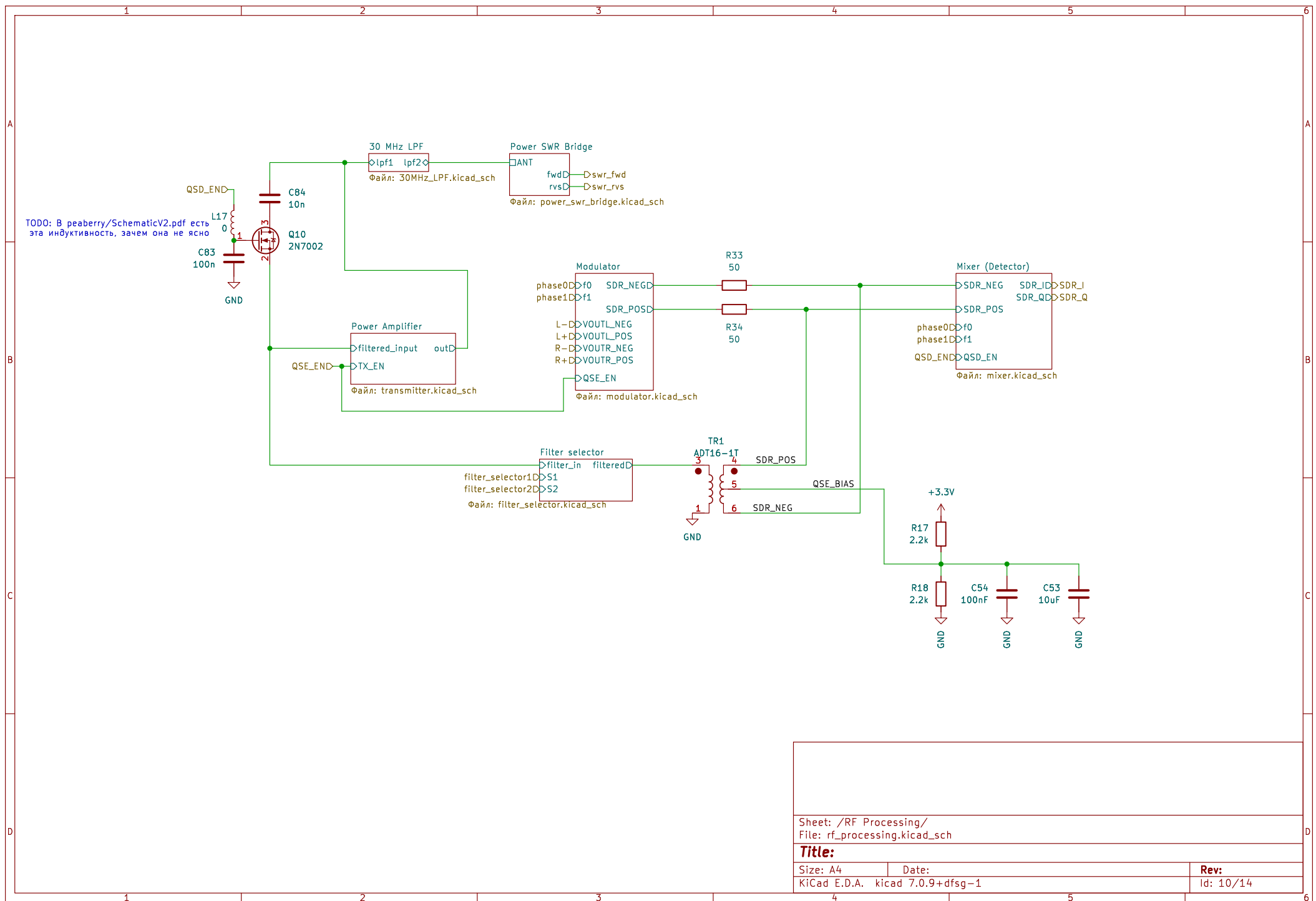


Sheet: /RF Processing/Filter selector/  
File: filter\_selector.kicad\_sch

**Title:**

Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.9+dfsg-1		Id: 9/14

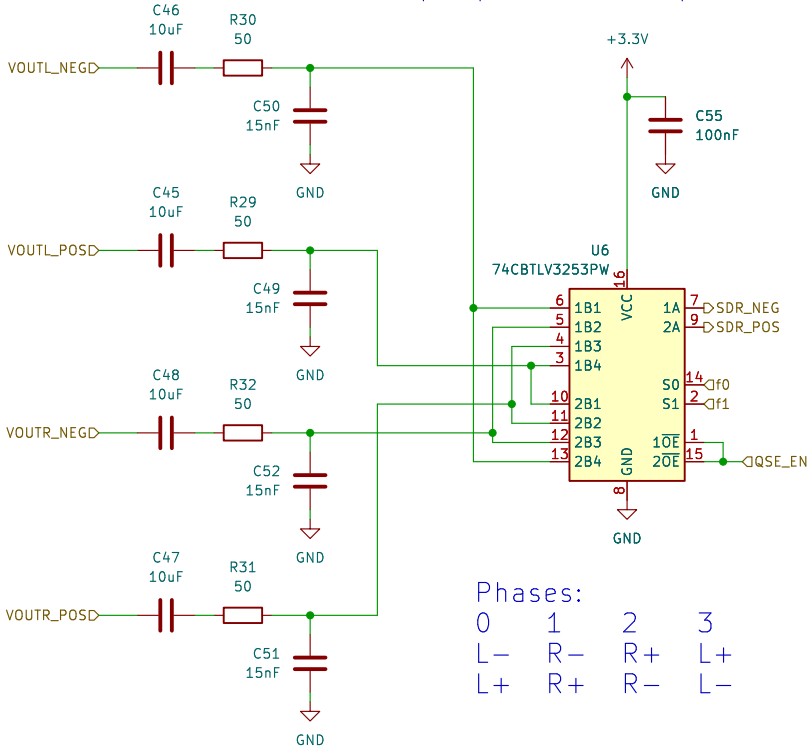




Based on Selenite Lite SDR HF Transceiver by Dmitrii Rudnev

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

TODO: Необходимость этих резисторов и их номинал под вопросом



Phases:  
0 1 2 3  
L- R- R+ L+  
L+ R+ R- L-

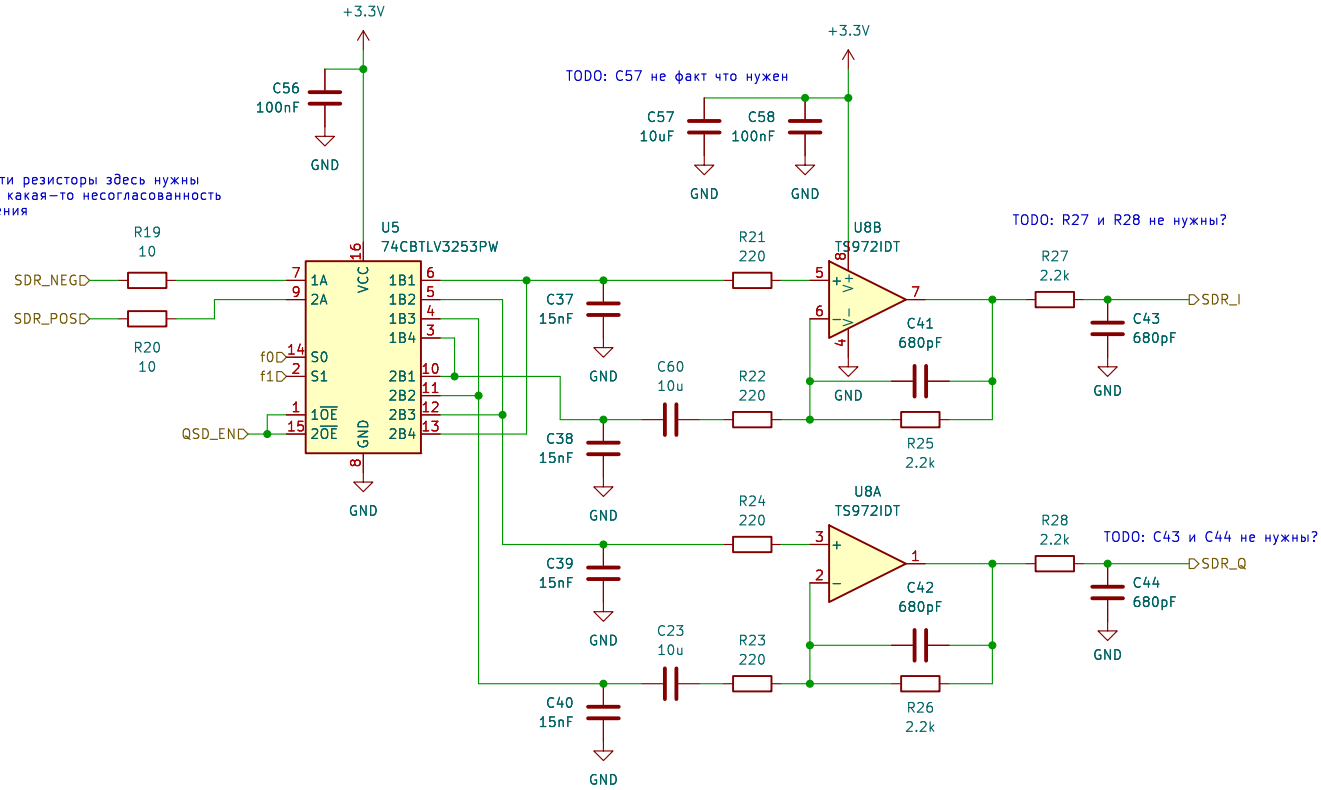
Sheet: /RF Processing/Modulator/  
File: modulator.kicad\_sch

**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

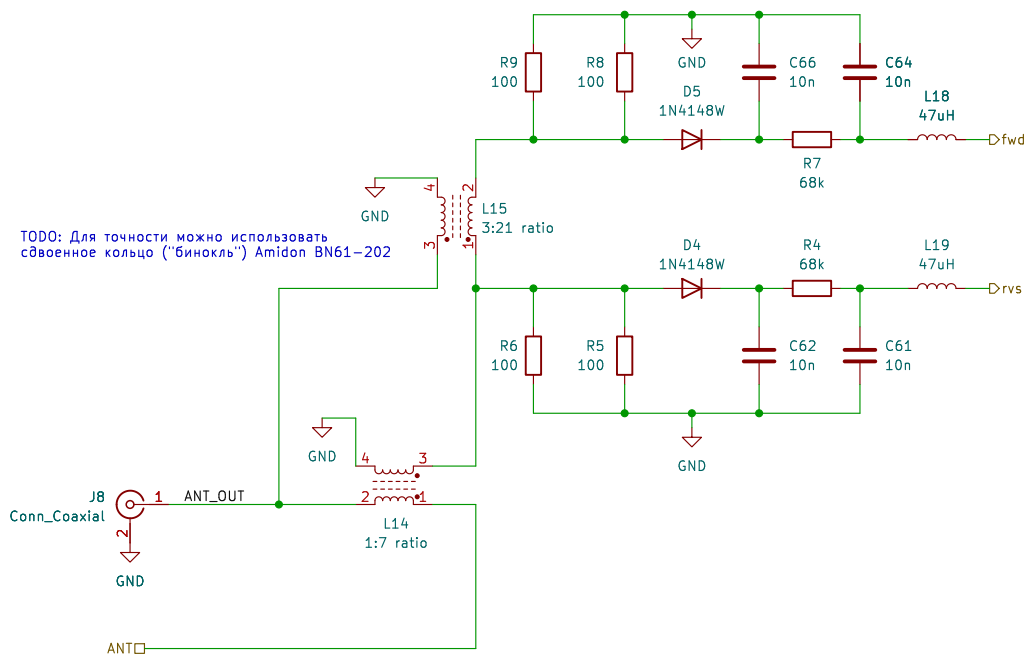
Date:

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

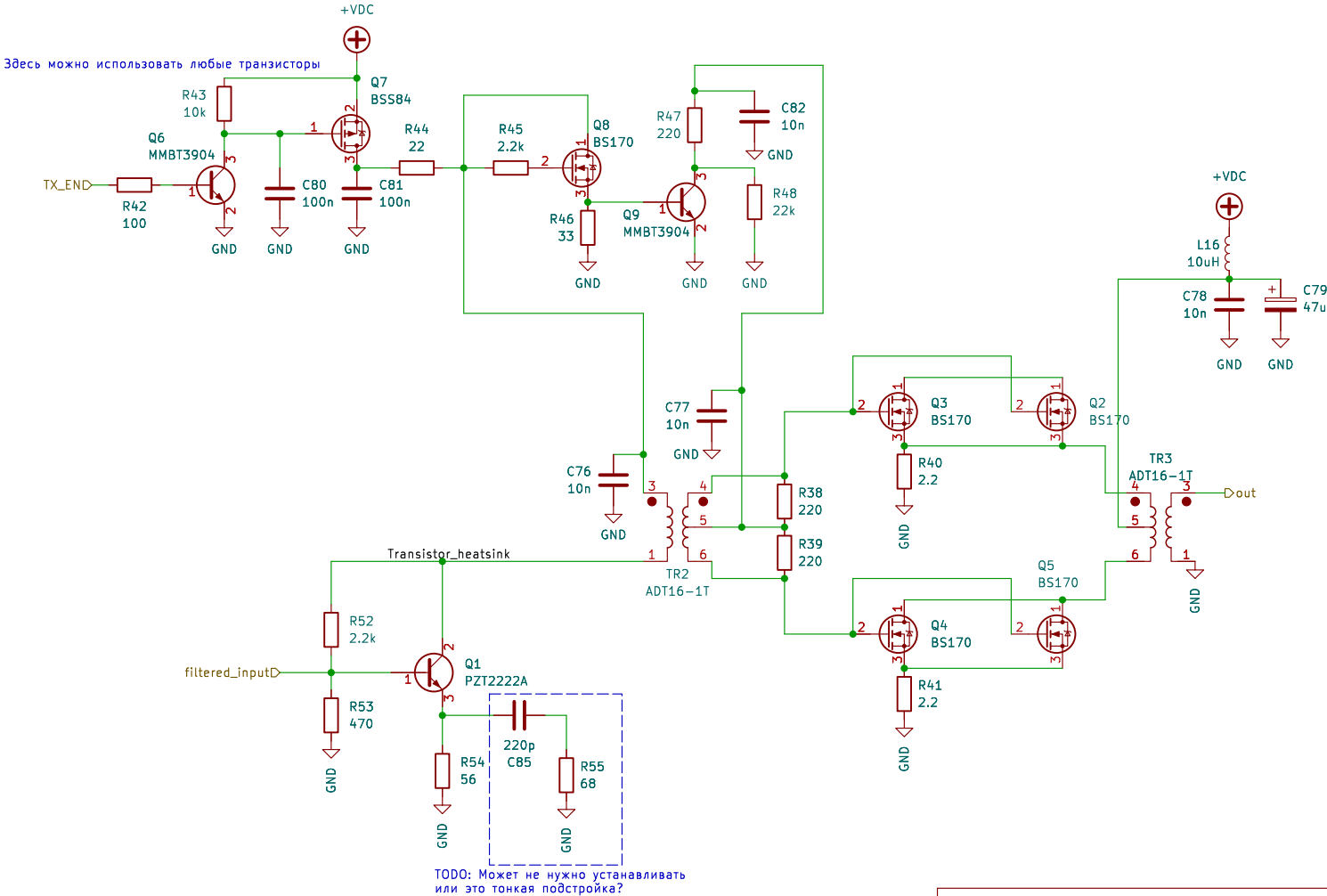
Date:

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

Rev:

Id: 13/14

Based on AE9RB Peaberry SDR V2 circuit



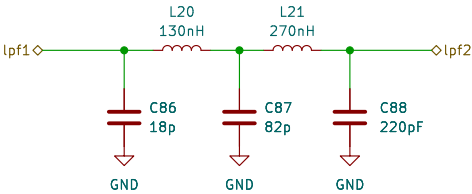
Sheet: /RF Processing/Power Amplifier/  
File: transmitter.kicad\_sch

**Title: Transmitter, Power Amplifier**

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

Date:  
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