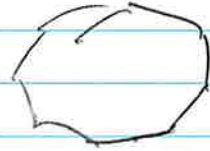


by Friday

S.O.S. -

last



~~12/20~~

Ryan's report as reference

(P) (G) (H)

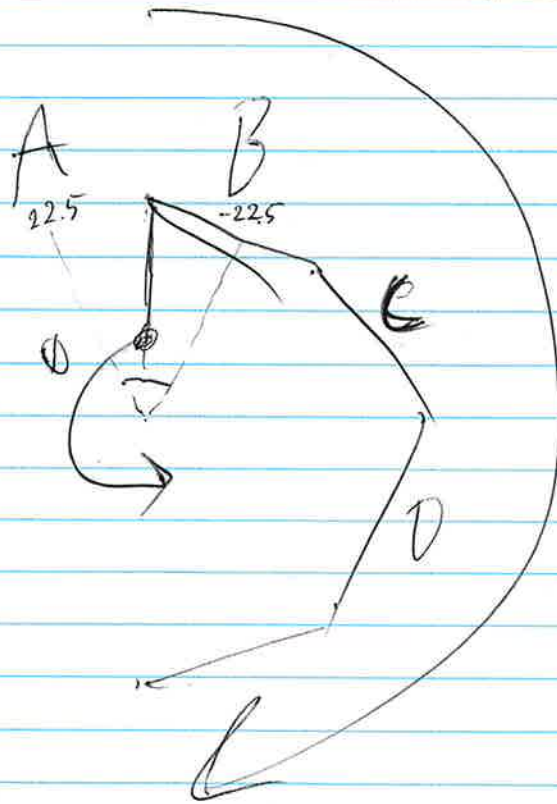
- no output

manual
ping

"39" actually throwing
errors

Crit - setup

Probe multi



I2C quick 'n' dirty python script
DF's

Sensor

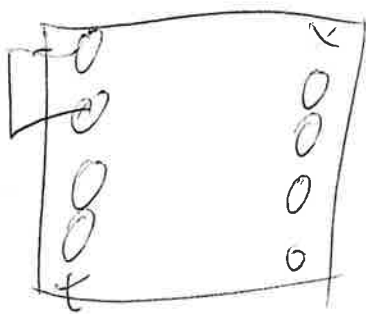
37-48 - publisher
no need for ros

~~ultra~~
A

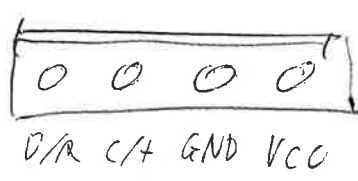
Pos	Addr
1	20
2	21
3	22
4	23
5	24
6	25
7	
8	

D/R
C/T
GND
VCC

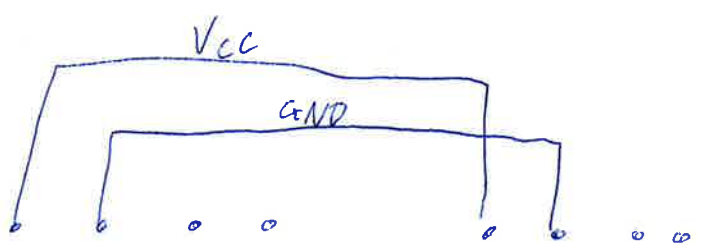
B _r	R
B _w	G
G	P
P	Y



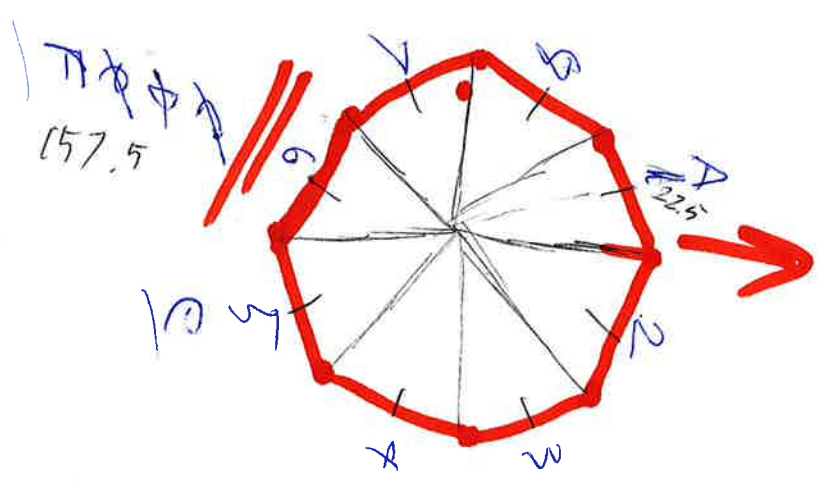
A₃ C, d, ~~e~~, f
B G H



D/R C/T GND VCC



expanding



Ultra B removed

Cub

3

4

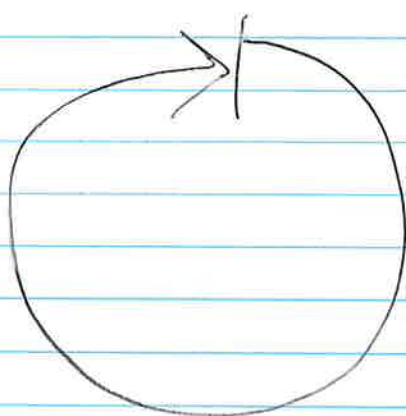
7

connection

EXT - OPA

EXT - MAX 33k

External Grid



~~-22.5~~
~~22.5~~
22.5 + 270 292.5
22.5 + 255 277.5
22.5 + 180
22.5 + 165
-(22.5 + 255) 82.5
-(22.5 + 270) 67.5

337.5
22.5

-22.5
22.5
82.5
67.5
157.5
202.5
247.5
292.5

Sensor	angular Pos
A	22.5
H	67.5
G	82.5
F	157.5
E	202.5
D	247.5
C	292.5
B	337.5

112.5

0x21

NUC
wifi
33896984

SSH

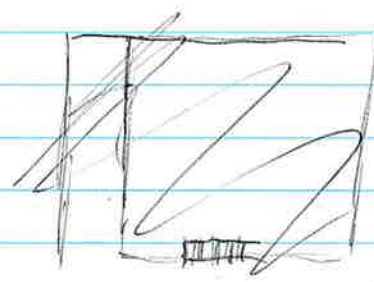
192.168.8.1 PI
192.168.8.50/24

NUC

sudo ufw enable

(check with sudo ufw status)

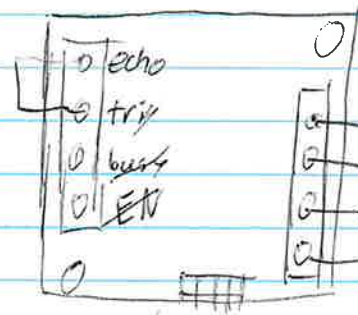
Ip: 10.141.221.100



Robot

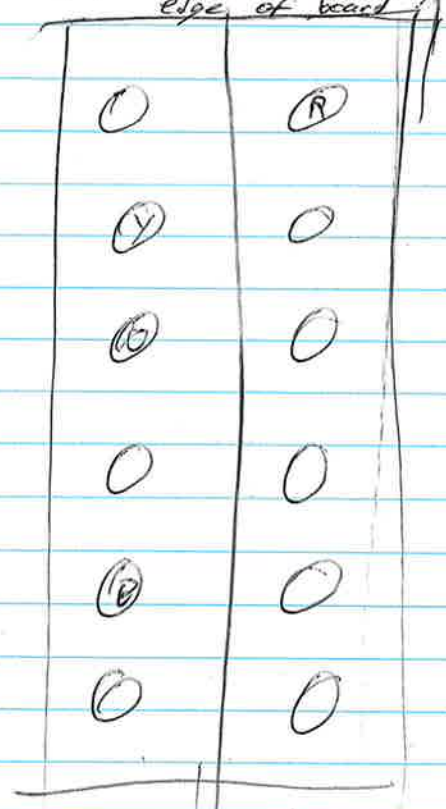
Ip: 192.168.0.101

Hamish raspberry



red/yell/pur
orange
brown/black
red/white

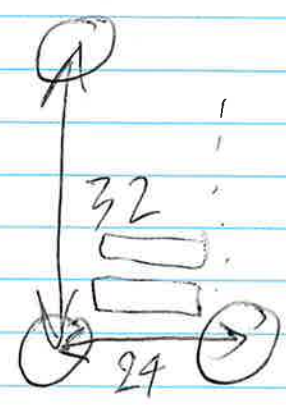
Pi 5 pinout
edge of board



~~Red~~ R/T
Y 2
O 3
Br 4

VCC - 5V
D/R - GPIO 2-22
C/T - GPIO 12C
GND - Gnd

W = R
P = Y
G = O
Bl = Br



~~7.7.18~~

Jase has
email electronics about pi

Plan prelim over break
draft ~~draft~~ + draft

jumper short?

cc Hamish in
electronics tix

test sensors with arduino?
if have code for ard

5V
use ~~make~~ python test

DFRobot_URM13.py
- addresses may be
hard coded 0x12 by der
find bus ports