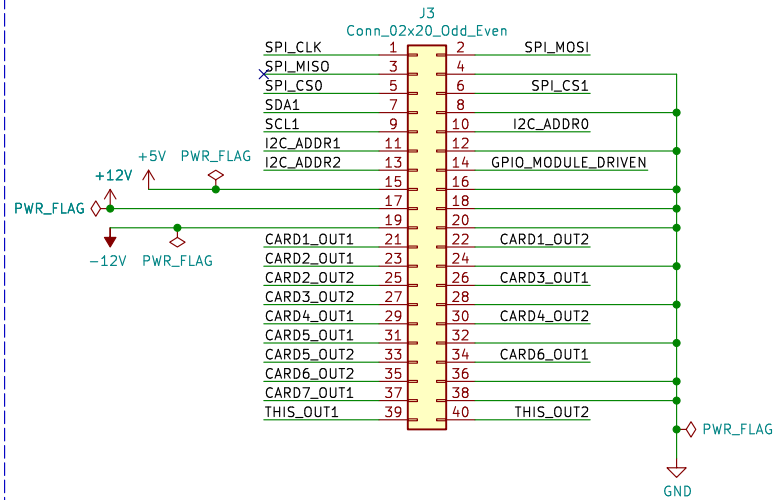
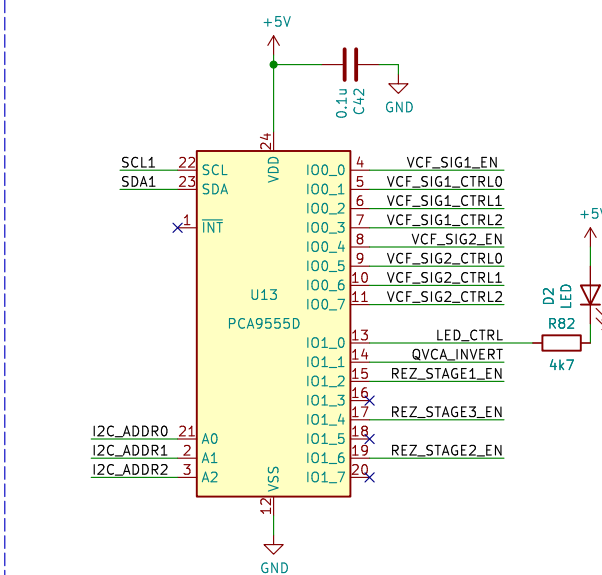


2x20 connection interface

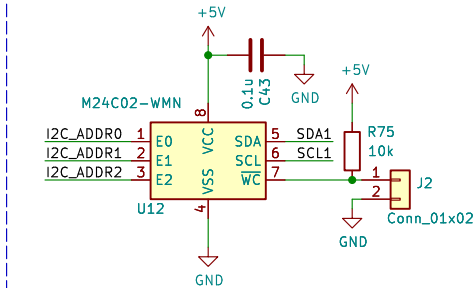


Interface: Zoxnoxious bus interface.
Digital on one side, power in the middle,
analog on the other.
This card will drive THIS_OUT1 and THIS_OUT2 and GPIO_MODULE_DRIVEN.
The other lines are tapped into for various functionality.

GPIO for switch control



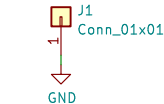
Board ID in EEPROM
I2C address 1010[addr2,addr1,addr0]
Write enable via jumper



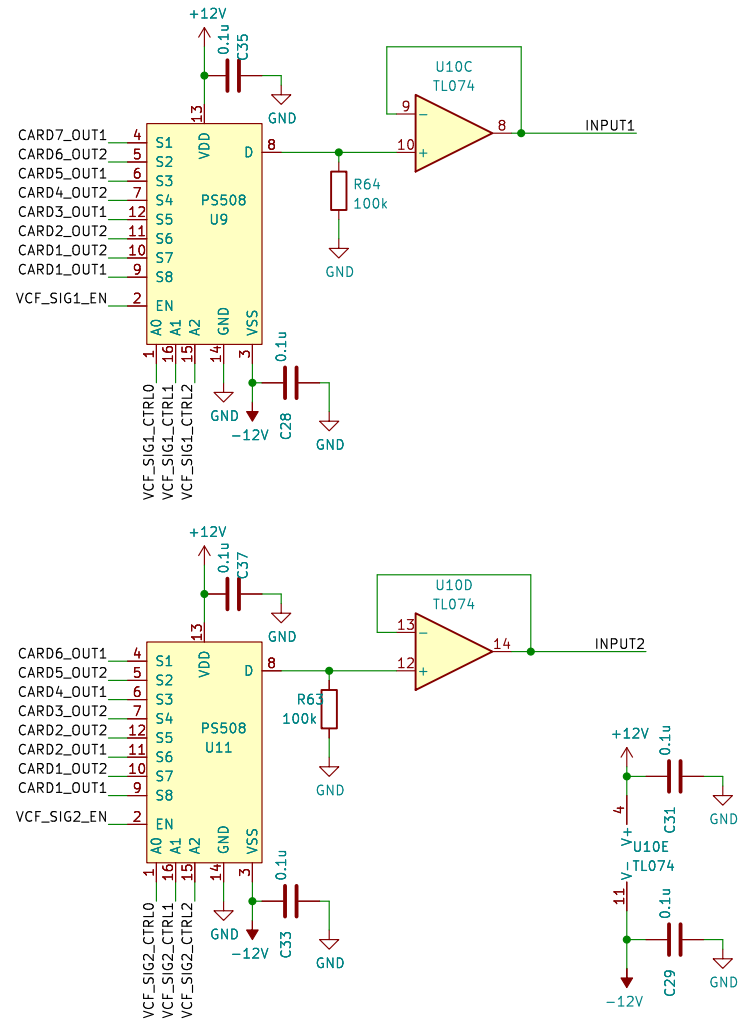
Mounting Holes



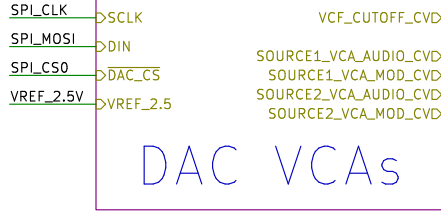
GND Test Point



Signal select --- output selected signal in-phase

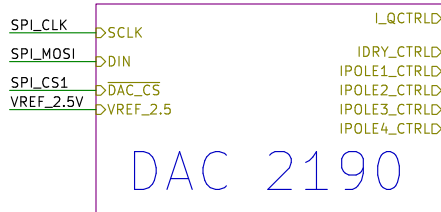


dac_2140



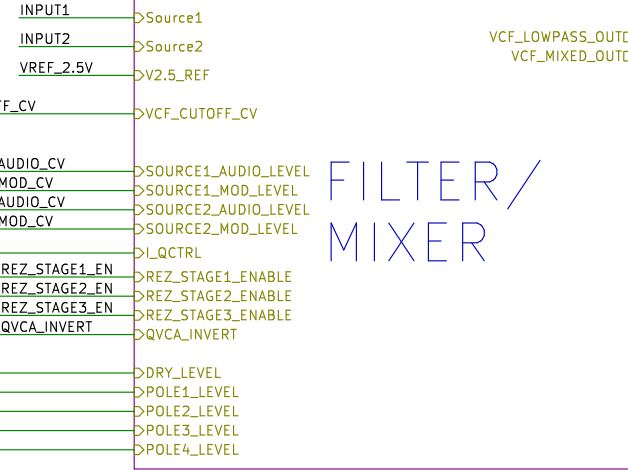
File: dac_2140.kicad_sch

dac_2190



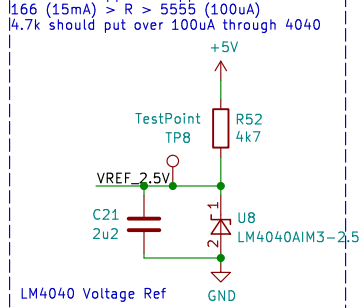
File: dac_2190.kicad_sch

filter_ssi2140

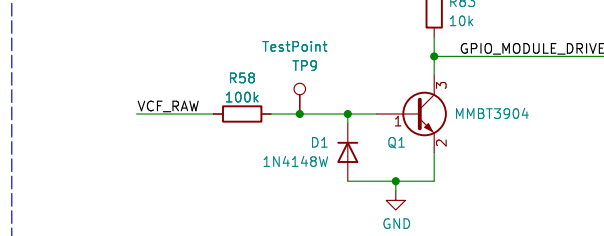


File: filter_ssi2140.kicad_sch

LM4040 Voltage Ref



GPIO MODULE DRIVEN:
Use switching transistor to provide a
0/+5V output for ucontroller. Diode to protect
base for case if input goes significantly negative.



Zoxnoxious Engineering

Sheet: /
File: poledancer.kicad_sch

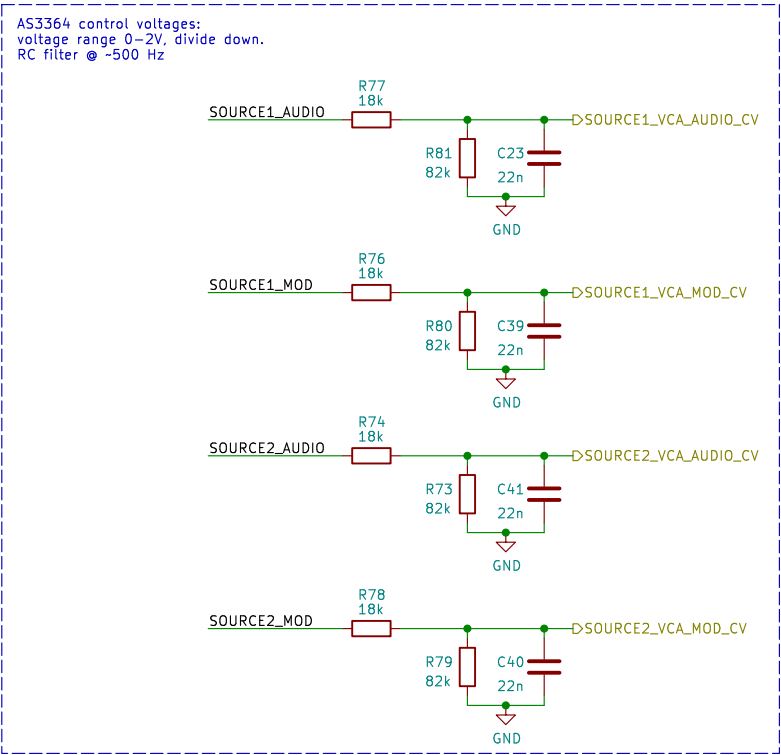
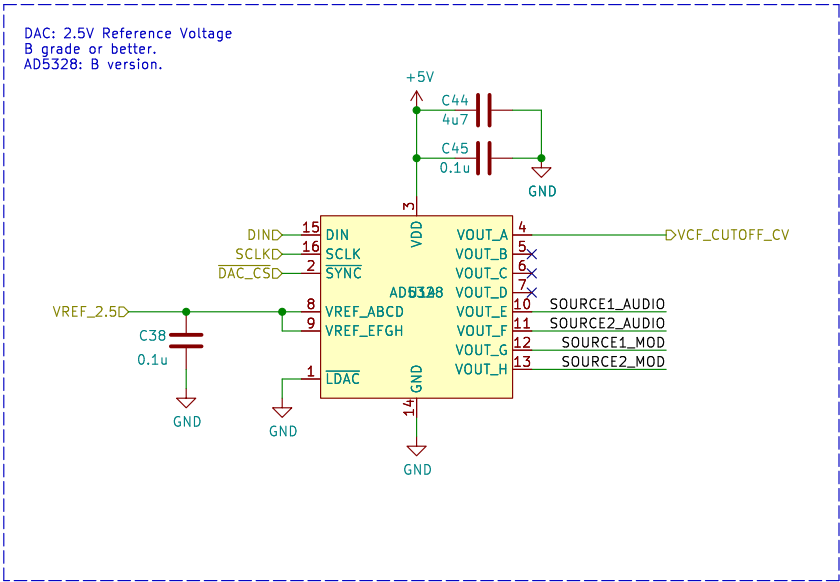
Title: Zoxnoxious Pole Dancer Mixing Filter

Size: B Date: 2024-11-17

KiCad E.D.A. kicad 7.0.11

Rev: 0.1

Id: 1/4



Sheet Vref load: 45k || 45k ==> 22.5k

Zoxnoxious Engineering

Sheet: /dac_2140/
File: dac_2140.kicad_sch

Title: Zoxnoxious Pole Dancer Mixing Filter

Size: B	Date: 2024-11-17	Rev: 0.1
KiCad E.D.A. kicad 7.0.11		Id: 2/4

