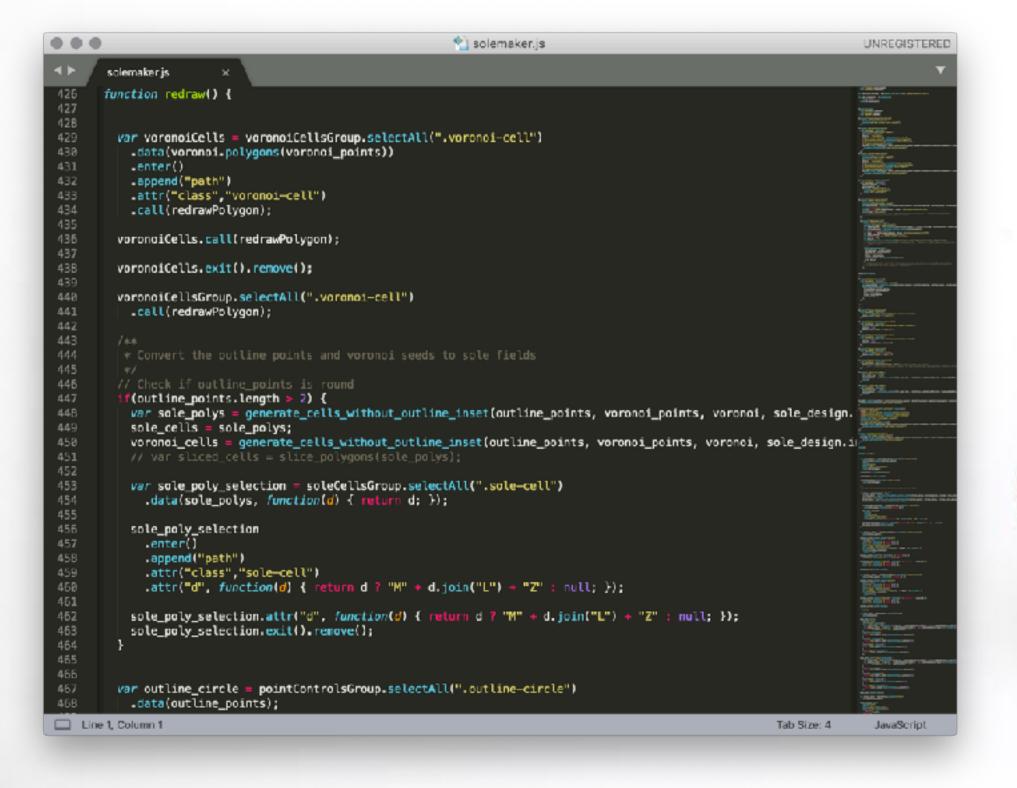
Data as a Material?

Embodied Ideation Hfg Karlsruhe, 27 May 2021





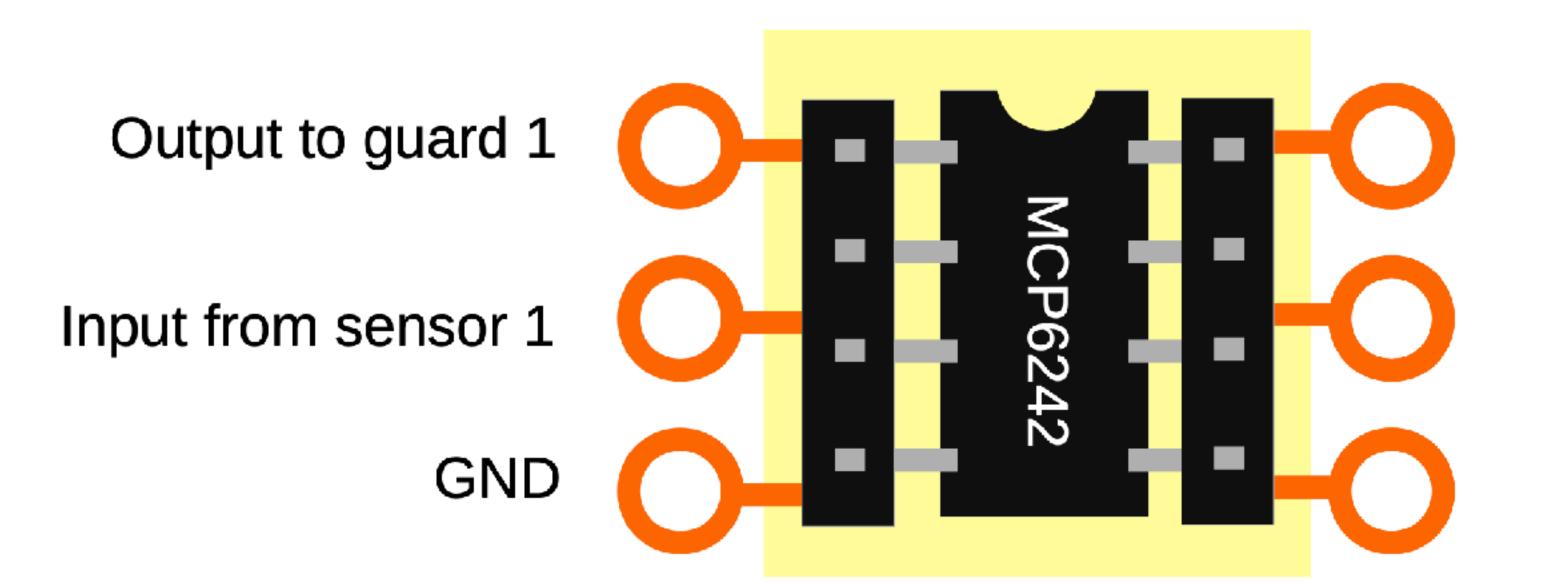


em·bod·y əm bädē

- em·bod·y | əmˈbädē |
- verb (embodies, embodying, embodied) [with object]
- 1 be an expression of or give a tangible or visible form to (an idea, quality, or feeling): a team that embodies competitive spirit and skill.
- provide (a spirit) with a physical form: nothing of the personality of the Spirit as embodied in Jesus will be lost.

OED 2020

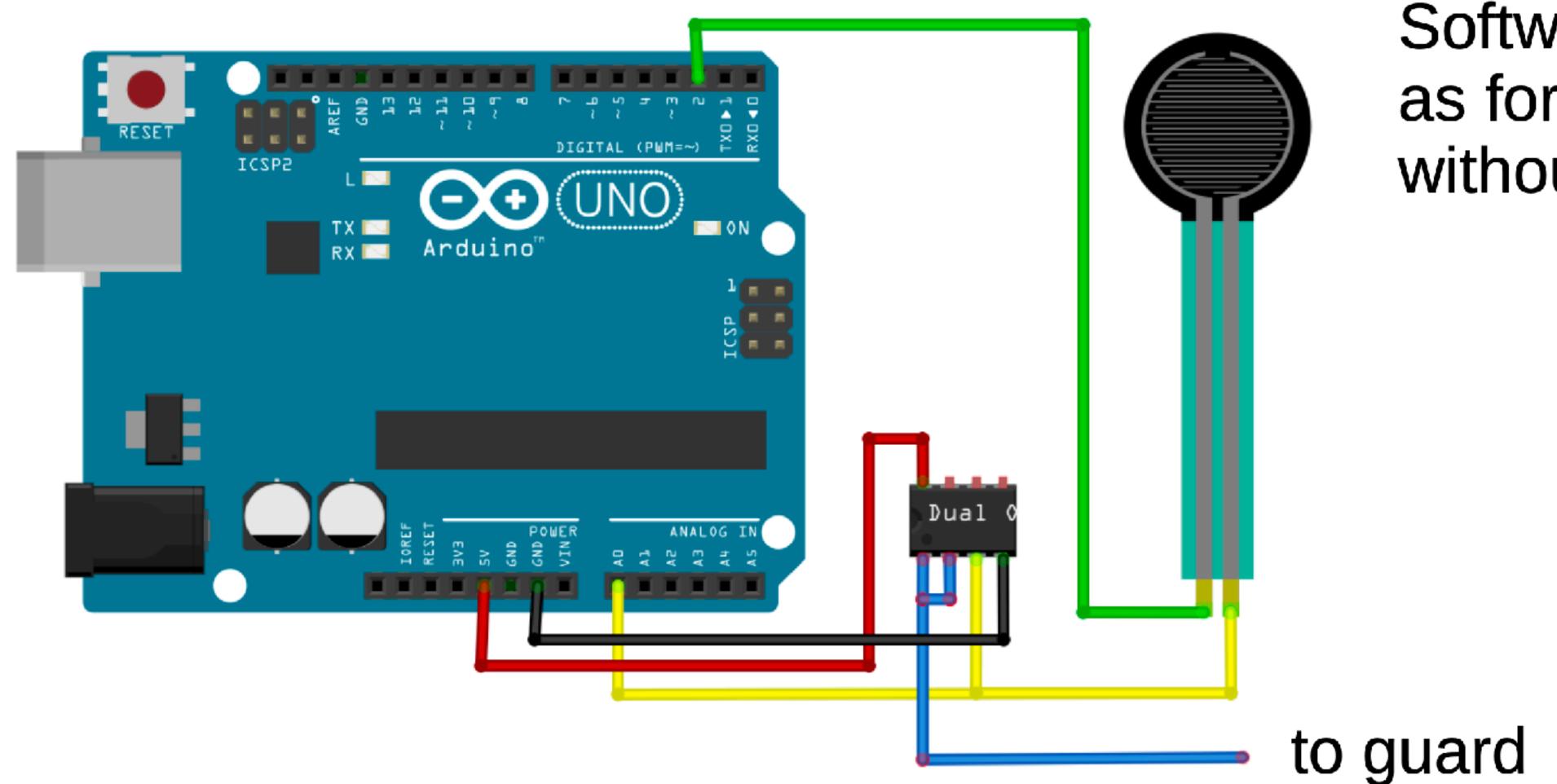
Wiring of opamp



+5 V (or 3.3 if you have a 3.3 V Arduino)

Output to guard 2

Input from sensor 2



Software: same as for system without guard

Note: wires to / from capacitive sensor (green and yellow) are sensitive to skin presence as well \rightarrow keep wires as short as possible and twist guard wire (blue) around green and yellow wires to reduce this effect. If possible, use coax cable where you can use mantle of cable as wire to guard.

Pressure sensor stackup

Electrode 1

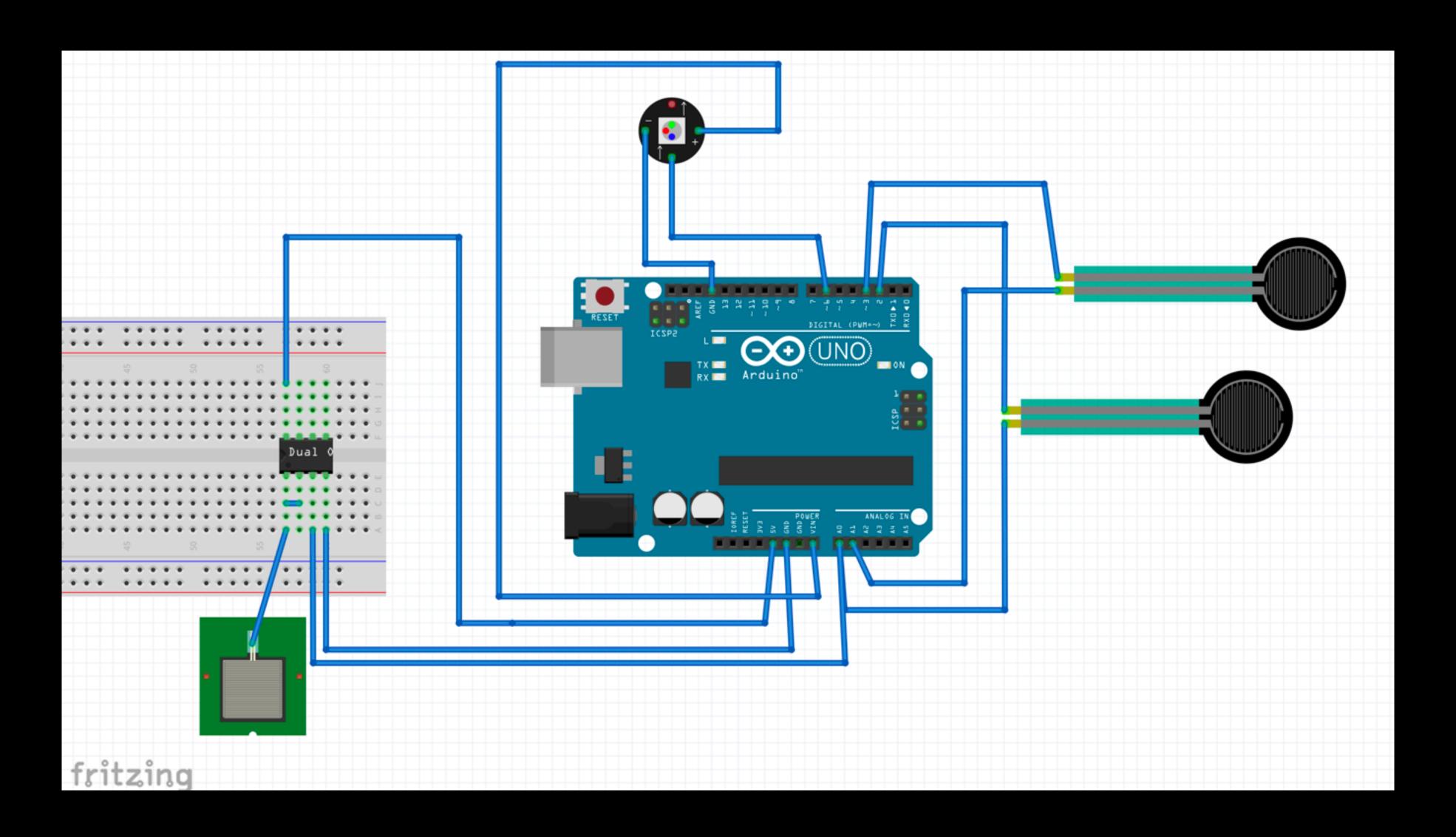
Resistive pressure sensitive material

Electrode 2

Insulating material

Guard

On the breadboard







What does it mean to wear data on the body?

What does it mean to Interact with data near the body?