## Step 1 Assemble hardwires

1) Solder headers onto the feather board. (Material acquired)

2) Create an on and off switch connector: (1 slide switch, JST-PH extension cable, JST female connector, Heat shrink pack)

Details refer to the following link: <https://learn.adafruit.com/on-slash-off-switches/overview>

3) Create a shield for elastic rubber band, and temperature sensor connection.

(1 prototype board, 2 9pin female header, 1 10K resistor)

4) Acquire a form fitting battery. (3.7V 350mah) (current battery would allow up to 6-9A of current which is too dangerous)

5) Acquire a form fitting heatsink for ESP32(heat sink, heat conducting epoxy)

6) 3D prints a new case.

## Notes

Remember to turn on the mobile hotspot

Name: dog\_temp

PIN:12345678

Specifically use band 2.4GHz