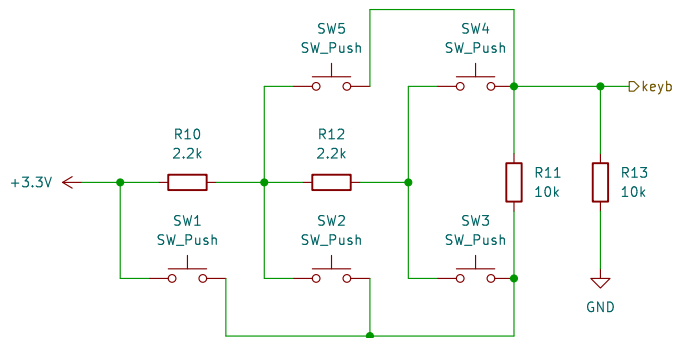


Sheet: /Programmable Clock Generator/
File: clock_gen.kicad_sch

Title:

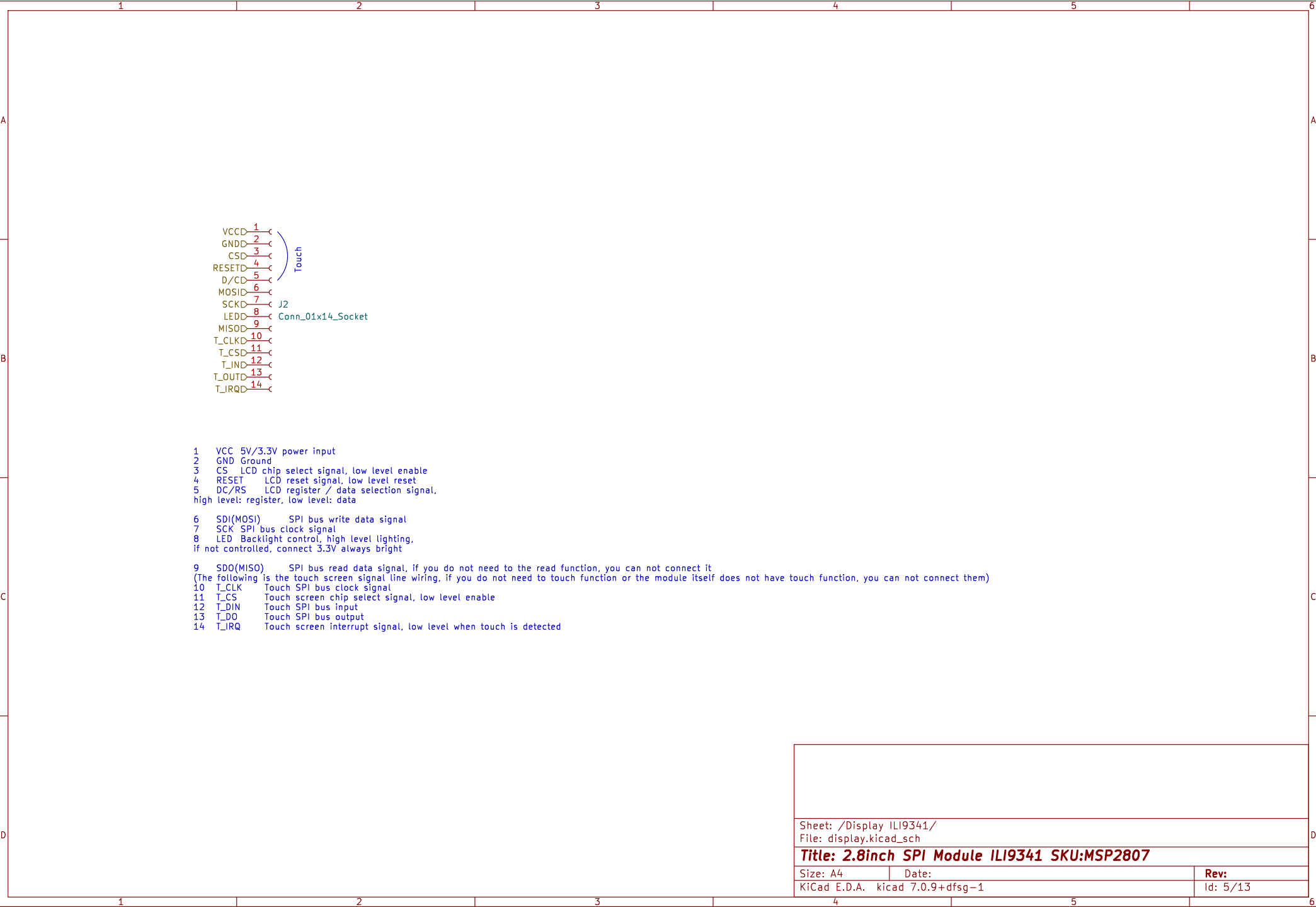
| | | |
|---------------------------------|-------|----------|
| Size: A4 | Date: | Rev: |
| KiCad E.D.A. kicad 7.0.9+dfsg-1 | | Id: 3/13 |

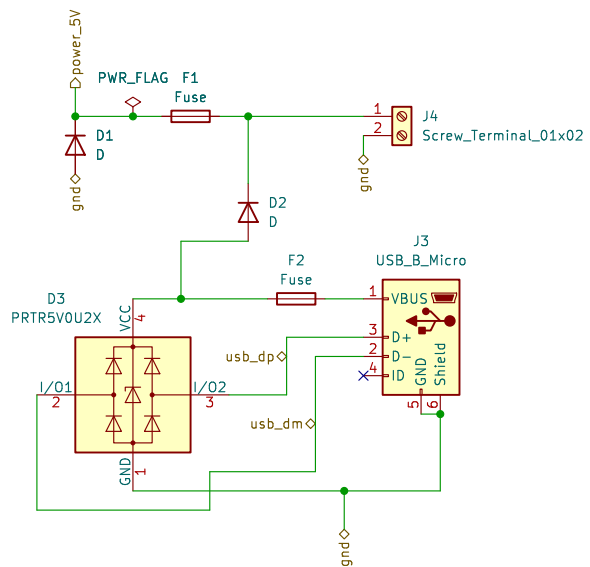


Sheet: /Keyboard/
File: keyboard.kicad_sch

Title:

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





Sheet: /Power supply/
File: power.kicad_sch

Title:

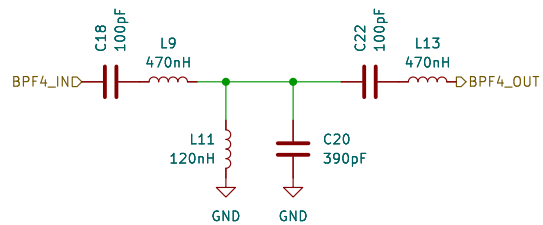
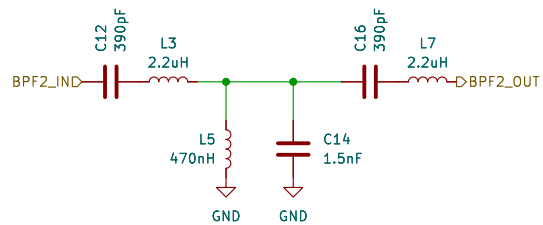
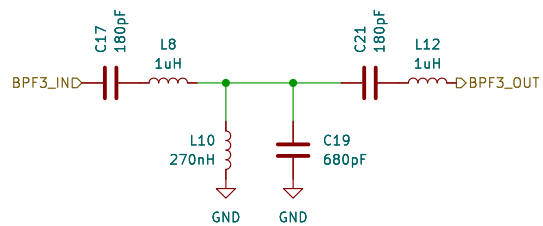
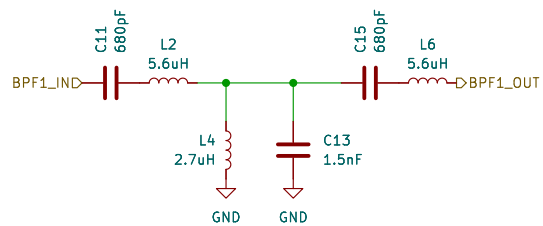
Size: A4

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:

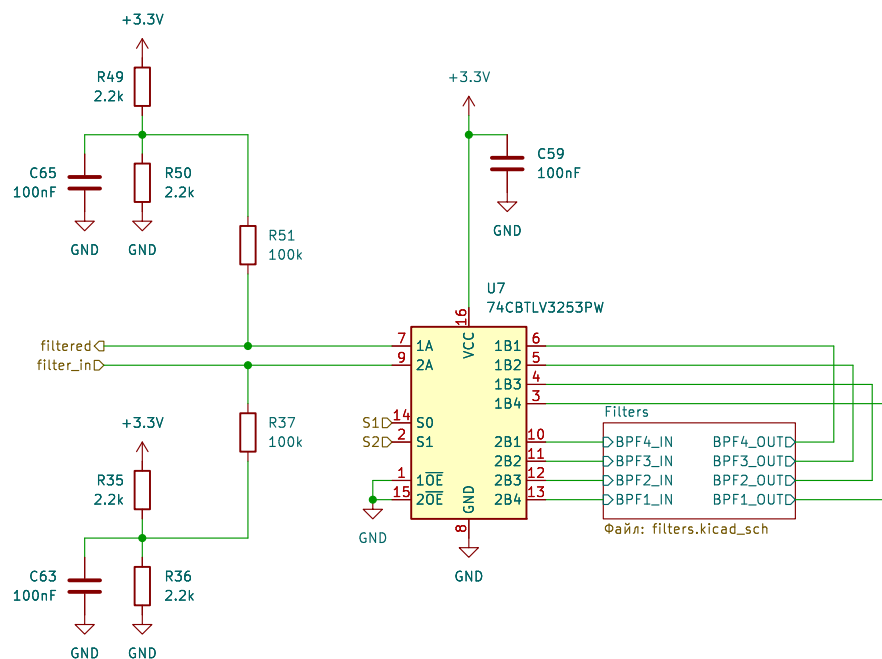
Size: A4

Date:

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

Rev:

Id: 8/13



Sheet: /RF Processing/Filter selector/
File: filter_selector.kicad_sch

Title:

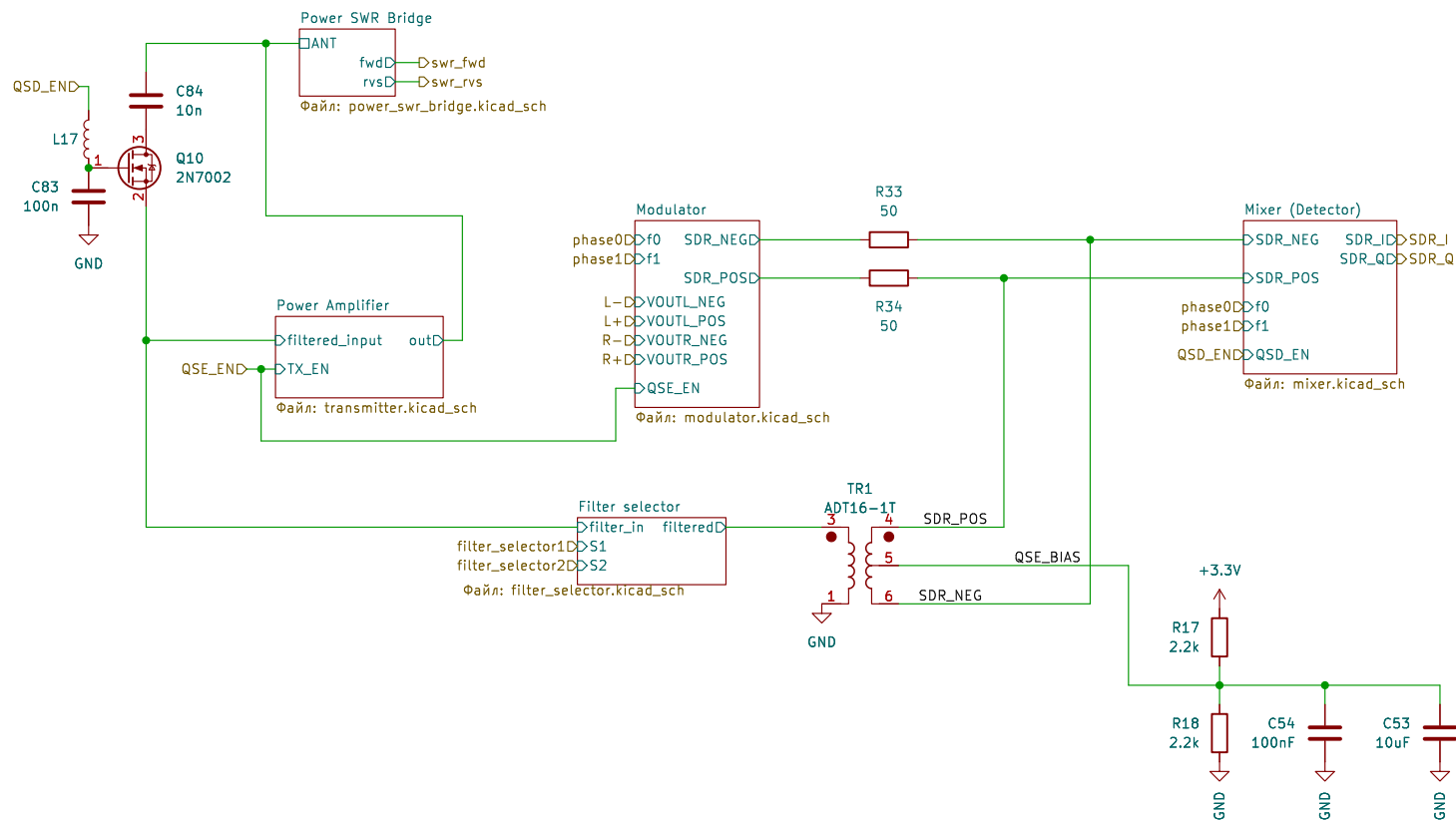
Size: A4

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:

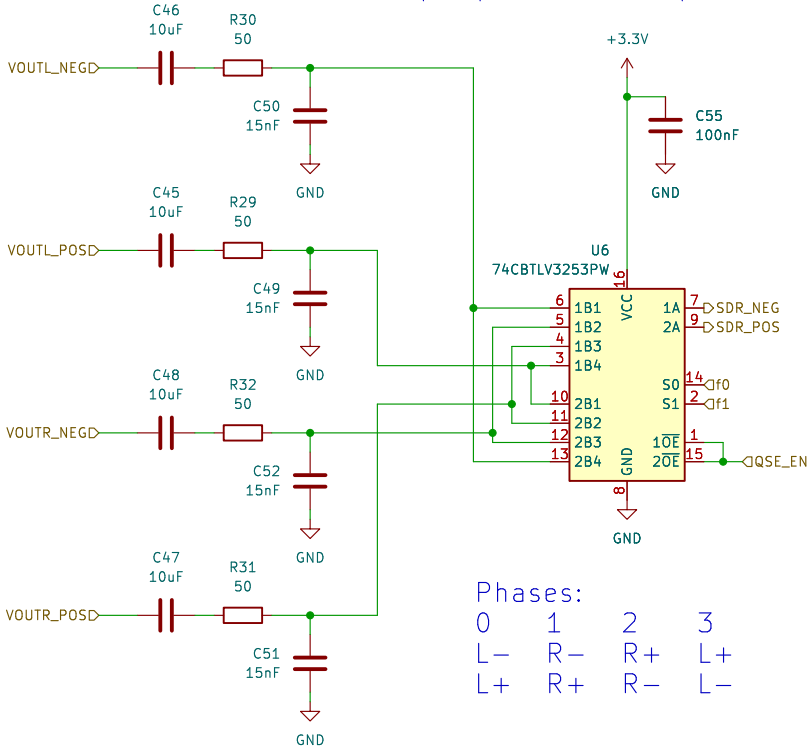
Rev:

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

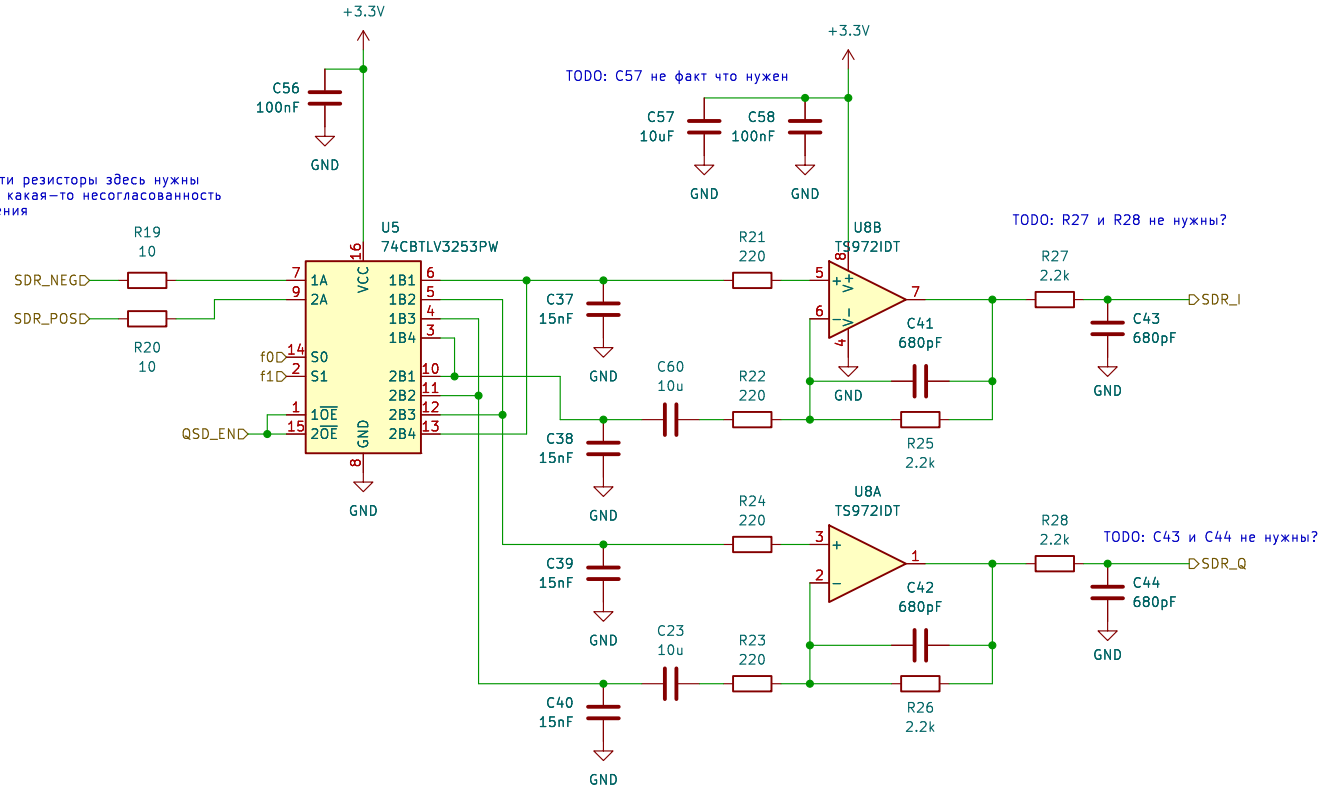


Phases:
0 1 2 3
L- R- R+ L+
L+ R+ R- L-

| | | |
|---|-------|-----------|
| 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: 11/13 |

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

Date:

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

Rev:

Id: 12/13

"Stockton bridge"
from (tr)uSDX RF board

TODO: Для точности можно использовать
сдвоенное кольцо ("бинокль")

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 |

"Stockton bridge"
from (tr)uSDX RF board

TODO: Для точности можно использовать
сдвоенное кольцо ("бинокль")

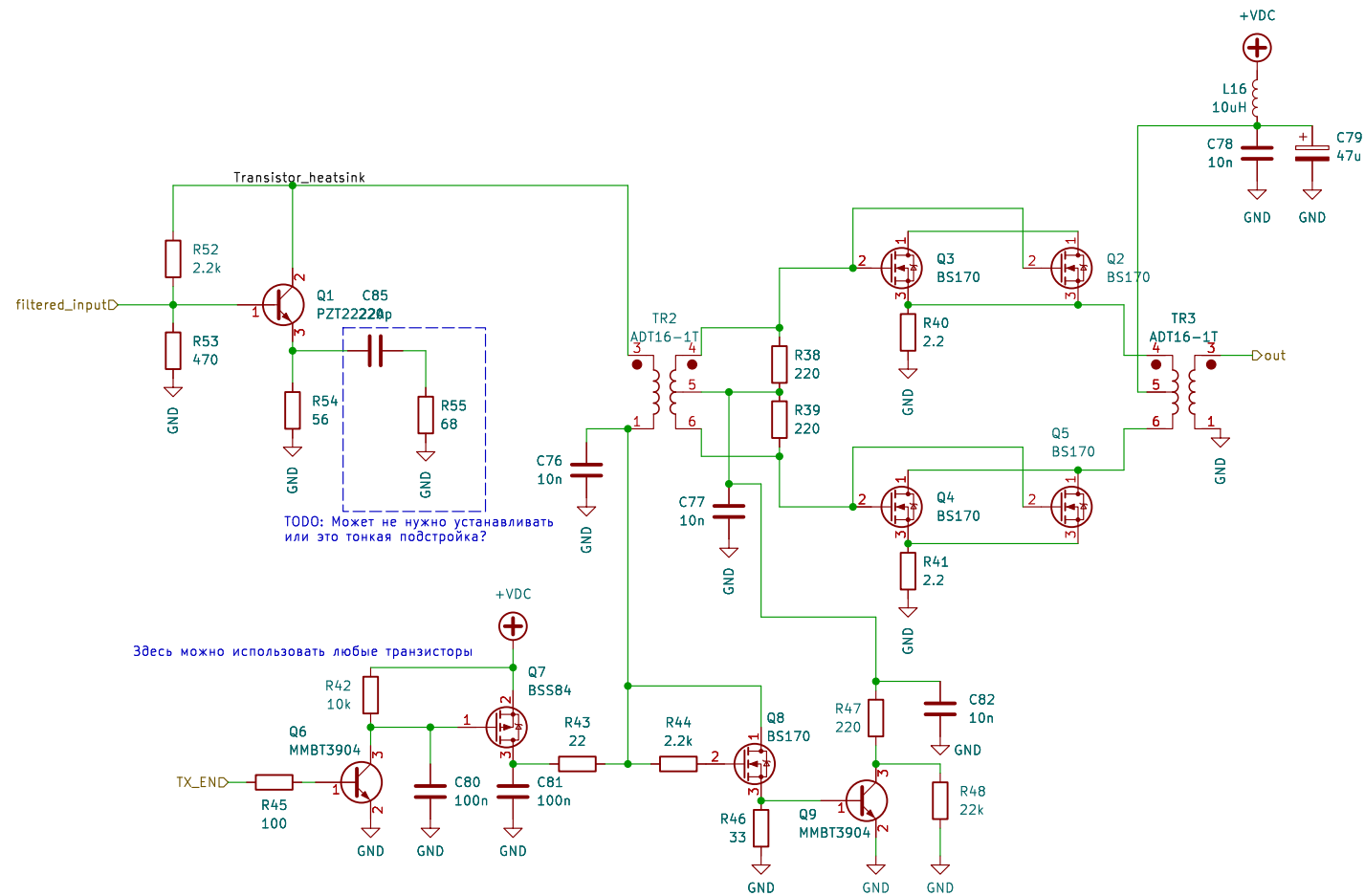
Sheet: /RF Processing/Power SWR Bridge/
File: power_swr_bridge.kicad_sch

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

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

| | | |
|---------------------------------|-------|-----------|
| Title: | | |
| Size: A4 | Date: | Rev: |
| KiCad E.D.A. kicad 7.0.9+dfsg-1 | | 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