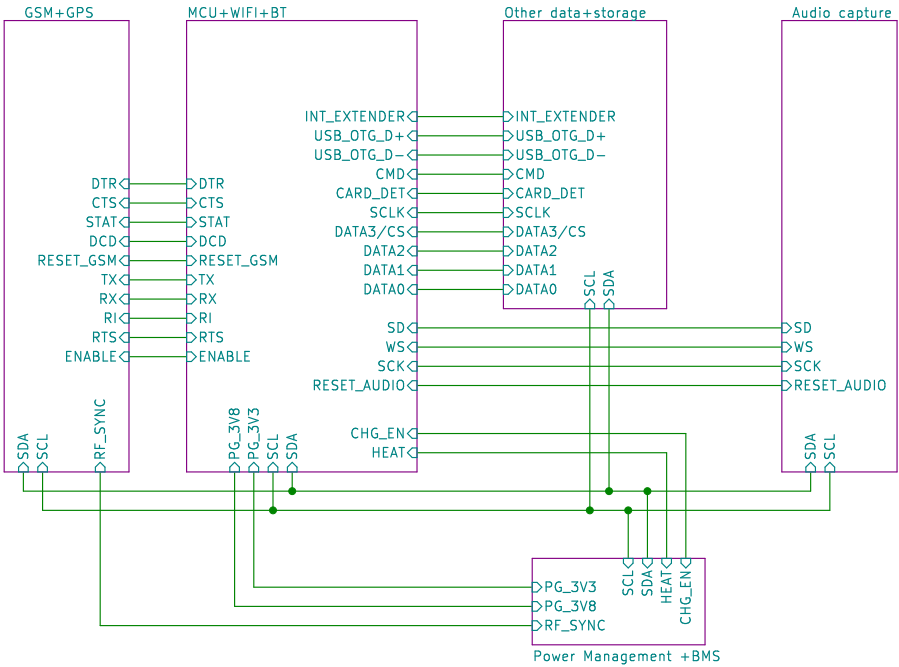
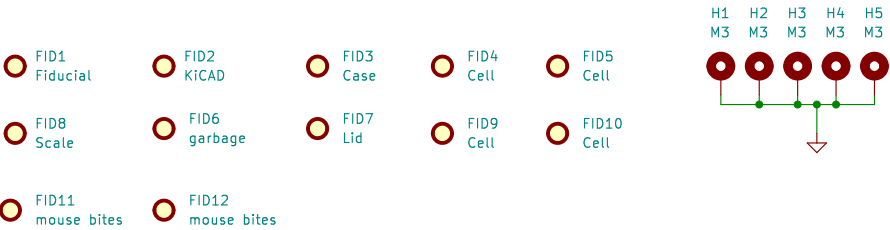


All SMD caps ceramic are 0603 16V X7R or better unless other notes are made
All SMD resistors are 0603
Stack up:
4 layer FR4 sig gnd gnd+sig sig
Delata(T) aimed for is 20C or less

I2C ADRESSES	
BME280	0x76
TLV320ADC3100	0x30
TCA9554A	0x21
INA3221	0x40
TCA9545APWR	0x20
MAX11601	0x64
MMA8452	= 0x1C



CASE+ GRAPHICS + MECHANICAL



Layout by: Kecs Robert Alfred
Verified by: Kecs Robert Alfred
Designed by: Kecs Robert Alfred

Sheet: /
File: Bird_detector_V1.kicad_sch

Title: Bird Detection and Recognition System

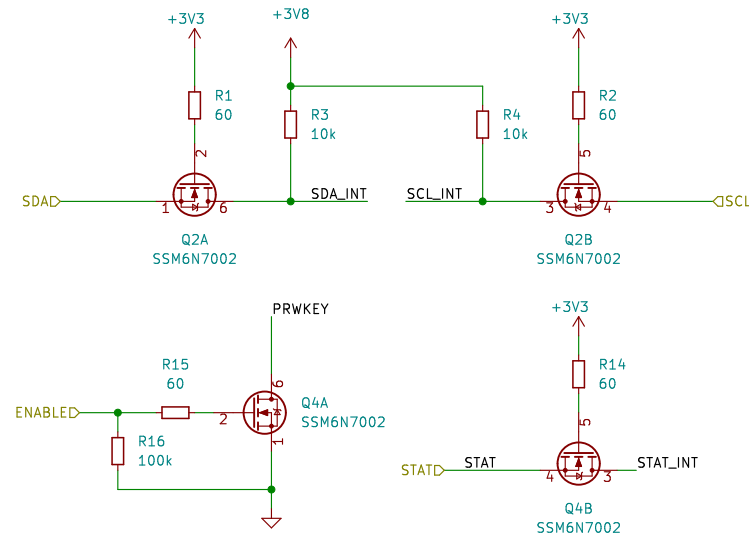
Size: A3 Date: 2022-11-23

KiCad E.D.A. kicad (6.0.9)

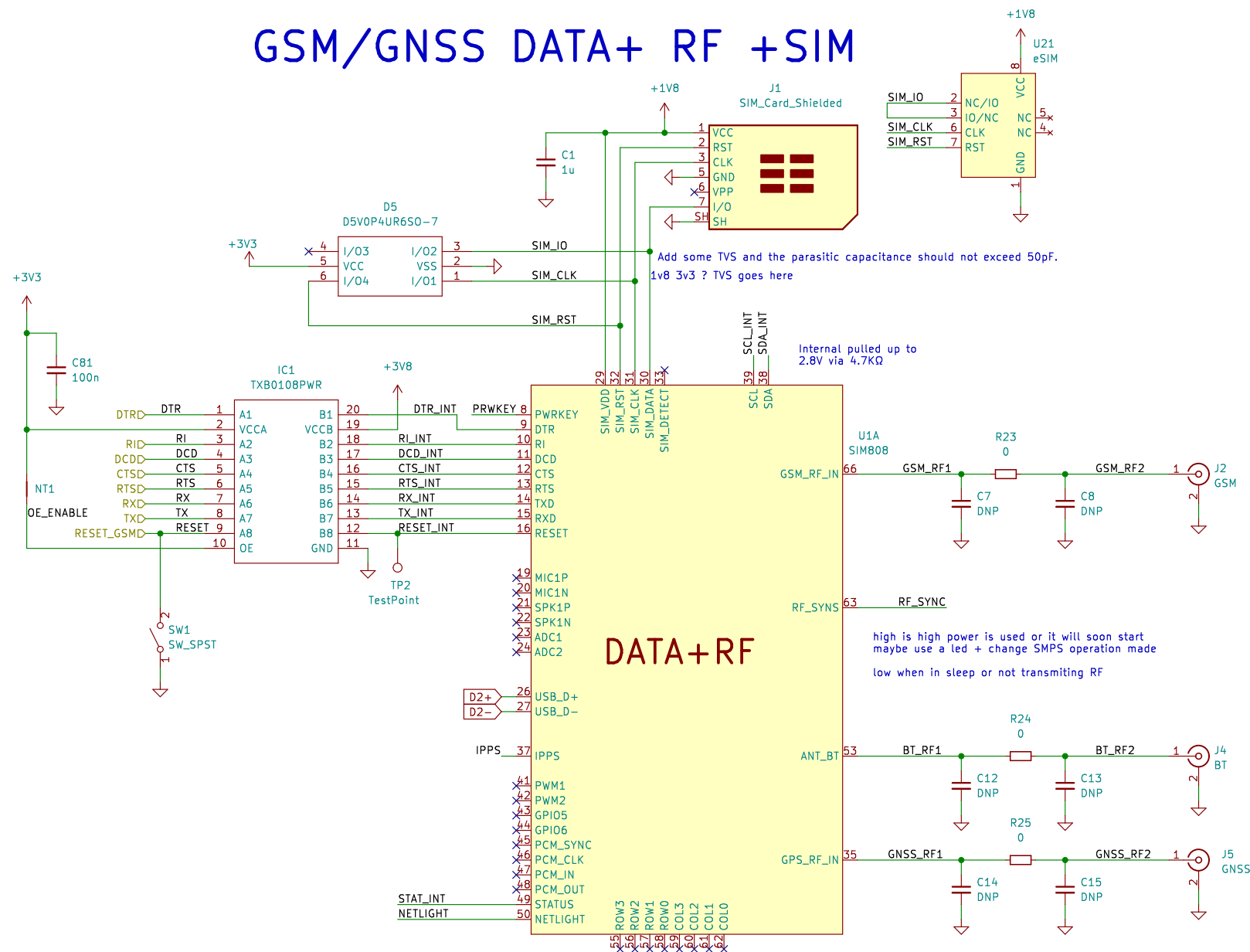
Rev: V0.1

Id: 1/8

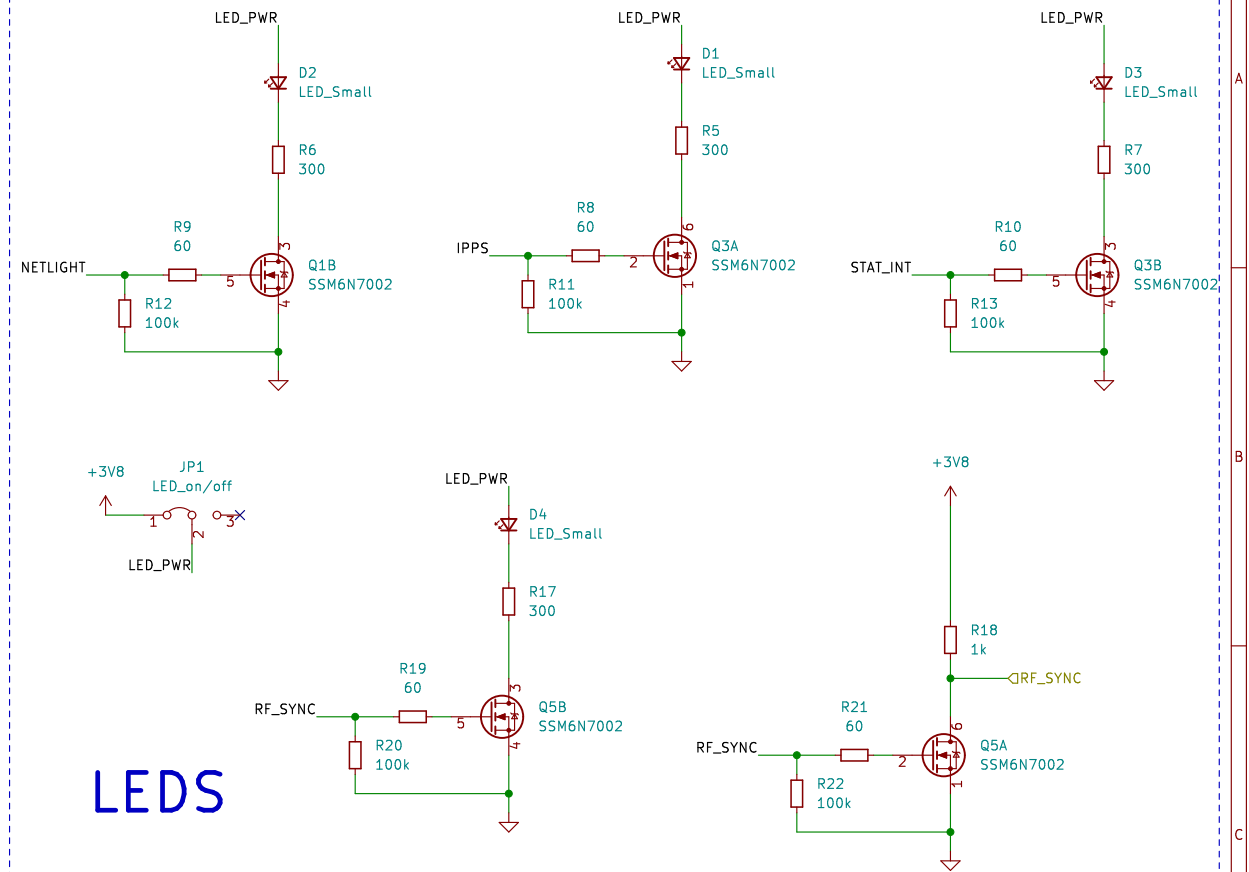
LEVEL SHIFTERS



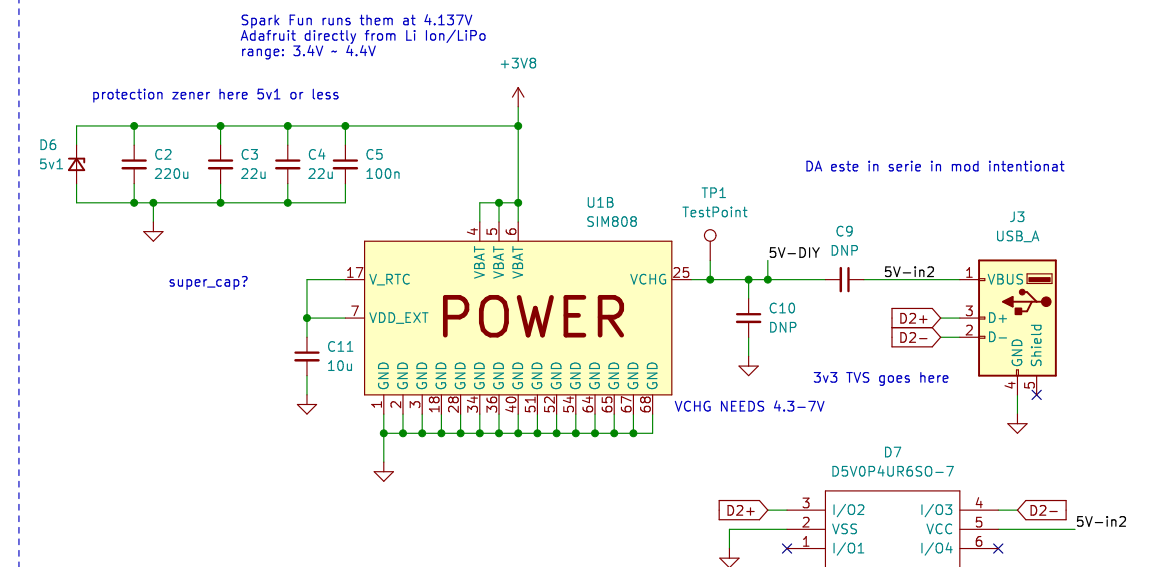
GSM/GNSS DATA+ RF +SIM



LEDS



GNNS/GSM POWER



Layout by: Kec Robert Alfred
Verified by: Kec Robert Alfred
Designed by: Kec Robert Alfred

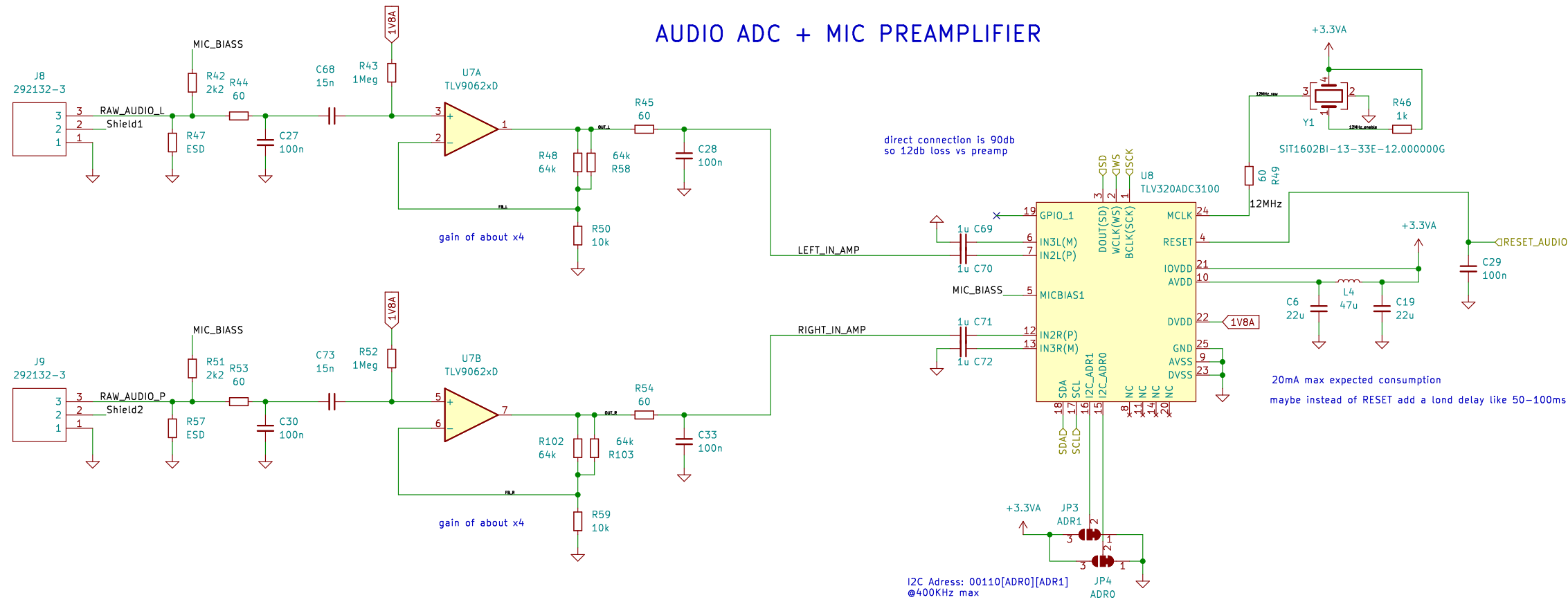
Sheet: /GSM+GPS/
File: RF.kicad_sch

Title: Bird Detection and Recognition System

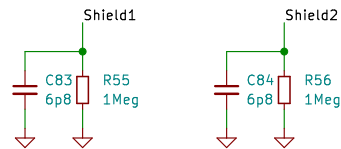
Size: A3 Date: 2022-11-23
KiCad E.D.A. kicad (6.0.9)

Rev: V0.1
Id: 2/8

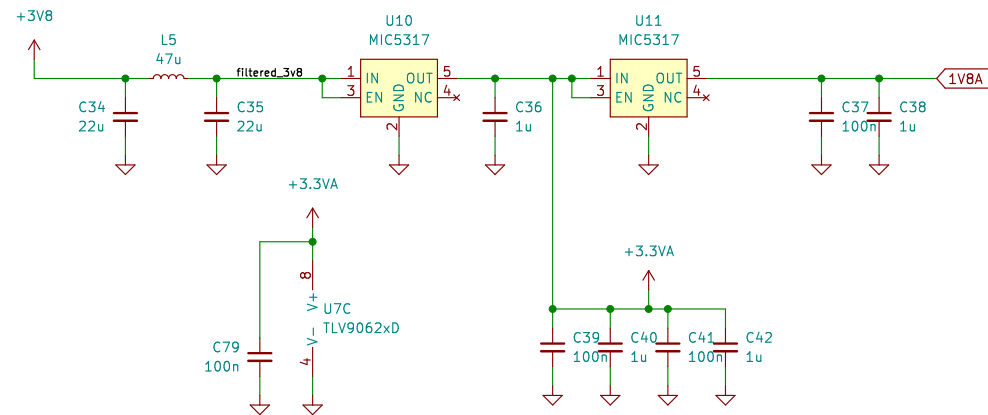
AUDIO ADC + MIC PREAMPLIFIER



Shield terminations



Power



Layout by: Kecs Robert Alfred
Verified by: Kecs Robert Alfred
Designed by: Kecs Robert Alfred

Sheet: /Audio capture/
File: Audio.kicad_sch

Title: Bird Detection and Recognition System

Size: A3 Date: 2022-11-23
KiCad E.D.A. kicad (6.0.9)

Rev: V0.1
Id: 4/8

