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Assembly Instructions

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|--------------------------------|---|
| 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



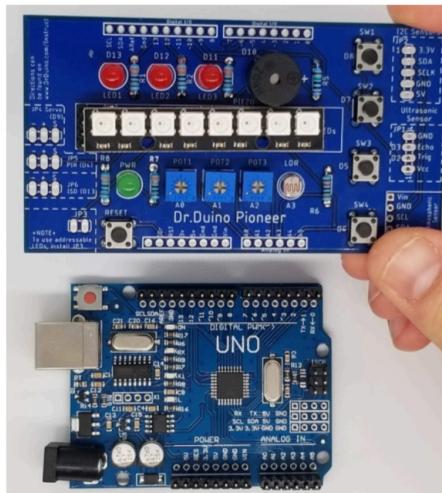
Assembly Manual Instructions

Pioneer Shield Mounting



Parts Used In This Step

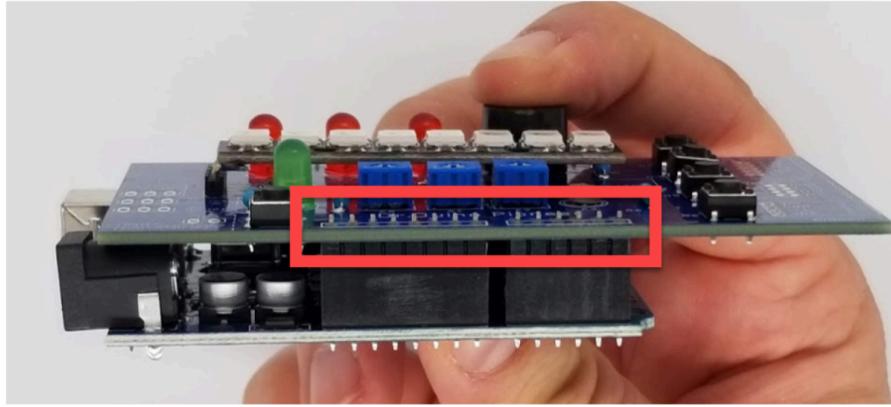
Quantity	Description
1	Pioneer shield
1	Arduino Uno



Installation Instructions

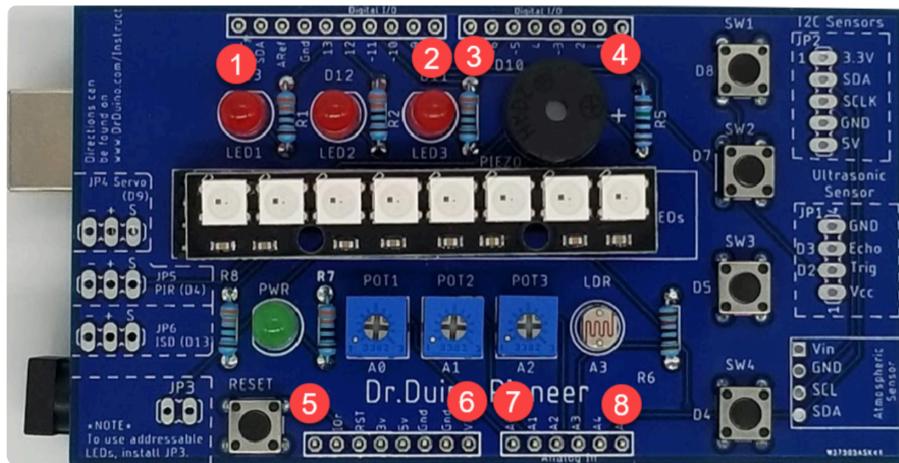
- 1) Place the Pioneer shield over the Uno headers as shown below.

Push the male headers from the Uno through the Pioneer shield. It will only go in one way, so not to worry.



3) Tack solder the following pins while the Pioneer and Uno are stacked together.

Only solder these 8 pins for now.



4) Unplug the Pioneer from the Uno.

5) Finish soldering the rest of the pins on the Pioneer. We did it this way so that we do not overheat the female sockets on the Uno which could cause damage.