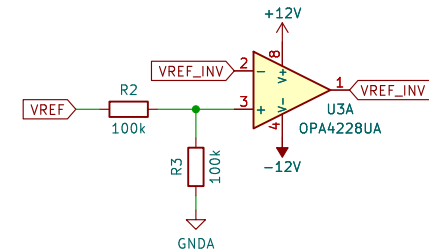
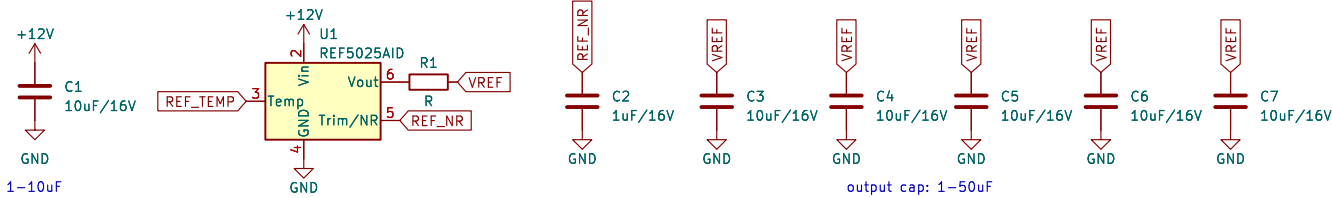
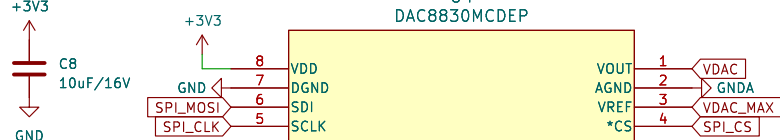


USAR LDO 12V -> 3V3 PARA ALIMENTAR DAC, MCU

### 3V0 REFERENCE CIRCUIT

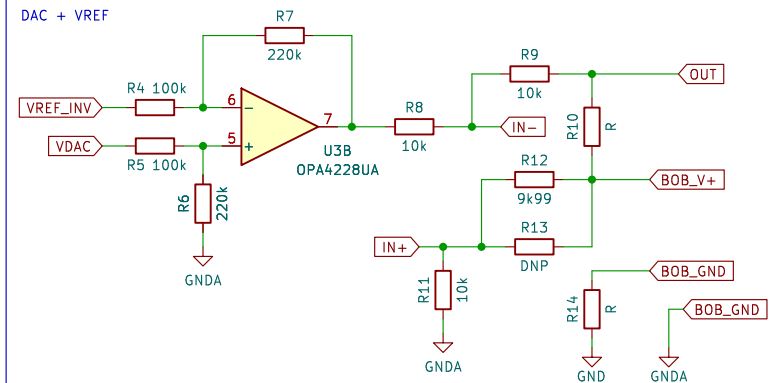


DAC

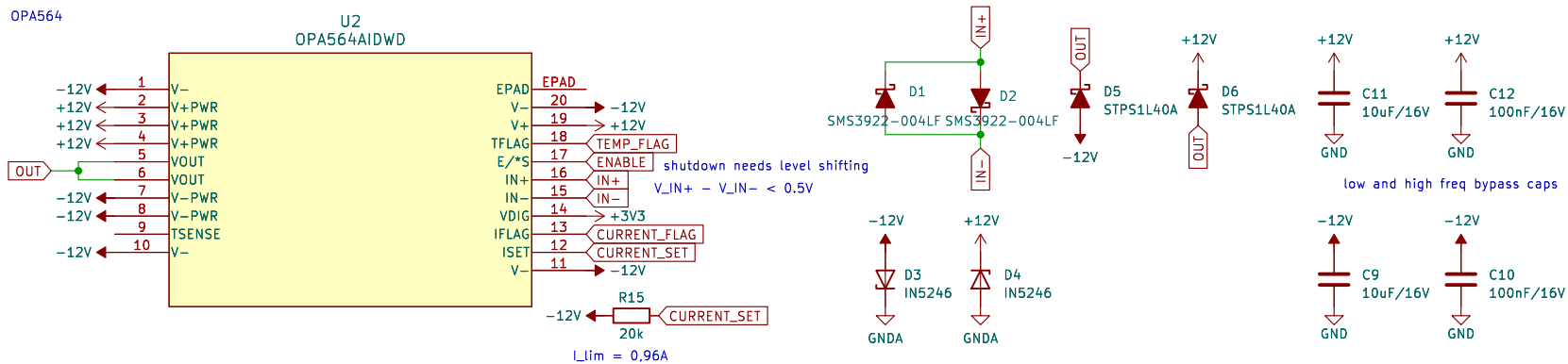


<https://e2e.ti.com/support/isolation-group/isolation/f/isolation-forum/806088/iso7741-separating-gnd-using-the-isolation-solution>

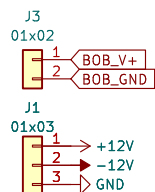
## DAC + VREF



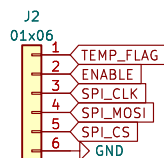
## OPA564



## INPUT HEADERS

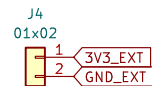


## DATA HEADER



## 3V3 HEADER

external 3v3 source



+3V3 ← 3V3\_EXT  
GND ← GND\_EXT

Sheet: /  
File: howland-current-source.kicad\_sch

**Title:**

Size: A4	Date:
KiCad E.D.A. kicad 7.0.1-3b83917a11~172-ubuntu22.04.1	

Rev:  
Id: 1/1