

Need:

- pin headers x 12
- raspberry pi container
 - 4 in x 2.5 in x 1.5 in w/ removable lid
 - 4 in x 2.5
 - Section specifically for battery on bottom, LED, switch

Notes:

- if backwards battery - switch red/black w/ charger cord & battery

- Connect all SCL, SDA, Power, & GND together

- match x ↔ ○ to old one (code coordinates)

Y

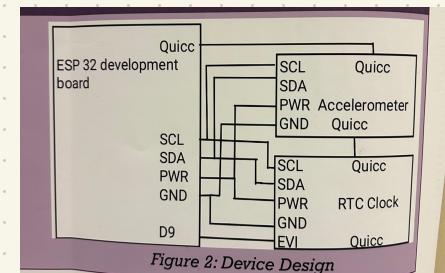


Figure 2: Device Design

- To create on & off switch :

get switch w/ 3 prongs, cut red wire on battery in half, cut 1 prong off, solder 1 prong to 1/2 of red wire & other prong to other 1/2 wire

- EVI on RTC connected to 14 on ESP32

- LED connected to 12, 13, 4 → led did not work

- button to GND & pin 25

- avoid pins 0, 2, 5, 12, 15

- cut red wire & connect to switch

- solder SD net together on back of ESP32!!

- 3.3V split dont have it plugged in

- Use 1kΩ resistors before any elements
(e.g. before button & LEDs)

- battery should last about 14 days

