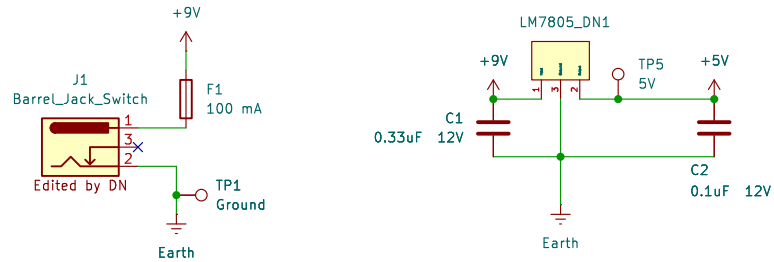
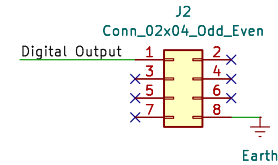


Power Input

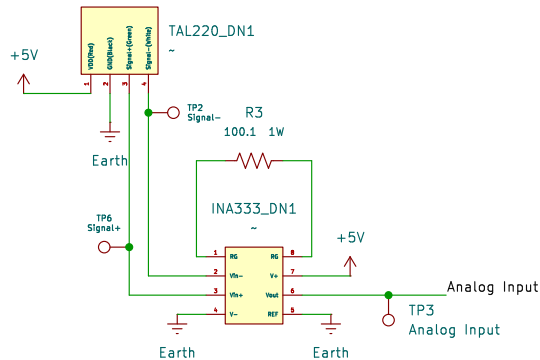


Cross-Subsystem Connections

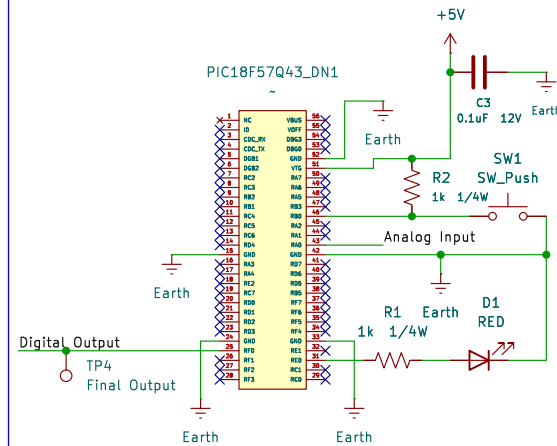


Weight Sensor Subsystem

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

KiCad E.D.A. 9.0.4

Rev:

Id: 1/1