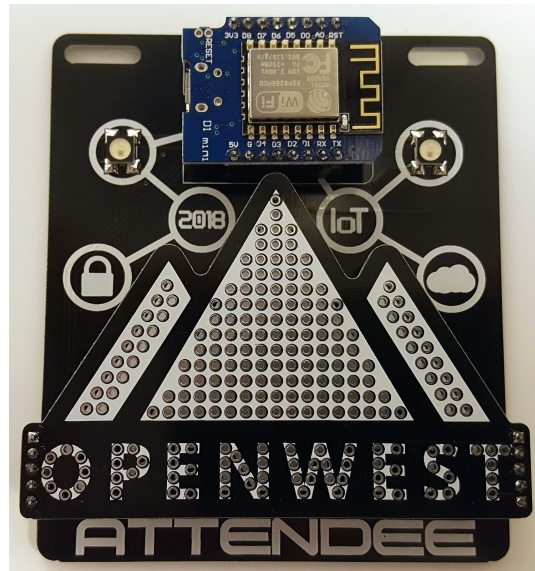
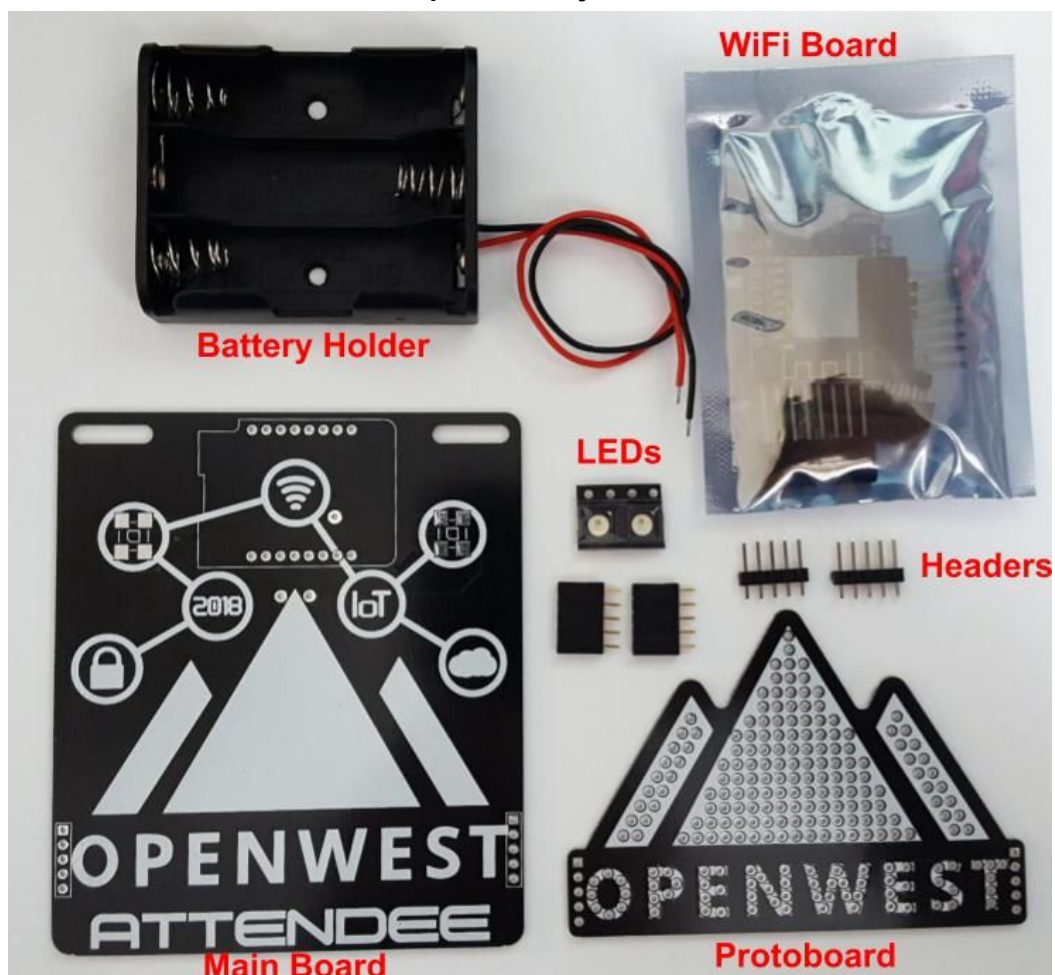


# Badge Build Instructions

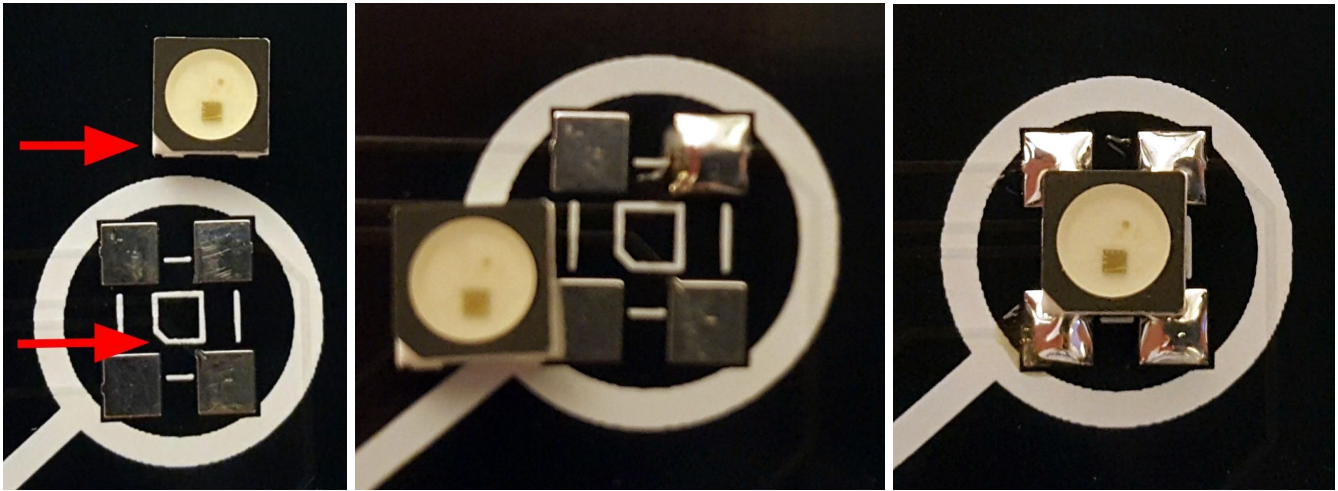
## OpenWest 2018



Step 1: Identify Parts

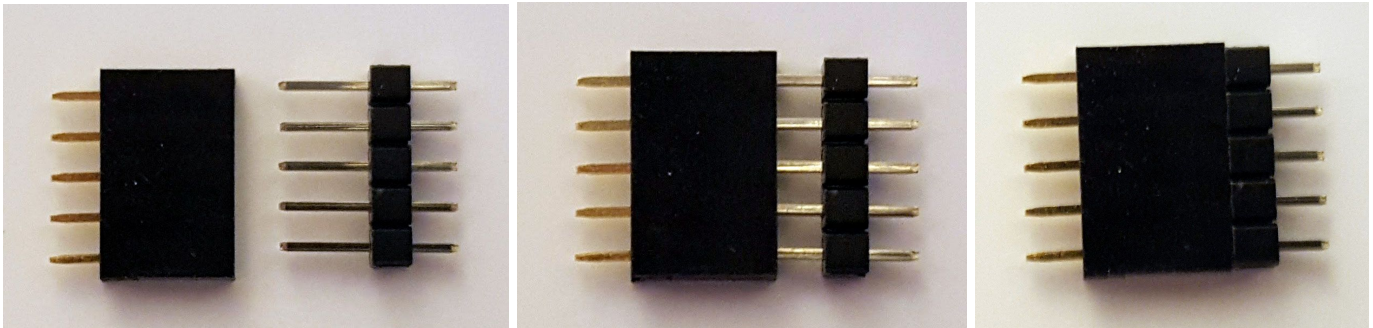


### Step 2: Place LEDs

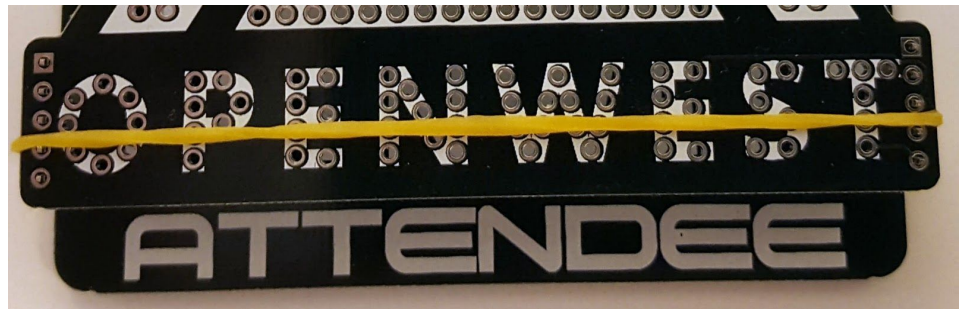
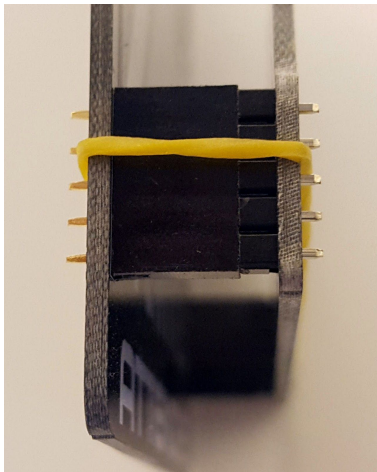


Please note LED orientation. Align the marked corners on the LED and the board. Place solder on one pad first. Using tweezers, hold the LED and place it on the board while simultaneously re-melting the solder with the iron. Remove the iron and the solder will solidify, holding the LED in place. Now solder the other 3 corners of the LED.

### Step 3: Protoboard



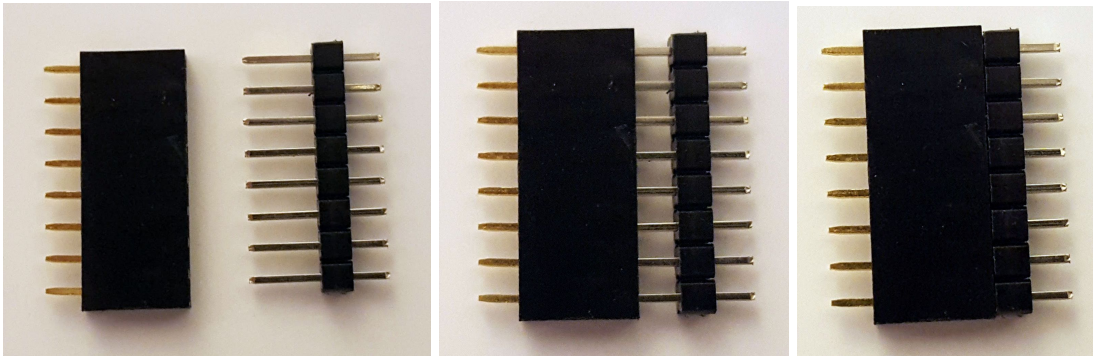
Put the short headers together as shown. Make 2 sets.



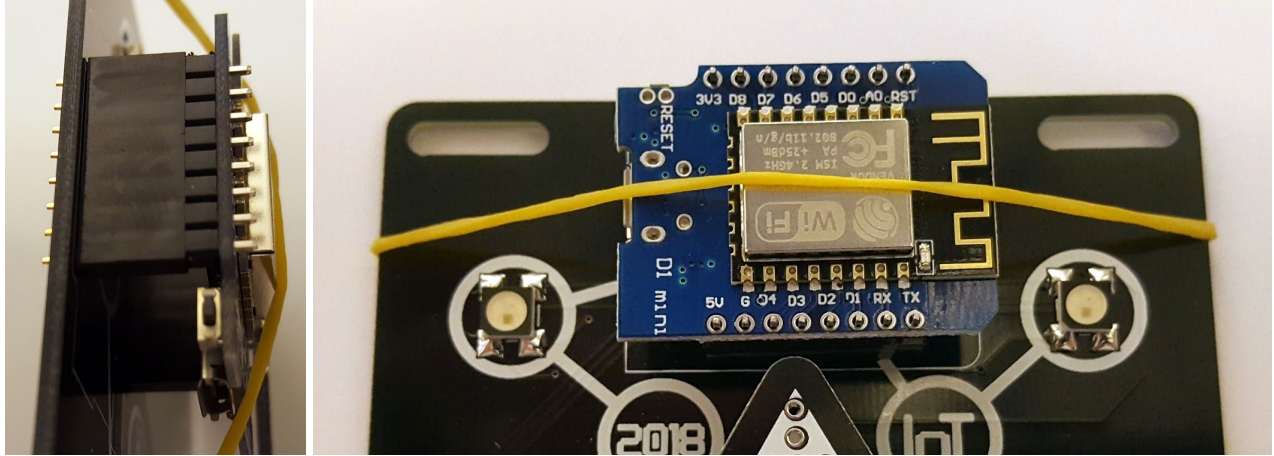
Place the headers into the main board, gold pins first. Then put the protoboard on top. Use a rubber band to hold the protoboard in place while you solder it. Solder one pin on each side of each header. Remove the rubber band and finish soldering the rest of the pins.



#### Step 4: WiFi Board

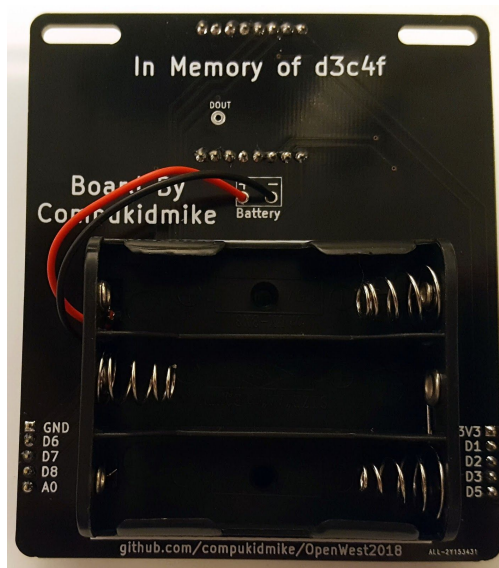


Put the longer headers together like before. Make 2 sets.



Place the headers into the main board, gold pins first. Then put the WiFi board on top. Use a rubber band to hold the WiFi board in place while you solder it. Solder one pin on each side of each header. Remove the rubber band and finish soldering the rest of the pins.

#### Step 5: Battery Holder



Place the battery holder on the back using the sticky pad. Cut the wires to length and strip the ends. Place the stripped ends into the holes marked battery (Red to +, Black to -). Flip the board over and solder the wires.

Congratulations! Your badge is finished! For more info about how it works and what you can do with it, visit [github.com/compukidmike/OpenWest2018](https://github.com/compukidmike/OpenWest2018)