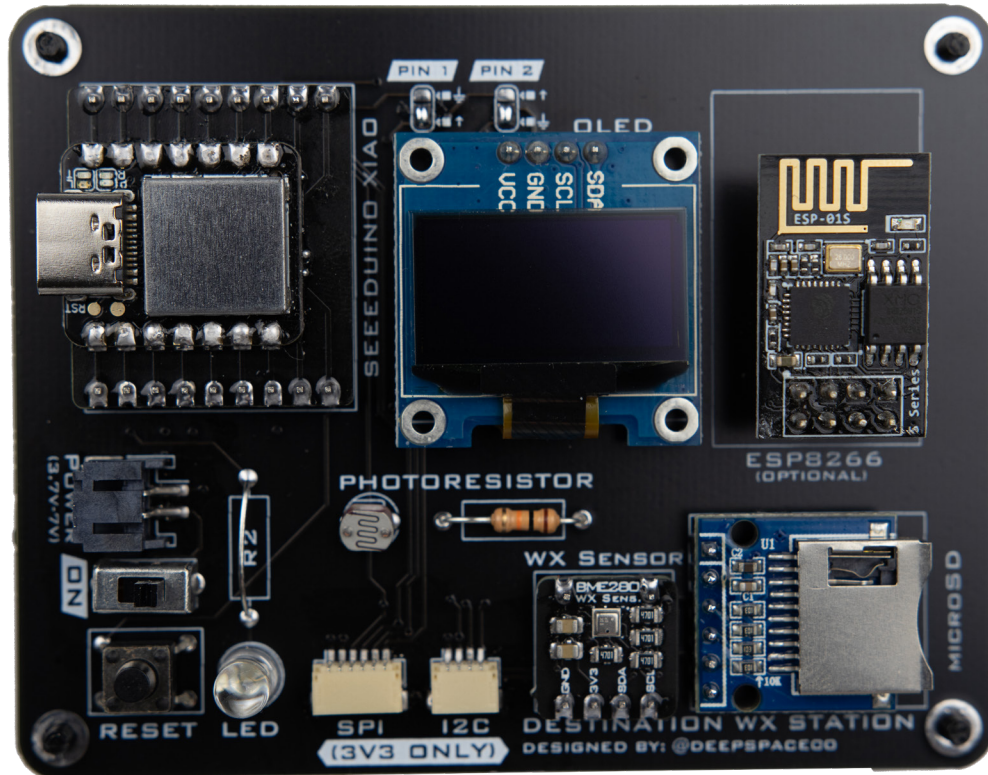


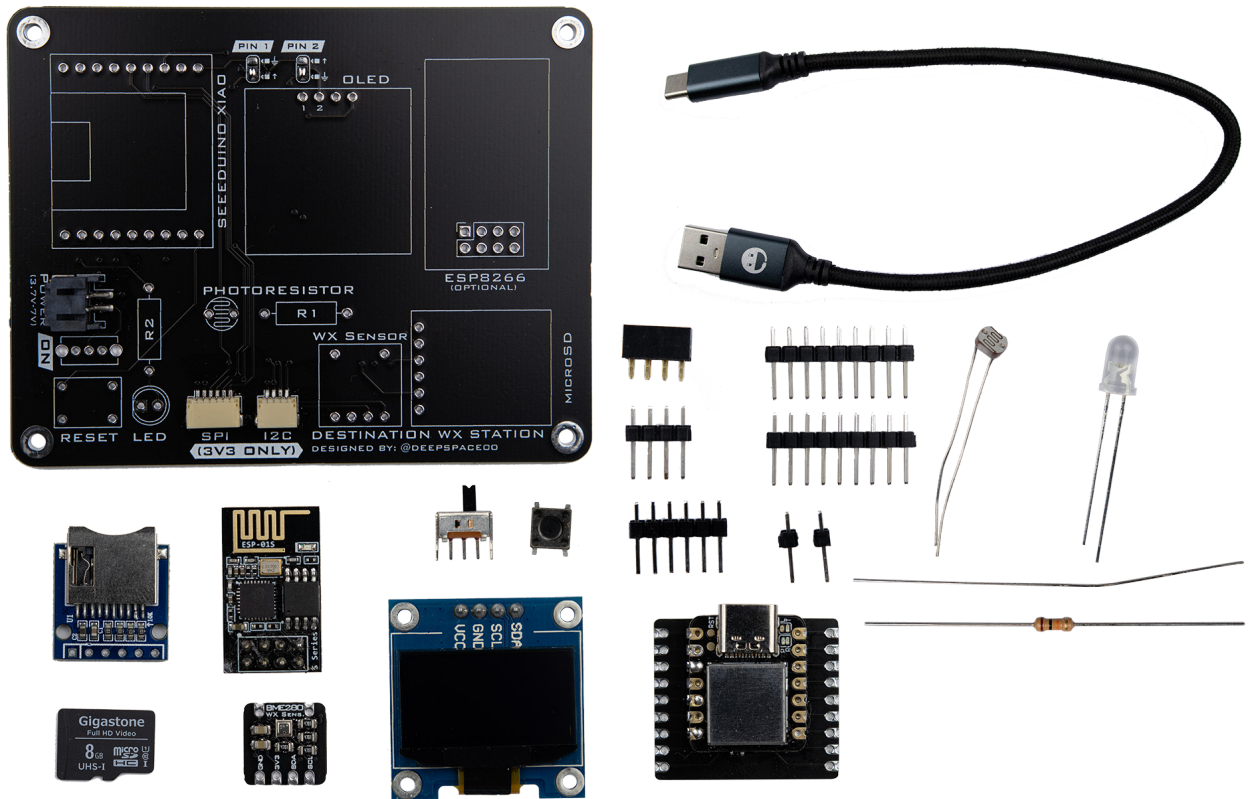
DESTINATION WEATHER STATION ASSEMBLY INSTRUCTIONS

EDITED: 03/12/2022

BY: AUSTIN GLEYDURA



COMPONENTS

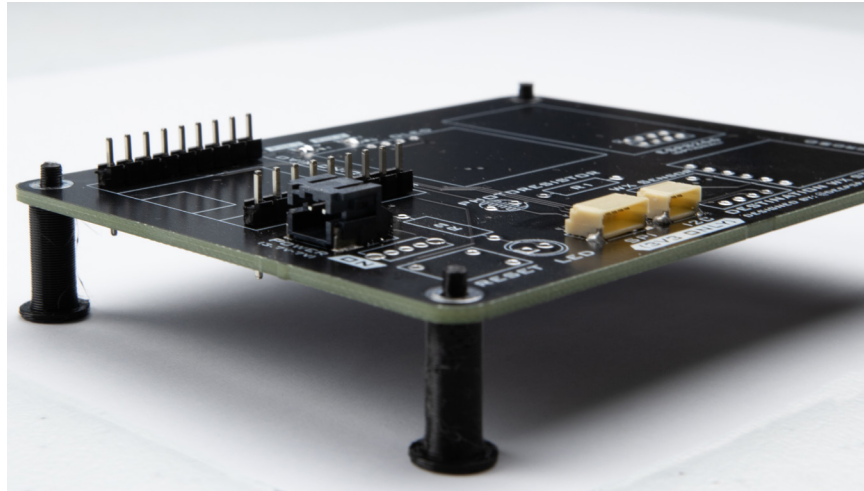


- A. WEATHER STATION PCB
- B. SEEEDUINO XIAO
- C. OLED DISPLAY
- D. BME280 WX SENSOR
- E. PHOTORESISTOR
- F. MICROSD CARD MODULE
- G. LED
- H. POWER SWITCH

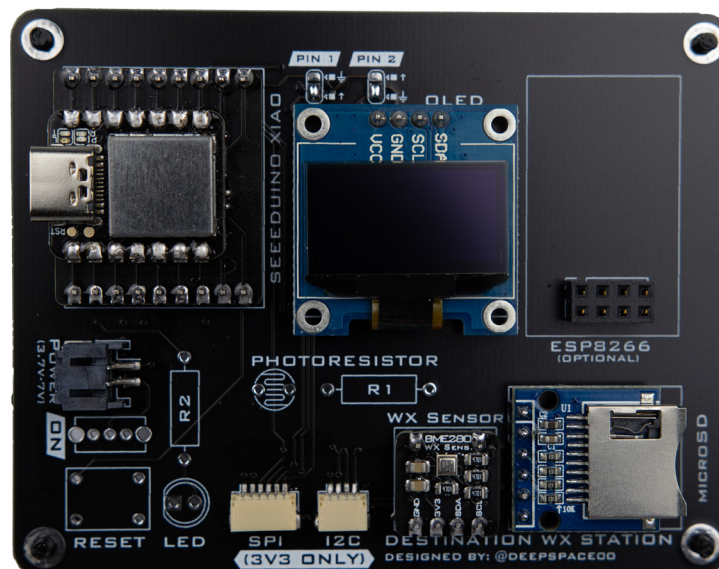
- I. RESET BUTTON
- J. 0 OHM RESISTOR
- K. 10 KOHM RESISTOR
- L. HEADERS
- M. ESP8266 (OPTIONAL)
- N. USB-C CABLE
- O. MICROSD CARD

ASSEMBLY

- PLACE THE LONG SIDE OF THE 1x9 HEADERS INTO THE PCB AS SHOWN BELOW
- SOLDER THE HEADERS ONTO THE PCB



- SIMILARLY, SOLDER THE 1x4, 1x1, AND 1x6 HEADERS TO THE PCB FOR THE WX SENSOR, AND MICROSD MODULE
- SOLDER THE 2x4 HEADER ON FOR THE ESP8266 MODULE
- SOLDER THE XIAO, OLED, WX SENSOR, AND MICROSD MODULE TO THE HEADERS



- SOLDER THE 10K RESISTOR IN R1
- SOLDER THE 0 OHM RESISTOR IN R2
- SOLDER THE PHOTORESISTOR TO THE PCB
- MAKING SURE THE FLAT SIDE OF THE LED IS LINED UP WITH THE MARKINGS ON THE PCB, SOLDER THE LED
- SOLDER THE POWER SWITCH AND THE BUTTON TO THE PCB
- CUT ENDS OF THE LEADS FOR THE RESISTORS AND THE LEDS OFF.

YOUR PCB SHOULD LOOK LIKE THIS

