

Sheet: /  
File: main.kicad\_sch

# Title:

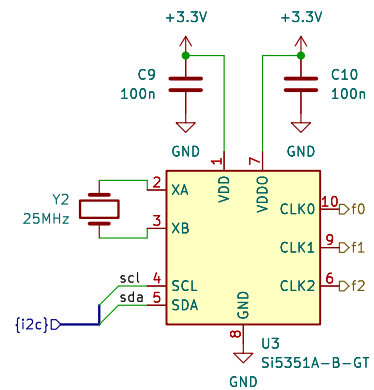
Size: A4  
KiCad E.D.A. kicad 7.0.9+dfsg-1

Date:

Rev:

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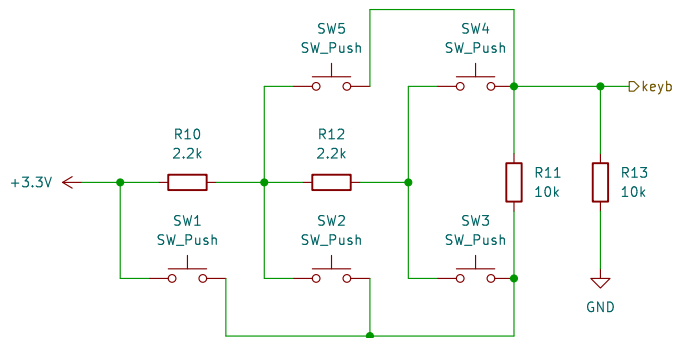




Sheet: /Programmable Clock Generator/  
File: clock\_gen.kicad\_sch

**Title:**

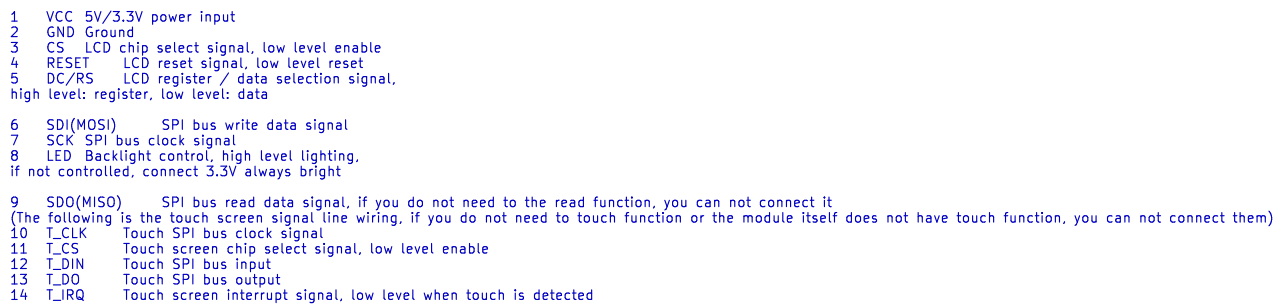
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.9+dfsg-1		Id: 3/13



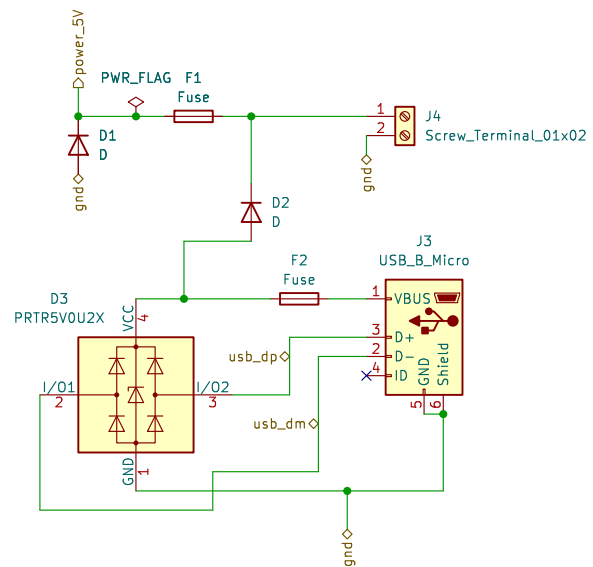
Sheet: /Keyboard/  
File: keyboard.kicad\_sch

**Title:**

Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.9+dfsg-1		Id: 4/13



Sheet: /Display ILI9341/		
File: display.kicad_sch		
<b>Title: 2.8inch SPI Module ILI9341 SKU:MSP2807</b>		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.9+dfsg-1		Id: 5/13



Sheet: /Power supply/  
File: power.kicad\_sch

**Title:**

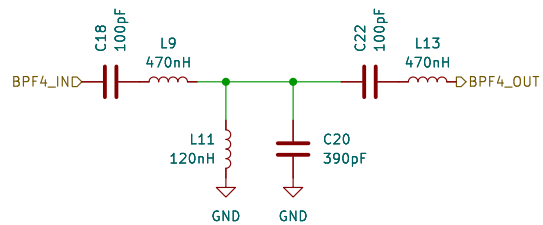
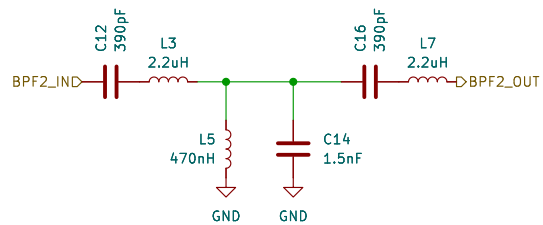
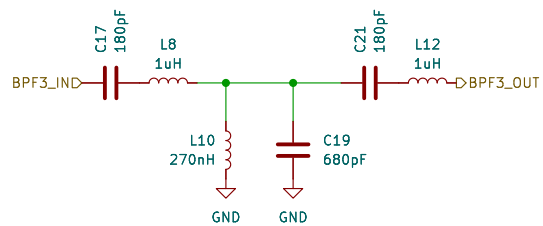
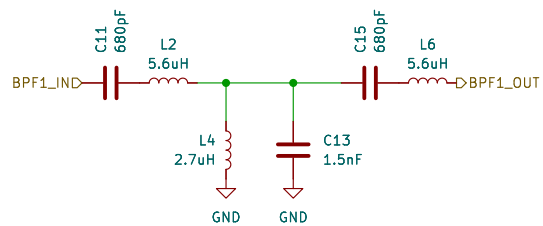
Size: A4

Date:

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

**Rev:**

Id: 6/13



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

**Title:**

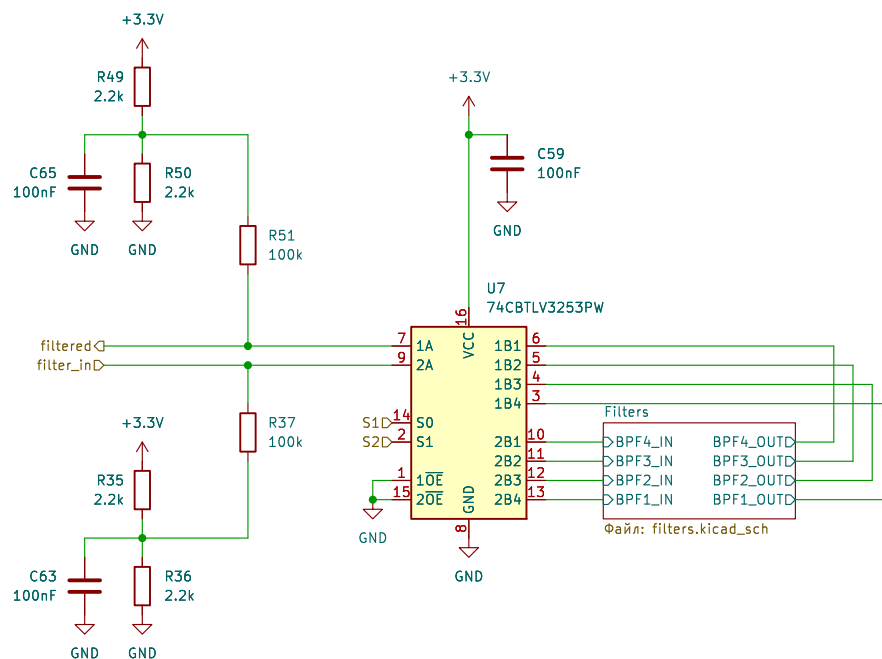
Size: A4

Date:

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

**Rev:**

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

**Title:**

Size: A4

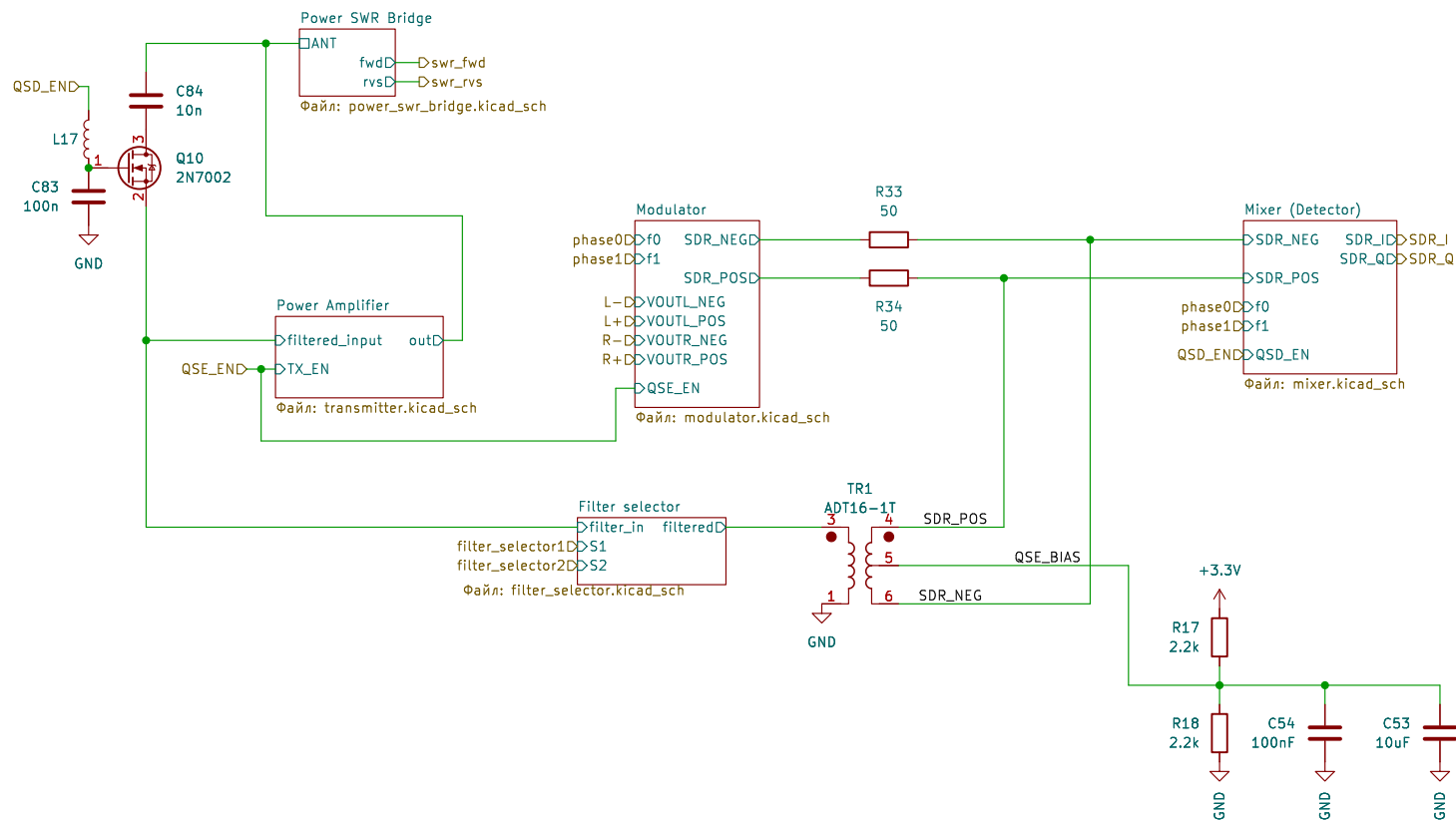
Date:

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

**Rev:**

Id: 9/13





Sheet: /RF Processing/  
File: rf\_processing.kicad\_sch

**Title:**

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

Date:

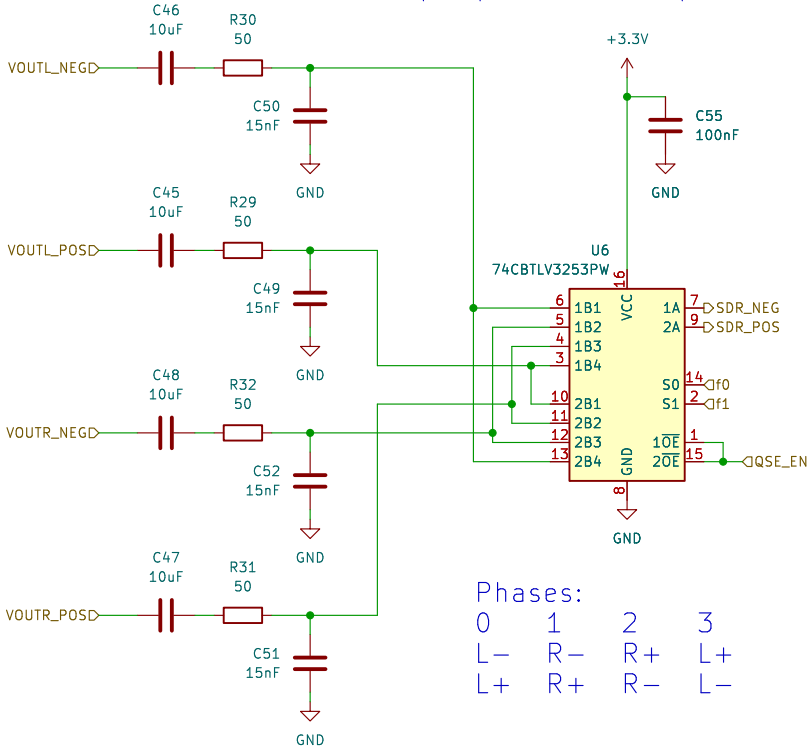
Rev:

Id: 10/13

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:

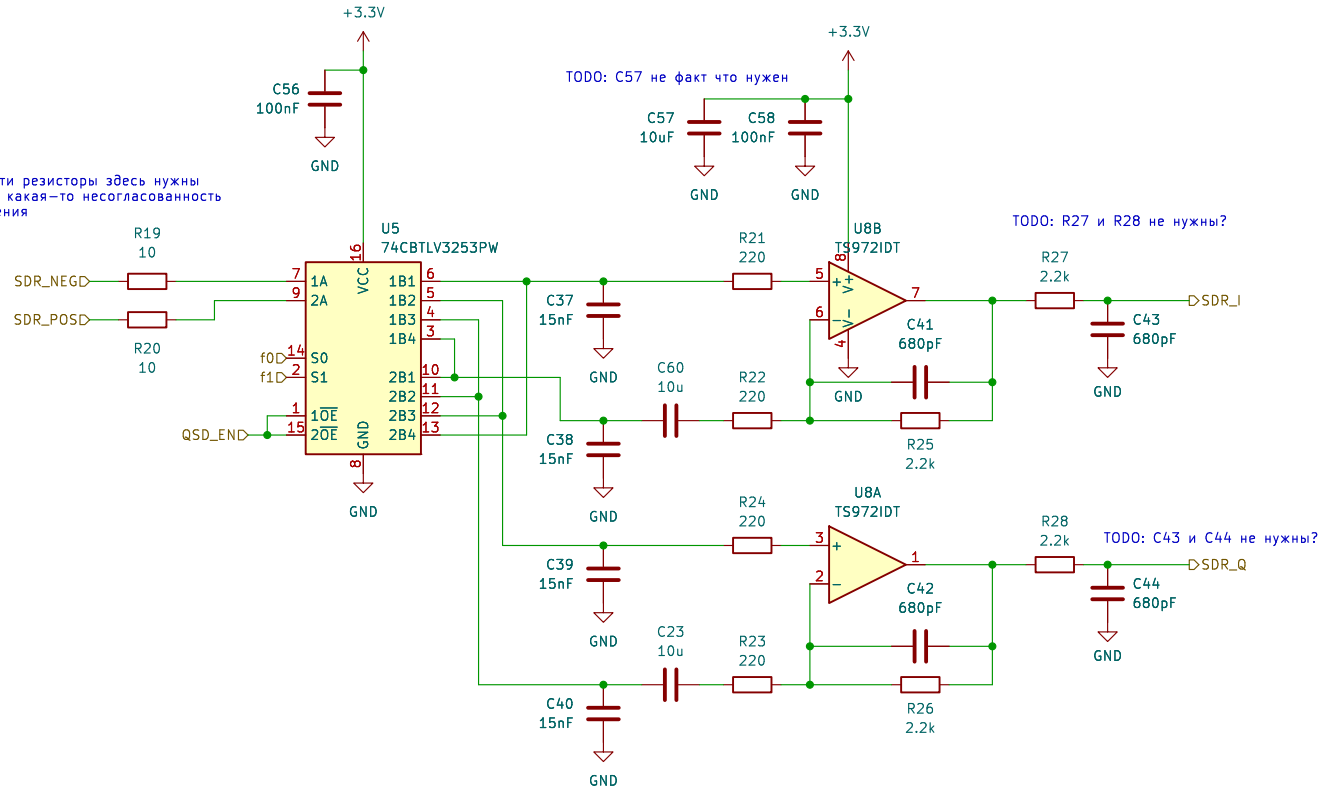
KiCad E.D.A. kicad 7.0.9+dfsg-1

Rev:

Id: 11/13

# Double Balanced "Tayloe" Detector (by Dan Tayloe)

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

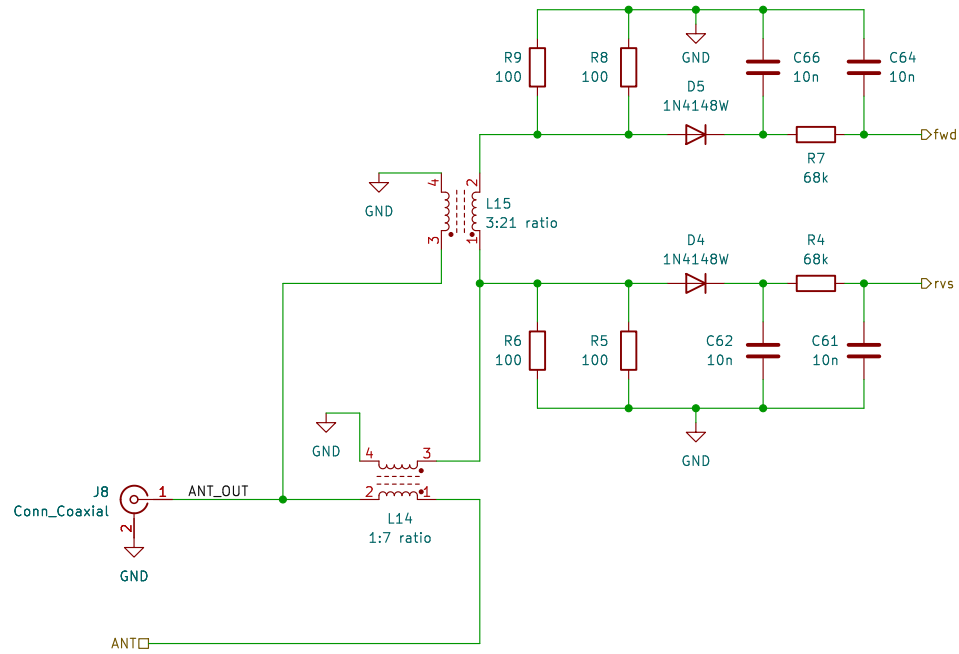


Sheet: /RF Processing/Mixer (Detector)/  
File: mixer.kicad\_sch

**Title: Balanced quadrature sampling detector (QSD)**

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

Date:  
Rev:  
Id: 12/13



Sheet: /RF Processing/Power SWR Bridge/  
File: power\_swr\_bridge.kicad\_sch

**Title:**

Size: A4

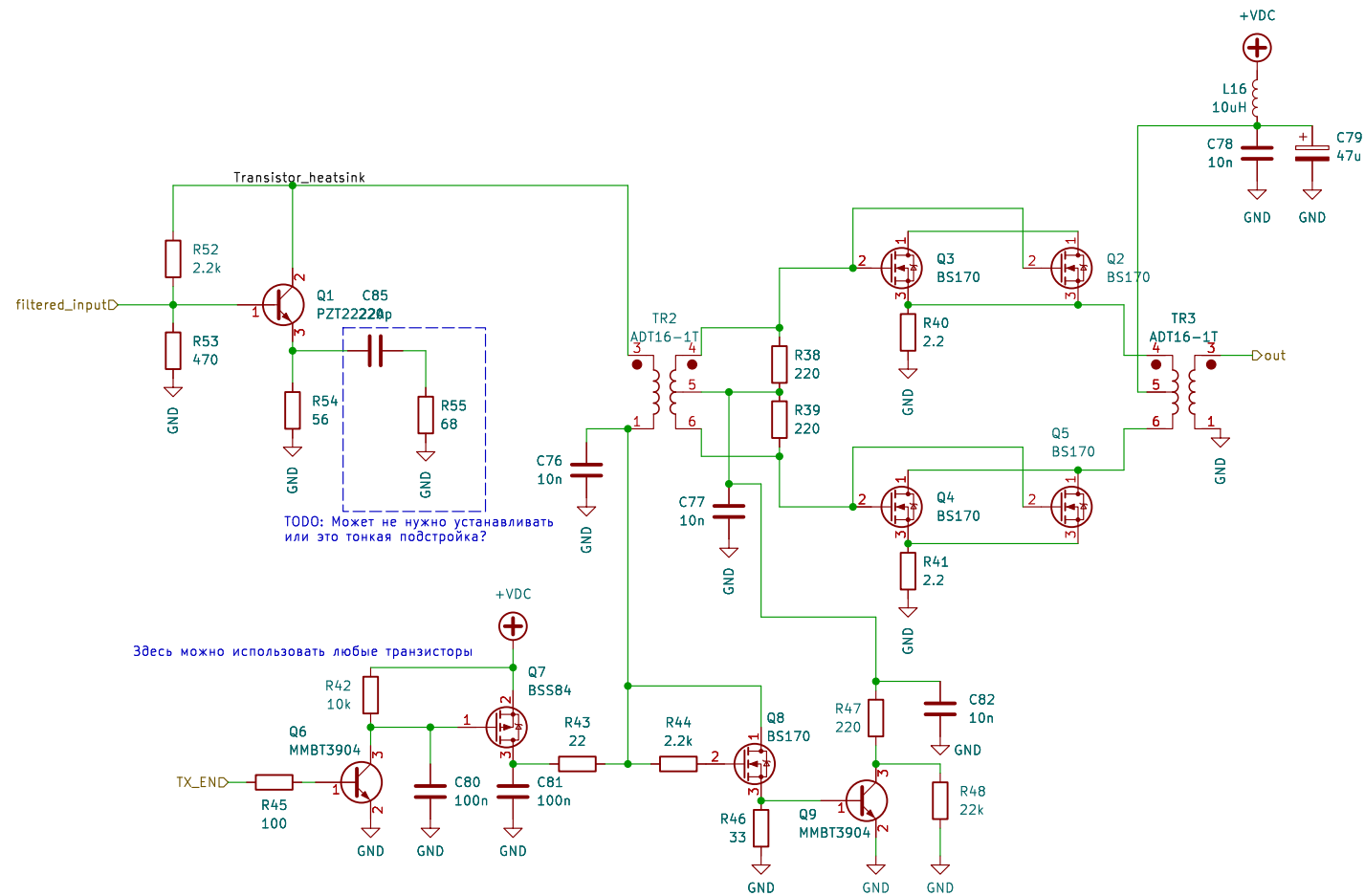
Date:

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

**Rev:**

Id: 13/13

Based on AE9RB Peaberry SDR V2 circuit



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

**Title: Transmitter, Power Amplifier**

Size: A4

Date:

Rev:

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

Id: 14/13