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

Piezzo Buzzer

Parts Used In This Step

Quantity	Description
1	150 Ohm Resistor
1	Piezo Buzzer

- Find the resistors which have the following color bands.

Brown, Green, Black, Black, Brown

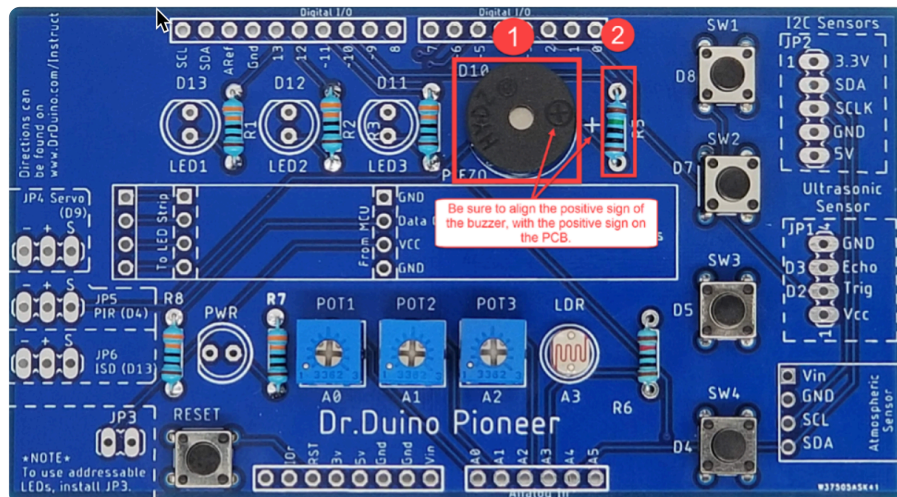- Locate the piezo buzzer and peel off the sticker.

Installation and Instructions

1) Populate the piezo buzzer into the PCB paying particular attention to the orientation of the PLUS sign.

Remove the sticker, it is not needed and will make the buzzer sound lower than it should.

2) Populate the 150 ohm resistor into the following location.

3) Flip the board over and bend the wires so they don't fall out. These will be soldered later.

Please Note!

Later on, you'll be testing the buzzer to make sure it works.

Some customers have a hard time hearing the buzzer, if you experience this, you can try swapping out the resitors to a lower value.

1) The kit ships with a 150 ohm resistor, you can lower this value to a 100 ohm.