

ELECTRODIBLE

Smart Candy ~~for idiots~~
Workshop

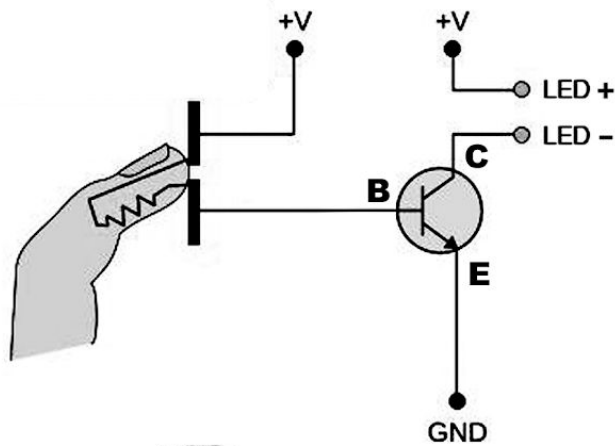
web > idiot.io

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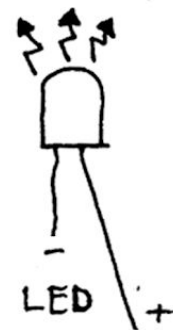
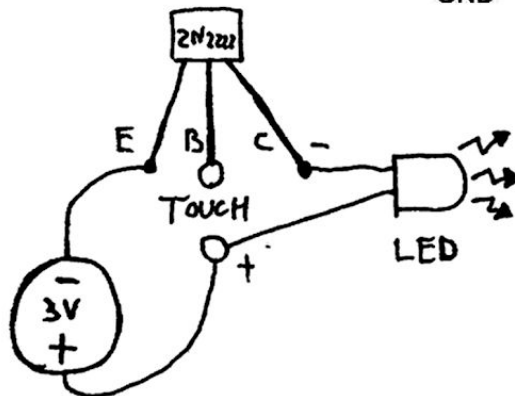
LICK'O'METER



NPN Transistor

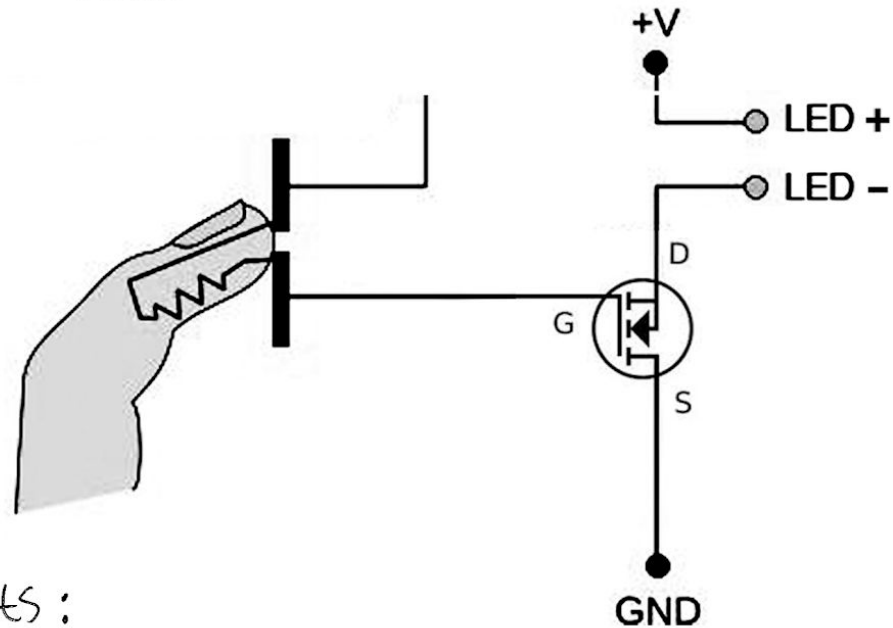


3V COIN CELL

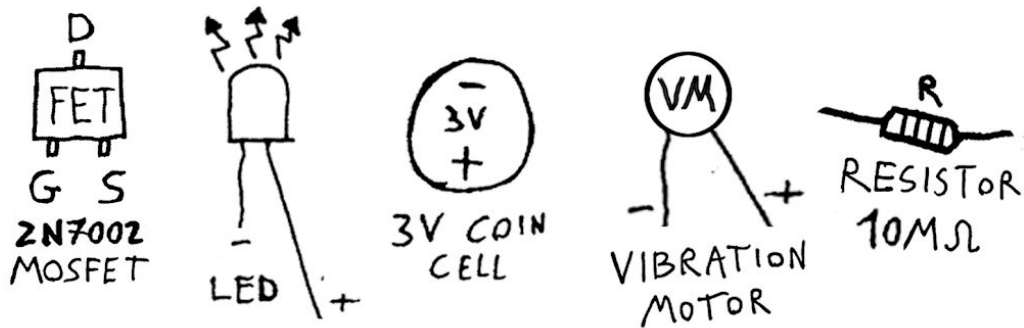


1. connect transistor Emitter (E) to 3V coin cell ground (-).
2. connect transistor Collector (C) to LED ground (-) leg.
3. connect LED (+) leg to 3V coin cell (+).
4. make 2 touch pads / electrodes from copper tape or other conductive material.
5. connect transistor Base (B) to one touch pad.
6. connect 3V coin cell (+) to other touch pad.

① LICK'O'METER



Parts :

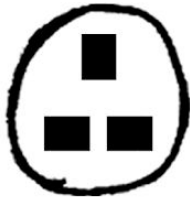


Materials :



② LICK'O'FLASHER

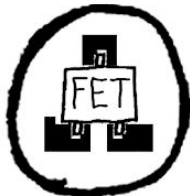
2N7002
MOSFET
N-CHANNEL
TRANSISTOR



1. stick 3 copper tape pads on front side of kapton surface.



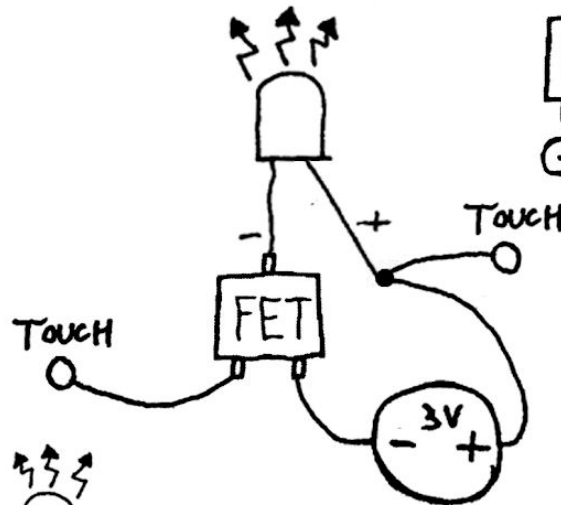
2. stick round copper tape pad on back side.



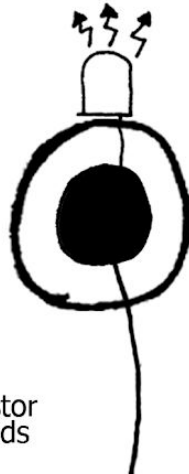
3. solder the transistor onto the copper pads use tweezers.



4. solder LED (-) leg to the transistor drain (D).

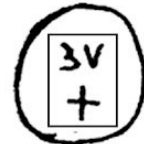


5. solder LED (+) leg to round copper tape pad on back side.

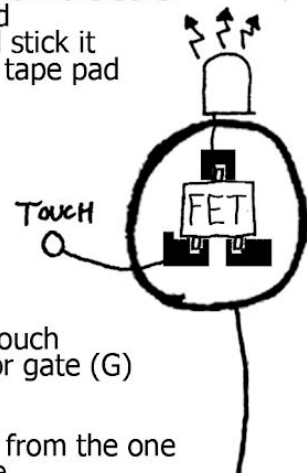


6. solder metal wire stick to round copper tape pad on back side.

7. remove the cover from one side of the EMI shield double side tape and stick it on coin cell (+).



8. remove the cover from the other side of the EMI shield double side tape and stick it on the round copper tape pad on back side.

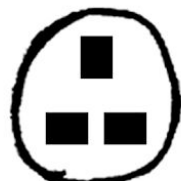


9. solder metal wire touch electrode to transistor gate (G) on front side.

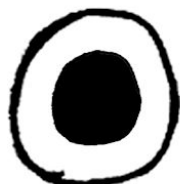
10. remove the cover from the one sided EMI shield tape and tape it from the transistor source (S) to the back side on coin cell (-).

③ LICK'O'VIBRATION

2N7002
MOSFET
N-CHANNEL
TRANSISTOR



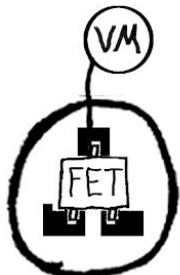
1. stick 3 copper tape pads on front side of kapton surface.



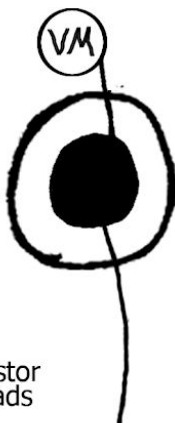
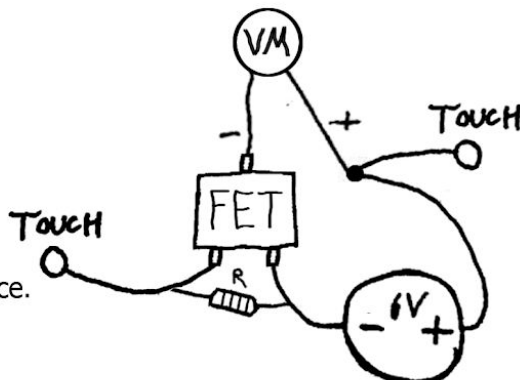
2. stick round copper tape pad on back side.



3. solder the transistor onto the copper pads use tweezers.



4. solder VM (blue wire) to the transistor drain (D).



5. solder VM (red wire) to round copper tape pad on back side.

6. solder metal wire stick to round copper tape pad on back side.

7. solder the 10M resistor (R) between mosfet (S) and mosfet (G)

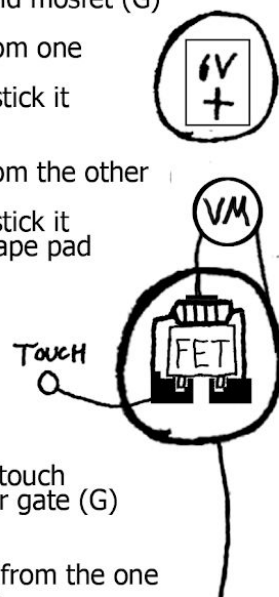
8. remove the cover from one side of the EMI shield double side tape and stick it on coin cell (+).

9. remove the cover from the other side of the EMI shield double side tape and stick it on the round copper tape pad on back side.



10. solder metal wire touch electrode to transistor gate (G) on front side.

11. remove the cover from the one sided EMI shield tape and tape it from the transistor source (S) to the back side on coin cell (-).



Candy Maker's Guide

Acid Drops Recipe:

- 255g White sugar
- 75g water
- 1.5g Cream of tartar
- 4.5g Citric Acid
- 1 drop of flavor oil

Tools:



Scale
1g - 1kg



PoT



Thermo probe
-50°C to 300°C

Process:

- 1) put the sugar, water and cream of tartar inside the pot.
- 2) bring to boil while stirring.
- 3) stop stirring and measure temp. with a thermoprob.
- 4) at 146°C sharp!! turn off the heat.
- 5) Remove the thermoprob and wait until syrup is clear.
- 6) optional step add Extra flavor!
 - citric acid for sourness.
 - drop of flavor oil.