

Nut put on after stacking



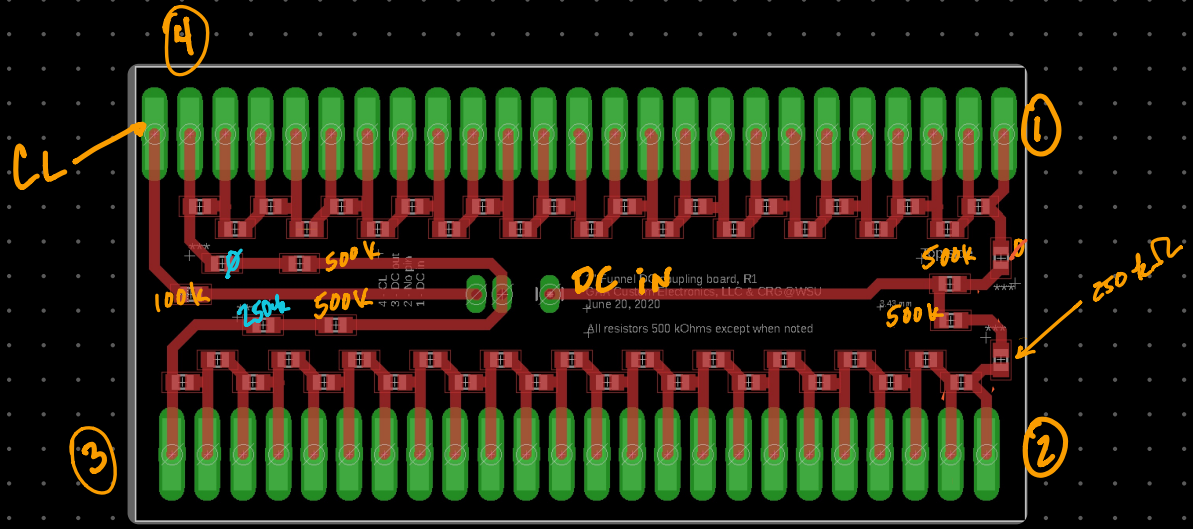
Nut put on BEFORE Stacking



Thin nut to hold stack down. Height of two spacers (~ 3mm). Assembled before stacking

The general rationale is that the thin nuts are used to hold the stack together and MINIMALLY compress the stack. By allowing for a little play with the bulkhead flange this allows the actual teflon housing to compress and seal with the o-ring. Having the height of the stack be fully rigid is not a good idea as there are small variations in electrode/spacer thicknesses. By allowing the bulkhead PCB (coug/horns plate) to float a little then we can ensure things get compressed and appropriately sealed.

# REAR ion FUNNEL BOARD



$$3 > 4$$

$$1 > 2$$

