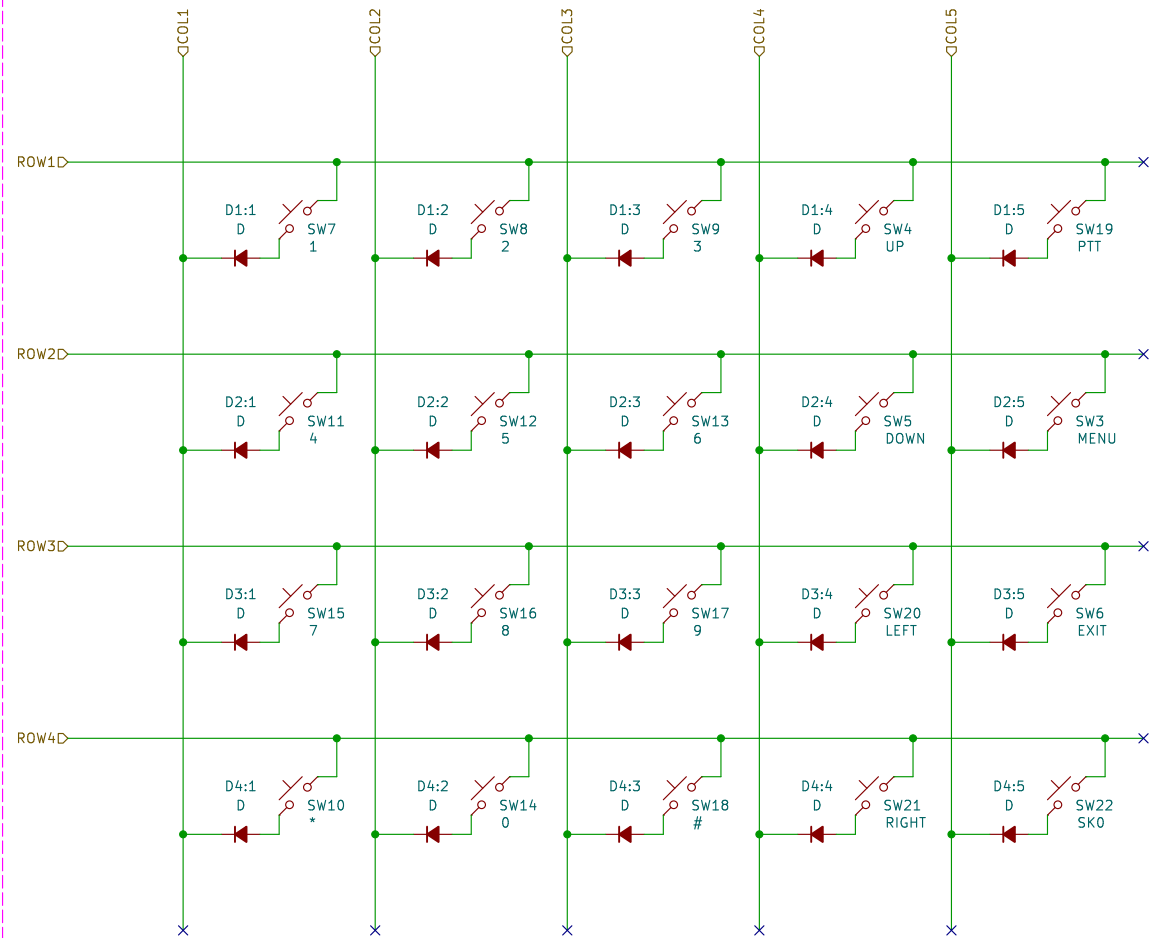


Keypad Matrix
Application Note: The ROW pins get pulled up by the GPIO expander, with one ROW being pulled down.
The scanner relies on the COL pins being read in as a logic swing to low.
Remarked as Domino Logic, a rail-to-rail logic swing occurs.



Sheet: /Keypad/
File: keypad.kicad_sch

Title:

Size: A4

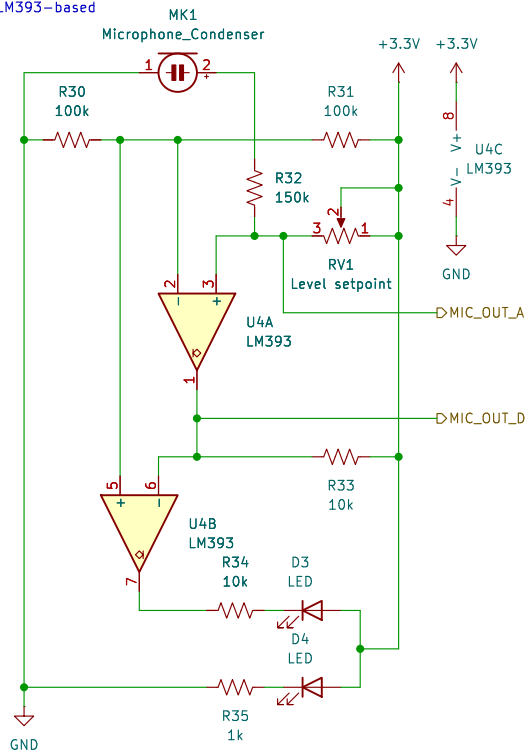
Date:

KiCad E.D.A. 8.0.7

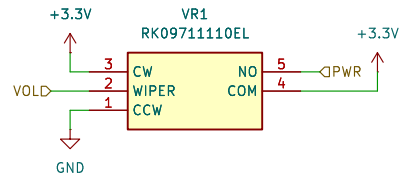
Rev:

Id: 4/6

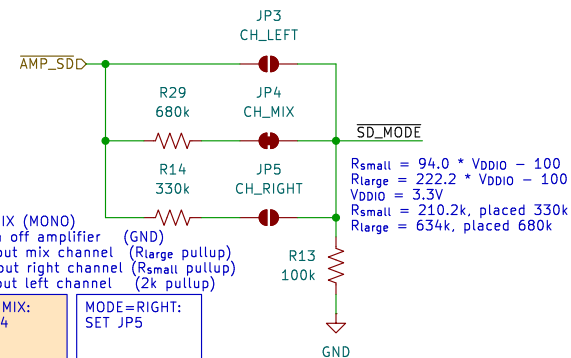
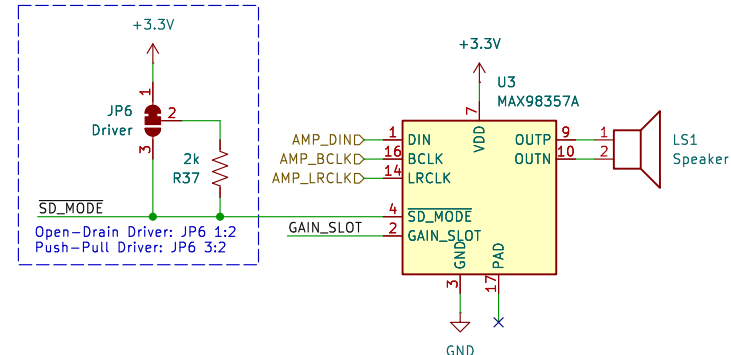
Microphone Module LM393-based



Volume Control Also acts as PWR

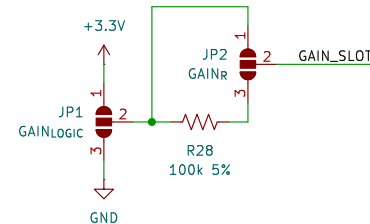


Digital Audio Amplifier over I2S0



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
-------------------------------------------------------------------	-----------------------------------------------------------------	-------------------------------------------------------------	-----------------------------------------------------------------	-------------------------------------------------------------------



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

