

HOW (AND WHY) TO MAKE A



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SOFTER DIGITAL FUTURES

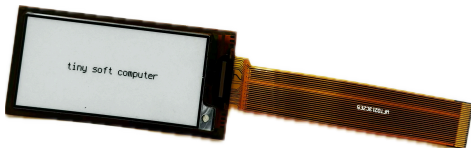
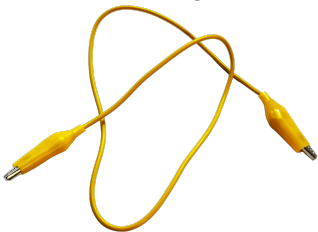
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WHY MAKE A TINY SOFT COMPUTER IN THE FIRST PLACE?

- Constraints breed creativity
- Making fewer decisions reduces overwhelm
- Basic principles become clearer + easier to debug
- Challenges the foundational idea of a “computer”
- Introduces flexibility (without sacrificing rigor)
- Deep historical ties between computation and textile work — Jacquard loom, NASA core memory, and cyber decks!

WHAT YOU'LL NEED

- Microcontroller
- Screen
- Alligator clips
- Push button
- Scissors or craft knife
- Glue or tape
- Fabric, cardboard, or any other soft / recycled material to make your enclosure – get creative!



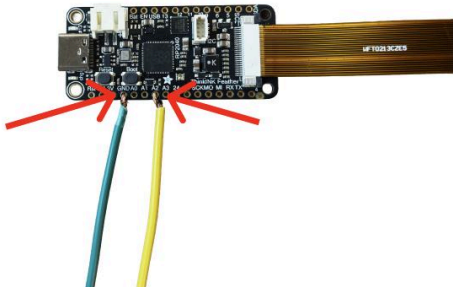
STEP 0



Using the latches on the microcontroller's docking port, **carefully** plug in the screen.

STEP 1

Wrap the wire at the end of the alligator clips around pads labeled **GRD** and **A2**.

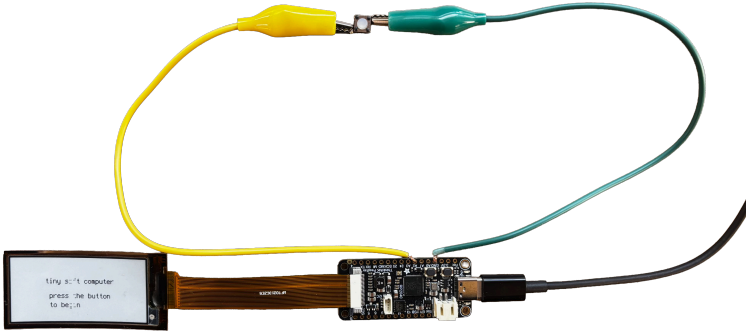


STEP 2

Attach the
alligator clips
to two **diagonal**
terminals on the
push button –
any orientation
works!



STEP 3

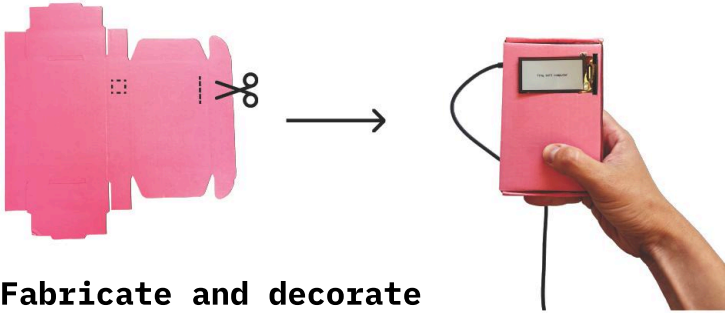


Plug a USB cord into your computer on one end and the microcontroller on the other.

Visit <https://tiny-soft-computer.vercel.app/code> for full code setup instructions.



STEP 4



Fabricate and decorate the enclosure – follow this diagram or do your own thing!



STAY IN TOUCH!



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