

Confident Makerbox

Recipy: Solder LED-eyes

What else do you need:

- Soldering iron
- Solder
- Side cutting plier

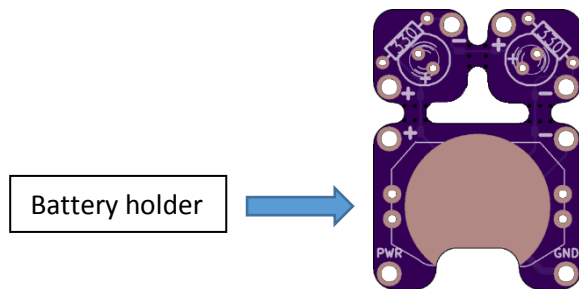
	The solderkit contains:	
1	Printed Circuit Board	❶
1	CR2032 battery holder	❷
1	CR2032 battery	❸
2	330-ohm resistors	❹
2	∅ 5mm LEDs	❺



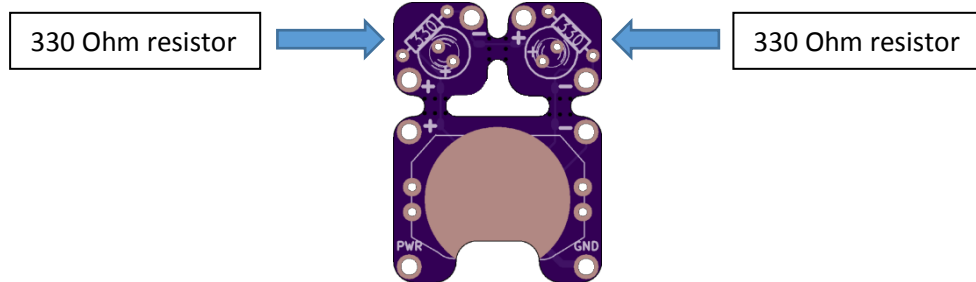
LED eyes can be soldered and tested in a matter of minutes. It can then be used, as-is, to add some bling to a craft project, or broken apart and sewed into a soft-circuit using conductive thread.

Assembly instructions:

1. Solder the CR2032 batteryholder ❷ to the board ❶.

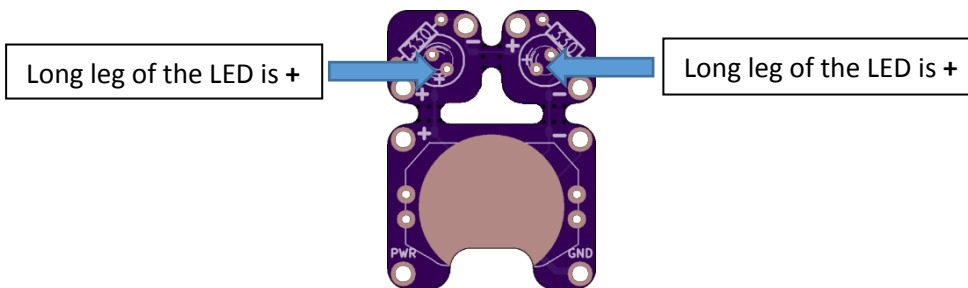


2. Solder the two 330-ohm resistors ④ to the board.



Then trim the resistors with a side cutting plier.

3. Solder the two LEDs ⑤ to the board. Watch the polarity!



The longer leg on the led is the + and is marked on the board. Then trim the legs with a side cutting plier.

4. Insert the battery ③ and enjoy your LED-eyes.



The **longer leg** on the Led indicates the positive, anode pin. (+) If someone trimmed the legs, try finding the flat edge on the LED's outer casing. The pin nearest the **flat edge of the LED** will be the negative, cathode pin. (-)

Tip:

To see an example of what you can do with felt, LEDs, and some conductive thread, see

<http://www.instructables.com/id/Creating-a-Soft-Circuit-Project-with-SnapNsew/>