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M17Project

Sheet: /MCU & Power/
File: mcu_power.kicad_sch

Title: Module17

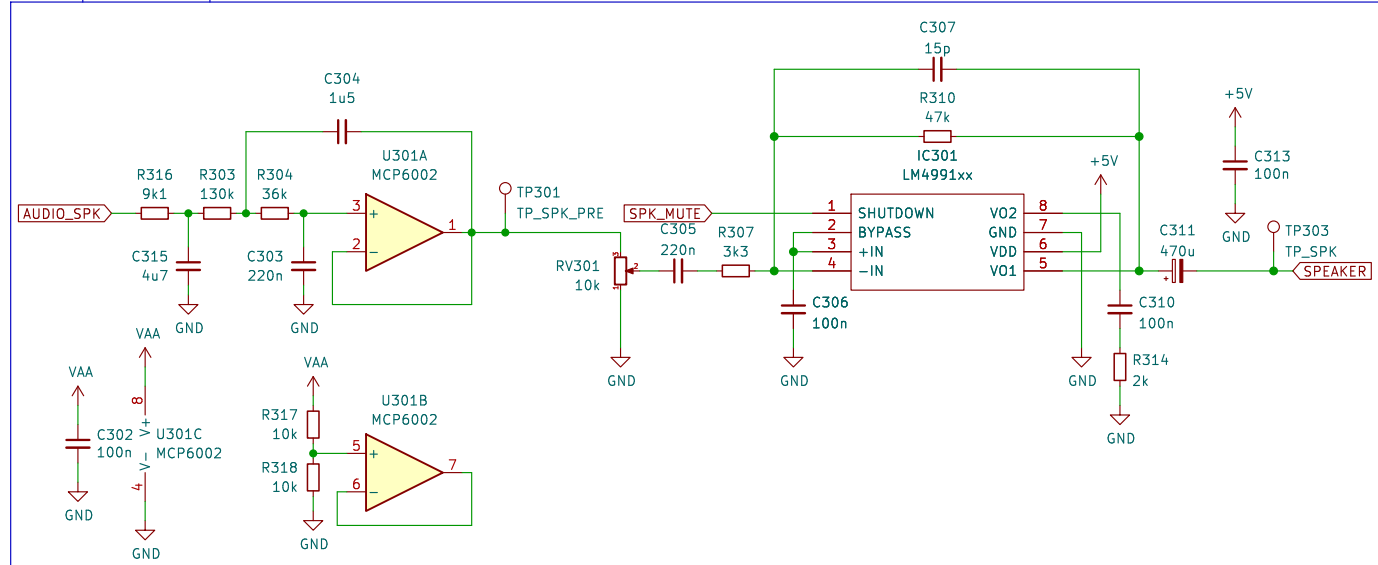
Size: A4 Date: 2023-07-18

KiCad E.D.A. kicad 7.0.7

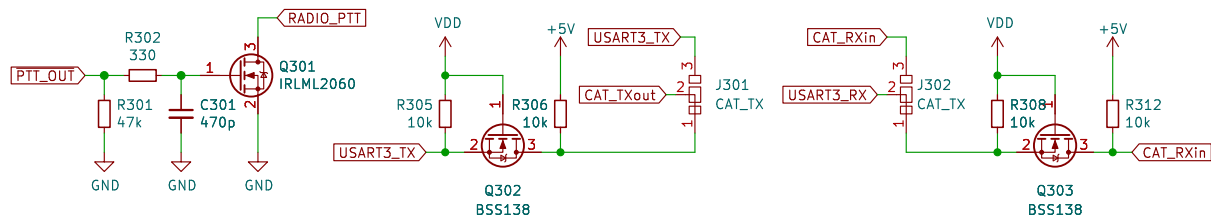
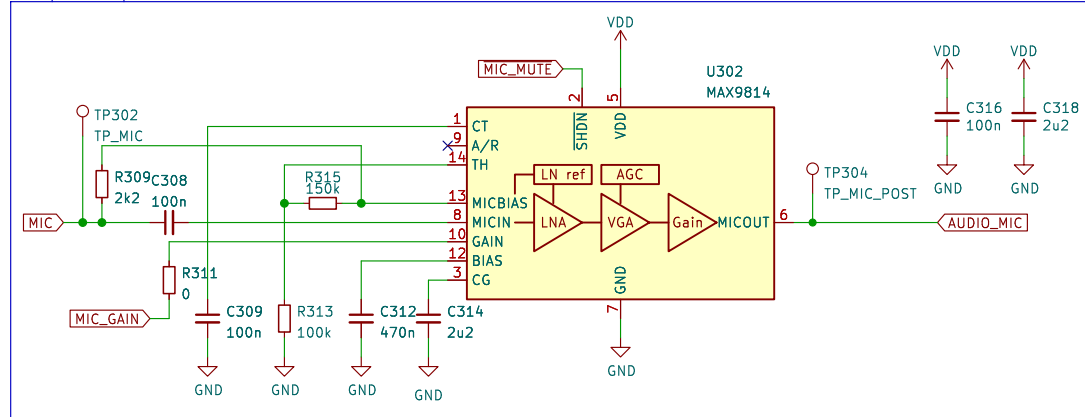
Rev: Rev 1.0

Id: 2/5

Audio output filter and amplifier



Microphone amplifier



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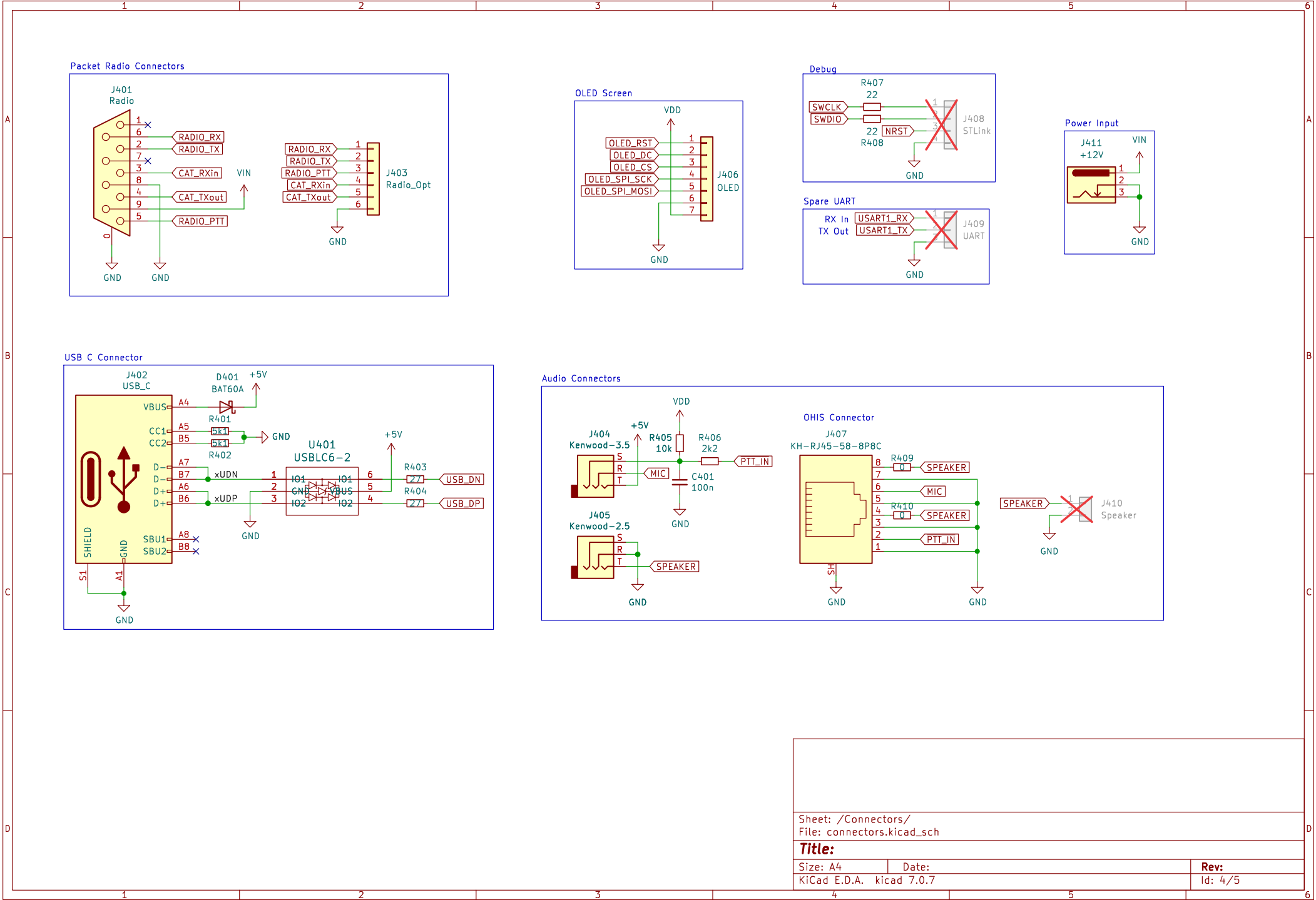
M17Project

Sheet: /Audio & Filter/
File: Audio.kicad_sch

Title: Module17

Size: A4 Date: 2023-07-18
KiCad E.D.A. kicad 7.0.7

Rev: Rev 1.0
Id: 3/5



Debug

R407

22

SWCLK

R408

22

SWDIO

NRST

GND

1

2

3

J408
STLink

Spare UART

RX In

TX Out

USART1_RX

USART1_TX

GND

1

2

3

J409
UART

Power Input

J411

+12V

VIN

GND

1

2

3

USB C Connector

J402
USB_C

VBUS

CC1

CC2

D-

D+

D-

D+

D-

D+

SHIELD

S1

A1

GND

A4

B5

A7

B7

A6

B6

A8

B8

D401

BAT60A

+5V

R401

5k1

R402

5k1

GND

U401

USBC6-2

IO1

IO2

IO1

IO2

VBUS

GND

+5V

R403

27

R404

27

USB_DN

USB_DP

Audio Connectors

J404
Kenwood-3.5

S

R

T

+5V

R405

10k

MIC

GND

J405
Kenwood-2.5

S

R

T

GND

SPEAKER

OHIS Connector

J407
KH-RJ45-58-8P8C

8

7

6

5

4

3

2

1

R409

0

SPEAKER

R410

0

SPEAKER

PTT_IN

GND

SPEAKER

J410
Speaker

Sheet: /Connectors/
File: connectors.kicad_sch

Title:

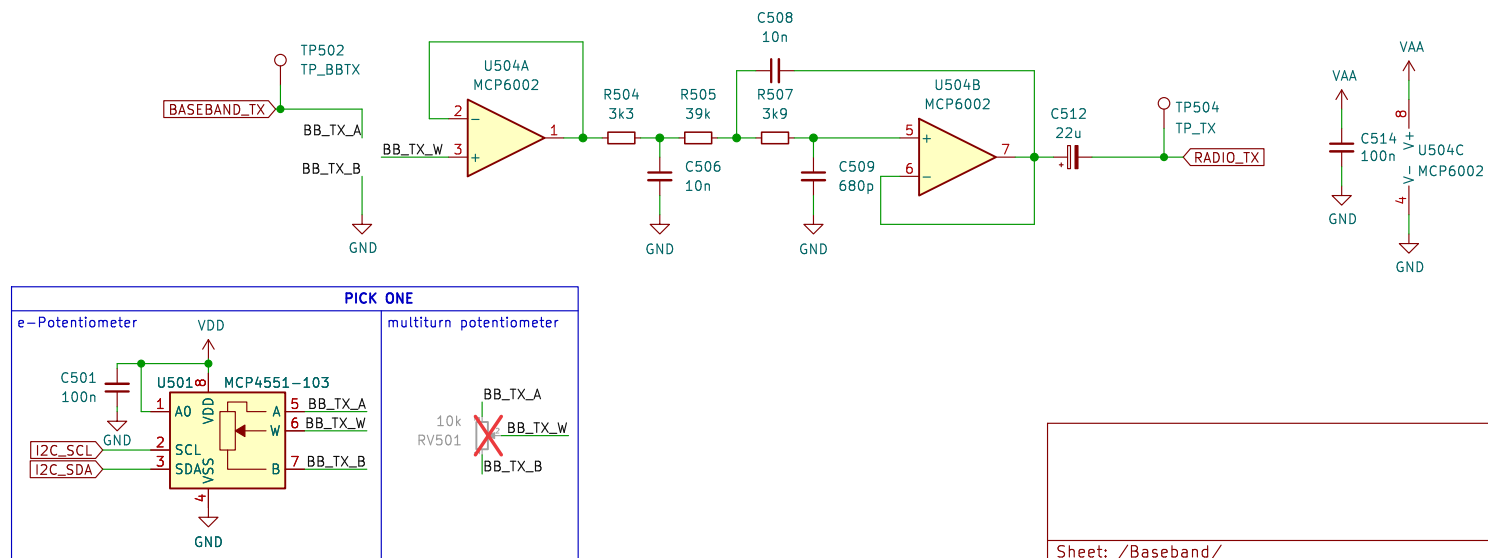
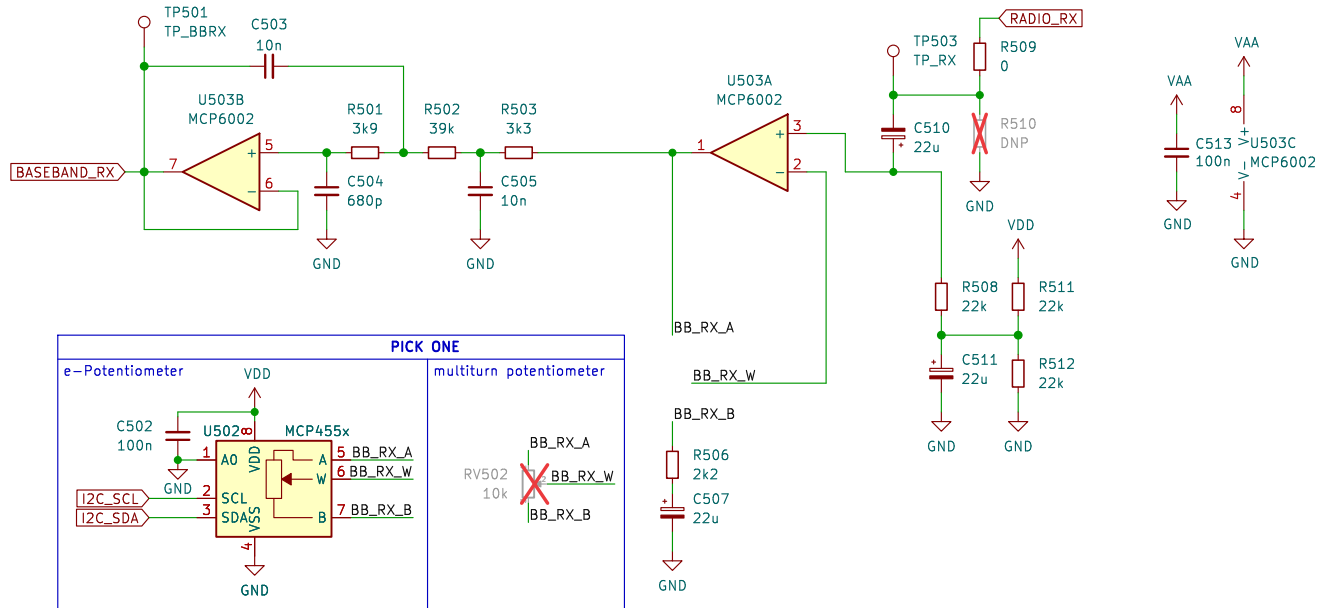
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Date:

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Rev:

Id: 4/5



Sheet: /Baseband/
File: baseband.kicad_sch

Title:

Size: A4
KiCad E.D.A. kicad 7.0.7

Date:

Rev:
Id: 5/5