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**M17Project**

Sheet: /MCU & Power/  
File: mcu\_power.kicad\_sch

### Title: Module17

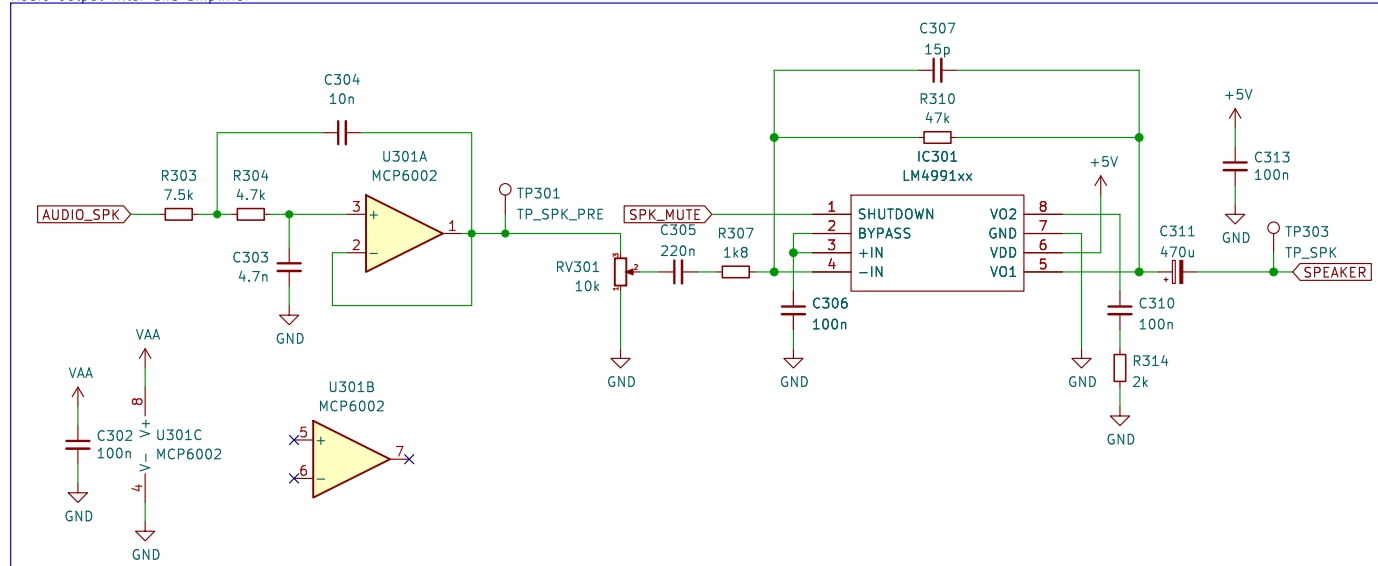
Size: A4 Date: 2023-07-18

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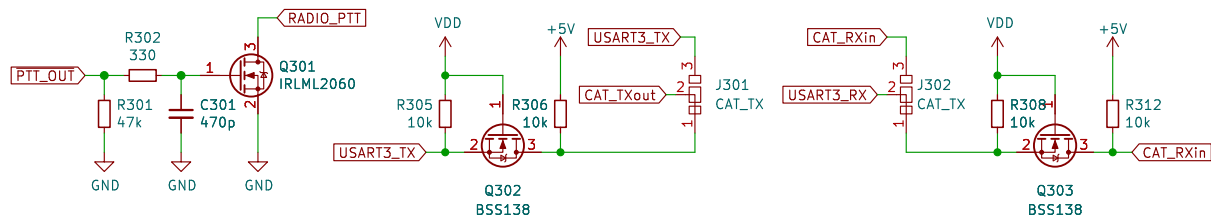
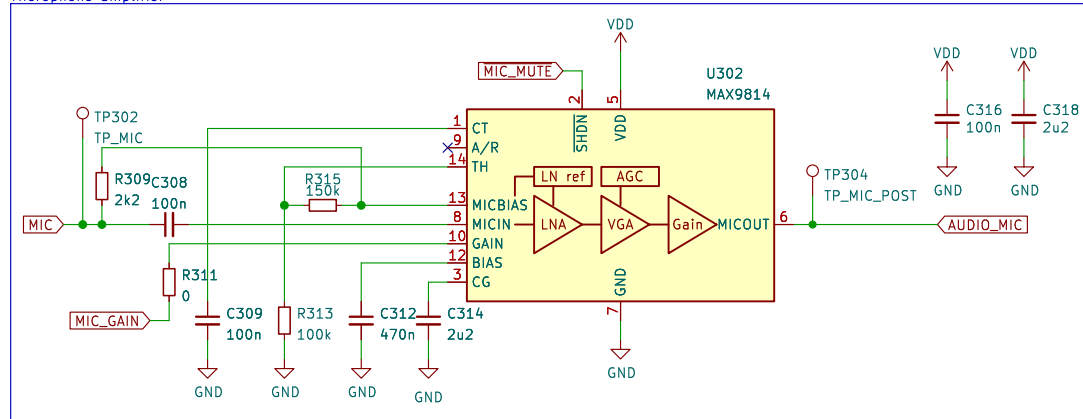
Rev: Rev 1.0

Id: 2/5

Audio output filter and amplifier



Microphone amplifier



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**M17Project**

Sheet: /Audio & Filter/  
File: Audio.kicad\_sch

**Title: Module17**

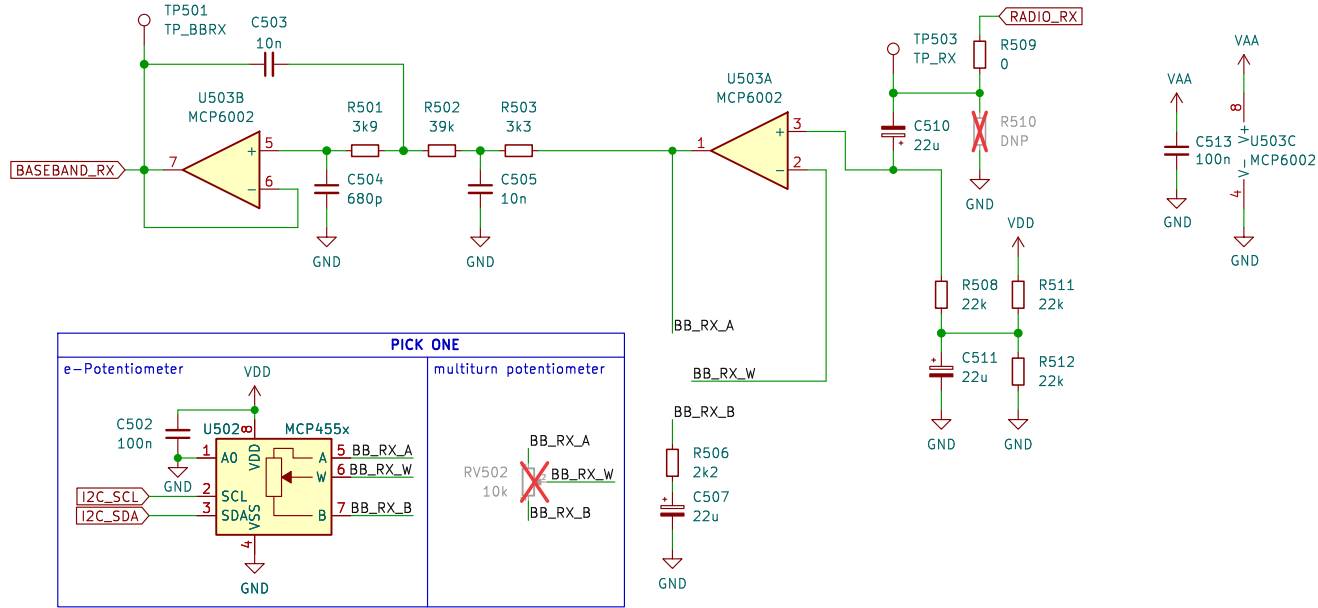
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The schematic diagram illustrates the OHIS Connector connections. It includes the following components and connections:

- J404 Kenwood-3.5**: A 3.5mm audio jack with pins S, R, and T. The S pin is connected to +5V. The R pin is connected to a 10k resistor (R405) to VDD and a 100nF capacitor (C401) to GND. The T pin is connected to a MIC input.
- J405 Kenwood-2.5**: A 2.5mm audio jack with pins S, R, and T. The R pin is connected to a SPEAKER output. The T pin is connected to GND.
- OHIS Connector J407 KH-RJ45-58-8P8C**: An 8-pin connector with pins 1 through 8. Pin 8 is connected to a 0 ohm resistor (R409) and a SPEAKER output. Pin 7 is connected to a MIC input. Pin 6 is connected to a MIC input. Pin 5 is connected to a MIC input. Pin 4 is connected to a 0 ohm resistor (R410) and a SPEAKER output. Pin 3 is connected to a PTT\_IN input. Pin 2 is connected to a PTT\_IN input. Pin 1 is connected to a PTT\_IN input. The HS pin is connected to GND.
- J410 Speaker**: A speaker output connected to a SPEAKER input, which is also connected to GND.

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Sheet: /Baseband/  
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