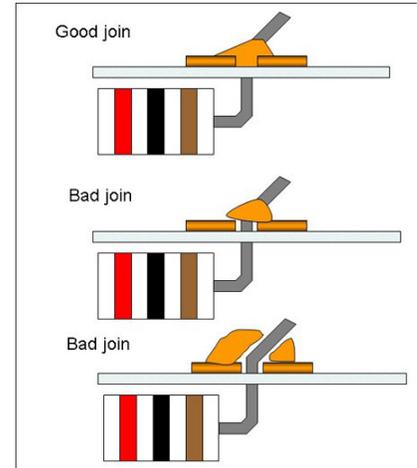
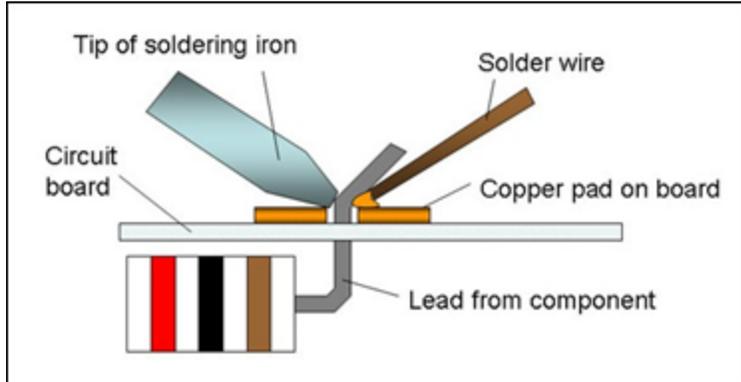


How to Properly Solder a Connection

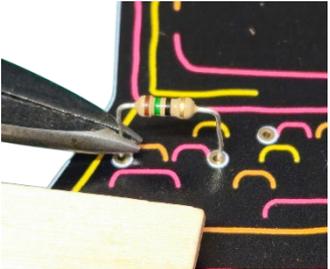
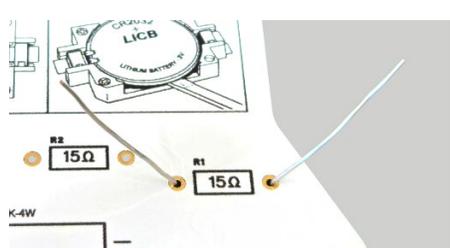
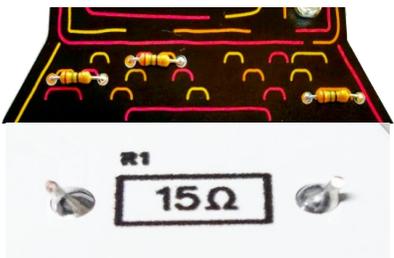
- The tip of the soldering iron heats both the copper pad and the lead from the component.
- Solder melts when placed in contact with the hot metals.
- Feed solder on to the parts, not the iron.



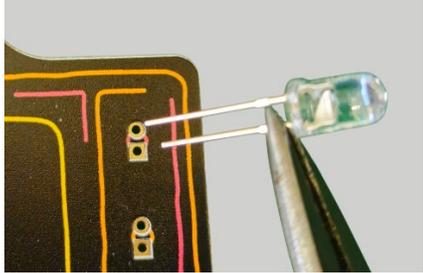
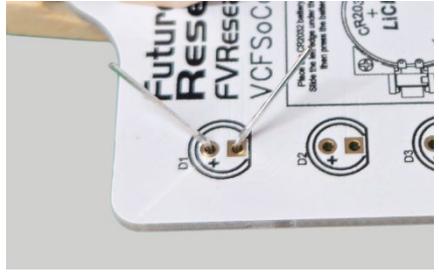
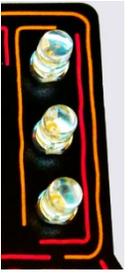
Install and solder your parts one at a time in his order:

	Resistors Not Polarized	
	LEDs (Light Emitting Diodes) Short Lead is Negative	
	Slide Switch Knob Faces Down	
	Battery Holder Corner Notch on Positive Side	

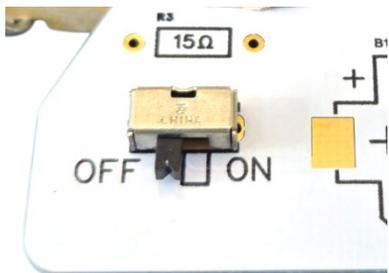
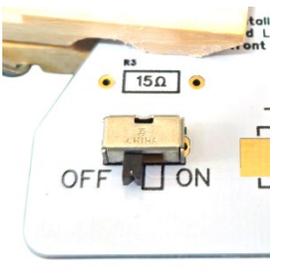
1) Resistors

Bend resistor's leads and insert into the proper holes. Then turn the badge over.	Gently bend leads at an angle (but not flat against the board). Then solder into place.	Confirm that all three resistors are flush against the board before trimming leads. Protect your solder connections by leaving 1-2 millimeters of lead above the solder joint.
		

2) LEDs (Light Emitting Diodes)

<p>Bend LED's leads and insert into the proper holes. Short lead goes into square pad. Then, turn the badge over.</p>	<p>Gently bend leads at an angle (but not flat against the board). Then solder into place.</p>	<p>Confirm that all three LEDs are flush against board before trimming leads.</p>
		

3) Slide Switch (Installed on the back of the badge.)

<p>Insert the slide switch with knob facing down. (As shown on silkscreen). The switch will hold itself in place. Then turn the badge over.</p>	<p>Solder the two outside pins, confirm the switch is sitting flush, then solder the three remaining pins. DO NOT TOUCH THE SWITCH, IT WILL BE HOT!</p>	<p>You do not need to trim the switch. Set the switch to the "off" position.</p>
		

4) Battery Holder (Installed on the back of the badge.)

<p>Place the battery holder on the badge, following the outline. The corner notch indicates positive.</p>	<p>To solder, hold the iron over the tab and feed solder. Be sure to solder both tabs.</p>	<p>Solder should cover the entire tab.</p>
