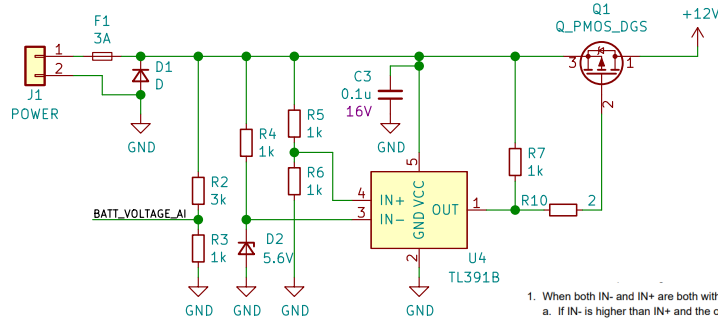


## Power Input

## Project: Wood Stove

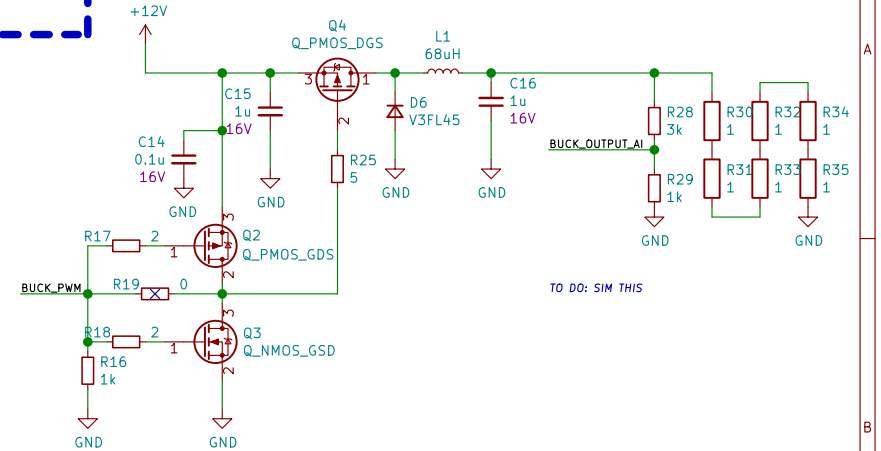
A 25W, STM32 based, PID controlled beverage warmer.

## Power Stage/Heating



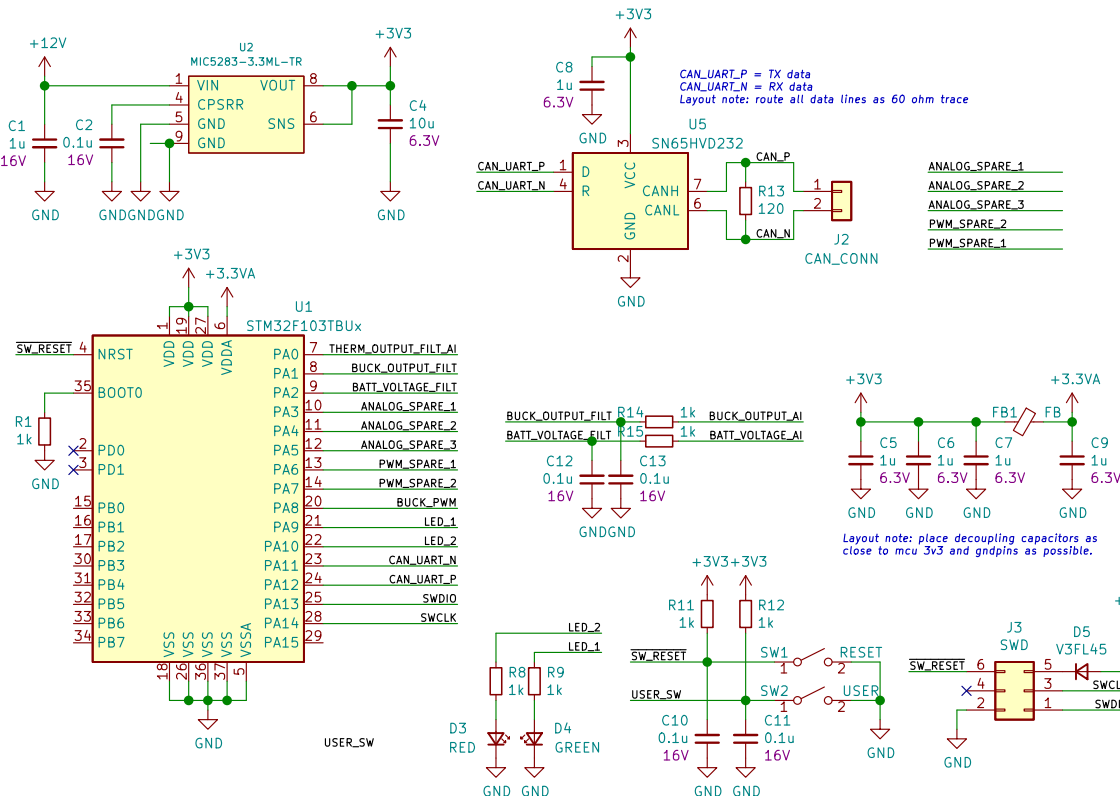
- When both IN- and IN+ are both within the common mode range:
  - If IN- is higher than IN+ and the offset voltage, the output is low and the output transistor is sinking current
  - If IN- is lower than IN+ and the offset voltage, the output is high impedance and the output transistor is not conducting

Undervoltage, overcurrent and reverse voltage protection.

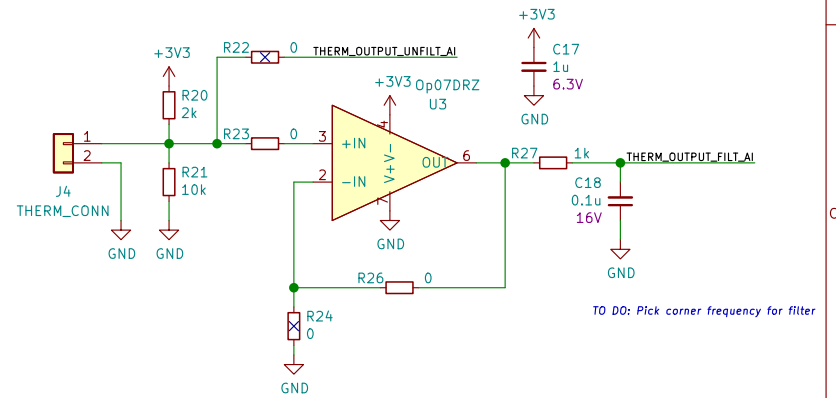


TO DO: SIM THIS

## Digital/MCU



## Thermistor Interface



TO DO: Pick corner frequency for filter

By: Walsh Bros Inc.  
Memorial University of Newfoundland

Sheet: /  
File: beverageWarmer1.sch

Title: Wood Stove

Size: A4 Date: 2022-01-13

KiCad E.D.A. kicad (5.1.8)-1

Rev: 1

Id: 1/1