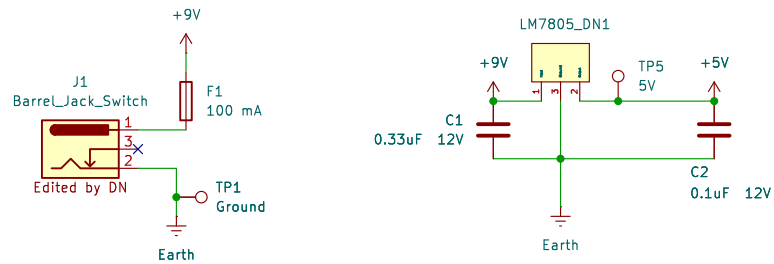
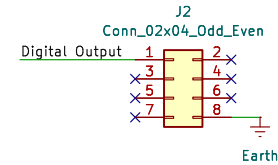


## Power Input

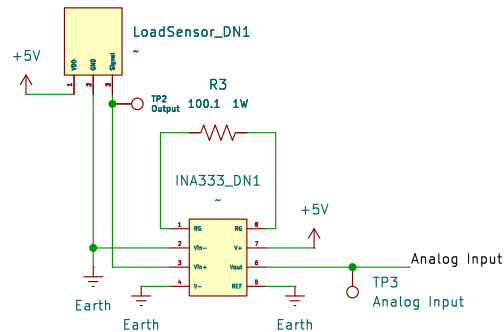


## Cross-Subsystem Connections

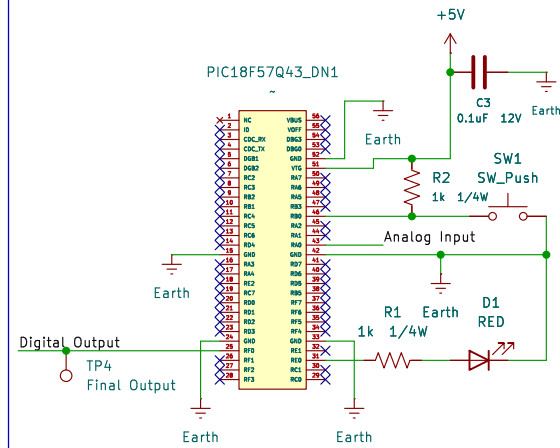


## Weight Sensor Subsystem

Equation:  $G = 1 + (100k\Omega / R_G)$ .  
 The target gain (G) is 1000.  
 $1000 = 1 + (100k\Omega / R_G) \rightarrow R_G = 100.1 \text{ ohms}$ .



## PIC Connections



Team 202: Smart Trash Can

Sheet: /

File: SubsystemDesign.kicad\_sch

Title: **Weight Subsystem Design**

Size: A4

Date: 2025-10-31

Rev:

KiCad E.D.A. 9.0.4

Id: 1/1