

BOM

Power Supply

3.3V LDO voltage regulator:

<https://www.mouser.be/ProductDetail/Diodes-Incorporated/AP7365-33YG-13?qs=abZ1nkZpTuOMWfgz6BLgPQ%3D%3D>

2.5V LDO voltage regulator (Not used):

<https://www.mouser.be/ProductDetail/Diodes-Incorporated/AP7365-25YG-13?qs=abZ1nkZpTuOUTso75Vvnyg%3D%3D>

MCU

stm32 g431RB:

<https://www.mouser.be/ProductDetail/STMicroelectronics/STM32G431RBT3?qs=GedFDFLaBXGyvb87LV0VhQ%3D%3D>

STM32 F722RCT6:

<https://www.mouser.be/ProductDetail/STMicroelectronics/STM32F722RCT6?qs=Mv7BduZupUiR0Y60TnwX8g%3D%3D>

Audio Filtering

Audio op-amp

<https://www.mouser.be/ProductDetail/Texas-Instruments/LM833DGKR?qs=Ze4%2FuFuz19JOpjm8ASDMUA%3D%3D> (Footprint not downloaded yet)

Audio codec

Miscellaneous

- Weerstandensmd 0805
- Caps smd 0805
- Shift registers
- Ledjes THT en SMD
- Micro usb-b female connector
- Feritte bead

- Jumper cables
- St link programmer
- Male headers
- Audio female jacks
- Pot meters
- Toggles
- SPDT
- Eigen PCB