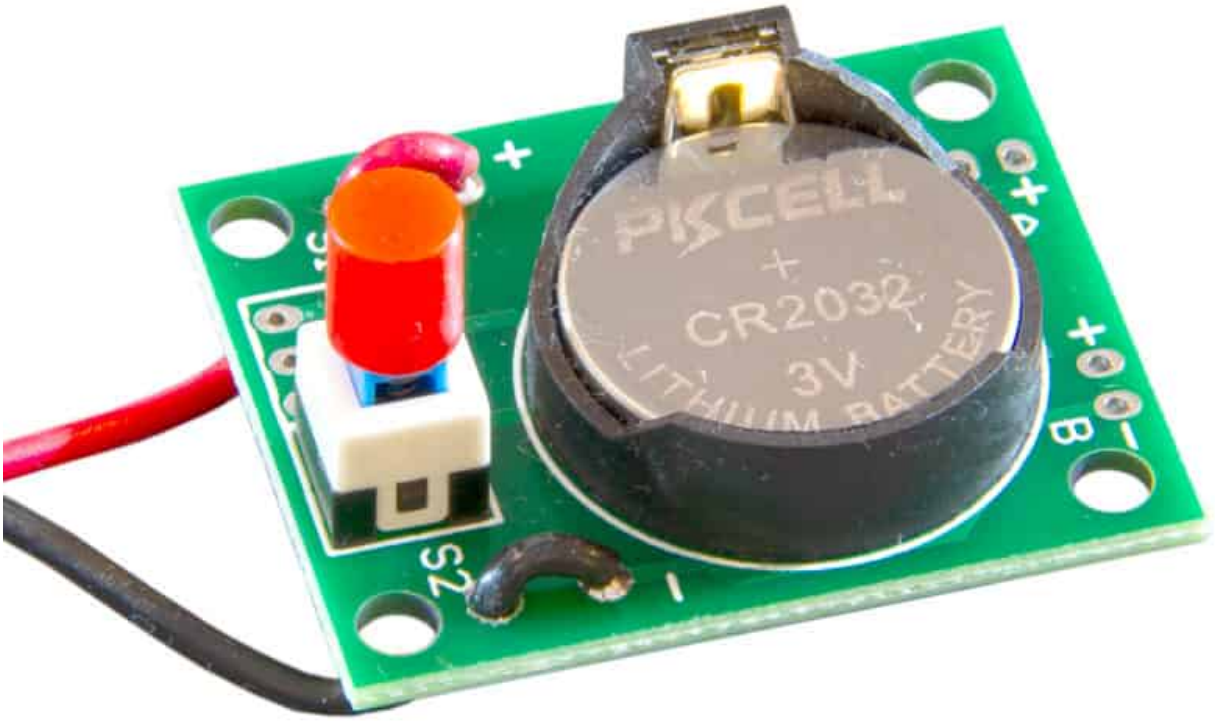

pictur1: 3V battery holder with push-button

3V battery holder with push button to disconnect and make it active by fingerprint by Arduino

To create a circuit that uses a fingerprint sensor to activate a 3V battery holder with a push-button disconnect, you'll need the following components:

1. Fingerprint sensor module

2. Arduino board

3. 3V battery holder with push-button disconnect (such as the one I mentioned in pictur1)

4. NPN transistor (such as the 2N3904)

5. 1k ohm resistor

6. Jumper wires

7. Breadboard (optional)

the steps to create the circuit:

1. Connect the fingerprint sensor module to the Arduino board according to its datasheet or instructions. Usually, it involves connecting the power, ground, and data pins to the appropriate pins on the Arduino board.

2. Connect the collector of the NPN transistor to the negative terminal of the battery holder.

3. Connect the emitter of the NPN transistor to the ground of the Arduino board.

4. Connect the base of the NPN transistor to a digital output pin on the Arduino board through the 1k ohm resistor.

5. Connect one terminal of the push-button disconnect switch to the positive terminal of the battery holder, and the other terminal to the digital output pin on the Arduino board that's connected to the base of the NPN transistor.

6. Upload the fingerprint sensor module library and code to the Arduino board, and program it to activate the transistor and push-button disconnect switch when a valid fingerprint is detected.

NOTE:

- **battery holder with push button is only used to disconnect the current flow.**
- **Finger print sensor activating the circuit.**

Keep in mind that this is a general overview and the exact connections and programming may vary depending on the specific components and requirements of your project.