Notes About the circuit

.I have a link to how each component is supposed to be wired that way you can check to make sure I did it correctly

.Each sensor comes with pins so I thought we could just plug them into the board because I couldn’t place the parts on Altium. The Flex sensor should go in between pins 1 and 3, the rest of the ports are wired so we can use the programmer to upload our program. To check me you should look at the circuit we made for the hello world and make sure the programmer pins are in the right place, also check to see if the flex sensor is in the right place

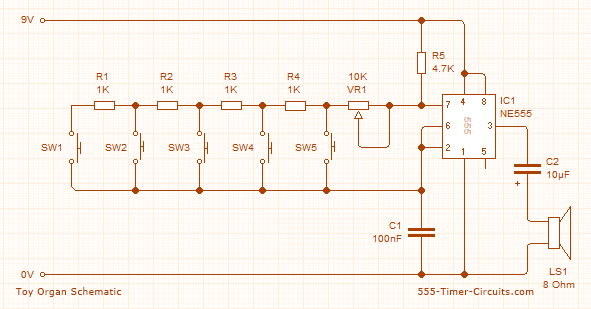
.DC1 and DC2 are BCD to 7 segment display decoders and D1 and D2 are 7 segment displays. The displays had a weird chip layout so can you check to make sure the right pins are connected to the right ports

.For the sounds I copied the NE555 piano circuit, instead of the buttons I used PNP transistors. So I’m thinking that we can change the voltage at the base between 5 and 0 volts to turn the transistor on and off, which should disconnect and connect the circuit.

.The battery pack is mountable, and I thought it looked like something on a real toy so I used it I can change it to the regular one if you want

.Flex sensor setup + code: [How to Connect Flex Sensor to Arduino : 5 Steps - Instructables](https://www.instructables.com/How-to-Connect-Flex-Sensor-to-Arduino/#:~:text=How%20to%20Connect%20Flex%20Sensor%20to%20Arduino.%201,5%20Step%205%3A%20Follow%20Us%20on.%20More%20items)

.Digital IR Sensor setup: [Digital IR Proximity Sensor (0-200cm) - DFRobot](https://www.dfrobot.com/product-2130.html)

.NE555 circuit: 

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