



# LED Bracelet

A simple conductive sewing bracelet that uses button snaps and Crazy Circuits.

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## INTRODUCTION

This simple conductive sewing project can be made with a variety of themes. Our example project uses a Christmas tree, but you can decorate yours any way you want. The circuit is "turned on" when the two button snaps are connected, making for a fun and interactive end project.



### TOOLS:

- [Scissors](#) (1)



### PARTS:

- [Crazy Circuits Starter Sewing Set](#) (1)

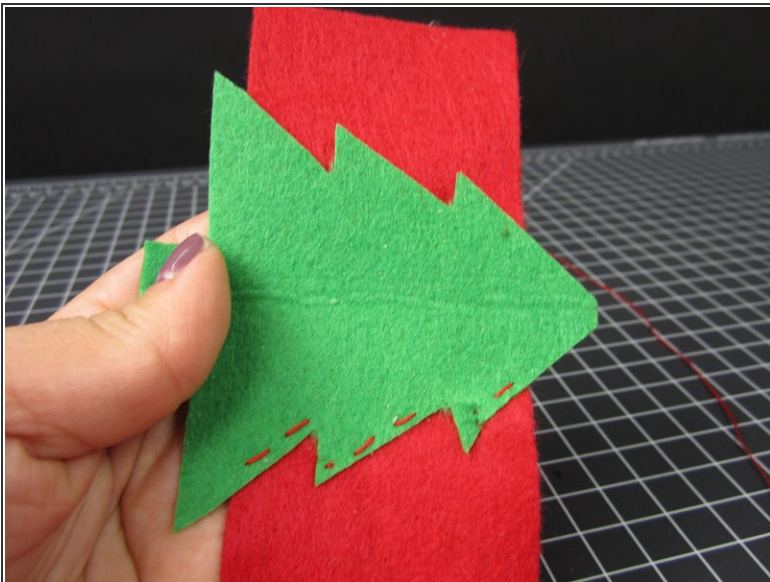


## Step 1 — Cut Your Fabric



- Cut some fabric to a length that will fit around your wrist.

## Step 2 — Sew Down Your Parts



- It helps to sew down your parts with regular thread before connecting them with Conductive Thread.
- If you have any embellishments, such as our tree, that you want your parts to sit on top of you should sew them down first.

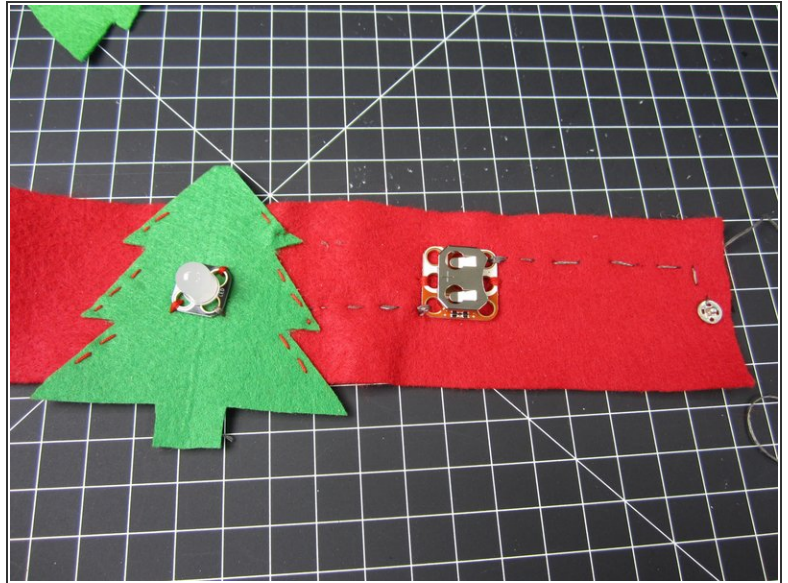
### Step 3 — Connect Positive



- Using Conductive Thread, make several TIGHT loops around one of the Orange holes on your battery holder.
  - Stitch out to the LED.
  - Stitch several TIGHT loops around one of the Black holes on the LED board.
  - Tie off your one of thread, trim any excess.
- ⓘ A strong electrical connection requires tight loops around the holes. If your connection is bad you can always go back and add more Conductive thread loops.
- ⓘ If at all possible, try NOT to use Conductive thread in the same holes you used to tie down your parts back in Step 2.

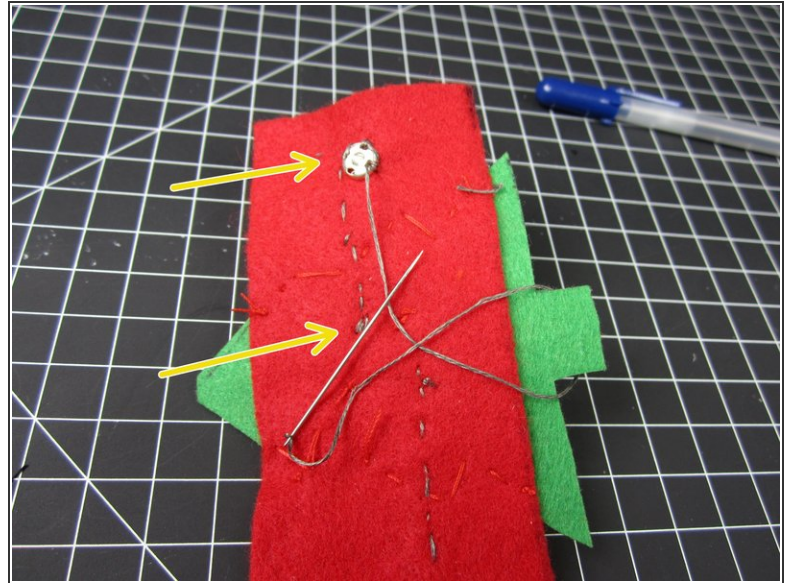


## Step 4 — Connect Negative to a Snap



- Using Conductive Thread, make several tight loops around one of the White holes on your battery holder.
- Stitch out to the end of your fabric, to where you want your button snap to be.
- Sew down the snap using that same Conductive Thread.

## Step 5 — Connect LED to Snap

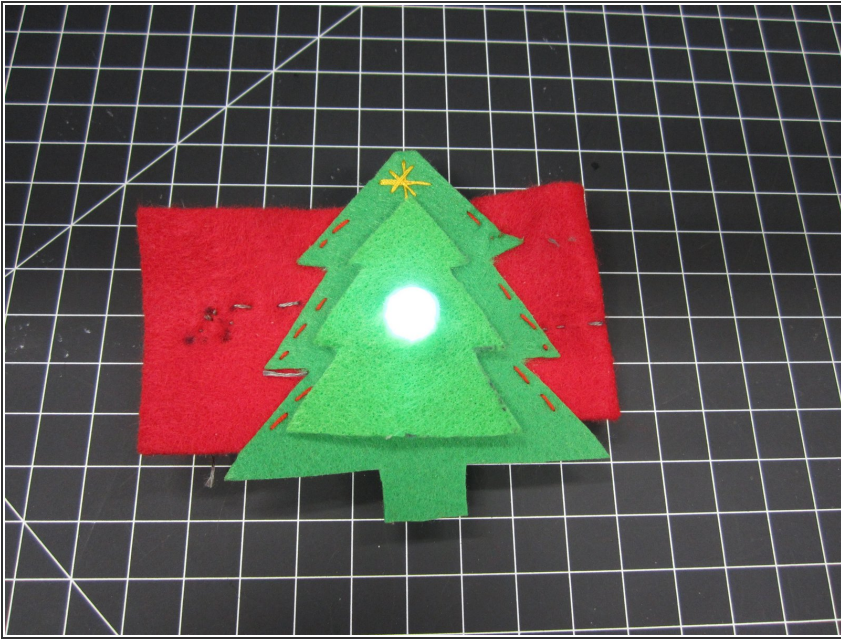


- Using Conductive Thread connect one of the White holes on your LED to the other button snap on the opposite side of your fabric.

**⚠ Make sure your snaps are on opposite sides of your fabric. One on top, one on bottom. Otherwise your wristband won't connect!**

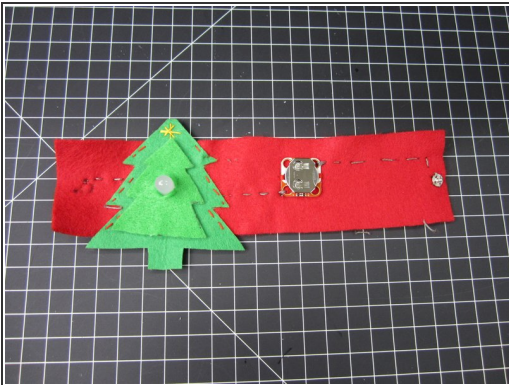


## Step 6 — Test with a Battery



- Put your battery in and see if things work.
- ❗ If your LED is not lighting up, make sure your loops are tight.
- ❗ If your LED is not lighting up, make sure you have no loose threads on the back causing shorts.
- ❗ If your LED is not lighting up, make sure you connected everything properly.
- ❗ If things are STILL not lighting up, try a different battery.

## Step 7 — Add Decorations



- Using regular thread, fabric glue, or even hot glue, add decorations.