

[Home](#)[Getting Started](#)[DrDuino Pioneer Schematics](#)[Return To Main Lab Area](#)

## Assembly Instructions

- |                                |   |
|--------------------------------|---|
| How To Solder in 5 Easy Steps  | ✓ |
| A Quick Note From Dr. Duino    | ✓ |
| Pioneer Parts List             | ✓ |
| Push Buttons                   | ✓ |
| Current Limiting Resistors     | ✓ |
| Potentiometers                 | ✓ |
| Light Dependent Resistor (LDR) | ✓ |
| Piezzo Buzzer                  | ✓ |
| Discrete LED's                 | ✓ |
| Arduino Uno Headers            | ✓ |
| Addressable LED                | ✓ |
| Pioneer Shield Mounting        | ✓ |
| Using The Remaining Header     | ✓ |

Expansion Pack Headers ✓

Quality Check ✓



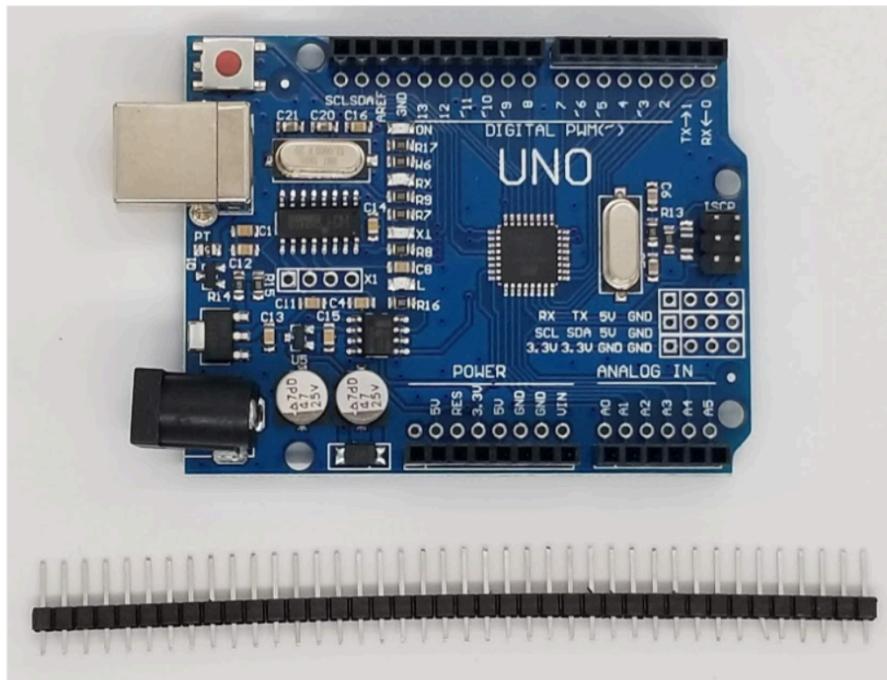
### Assembly Manual Instructions

## Arduino Uno Headers



### Parts Used In This Step

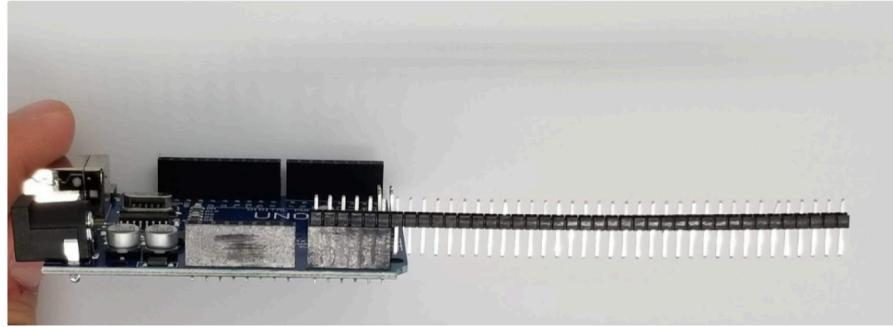
Quantity	Description
1	Arduino Uno Clone
1	40 Pin Header



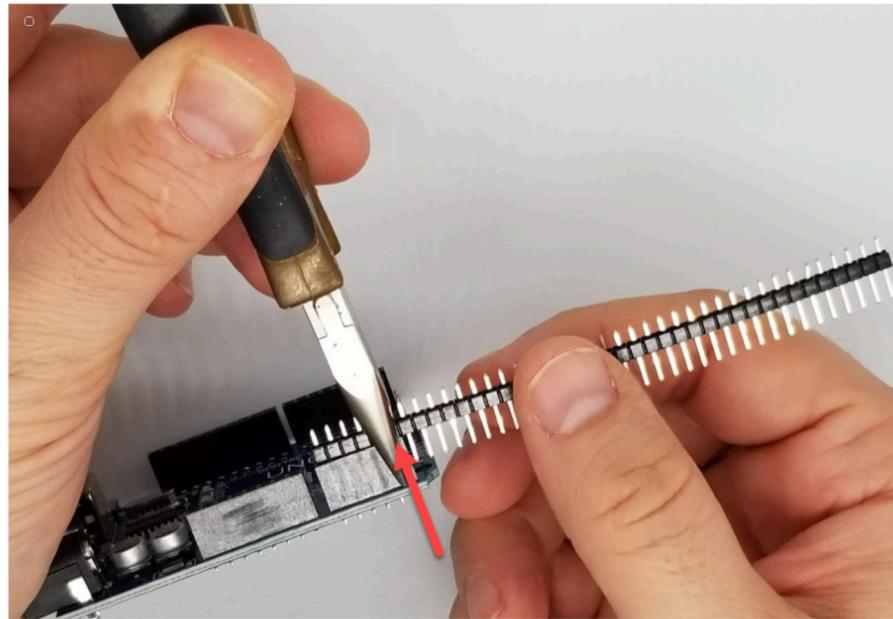
**Note:** During transit, the header shown in the picture above, may already be broken apart. This is ok as we will be breaking it up into smaller pieces anyway.

# Male Header Installation and Instructions

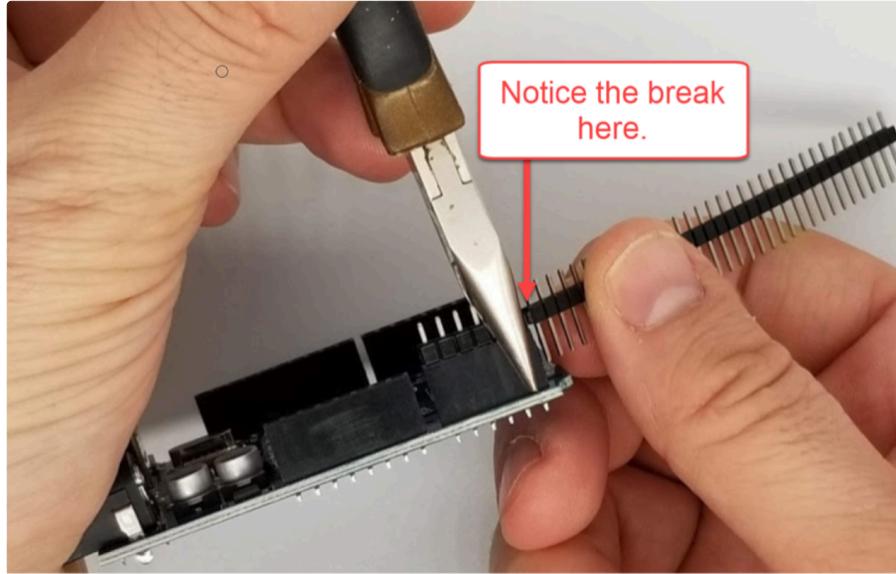
- 1) Place the long side of the header into the female Analog in socket labeled A0 through A5.



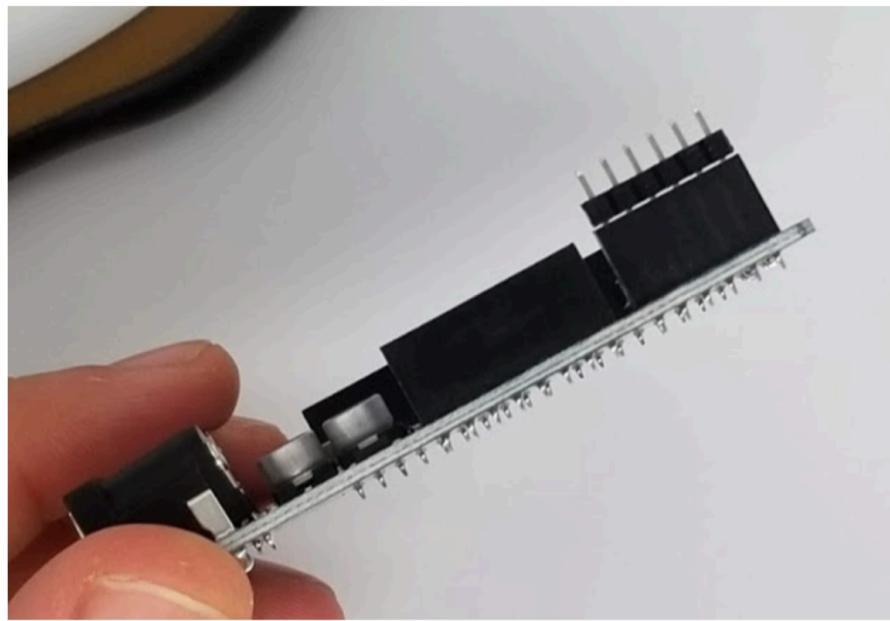
- 2) Using pliers, firmly grasp the last pin which is inserted into A5 and the female header at the same time.



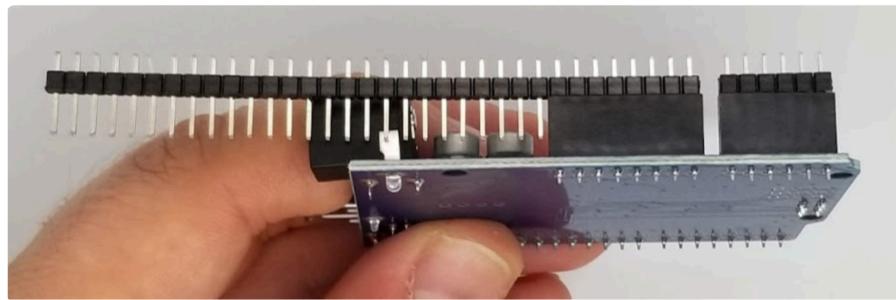
- 3) Next, gently break off the larger portion of the header by pulling or pushing on it until it snaps. Here is what that will look like.



4) This is what you will be left with after the clean break.



5) We will now do this same technique for all of the other female sockets on the board.



6) Once complete, your Uno should look like this.

Please note you will have extra headers left over; we will use those later.

