PCB Mistakes Log – Dripito Prototype V1

1. Battery Holder Pad Placement

- Issue: Via stitching was placed directly underneath one of the battery holder contacts.

- Problem: The battery contact is metal and very close to GND vias. Although a small air gap prevents shorting for now, this is poor practice and risky.

2. Risky Clearance Between BAT+ and GND

- Issue: BAT+ pad is too close to a nearby GND pad of the pushbutton.

- Problem: High risk of unintentional solder bridge during manual assembly.

3. Buzzer Circuit Lacks Bleed Resistor

- Issue: Buzzer connected without a bleed/discharge resistor.

- Problem: Buzzer makes no sound.

- Fix Tested: 1.8 kOhm resistor significantly improved sound strength and clarity. Will include in next revision.

Connect Pin 15 (MISO) to Pin 16 for listening to the screen.

Solder 10MOhm in Parallel with C16 against noise on Comparator.

Make any kind of drill hole (2x) in pcb for easy placement.

To be corrected in next PCB revision.

