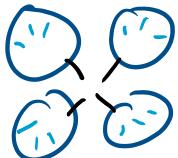


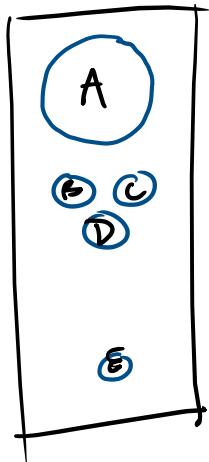
Custom MOTOR Controller

NEEDS:



- 1 OpenCV TRACKABLES LIGHTS x 4
- 2 Orientation TRACKABLE MPN 6050

BUTTONS:

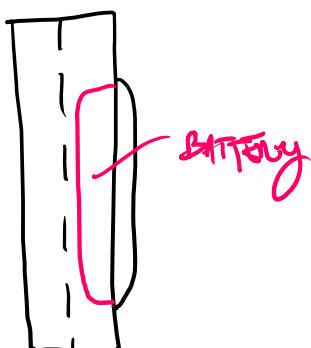


- A — Gripper (open/close) Press → Hold
- B — SAVE SET POINT
- ~~C — REST POSITION~~
- C — PLAY/STOP
- D — Controller Power (on/off) Press → Hold
- E — E-STOP Press → Kill
Press AND Hold
→ Kill & Reset

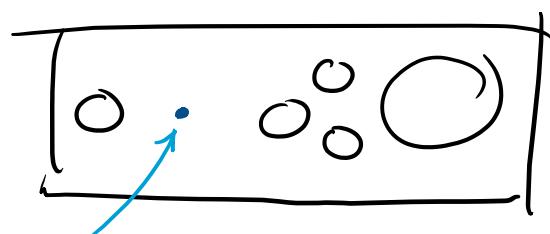
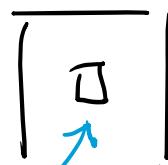
4 CHARGE PORT

5 USE PS MOVE CHARGABLE BATTERY

6 CHARGE PROTECTION / CHARGE LIGHT



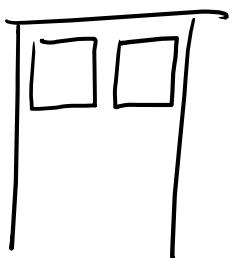
CHARGE PORT
USB-C



LED HOUSING

TOSAS For LIGHT TRACKER

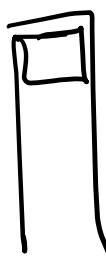
FRONT/BACK



TOP



SIDE



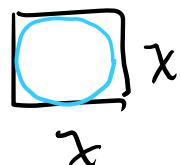
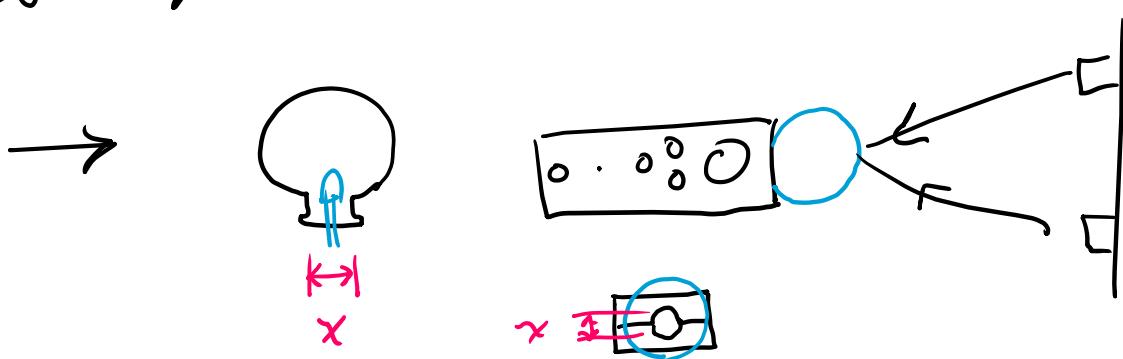
use LIGHT DIFFUSING
PLASTIC from TV

WAIT! I DONT NEED MULTIPLE SOURCES!

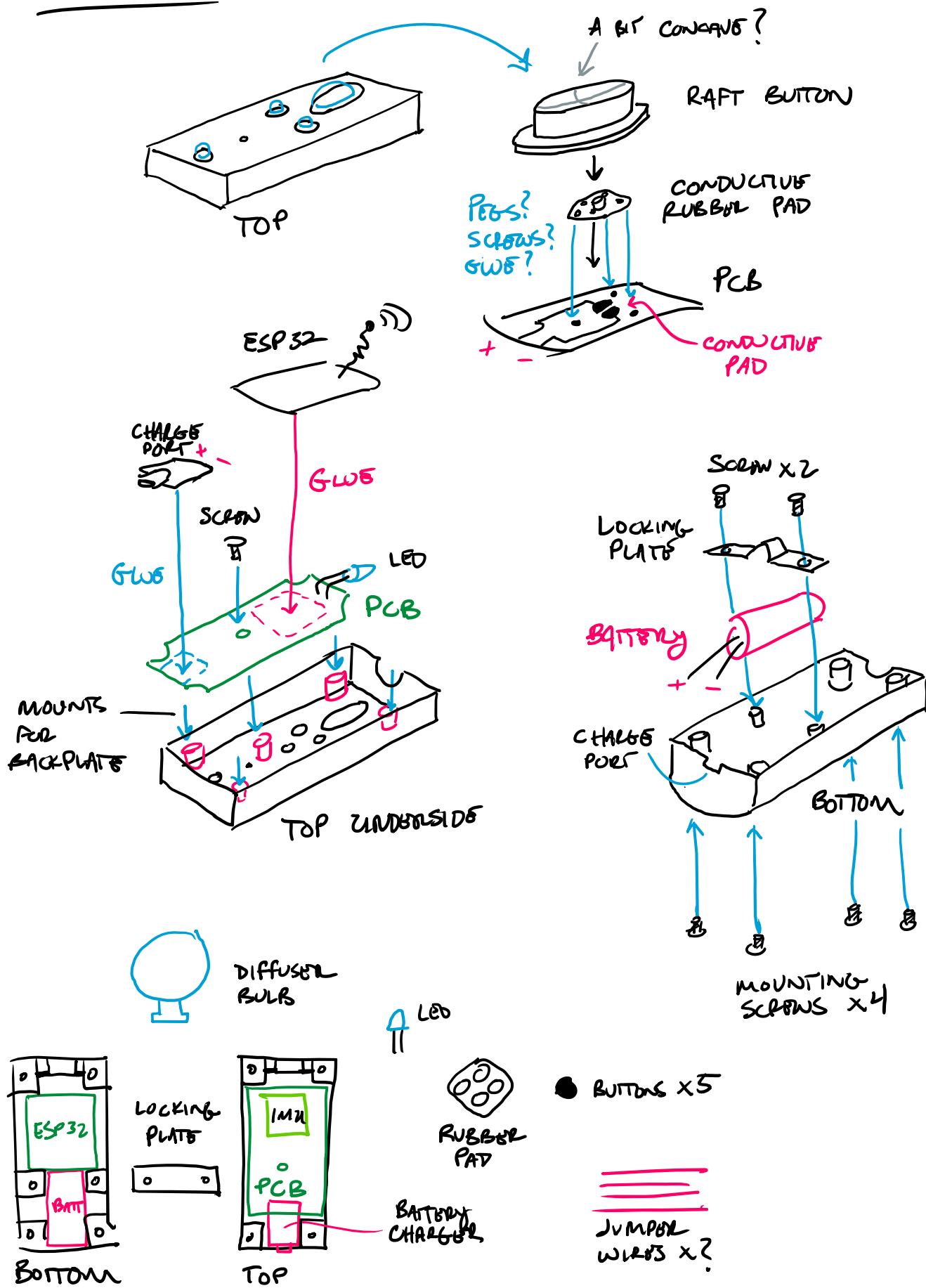
THAT WOULD JUST BE FOR REDUNDANCY.

I CAN JUST FIND THE MAIN SINGLE LIGHT
THEN USE THE IMU TO INFER THE REST
OF THIS POSITION.

So → use REMOVE DIFFUSE BULB



PACKAGING



Components $(L \times W \times H)$ mm

ESP32 ($51.43 \times 28.45 \times 4.92$)

PS MOVE BATTERY ($53.07 \times 19.40 \times 20.55$)

2 Layer PCB ($?$ \times $?$ \times 1.60)

BATTERY CHARGER ($27.85 \times 17.03 \times 3.36$)

RUBBER PAD 4 BTN PAD ($32.00 \times 32.00 \times 0.86$)

2mm LED x2 ($2.00^2 \times 10\text{ISH}$)

Diffuser bulb ($44.70 \times 44.70 \times 53.49$) / ($16.80^2 \times 5.68$)

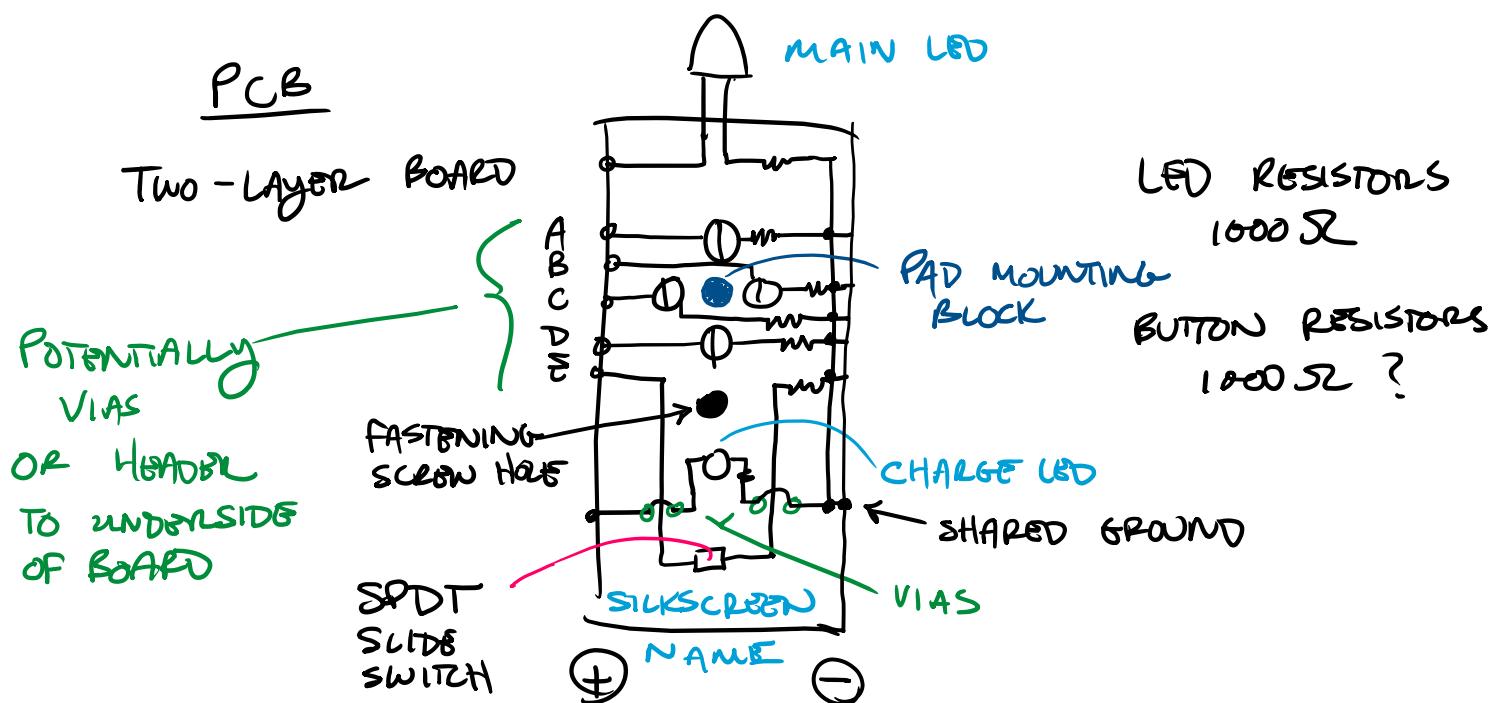
MOUNTING SCREWS x4 M2 — ?

LOCKING PANEL SCREWS x2 M2 — ?

PCB FASTENING SCREW x1 M2 — ?

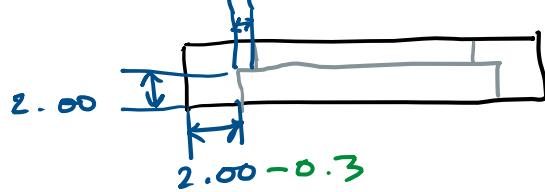
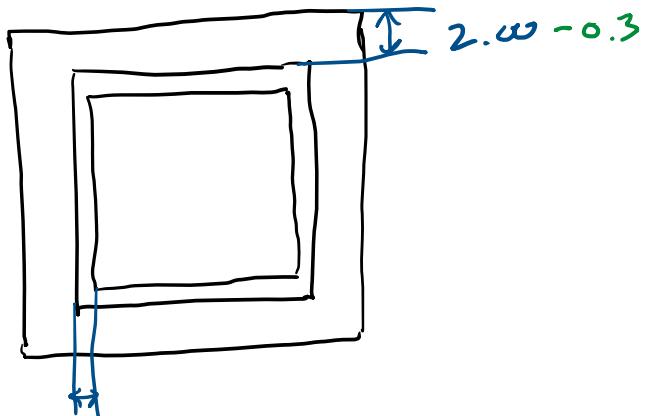
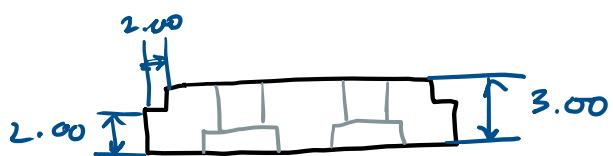
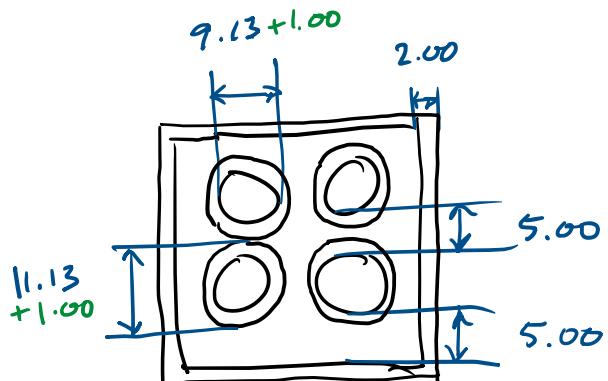
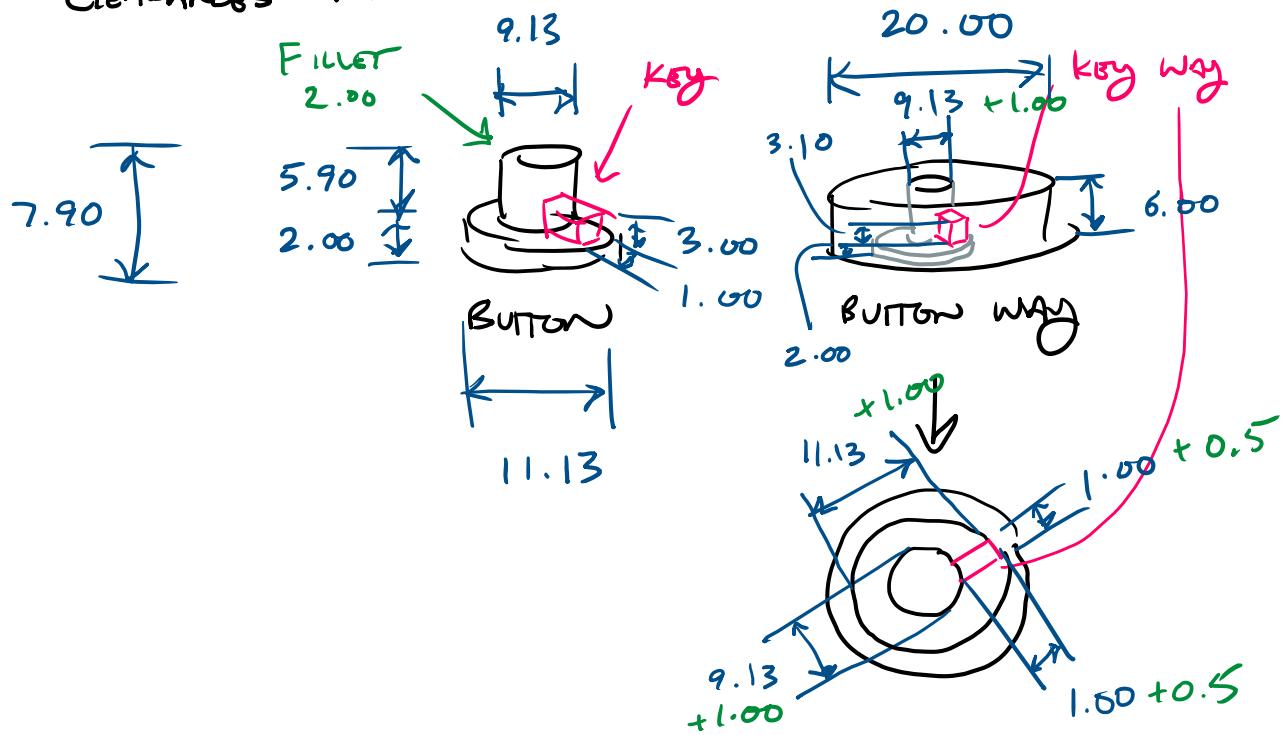
BUTTON x5 ($9.13^2 \times 7.90$)

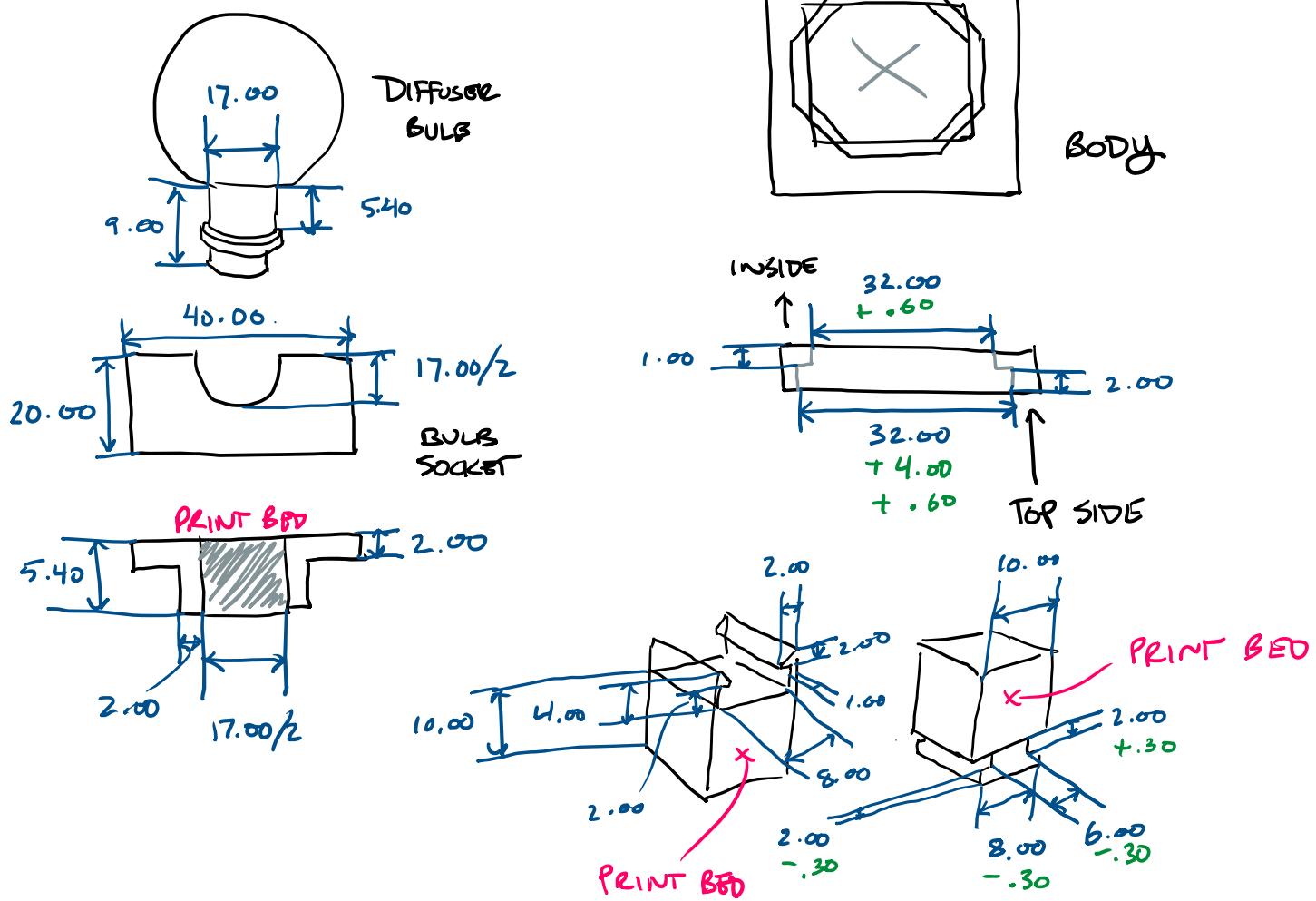
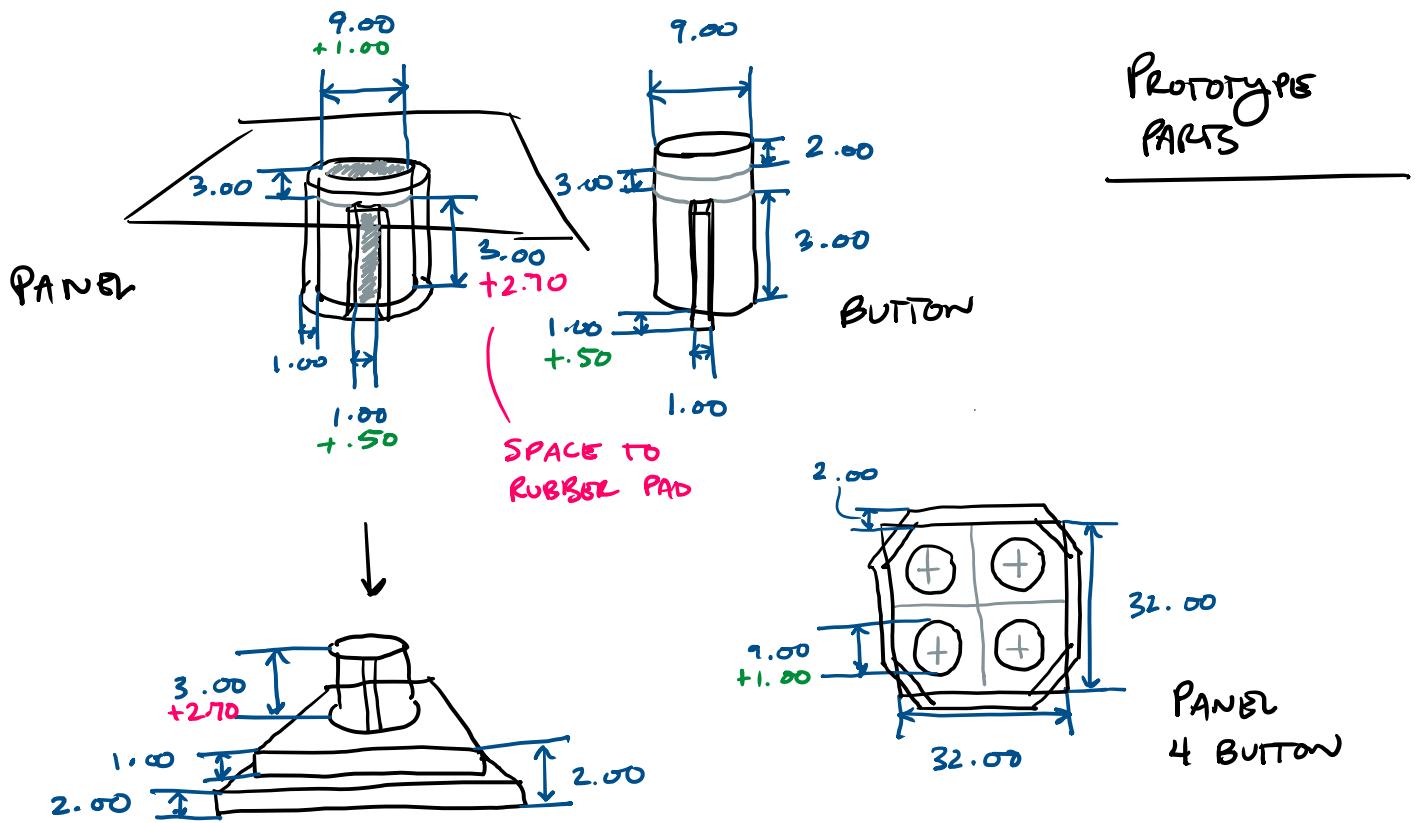
MPU6050 ($20.27 \times 15.48 \times 3.25$)

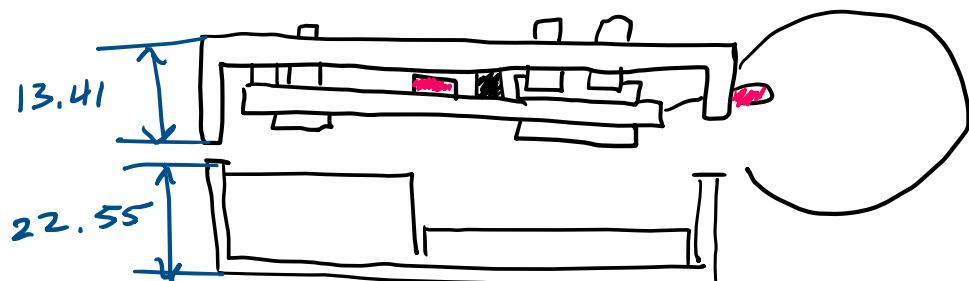
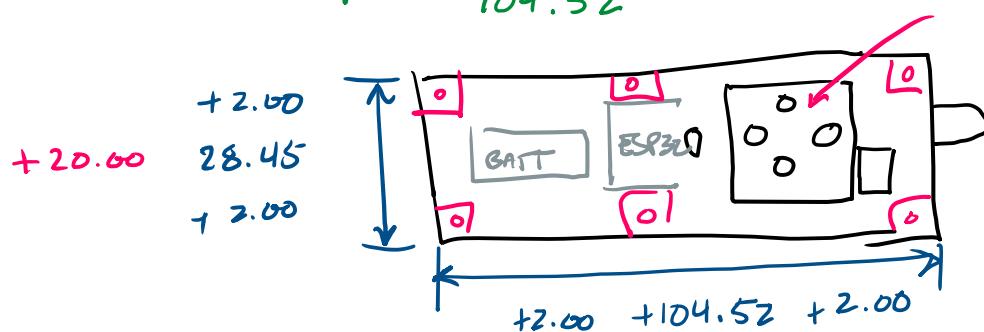
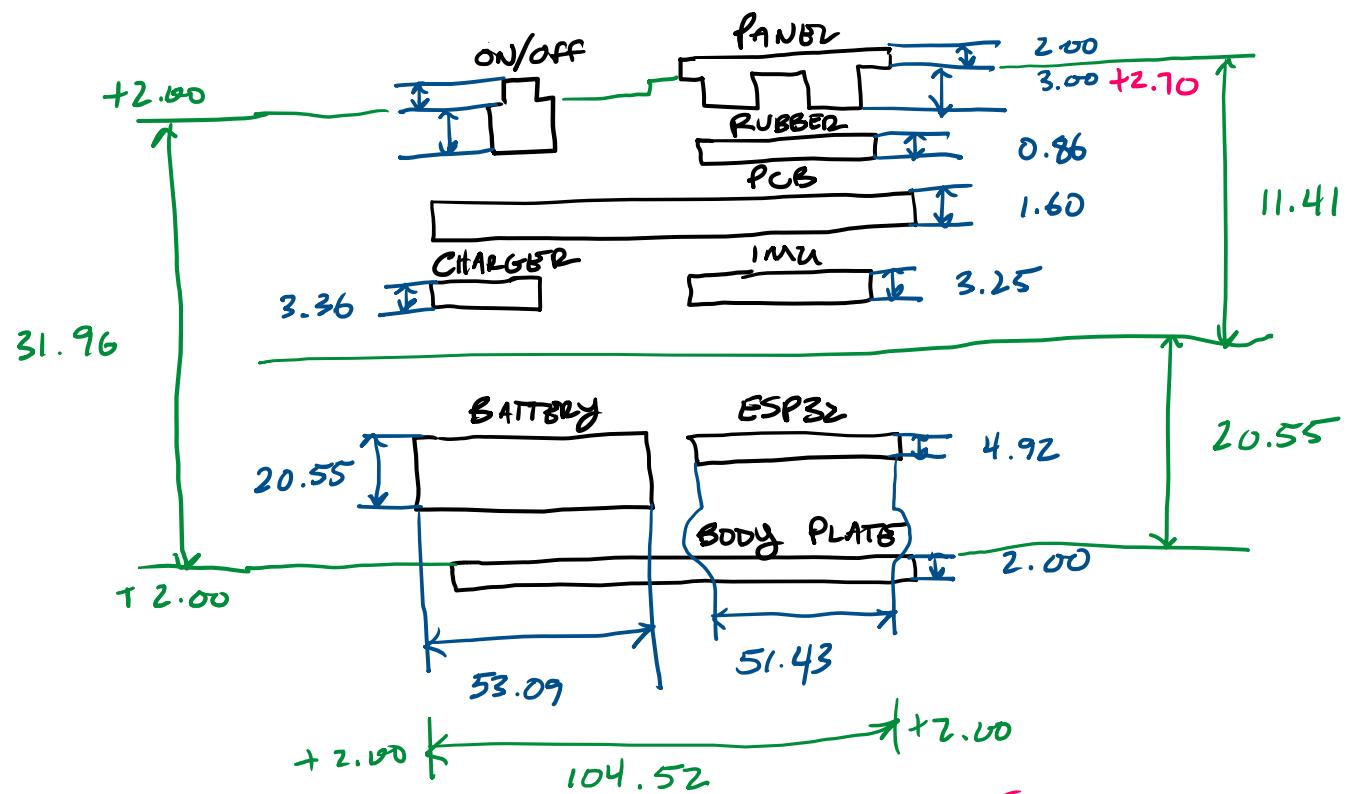


TEST BUTTON

CLEARANCES 0.5mm







LAST PAGE