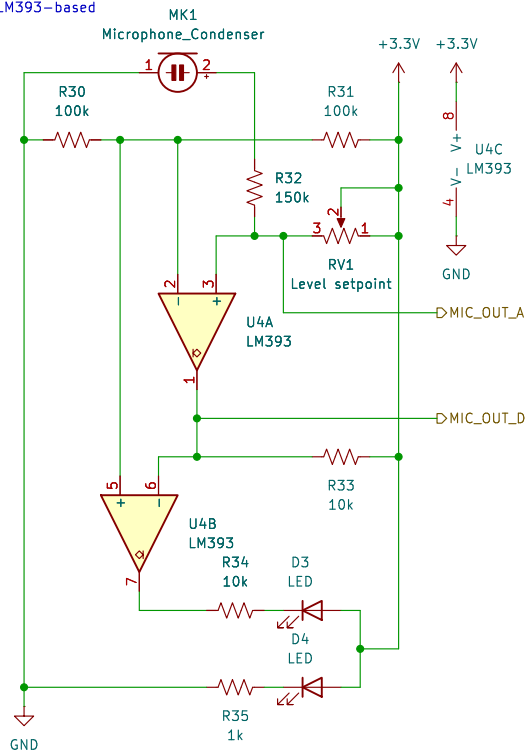
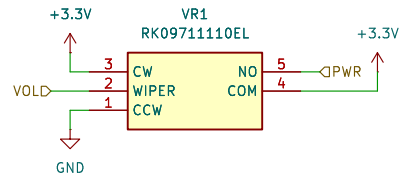


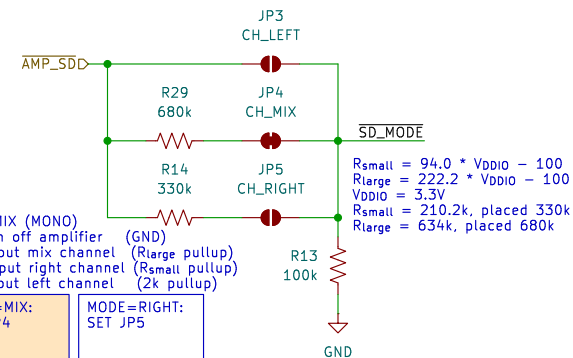
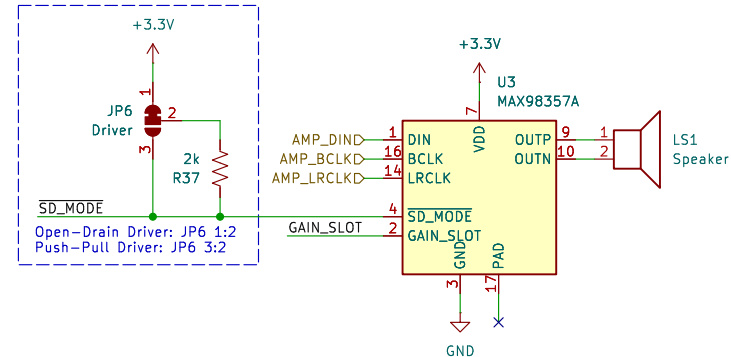
# Microphone Module LM393-based



# Volume Control Also acts as PWR



# Digital Audio Amplifier over I2S0

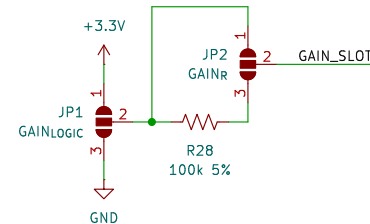


CHANNEL MODE SELECT: MIX (MONO)  
SD < 0.16V = Turn off amplifier (GND)  
SD 0.16V to 0.77V = Output mix channel (Rlarge pullup)  
SD < 0.16V = Output right channel (Rsmall pullup)  
SD > 1.4V = Output left channel (2k pullup)

MODE=LEFT: SET JP3  
MODE=MIX: SET JP4  
MODE=RIGHT: SET JP5

# GAIN SLOT SELECT: GAIN=9dB

GAIN=15dB: GAINLOGIC = LOW GAINR = 100k JP1 3:2, JP2 3:2  
GAIN=12dB: GAINLOGIC = LOW GAINR = 0R JP1 3:2, JP2 1:2  
GAIN=9dB: GAINLOGIC = NC GAINR = 0R JP1 NC, JP2 NC  
GAIN=6dB: GAINLOGIC = HIGH GAINR = 0R JP1 1:2, JP2 1:2  
GAIN=3dB: GAINLOGIC = HIGH GAINR = 100k JP1 1:2, JP2 3:2



# Received Audio Digitizer AF: RX audio from radio module

AF-  
AF+

Sheet: /Audio Subsystem/  
File: audio\_subsystem.kicad\_sch

# Title:

Size: A4  
KiCad E.D.A. 8.0.7

Date:

Rev:

Id: 5/6

