

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

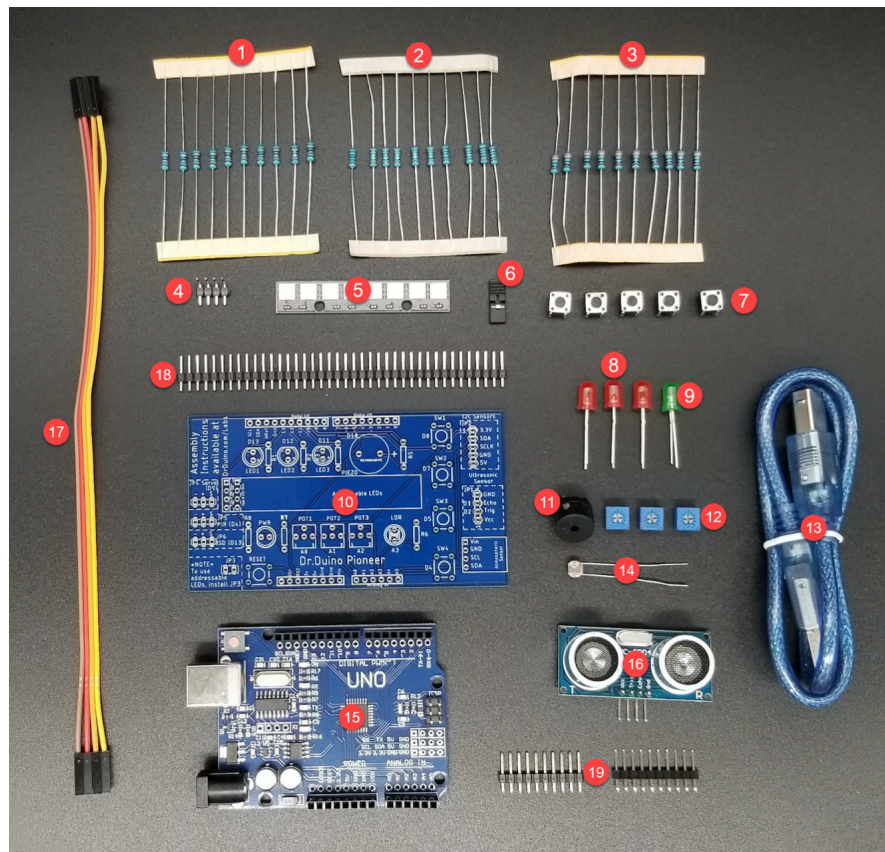


Assembly Manual Instructions

Pioneer Parts List



Before you begin, layout everything in front of you and verify you have all the parts in the picture below. If anything is missing, please submit a help ticket. See previous section for details.



Item Number	Quantity	Description
1	10	Resistors (330Ω)
2	10	Resistors (150 Ω)
3	10	Resistors (10 KΩ)
4	1	4 Pin Right Angle Header
5	1	8 Channel Addressable LED Stick
6	1	Shunt
7	5	Push Buttons
8	3	Red LEDs
9	1	Green LED
10	1	Dr.Duino Pioneer Shield
11	1	Piezo Buzzer
12	3	10kΩ Potentiometers
13	1	USB Cable
14	1	Light Dependent Resistor (LDR)
15	1	Arduino Uno Clone
16	1	Ultra-Sonic Sensor
17	1	Female to Female Dupont Wires
18	1	40 Pin Header
19	2	10 Pin Headers