

Results and Final Output

The air mouse consists of a modified pencil case, PCB circuit with electrical components, buttons, and battery holder as the power source. The top outer shell of the case is covered in black tape which has the: power on (I) and off (O) switch, blue button for resetting bluetooth connection, four buttons consecutively for scroll up, scroll down, left click, and right click. The bottom outer shell is only covered with one line of black tape to cover up the glue stick used during the plastic case reduction. Inside the case contains the electrical components needed for the air mouse to function. Similar to outside the case, the actual buttons in the circuit can be seen along with the batteries who provide power to the circuit.

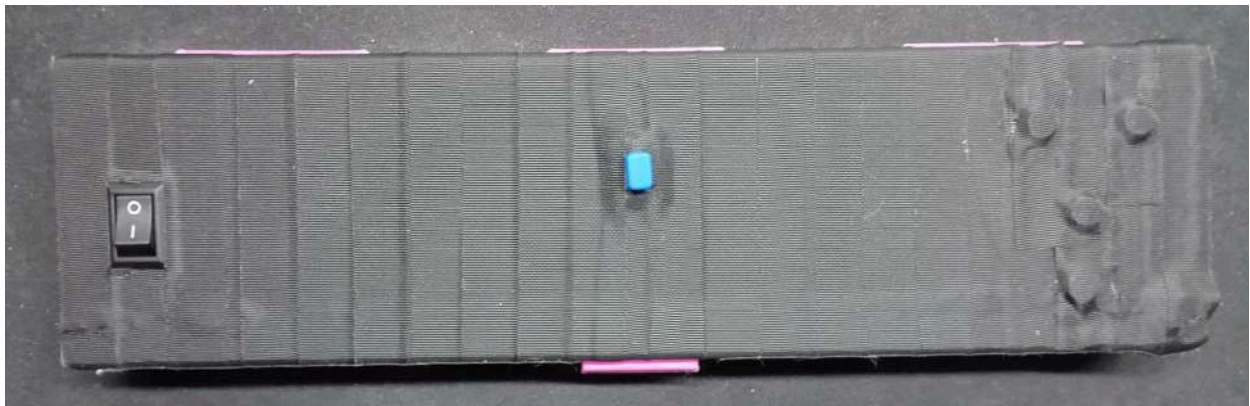


Figure 1. Finalized Top View of the Air Mouse.



Figure 2. Finalized Bottom View of the Air Mouse.

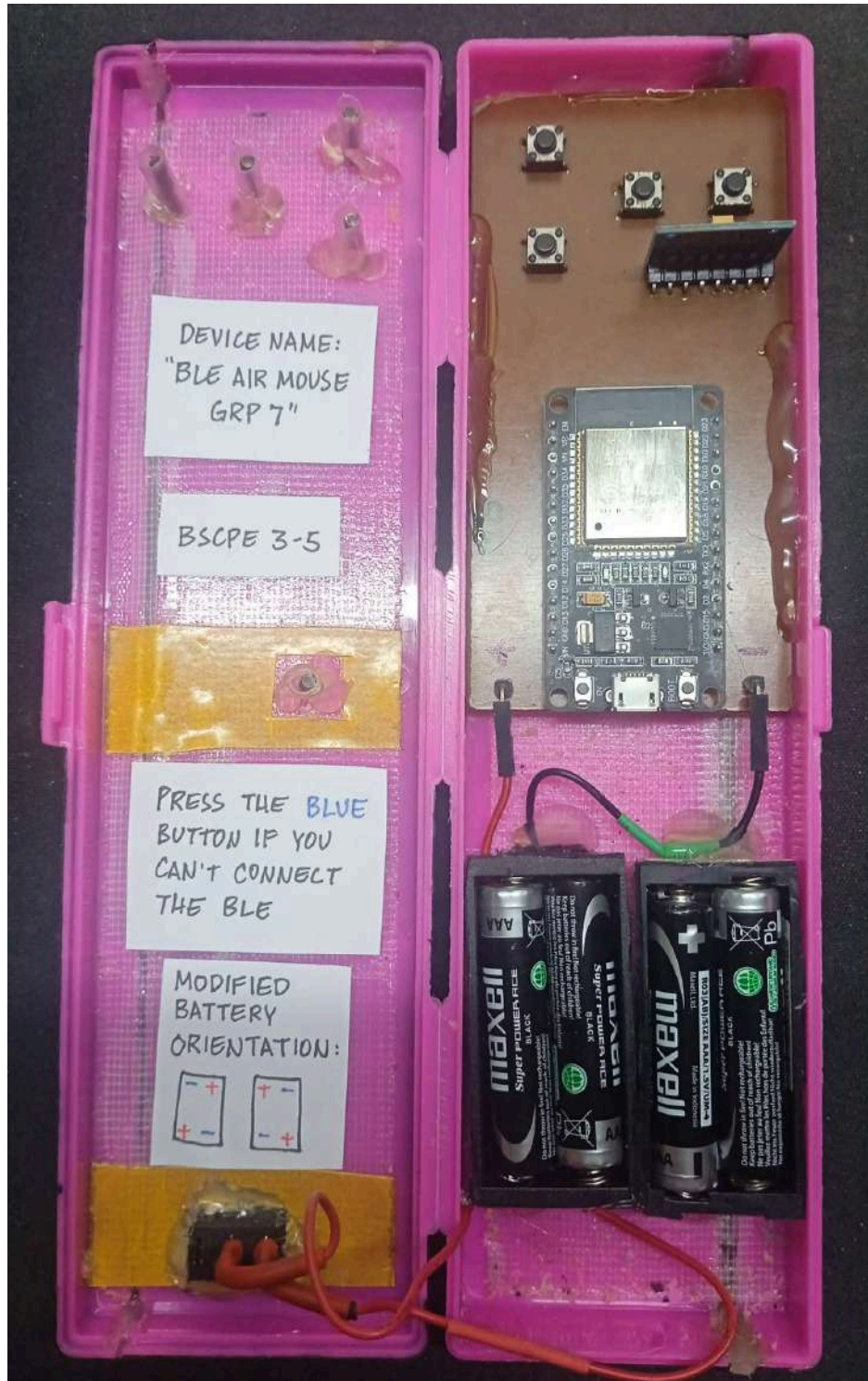


Figure 3. Electronic Components Inside the Finalized Air Mouse Case.



Figure 4. Screws and Straws Connected to the Inside Buttons the Finalized Air Mouse Case.



Figure 5. An EN or Reset Button Connected to the Inside of the Finalized Air Mouse Case.



Figure 6. Four AAA Battery Holder Instructions Inside the Finalized Air Mouse Case.

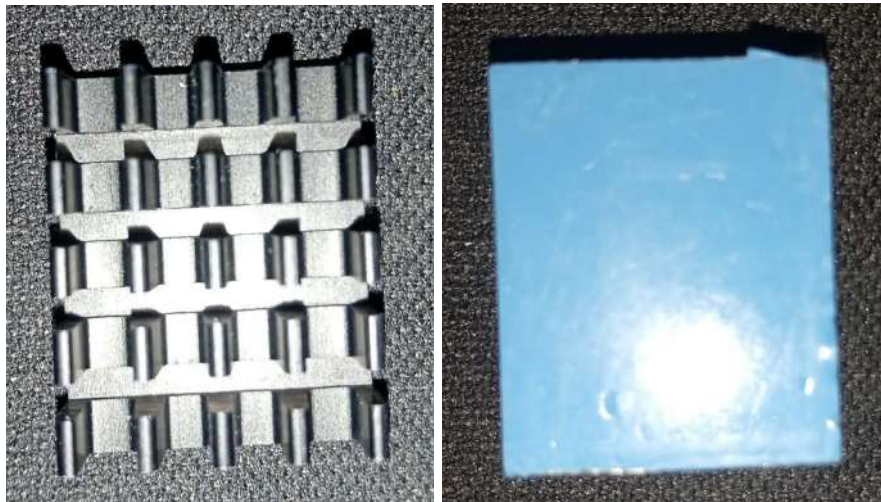


Figure 7. (OPTIONAL) ESP32 Heat Sink.

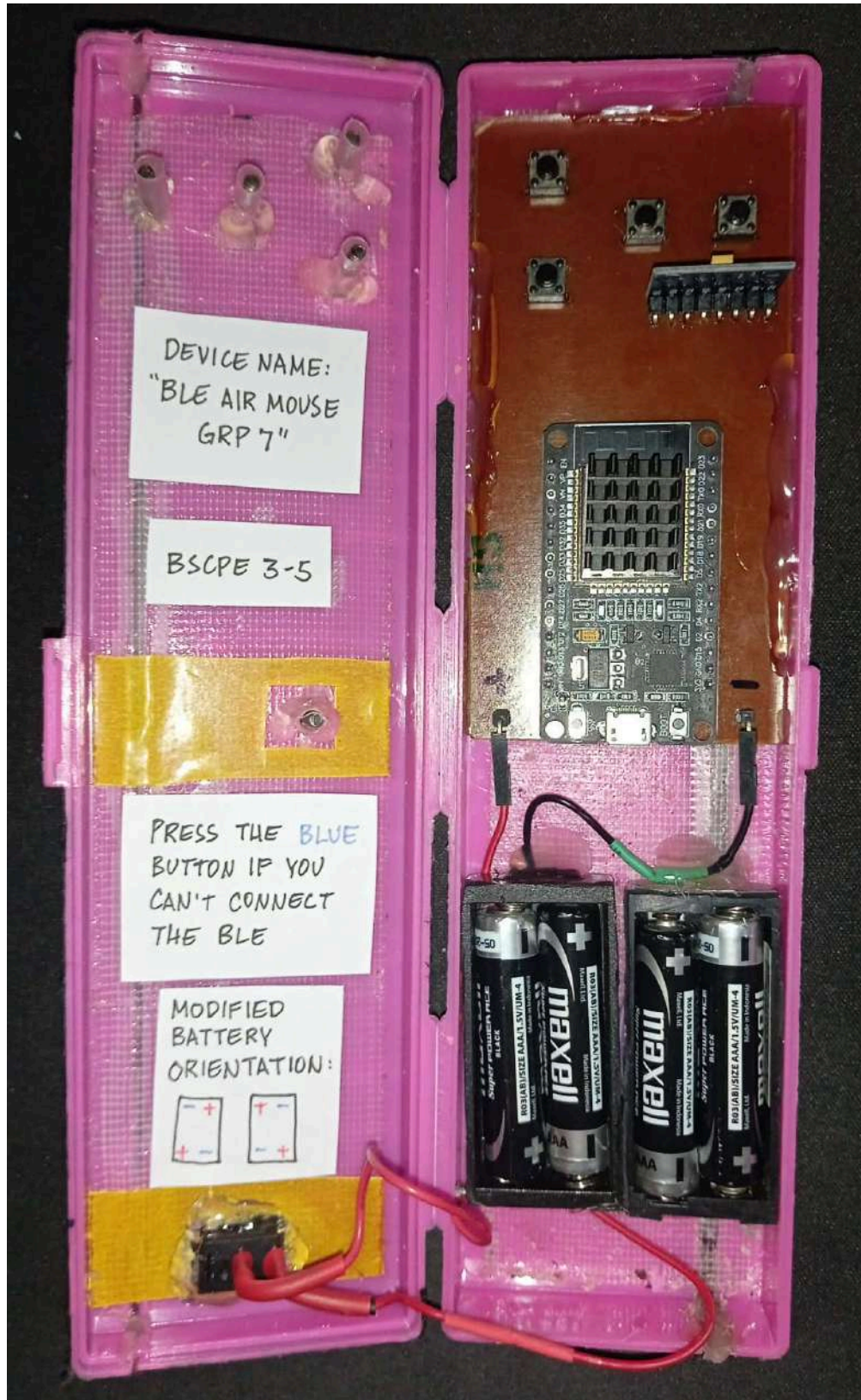


Figure 8. (OPTIONAL) ESP32 with Heat Sink for Protection in Finalized Air Mouse.