

Week 12: Project week: two boards, one wire

Mokxi · one-page lesson plan

OBJECTIVE

Plan a system, agree a protocol, share a ground, and present it as a link.

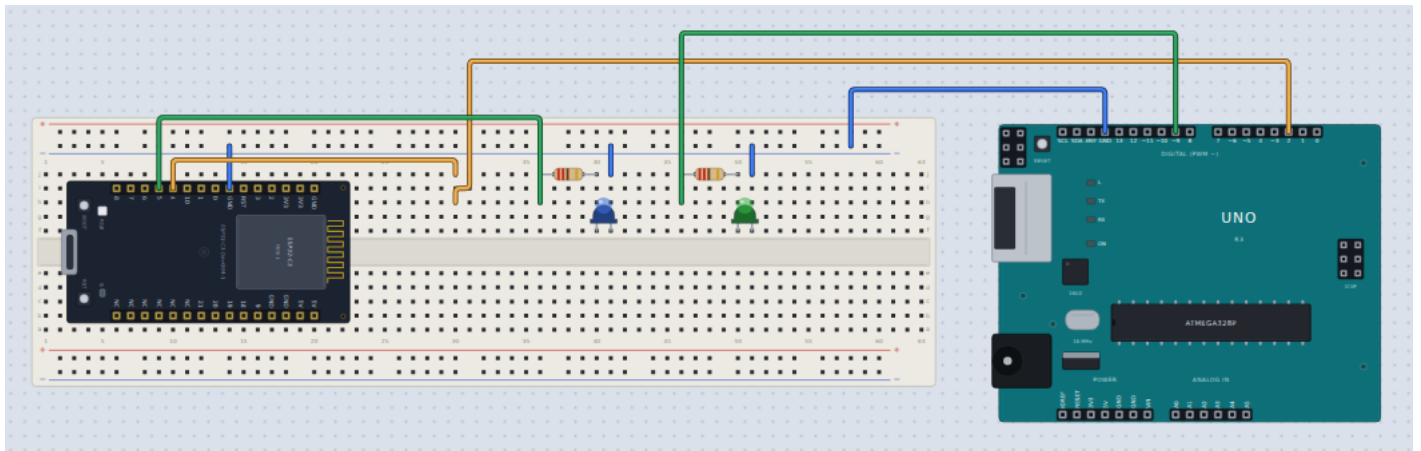
WHAT YOU NEED

ESP32-C3-DevKitM-1, Arduino Uno R3, resistors, LEDs, breadboard

STEPS

- Open it and watch one board pulse a number down a single wire while the other counts the edges and prints it.
- Extend the protocol so a message carries two numbers, and make the receiver say something when what arrived makes no sense.

THE CIRCUIT



ASSESSMENT IDEA

A working project shared as a link, a wiring diagram, and a two minute demonstration to the class of what it does and what went wrong on the way.

<https://mokxi.com/curriculum#week-12>