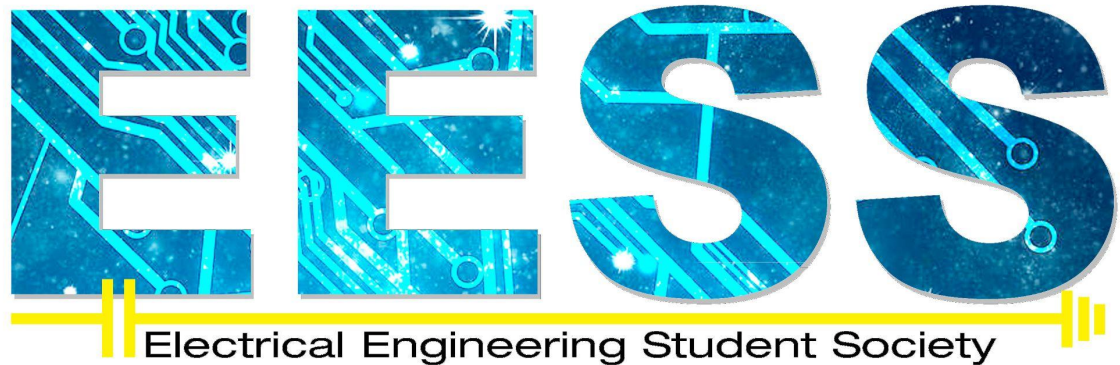


The Clapper

Workshop 2 - Power



Power

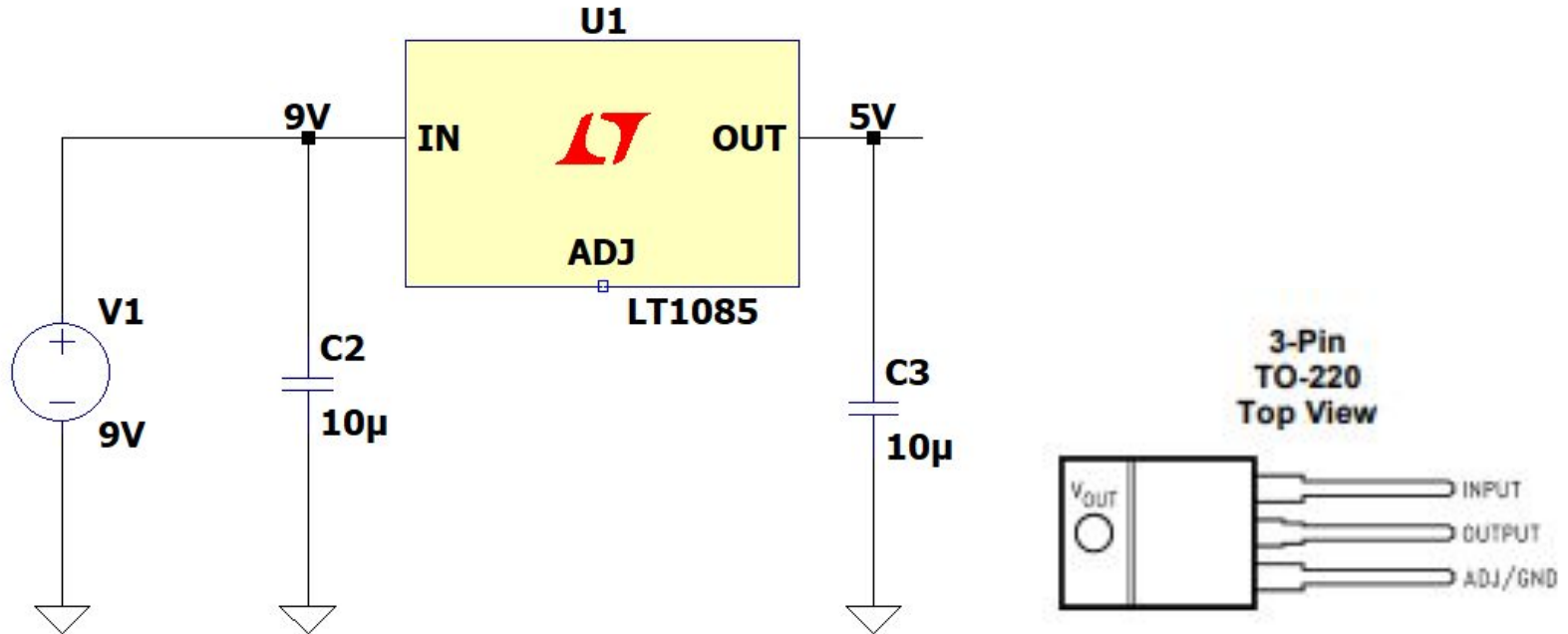
Main aims:

- We currently get power from the lab power supplies, we need to switch to powering from a battery
- We currently turn on and off a single dim LED, that's pretty boring...
- Let's upgrade to multiple LEDs and let's make them BRIGHT



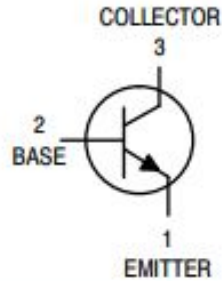
Voltage Regulation

- Let's step the 9V battery down to 5V so that all our electronics work

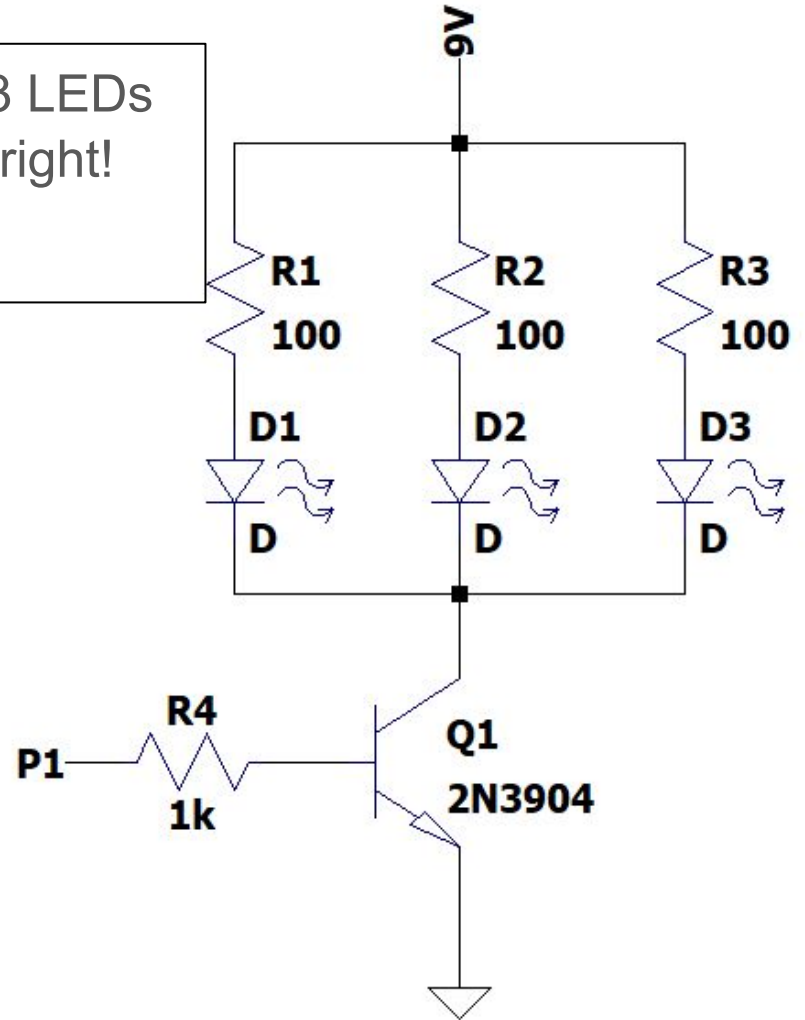
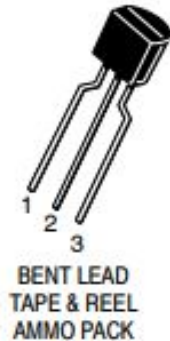
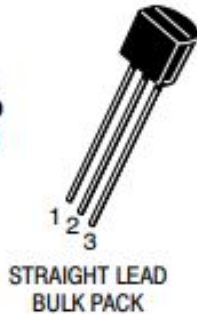


LED Setup

Let's upgrade to 3 LEDs
and make them bright!



TO-92
CASE 29
STYLE 1



Next week

- We are all done with the functionality of the clapper!
- Let's make it into something we can take home
- Next week we will solder our creation onto perfboard
- We will have a catch-up week in week 8 so don't stress if you can't make it

