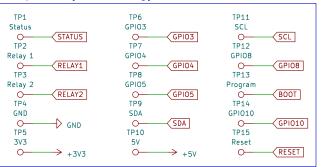
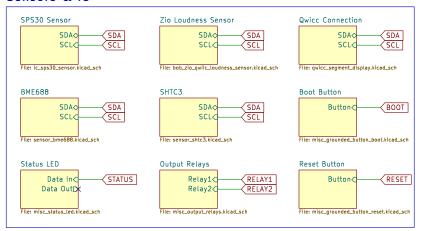


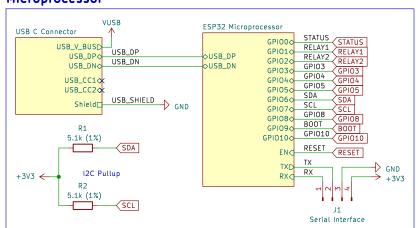
## Testpoints (for hacking)



## Sensors & 10



## Microprocessor



Sensors: SPS30: PM2.5 BME688: Gas, VOC, CO2, Pressure SHTC3: Temperature, Humidity Zio Loudness Sensor(\*): Sound Levels Qwicc: LCD or Segment Display \* Woodshop Note:

There is a different configuration for the woodshop Instead of LCD Screen use 2x Segment Displays Add Zio Loudness Sensor

> Created By: Erin Reed (FireLabs - www.firelabs.ca) File: KwartzLab-SensorBoard-Rev1.kicad\_sch Title: Kwartzlab Environmental Sensor Size: USLetter Date: 2023-03-24 Rev: 1 KiCad E.D.A. kicad (7.0.0-0)ld: 1/13

**ESP32 Microprocessor** GND (₹01) +3٧3 ¥ +3V3 R3 10k (1%) C1 1uF / 16v (10%) U1 ESP32-C3-MINI-1 EN 8 EN/CHIP\_PU GND 👇 GPI00 12 GPI01 13 GPI01/ADC1\_CH0/XTAL\_32K\_N GPI021/U0TXD 31 TX GPI020/U0RXD 30 RX GPI00♦ GPI01♦ GPI019/USB\_D+ GPI018/USB\_D-26 USB\_D--♦USB\_DP ->USB\_DN ESP32-C3-MINI-1

GPI02/ADC1\_CH2
GPI03/ADC1\_CH3
GPI04/ADC1\_CH4
GPI05/ADC2\_CH0
GPI06
GPI06
GPI07
GPI07
GPI08
GPI09
GPI010
GPI010
GPI09
GPI010
GPI010
GPI010
GPI010
GPI010
GPI010
GPI010 -♦GPI02 -♦GPI03 -♦GPI04 -♦GPI05 -\$GPI06 -♦GPI07 -\$GPI08 -♦GPI09 -\$GPI010 109 to Ground: Boot GND Created By: Erin Reed (FireLabs - www.firelabs.ca) Sheet: /ESP32 Microprocessor/ File: ic\_esp32\_c3\_mini.kicad\_sch Title: Kwartzlab Environmental Sensor Size: USLetter Date: 2023-03-24 Rev: 1 KiCad E.D.A. kicad (7.0.0-0) ld: 2/13

