



LED Paper Name Tags

Create this fun, light-up version of the classic name tags found in our LED Paper Name Tag Classroom Set.

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INTRODUCTION

Create this fun, light-up version of the classic name tags found in our LED Paper Name Tag Classroom Set.

The Attached Documents section at the bottom of the page contains a single PDF file with step-by-step instructions, the name tags, and a troubleshooting guide for facilitators.



TOOLS:

- [Scissors](#) (1)
- [Push Pin](#) (1)
- [Pen or Marker](#) (1)
- [Markers, Crayons, or Colored Pencils](#) (1)

Optional



PARTS:

- [LED Paper Name Tag Classroom Set](#) (1)
- [Paper Circuits Kit](#) (1)
- [Safety Pin](#) (1)

Step 1 — Preparation



- If you're using our **LED Paper Name Tag Classroom Set** it will have all the components you need. You'll just need to supply scissors and writing utensils.
- Alternately, you can print the paper name tags file attached to this guide, and use LEDs, Batteries, and Maker Tape found in our **Paper Circuits Kit**.
- You'll need to use a safety pin to attach the name tag, or you can use string or other attachment methods.
- Once you've got all your parts sorted you can make a LED Name Tag!

Step 2 — Cut Out Name Tag



- We'll start by cutting out the name tag with scissors.

Step 3 — Write Your Name



- Use a marker, colored pencils, crayons, or other writing utensils to write your name.
- ☑ Now's the time to get creative! You can use any lettering you want, use multiple colors, and even add some drawings or doodles.

Step 4 — Poke Holes using Pin



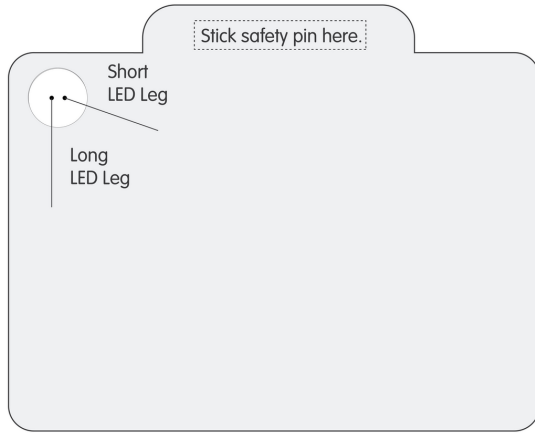
- Use the **Peel & Stick Pin** to poke holes through the front of the Name Tag so you can thread the LED legs through.
- ☑ If you are not using the kit you can use a safety pin or a push pin to make the hole.

Step 5 — Insert LED



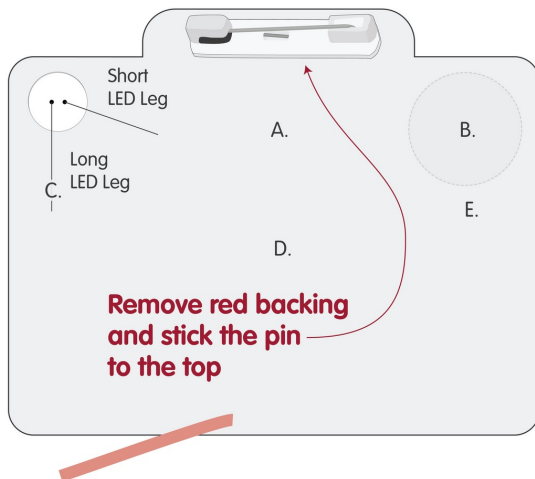
- Insert the LED, making sure to orient the legs properly.
- The **Long Leg** is **Positive**, and needs to go towards the outside edge of the Name Tag.

Step 6 — Bend LED Legs



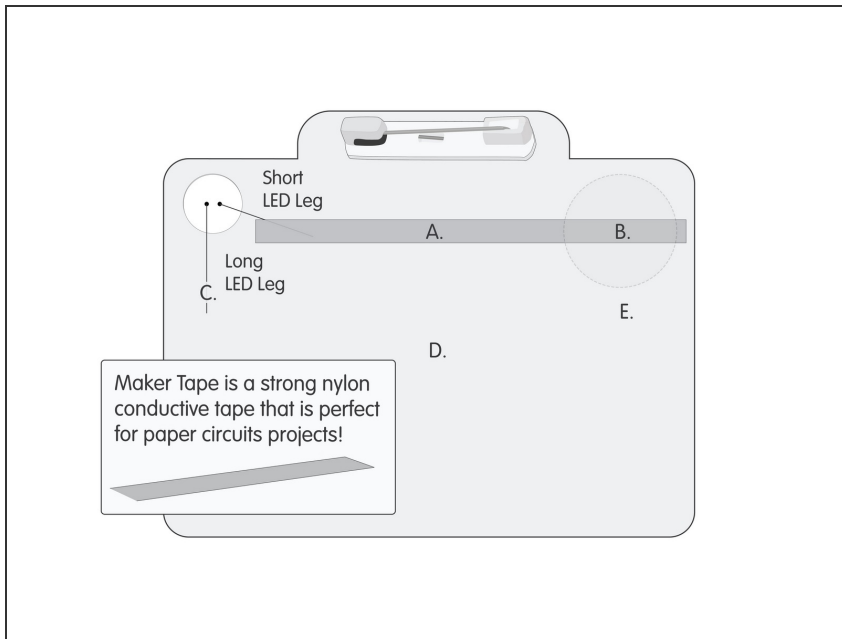
- Bend the LED Legs flat against the paper.
- ☑ Note the **Long Leg** of the LED is towards the outside edge of the name tag.

Step 7 — Add Peel & Stick Pin



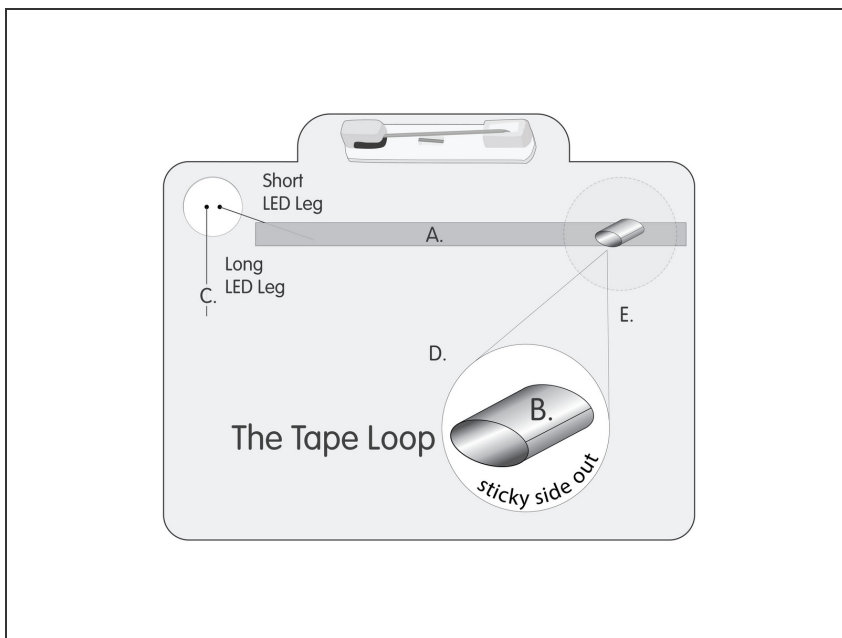
- The kit contains a **Peel & Stick Pin** that will be attached so you can easily wear the Name Tag.
- Remove the piece of backing film from the pin and stick it down.

Step 8 — Add Tape to 'A.'



- We're ready to start building our circuit!
- Measure, cut, peel, and stick a piece of Maker Tape down as indicated atop the letter 'A.'
- The tape should hold down the **Short LED Leg** so it makes the electrical connection for our circuit.

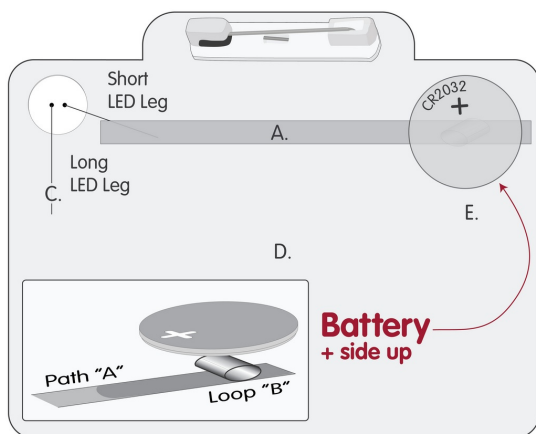
Step 9 — Add Tape Loop 'B.'



- Use Maker Tape to create a **Tape Loop** (with the sticky side facing out) and stick it down to the right side of the tape strip 'A.'
- The Tape Loop should be about half the diameter of the Battery. (You can use the battery outline circle as a guide.)

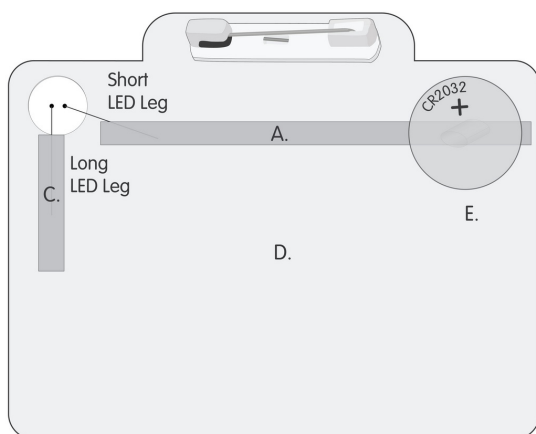
⚠ If the Tape Loop is too large it may short out the battery.

Step 10 — Add Battery to 'B.'



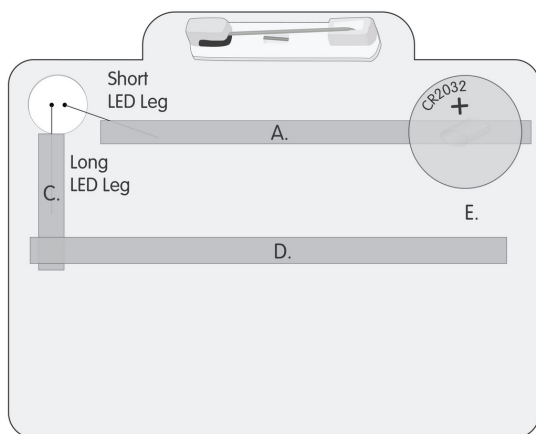
- Stick the Battery atop the Tape Loop '**B.**' with the **Positive (+)** side up.
- The Battery should stick down to the Maker Tape securely and the tape will hold it in place.

Step 11 — Add Tape to 'C.'



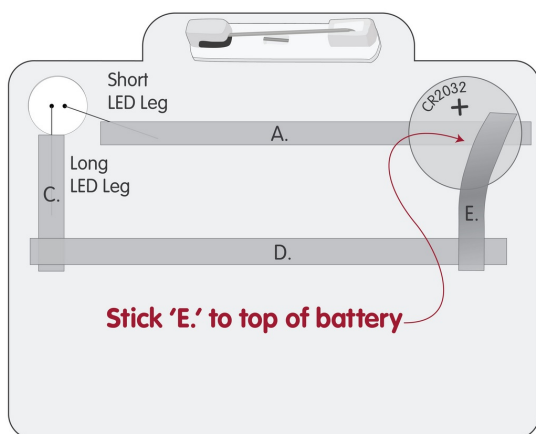
- Measure, cut, peel, and stick a piece of Maker Tape down as indicated atop the letter '**C.**'
- The tape should hold down the **Long LED Leg** so it makes the electrical connection for our circuit.

Step 12 — Add Tape to 'D.'



- Measure, cut, peel, and stick a piece of Maker Tape down as indicated atop the letter '**D.**'
- Make sure the tape overlaps the piece of tape you added to '**C.**'
- We're almost there! Just one more piece of tape...

Step 13 — Add Tape to 'E.'



- Measure, cut, peel, and stick a piece of Maker Tape down as indicated atop the letter '**E.**' and

press the tape down atop the
Battery.

- Once 'E.' is in place, connecting 'D.' and the **Battery**, your **Name Tag** should light up!

Step 14 — Wear Your Name Tag



- Wear your **Name Tag** and look totally awesome!

Step 15 — All LED Paper Name Tag Files

BROWN DOG Gadgets Paper LED Name Tags Step-by-Step Instructions

1 Cut out name tag

2 Write your name

3 Poke holes using Pin

4 Insert LED

5 Bend LED legs flat

6 Add Peel & Stick Pin

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BROWN DOG Gadgets Paper LED Name Tags Step-by-Step Instructions

7 Add tape to 'A.'

8 Add Tape Loop 'B.'

9 Add Battery to 'B.'

10 Add tape to 'C.'

11 Add tape to 'D.'

12 Add tape to 'E.'

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BROWN DOG Gadgets Common Name Tag Issues and how to fix them!

Tape not overlapping...

Tape A. & E. overlapping...

Tape not under battery...

Page 1

BROWN DOG Gadgets Common Name Tag Issues and how to fix them!

Tape Loop too large...

Battery upside down...

LED legs are reversed...

Page 2

- The attached PDF document below contains these step-by-step instructions, a set of printable name tags, and a troubleshooting guide.
- The troubleshooting guide can assist if you come across a name tag that isn't lighting up. It contains a useful checklist to diagnose any problem(s).
- ★ We've run this workshop with thousands of educators and nearly everyone walks away feeling comfortable and confident with the activity,