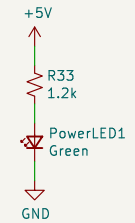
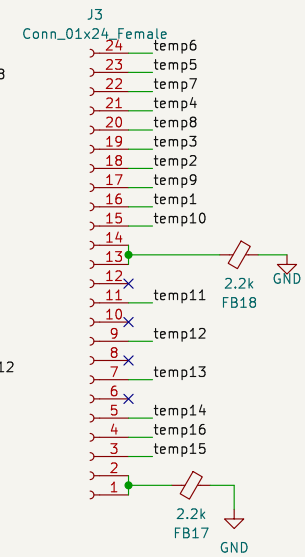
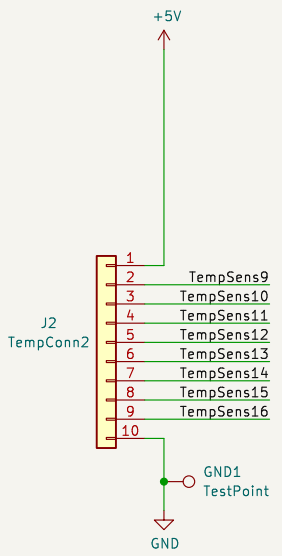
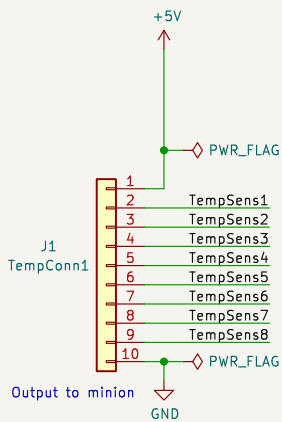
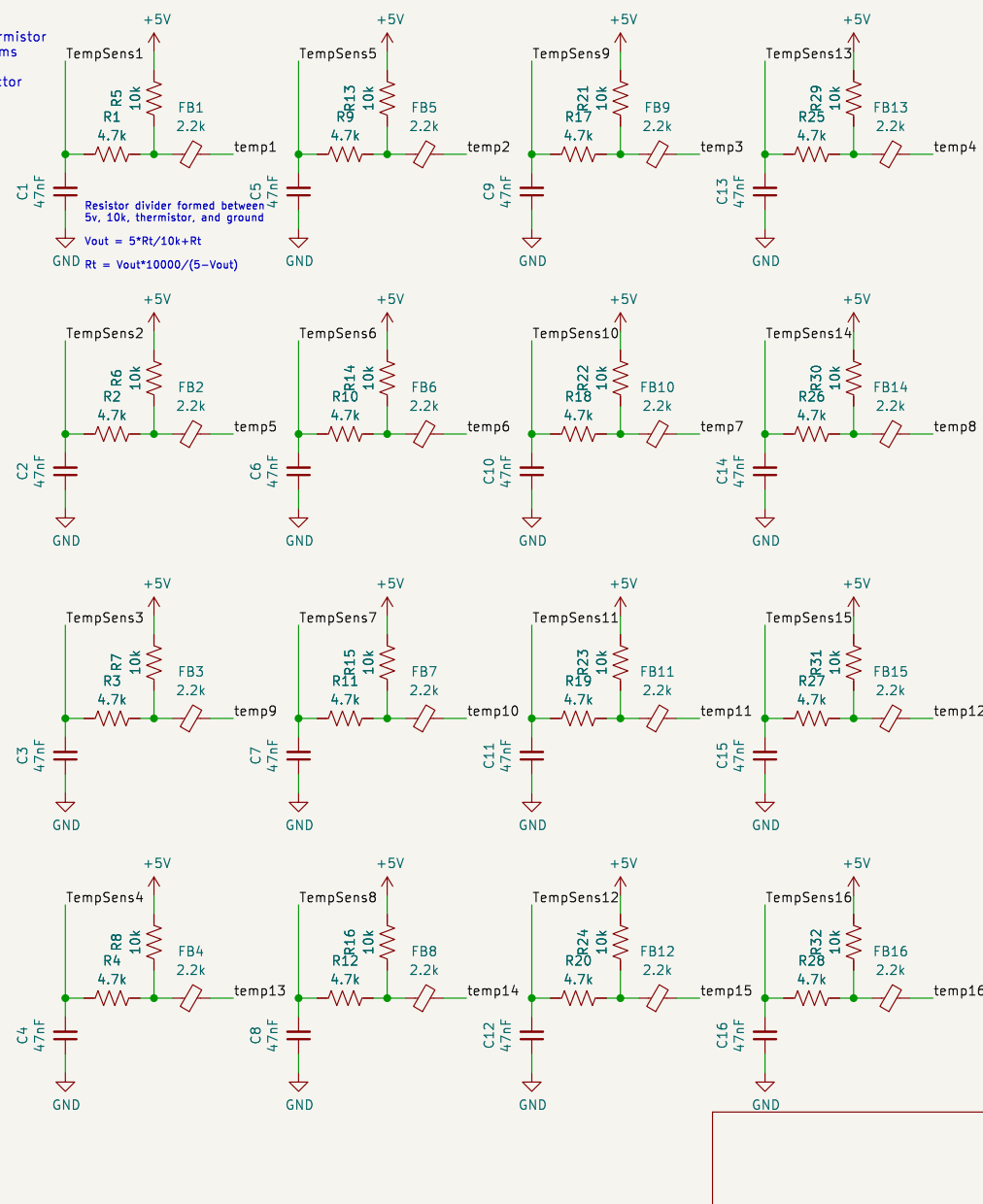


- H1 M3
- H2 M3
- H3 M3
- H4 M3

Using the CWF1B103F3380 thermistor
With B=3380, RO = 10,000 ohms
Thermistor input at this connector

Version History:
v2.3:
Fix footprint issues
Update RC values to match timing of the LTC6811
Redo PCB layout to reduce islands and vias
v2.2:
PCB layout to make everything symmetrical
and easier to solder
v2.1:
Board supports 16 temperature sensors, add
RC filter to all temperature sensors



LTC6811 delay between sleep and measuring ADC voltage is T_WAKE+T_REFUP
T_WAKE+T_REFUP = 200us+2.7ms=2.9ms (minimum)
freq = 1/.0029 = 345Hz
Setting LC cutoff freq to 2*345 = 690
Using a 47nF cap and 4.7K resistor,
we achieve a cutoff freq of 720Hz.

Sheet: /	
File: BPS-MinionShield.kicad_sch	
Title: MinionShield	
Size: A4	Date: 10/8/22
KiCad E.D.A. 9.0.0	Rev: 2.2
	Id: 1/1