

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

Current Limiting Resistors



Parts Used In This Step

Quantity	Description
5	330 Ω (ohm) resistors

First, make sure you have the correct resistor. If you choose the incorrect one, the circuits will not operate as intended and may cause damage.

Here is how to identify the correct 330 Ω resistor:

Each resistor is always color coded.

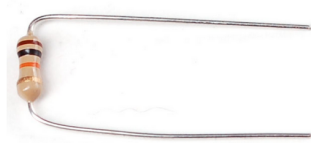
Find the resistors which have the following color bands:

Orange, Orange, Black, Black, Brown

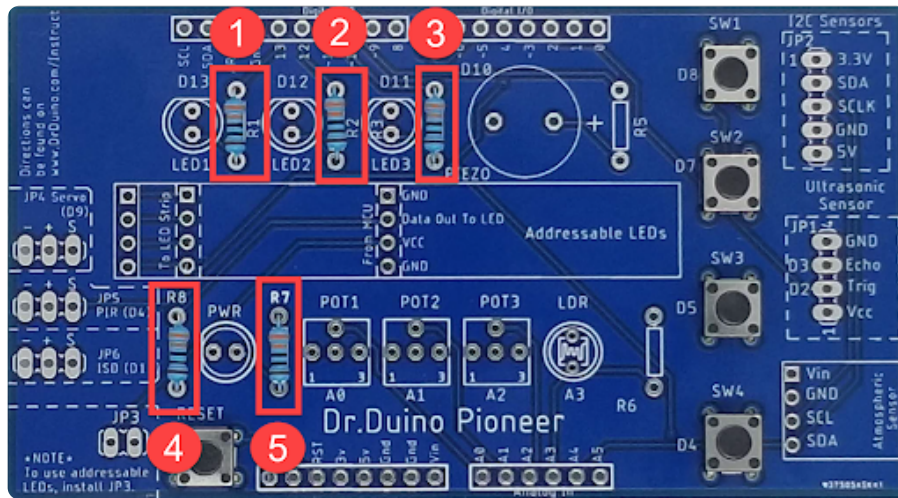


Installation Instructions

1) Bend the wires attached to the body of the resistor as displayed below.

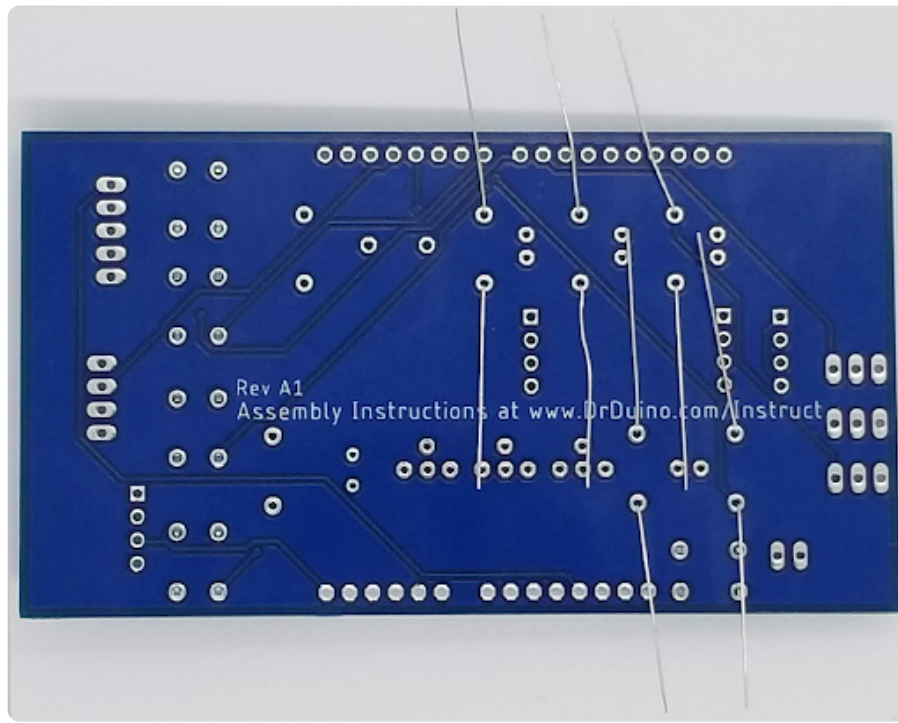


2) Populate the five 330 Ohm resistors into the following locations.



3) Flip the board over and bend all the resistor wires as shown.

We will solder these later after we populate some more components.



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