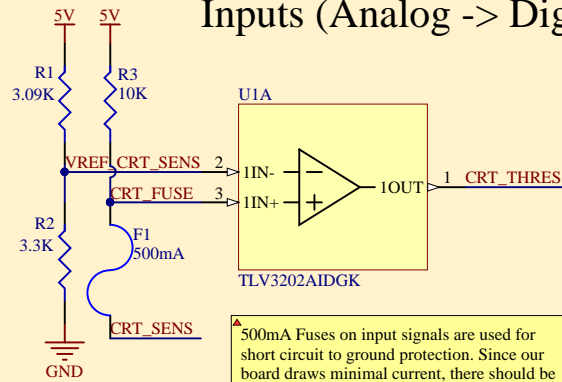
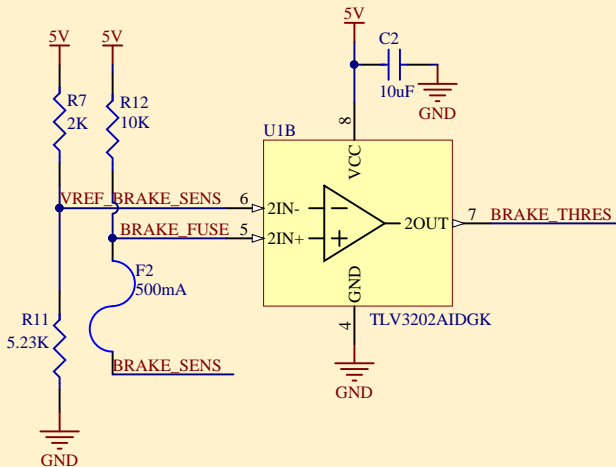


Inputs (Analog -> Digital)

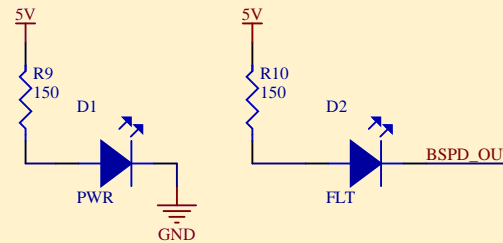


500mA Fuses on input signals are used for short circuit to ground protection. Since our board draws minimal current, there should be no need for greater than 500mA.

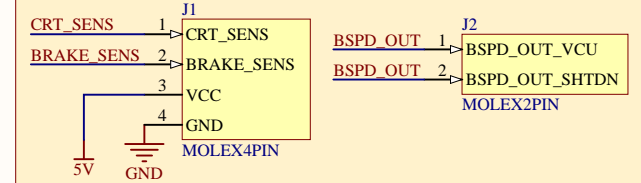
Additionally, the inputs are pulled up to 5V for open circuit scenarios, in order to trip a fault as inputs are floating.



LEDs



HEADERS

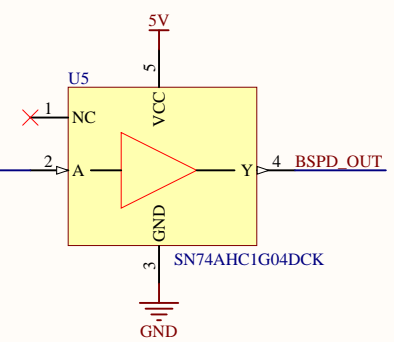
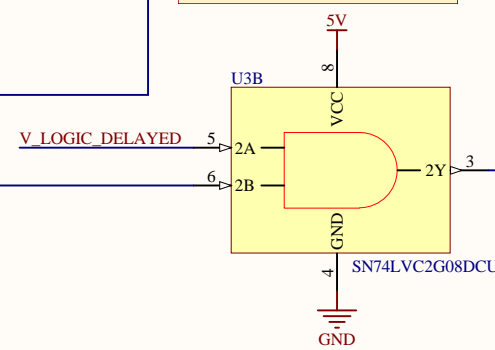
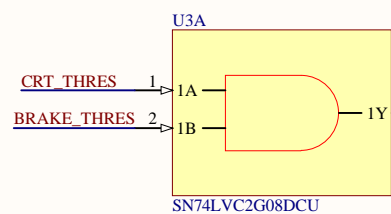
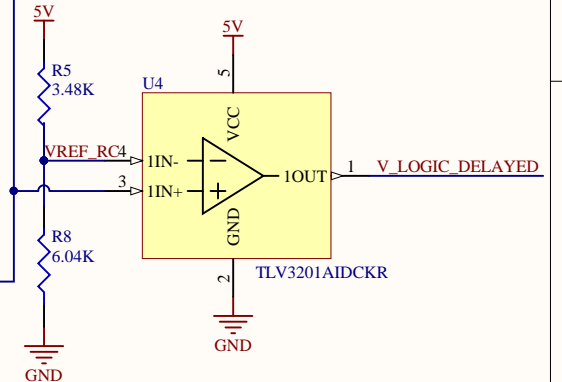
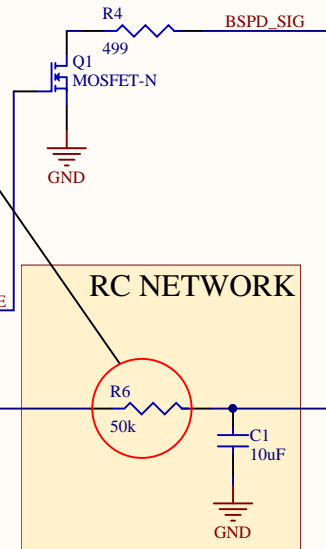


Want $\tau = 0.5s$ therefore $R \cdot C$ needs to equal 0.5.

e.x. If $C = 10\mu F$ then $R = 50k$

Since these values are hard to find, will need to determine available combination.

RC NETWORK



45 (mm)

