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File: keypad.kicad\_sch

**Title:**

Size: A4

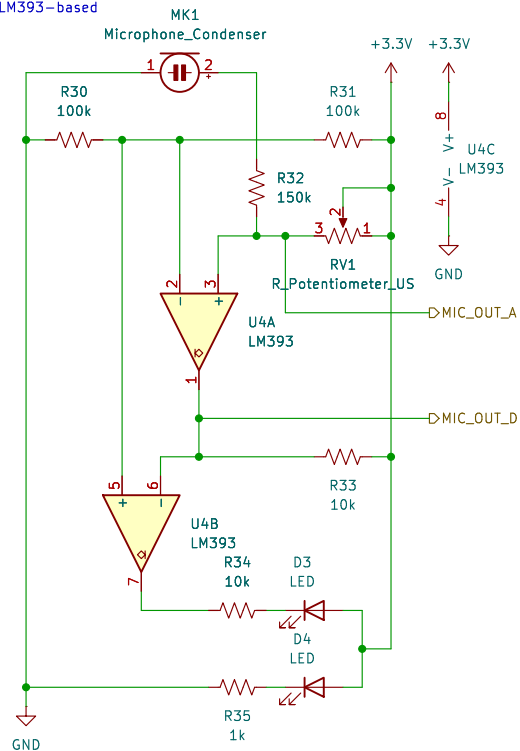
Date:

KiCad E.D.A. 8.0.7

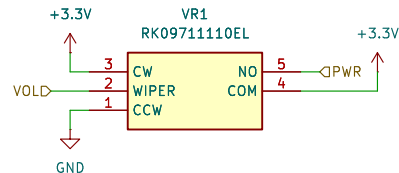
**Rev:**

Id: 4/6

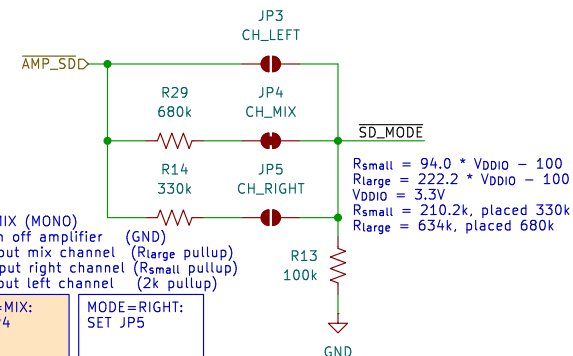
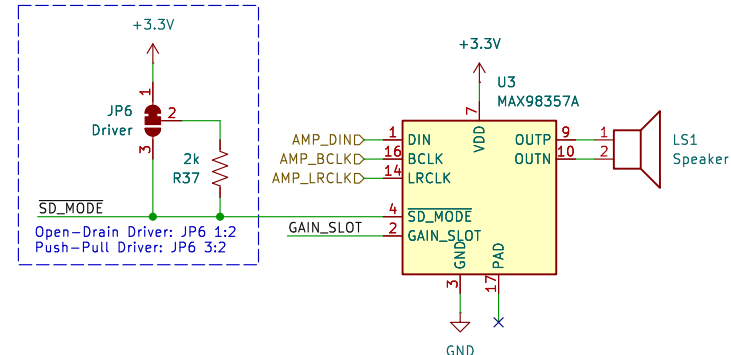
# Microphone Module LM393-based



# Volume Control Also acts as PWR

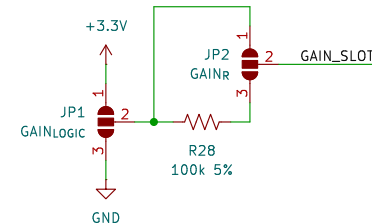


# Digital Audio Amplifier over I2S0



# 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
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# Received Audio Digitizer AF: RX audio from radio module

AF-☒

AF+☒

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

# Title:

Size: A4  
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Date:

Rev:

Id: 5/6

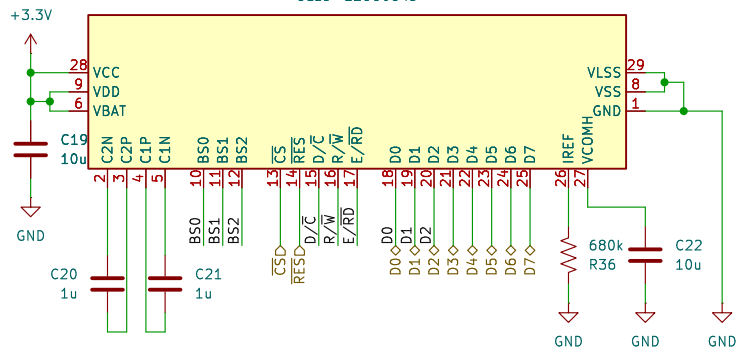
# Display Module

## SH1106-based OLED Display

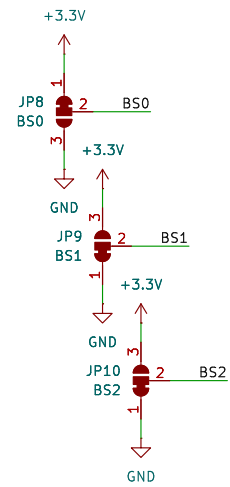
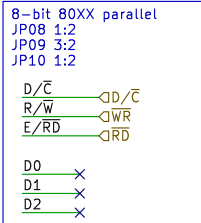
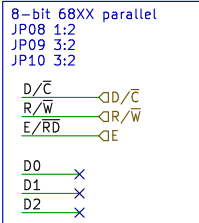
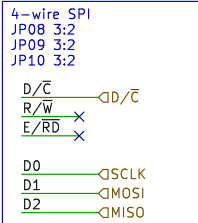
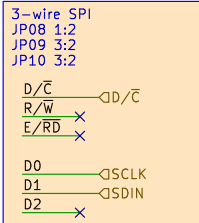
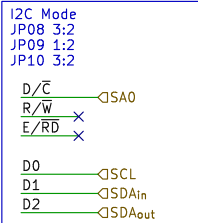
DS1  
OLED-1280064D

# BEHAVIOR SELECT JUMPERS

## Default is 3-wire SPI



### BEHAVIOR SELECT: Serial Mode



Sheet: /Display/  
File: display.kicad\_sch

### Title:

Size: A4

Date:

KiCad E.D.A. 8.0.7

Rev:

Id: 6/6