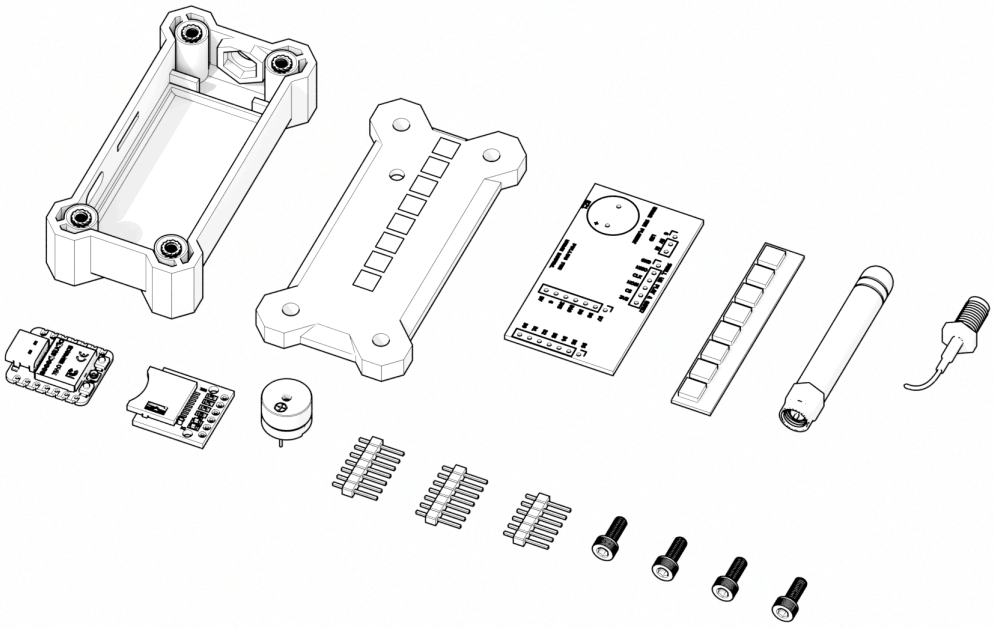
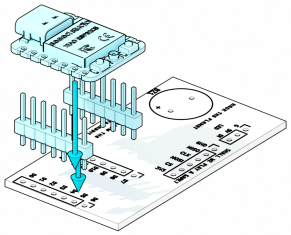
SignalSweep kit assembly

1



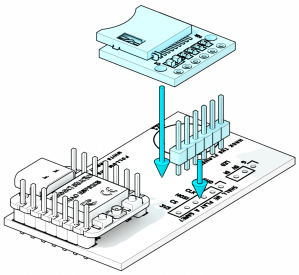
Check the parts: case, lid with diffuser, carrier board, LED stick, antenna, pigtail, XIAO, SD reader, piezo, 3 headers, 4 screws.

2



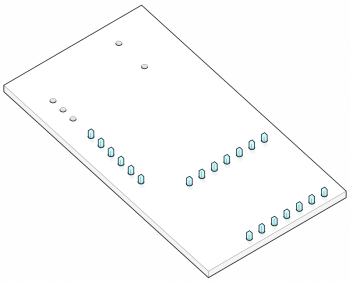
SOLDER 7-pin headers, then the XIAO. USB-C at the board edge. Solder every pin twice: on top of the XIAO, then flip and solder under the board.

3



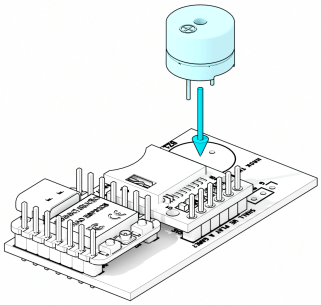
SOLDER 6-pin header, then the SD reader. Card slot at the board edge. Again, top and underside.

4



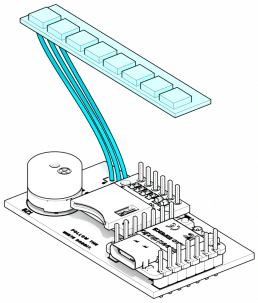
SOLDER Flip the board. Solder every pin here too.

5



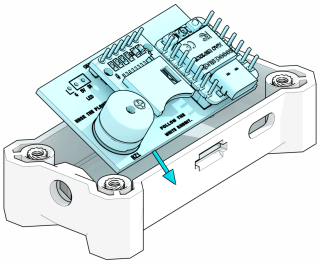
SOLDER Piezo. **+** goes to the marked pad.

6



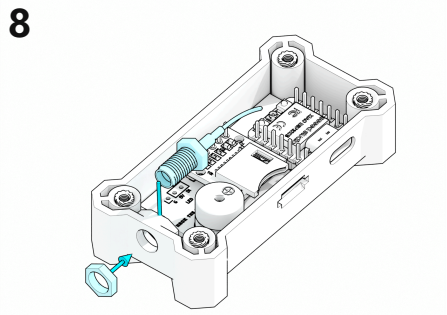
SOLDER Three wires to the LED stick: G→GND, 5V→5V, DI→DIN. Leave slack to reach the lid.

7



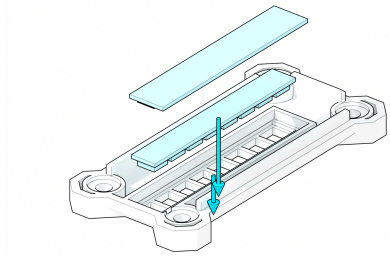
Board in at an angle: USB-C into its hole first, then push the back edge down.

8



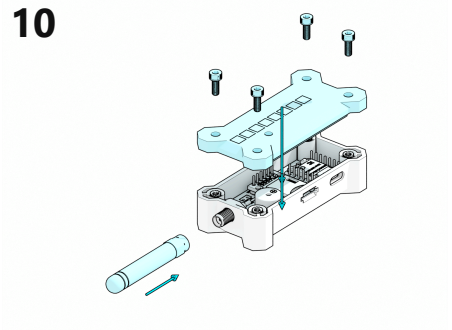
Antenna pigtail from inside the case, out through the end. Nut on the outside. Click the other end onto the XIAO's antenna connector.

9



Lid upside down: diffuser first, then the LED stick, LEDs facing down. Tack with two dabs of hot glue.

10



Lid on, four screws, antenna.

11

Plug in USB-C. Flash at **flash.signalsweep.net**, then open the app from the same page.