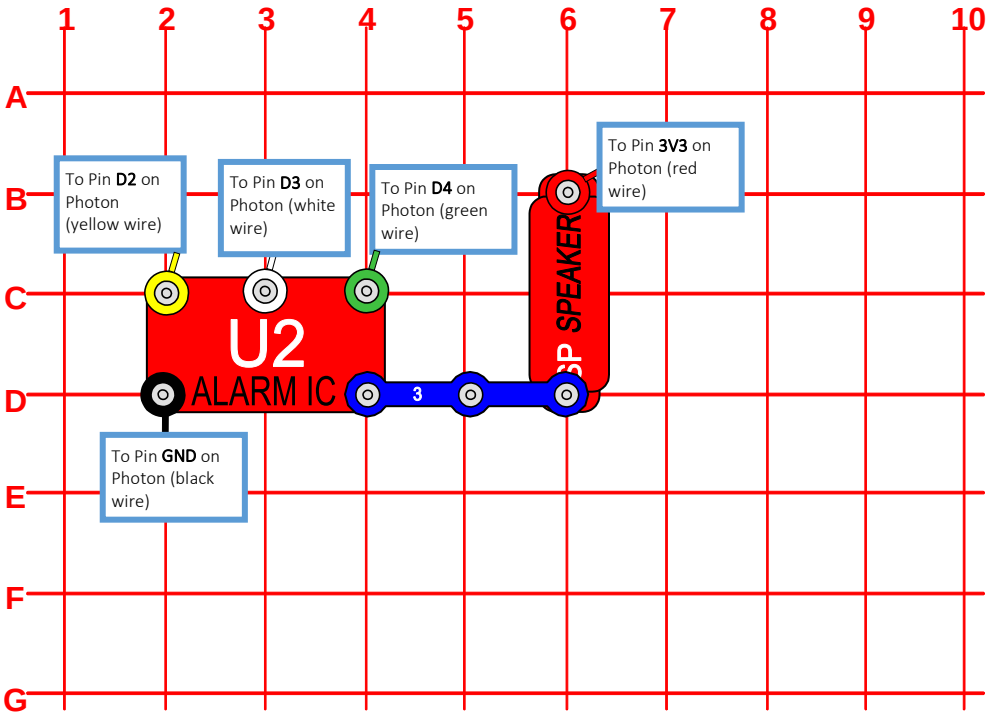
Daniel Porrey
Snap Circuits IoT
https://www.hackster.io/porrey

Internet Sounds



OBJECTIVE: To show how to use a Photon and Tinker to turn trigger different sounds from your smartphone.

Parts List

Quantity	ID	Name	Part #
1		Base Grid Base Grid (11 x 7.7)	6SCBG
1		3-snap wire	6SC03
1	SP	Speaker	6SCSP
1	U2	Alarm IC	6SCU2
5		Snap-to-Pin wire (red, black, green, white and yellow)	SCJW10

Step by Step Guide

1) Snap the four corners of the component **U1** at **C2**, **D2**, **C4** and **D4** (see diagram for correct orientation)
2) Snap component **SP** between **B6** and **D6**
3) Connect a 3 snap wire between **D4** and **D6**
4) Connect the snap end of a **black** wire onto the component at position **D2**
5) Plug the bread board end of the **black** wire from step 4 into **GND** on the Photon in the breadboard
6) Connect the snap end of a **yellow** wire onto the component at position **C2**
7) Plug the bread board end of the y**ellow** wire from step 6 into pin **D2** on the Photon in the breadboard
8) Connect the snap end of a **white** wire onto the component at position **C3**
9) Plug the bread board end of the white wire from step 8 into pin **D3** on the Photon in the breadboard
10) Connect the snap end of a **green** wire onto the component at position **C4**
11) Plug the bread board end of the **white** wire from step 10 into pin **D4** on the Photon in the breadboard
12) Connect your Photon to your power source

Step by Step Guide (continued)

14) Choose Get Started and select your Photon board in the UI
15) Open the Tinker application on your smartphone
16) Click the **D2** button and select **digitalWrite**
17) Click the **D3** button and select **digitalWrite**
18) Click the **D4** button and select **digitalWrite**
19) No vary the three pins, D2, D3 and D4 between HIGH and LOW to create different sounds