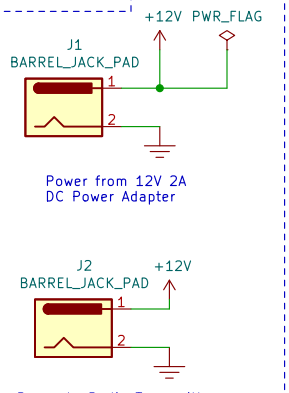
INTERFACE PCB

PLANTER

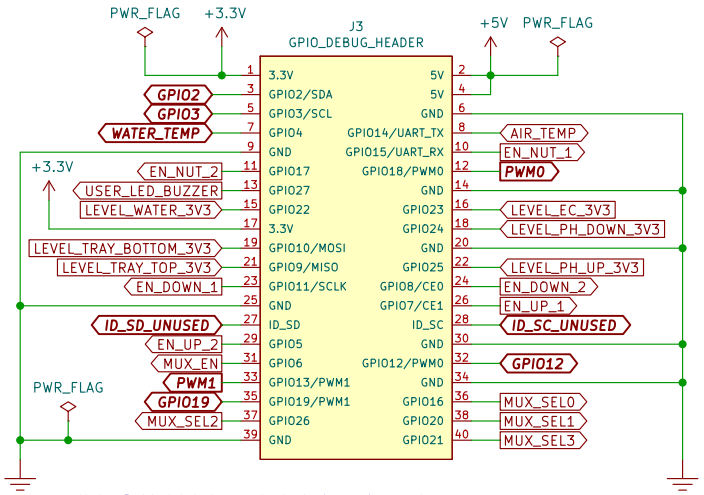
POWER SUPPLY



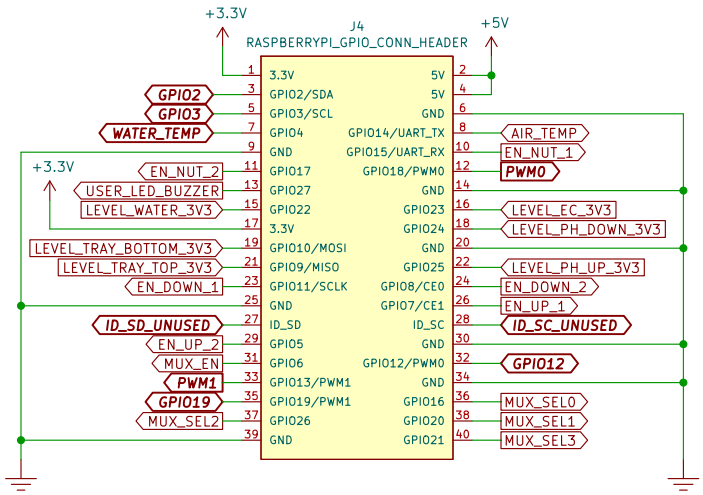
MOUNTING HARDWARE

H1 MountingHole
H2 MountingHole
H3 MountingHole
H4 MountingHole

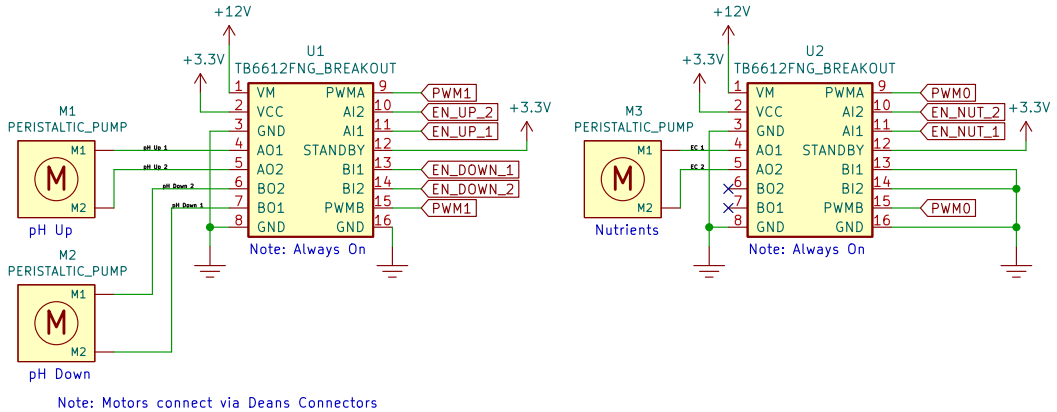
RASPBERRY PI GPIO



Note: Bolded labels are locked pin assignments



MOTORS, MOTOR DRIVER



REMOTE CONTROL OUTLETS

Remote Transistor SubSystem

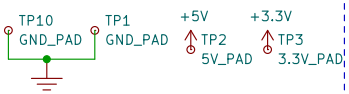
File: RemoteTransistor.kicad_sch

ENVIRONMENTAL SENSORS AND INDICATORS

Sensors and Indicators

File: EnvironmentSensors.kicad_sch

POWER PADS



By: Abhinav Agrahari

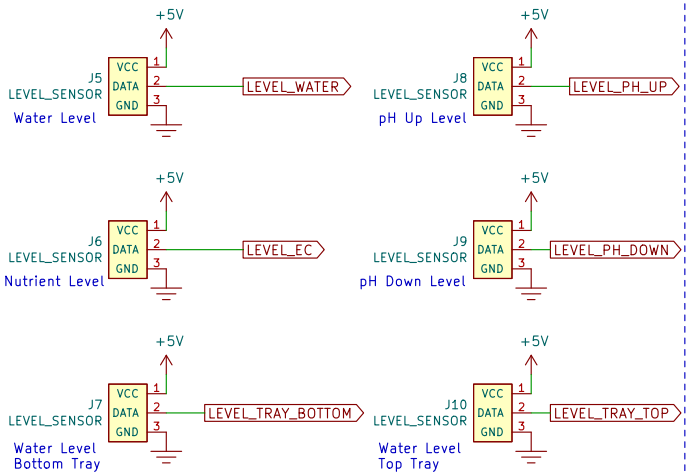
Team 48 – Planter

Sheet: /
File: Interface-PCB.kicad_sch

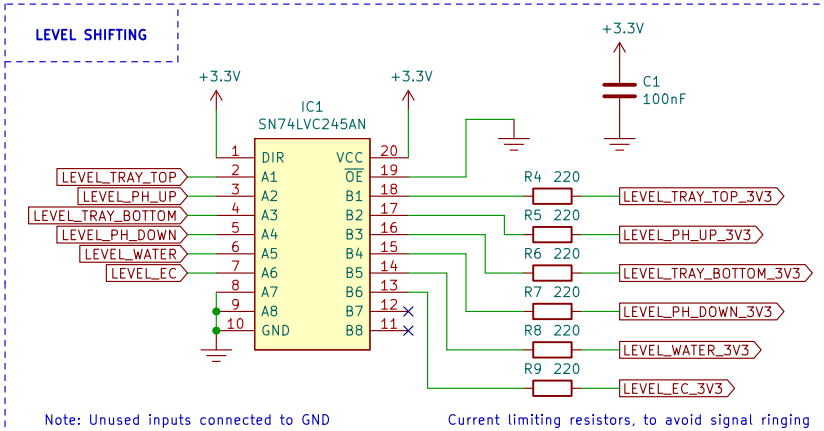
Title: Interface PCB

Size: USLetter	Date: 2023-01-21	**Rev: 1.0**
KiCad E.D.A. kicad (6.0.2)		Id: 1/3

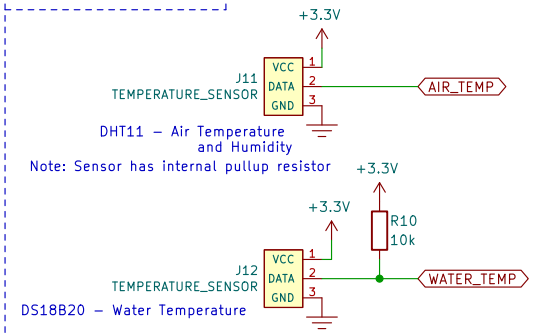
LIQUID LEVEL SENSORS



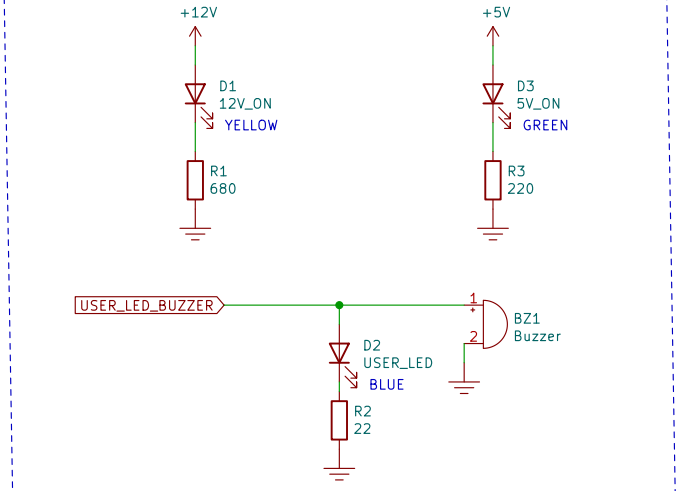
LEVEL SHIFTING



TEMPERATURE SENSORS



INDICATOR LEDS



PCB LOGOS

By: Abhinav Agrahari

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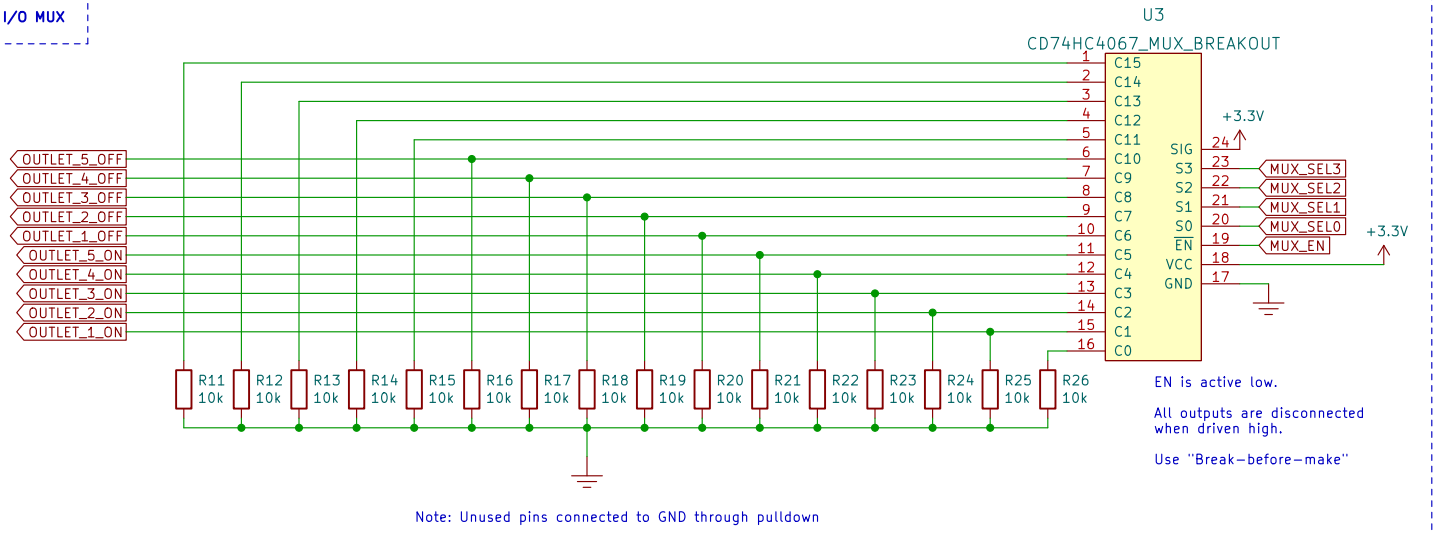
Sheet: /Sensors and Indicators/
File: EnvironmentSensors.kicad_sch

Title: Interface PCB

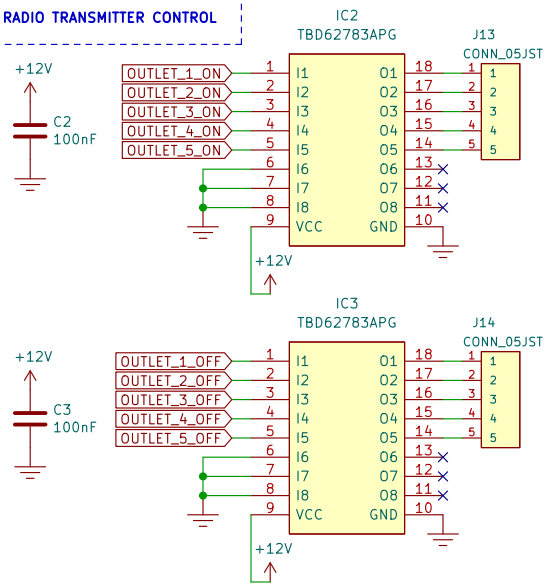
Size: A4	Date: 2023-01-21	**Rev: 1**
KiCad E.D.A. kicad (6.0.2)		Id: 2/3

I/O MUX



Note: Unused pins connected to GND through pulldown

RADIO TRANSMITTER CONTROL



Note: Inputs have internal 1M Ohm Pulldown.
Unused inputs connected to GND

By: Abhinav Agrahari

Team 48 – Planter

Sheet: /Remote Transistor SubSystem/
File: RemoteTransistor.kicad_sch

Title: Interface PCB

Size: USLetter	Date: 2023-01-21	**Rev: 1**
KiCad E.D.A. kicad (6.0.2)		Id: 3/3