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M17Project

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

Title: Module17

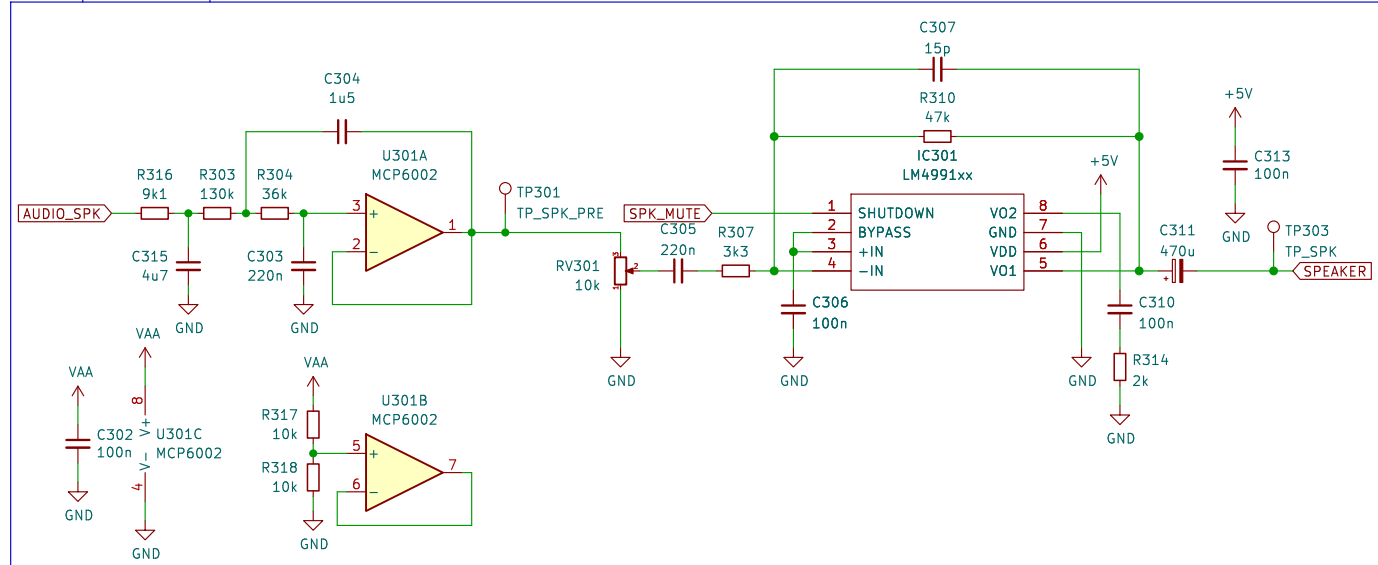
Size: A4 Date: 2023-07-18

KiCad E.D.A. kicad 7.0.7

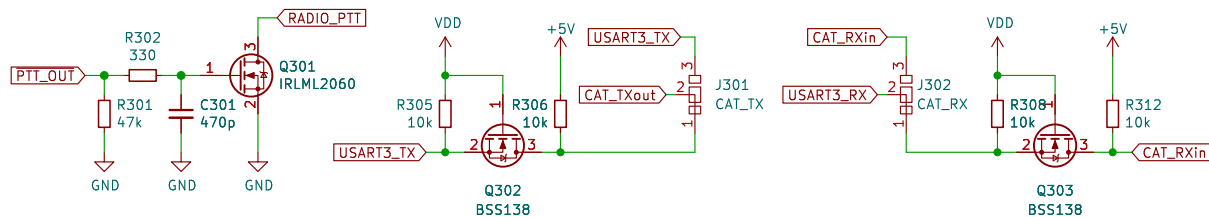
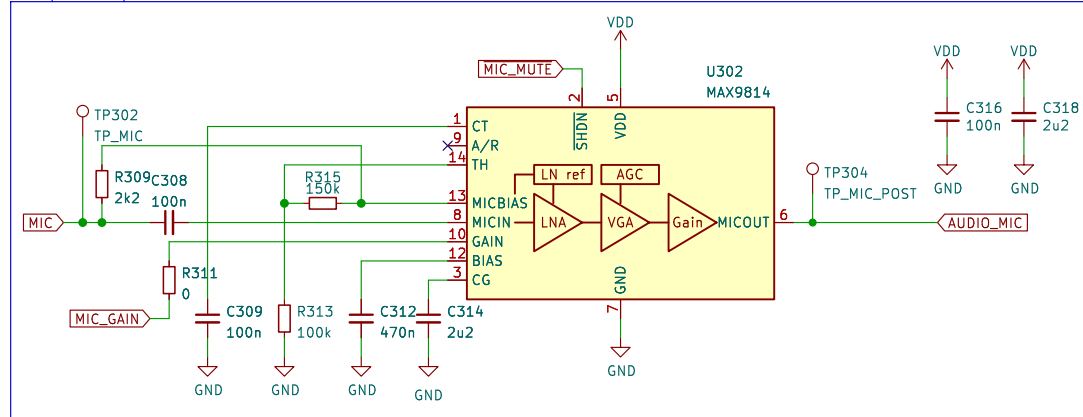
Rev: Rev 1.0

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Audio output filter and amplifier



Microphone amplifier



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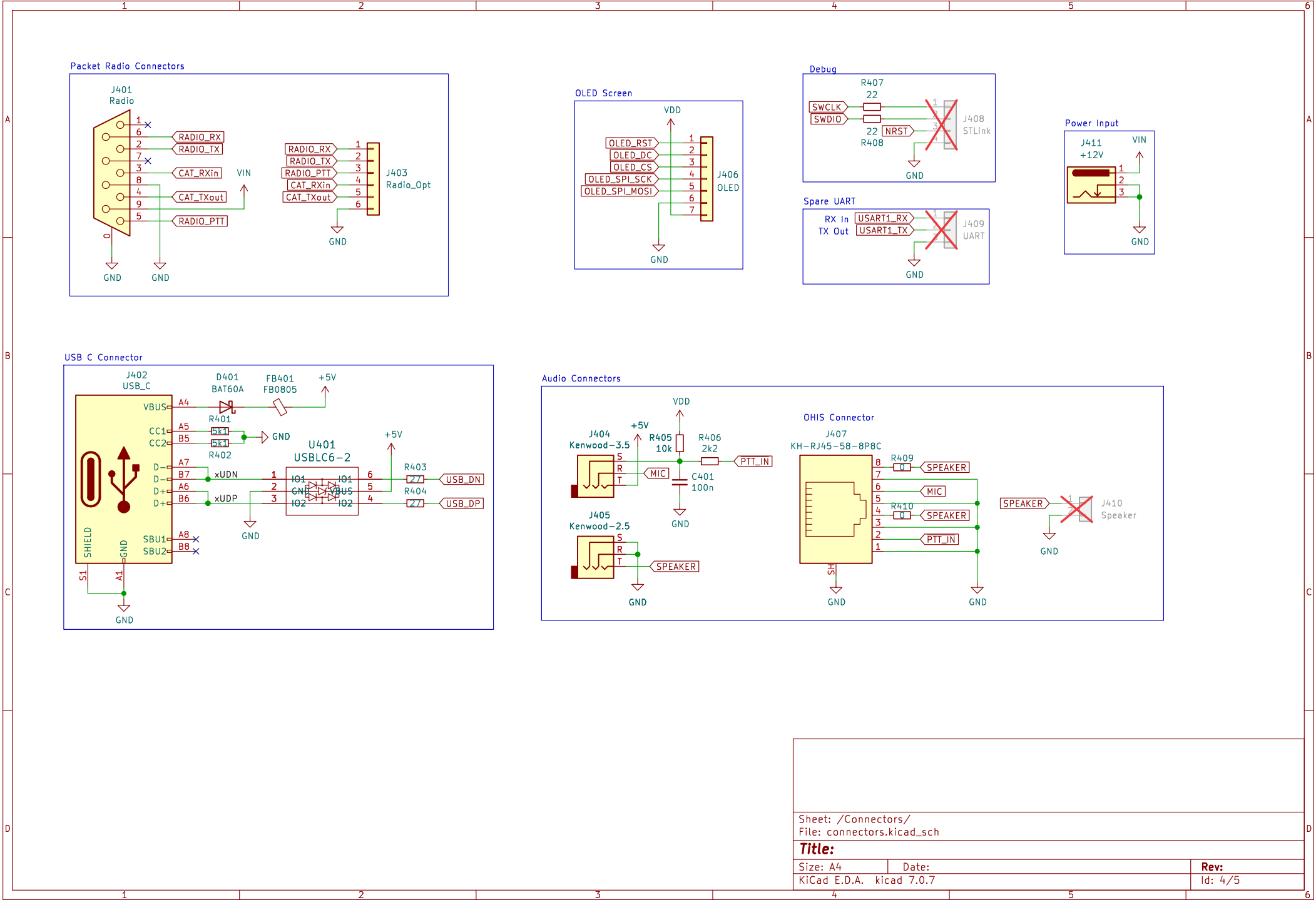
M17Project

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



Spare UART

1

2

3

RX In

TX Out

GND

J409
UART

Power Input

1

2

3

J411
+12V

VIN

GND

USB C Connector

J402
USB_C

A4

A5

B5

A7

B7

A6

B6

A8

B8

VBUS

CC1

CC2

D-

D+

D+

D+

SBU1

SBU2

D401
BAT60A

FB401
FB0805

R401

R402

U401
USBLC6-2

R403

R404

S1

A1

+5V

GND

+5V

GND

GND

GND

GND

GND

GND

IO1

IO2

IO1

IO2

IO1

IO2

IO1

IO2

IO1

IO2

xUDN

xUDP

USB_DN

USB_DP

Audio Connectors

J404
Kenwood-3.5

S

R

T

+5V

GND

J405
Kenwood-2.5

S

R

T

GND

OHIS Connector

J407
KH-RJ45-58-8P8C

8

7

6

5

4

3

2

1

R409

R410

SPEAKER

MIC

SPEAKER

PTT_IN

GND

GND

GND

J410
Speaker

Sheet: /Connectors/
File: connectors.kicad_sch

Title:

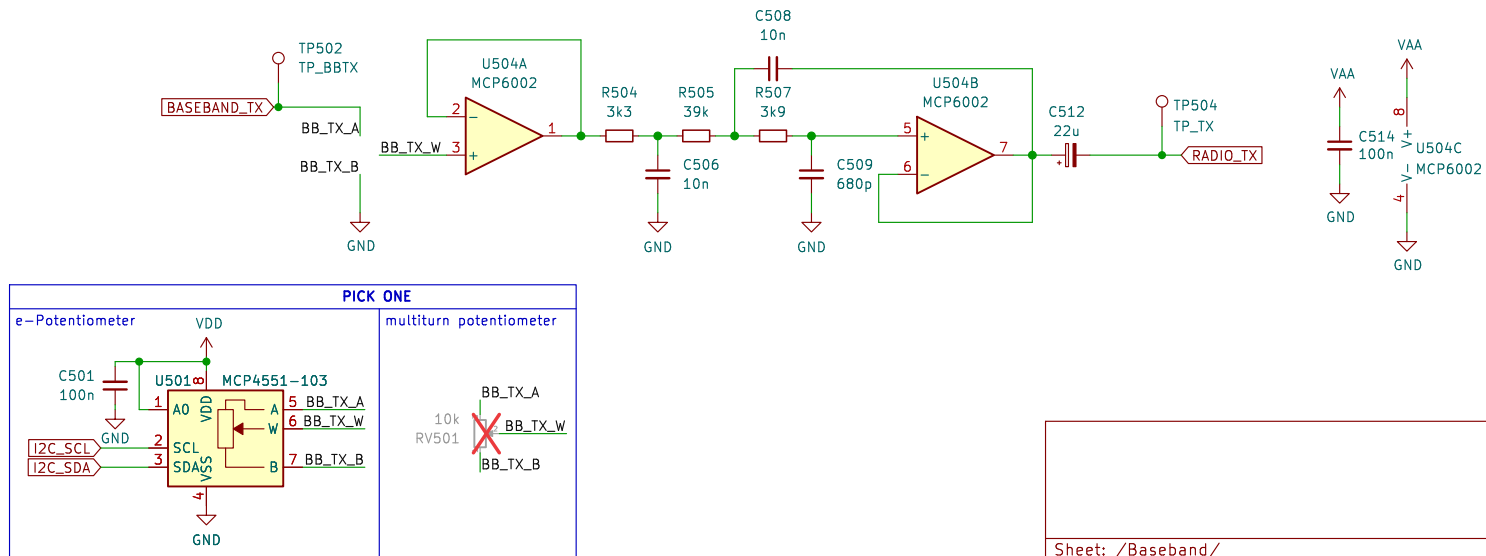
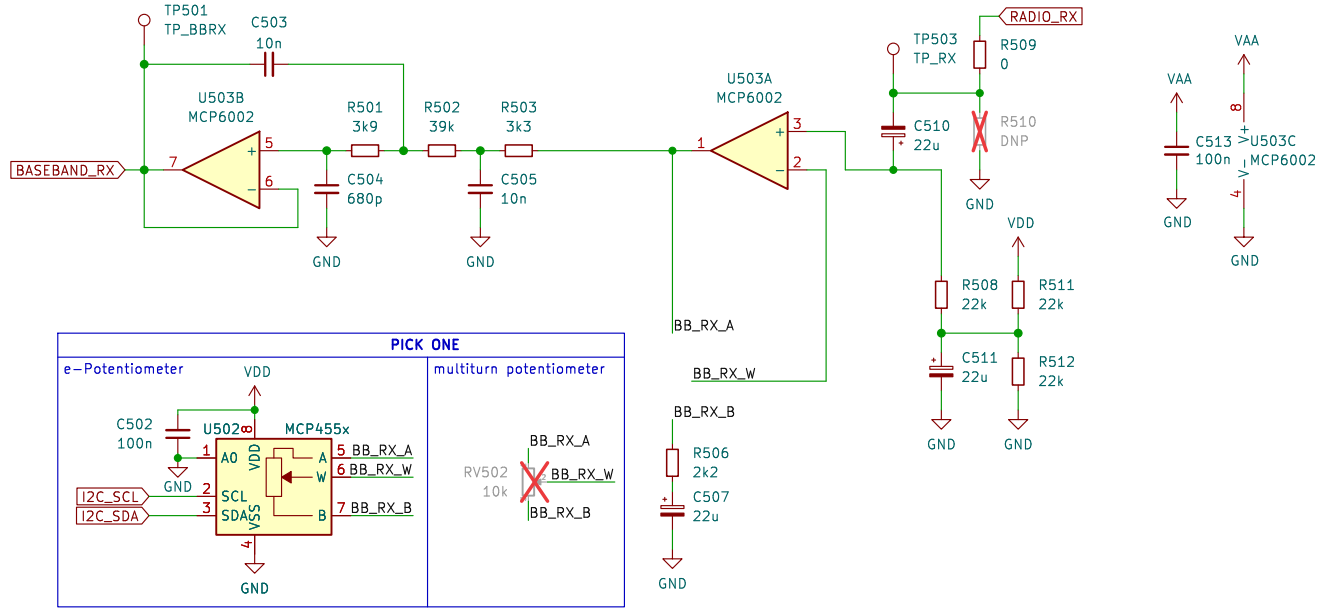
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Date:

KiCad E.D.A. kicad 7.0.7

Rev:

Id: 4/5



Sheet: /Baseband/
File: baseband.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad 7.0.7

Rev:

Id: 5/5