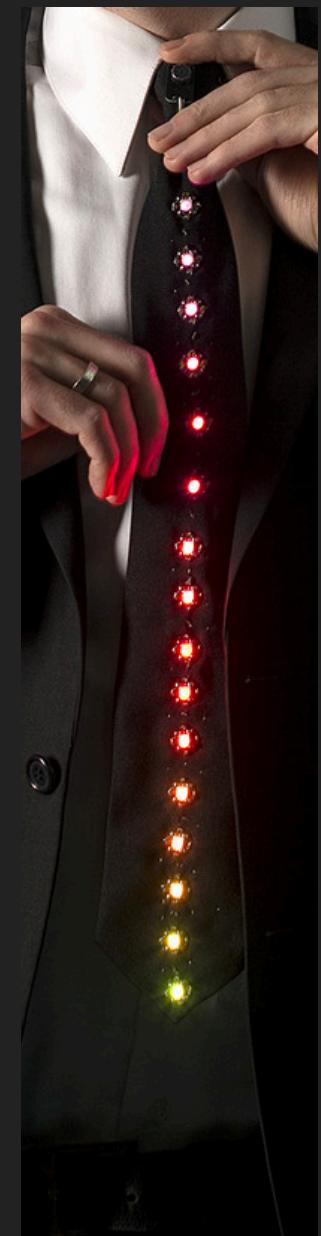
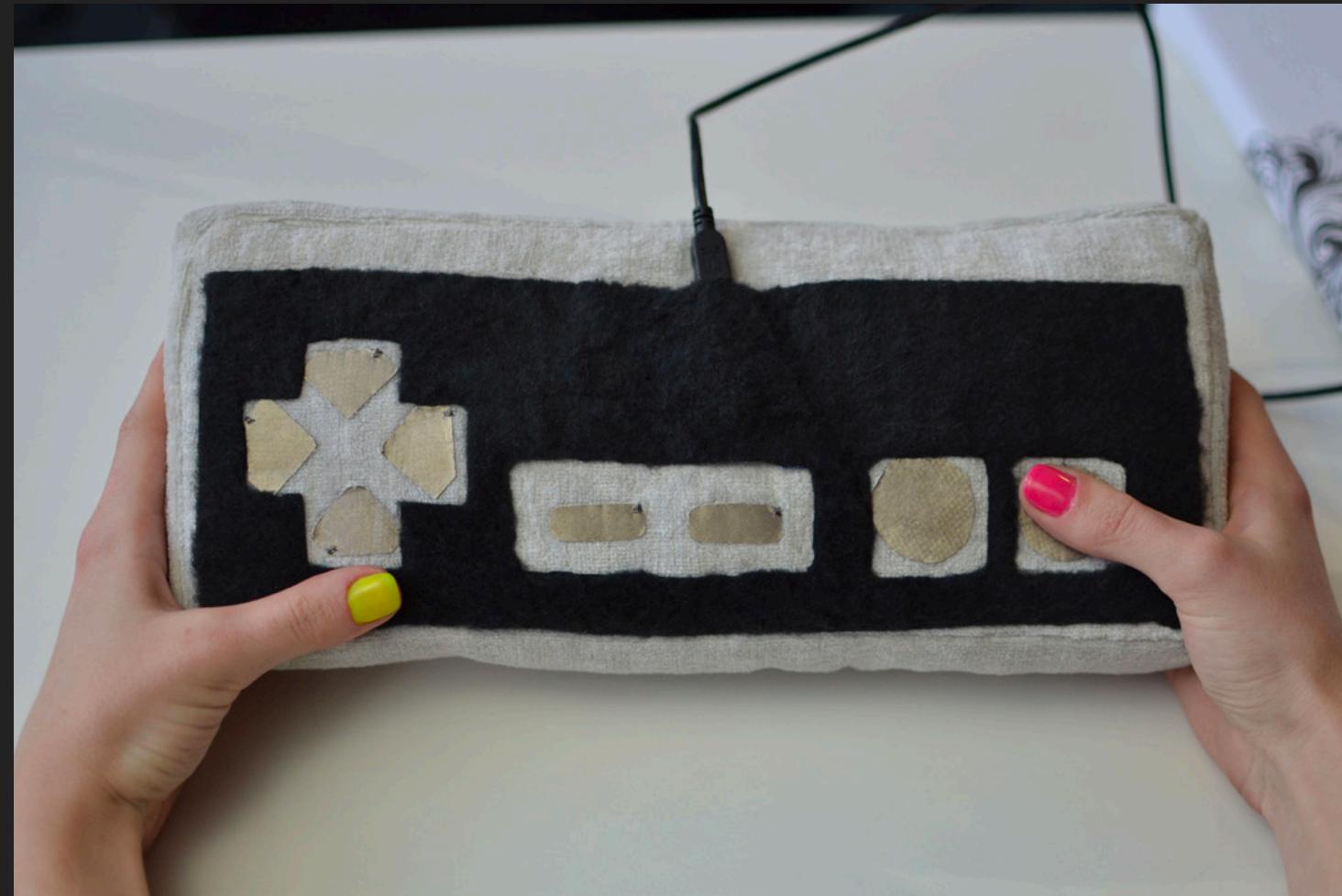
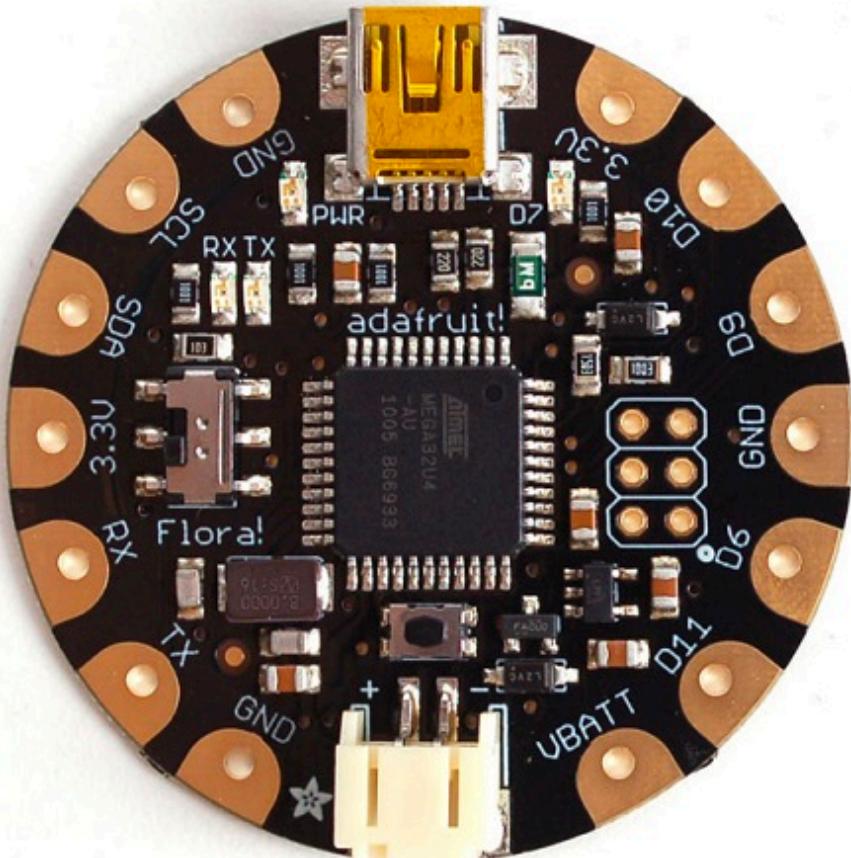

TECHNOLOGY WEARABLES BUILD NIGHT

TECHNOLOGY WEARABLES

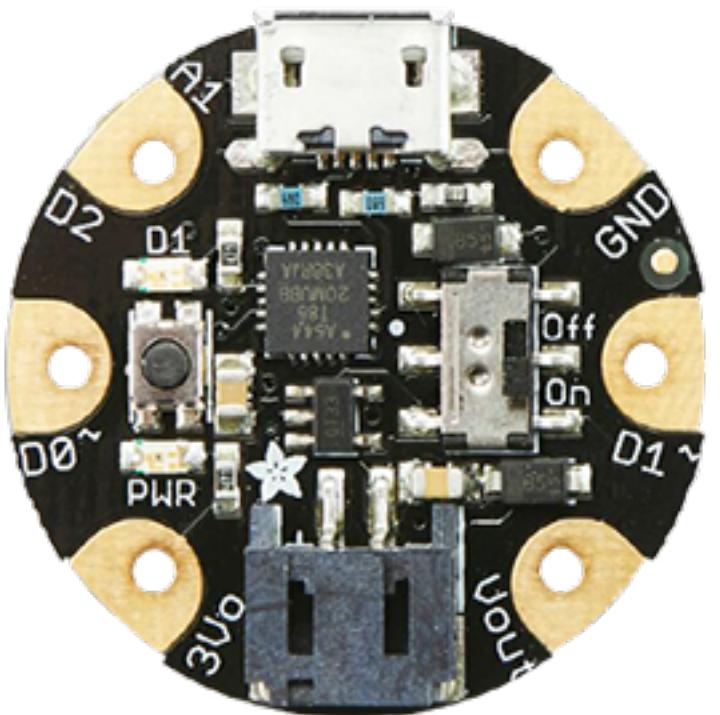


EACH KIT HAS

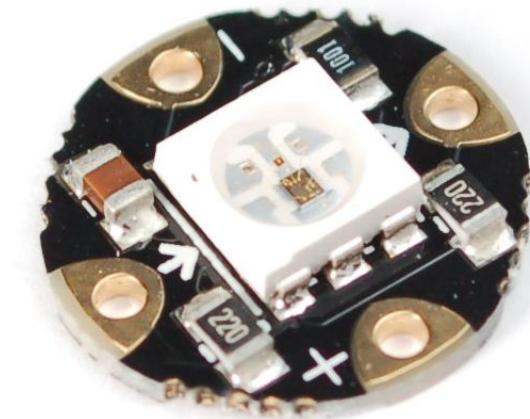


FLORA

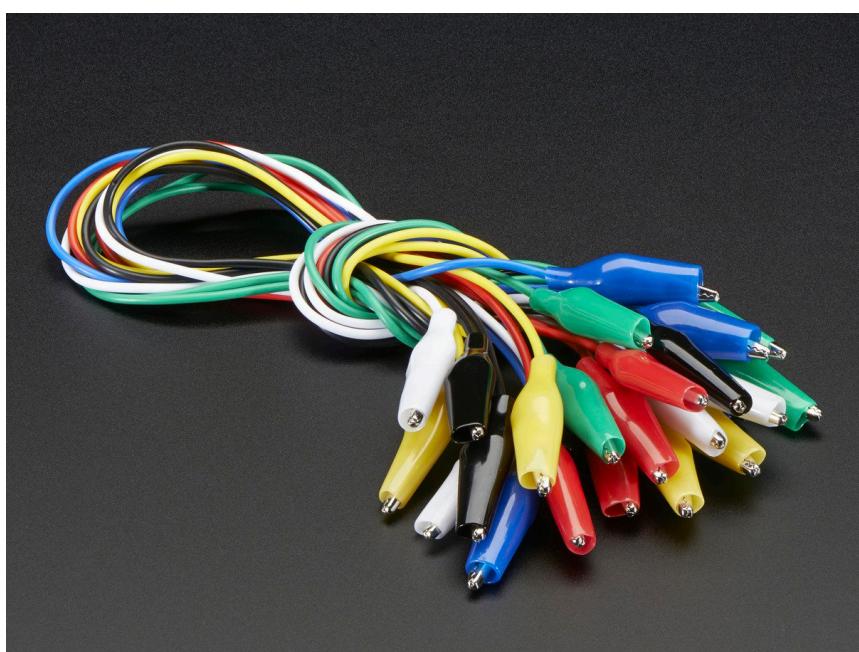
OR



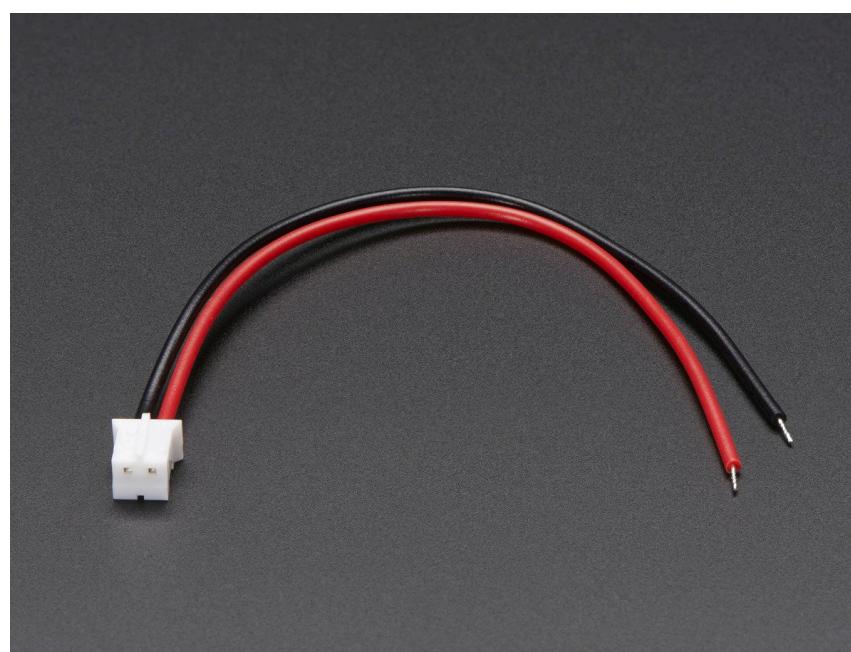
GEMMA



NEOPIXEL



ALLIGATOR CABLES X3

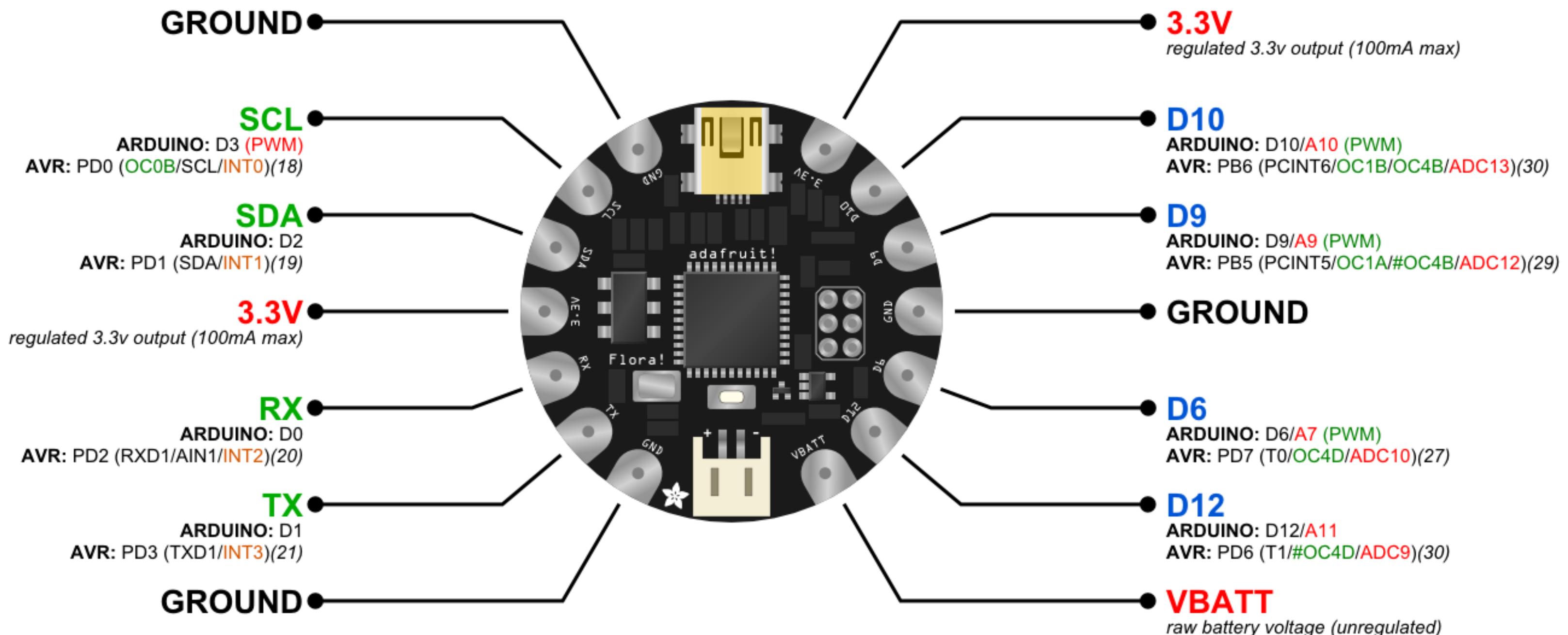


JST CONNECTOR



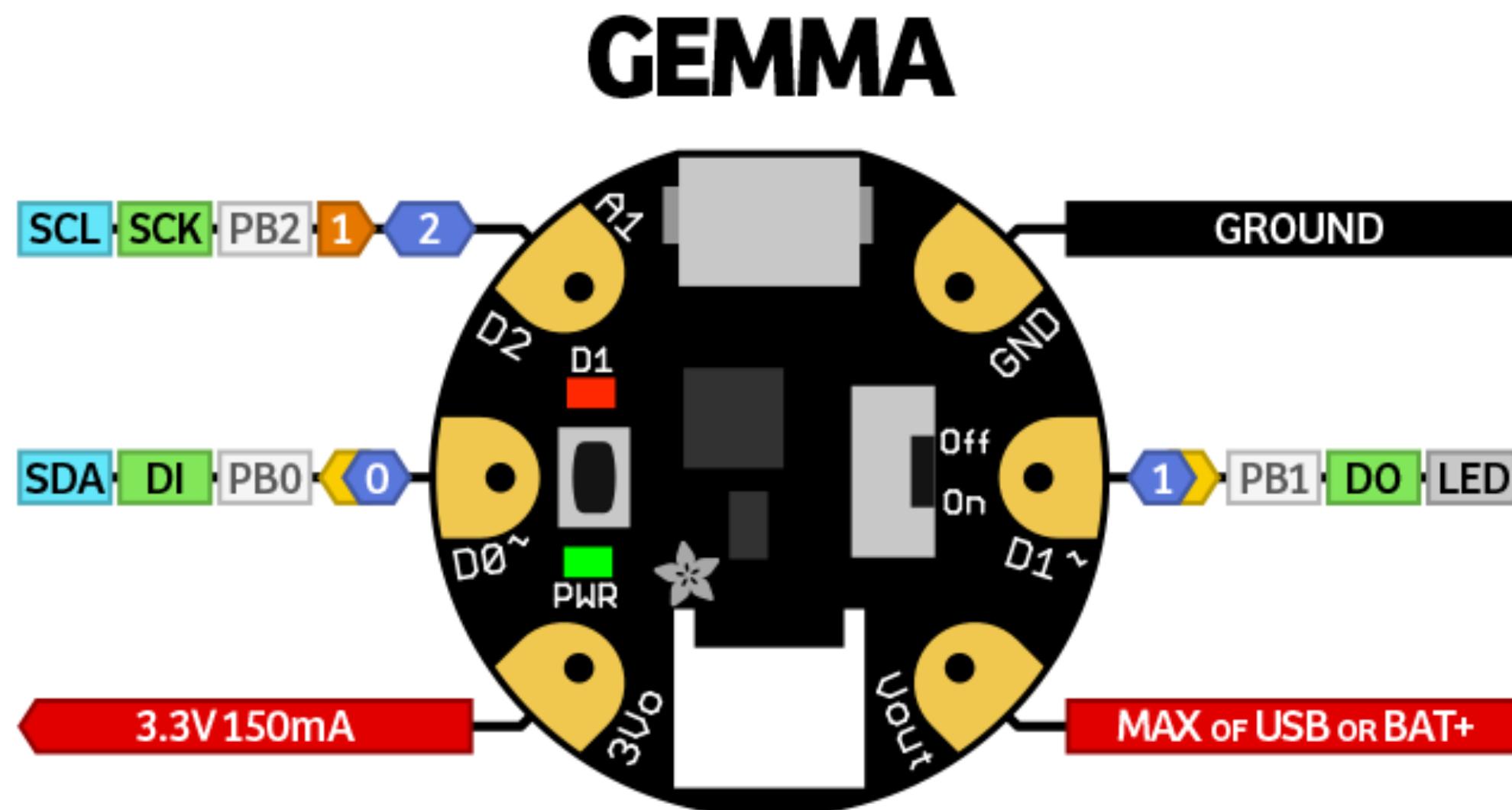
BATTERY X2

FLORA



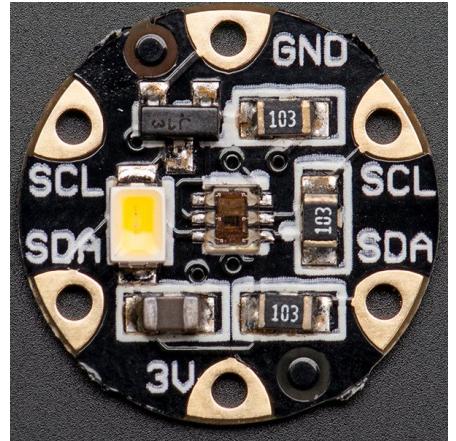
FLORA Wearable Electronics Platform

GEMMA

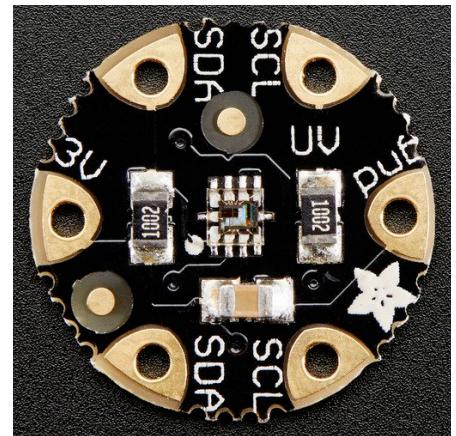


| | | |
|--------------------|-------|-----|
| POWER | | |
| GROUND | | |
| DIGITAL READ/WRITE | | |
| ANALOG: READ | WRITE | |
| SERIAL | I2C | SPI |
| PORT PIN | | |
| MISC | | |

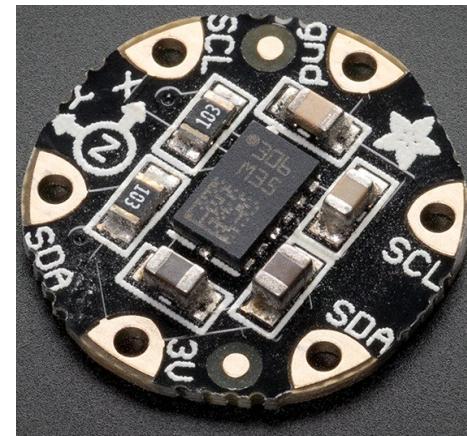
LIGHT, SENSORS & ACTUATORS THAT ARE ON THE COMMON TABLE



COLOR
SENSOR



UV LIGHT
SENSOR



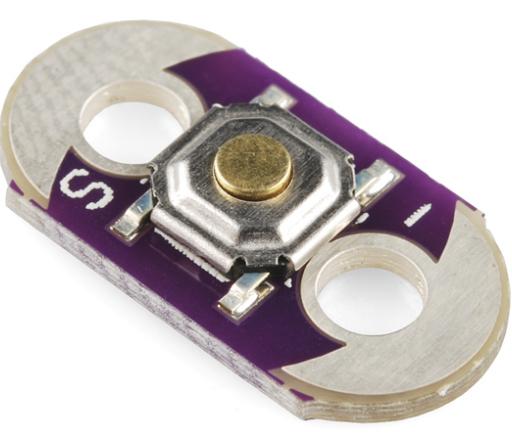
ACCELEROMETER
& COMPASS



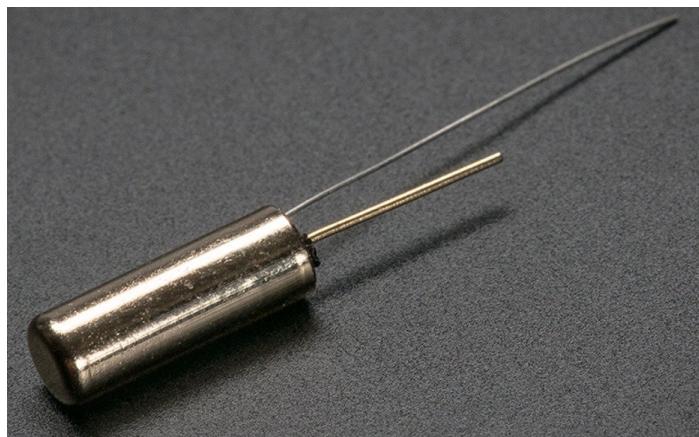
SPEAKER



SOFT POTENTIOMETER



BUTTON SWITCH



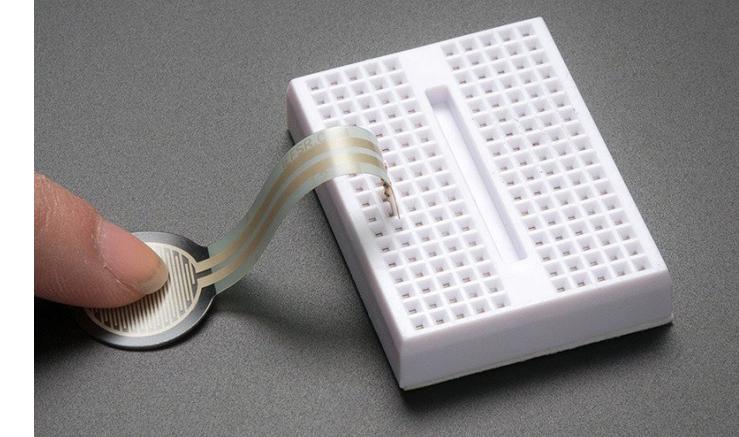
TIlt BALL SWITCH



ON/OFF SWITCH



CONDUCTIVE FABRIC



FORCE SENSOR



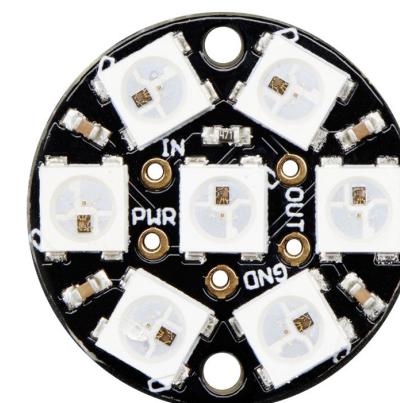
RED SEQUIN



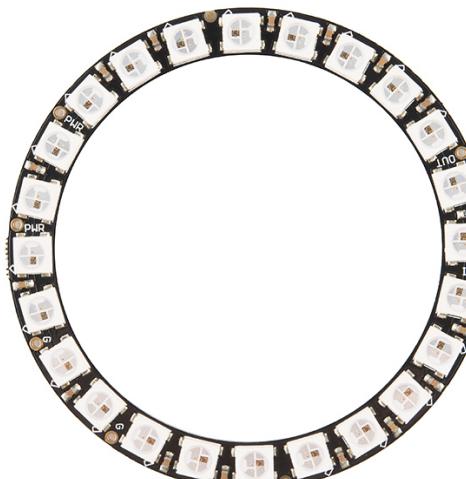
BLUE SEQUIN



NEOPIXEL



NEOPIXEL JEWEL



NEOPIXEL RING



NEOPIXEL STRIP

MAKE IT WORK

YOUR MISSION:

- ▶ Create your own technology wearable

GETTING STARTED:

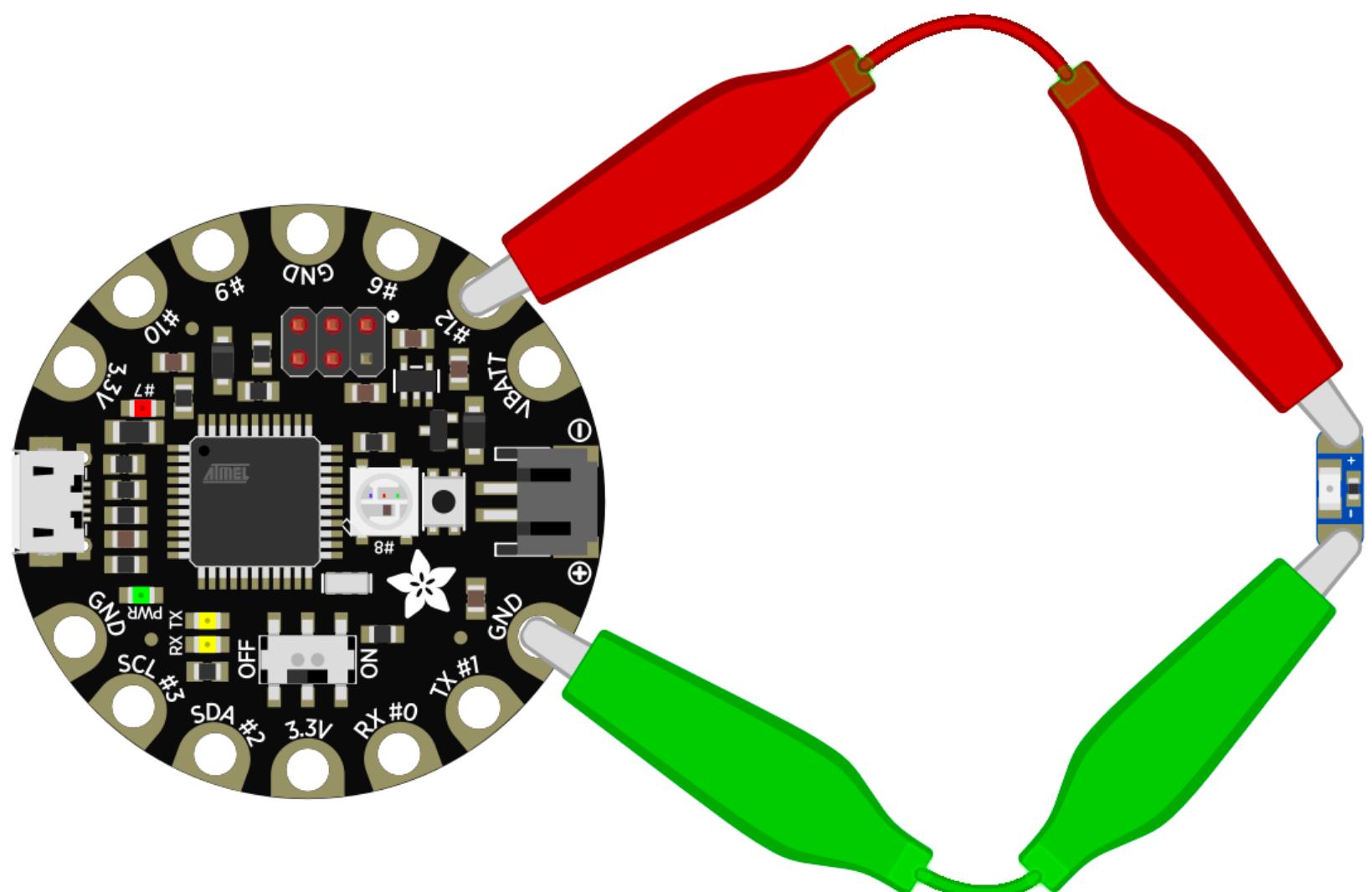
- ▶ Come up with an idea of what you want to build
- ▶ Connect the necessary lights, sensors, and actuators to your FLORA or Gemma using alligator cables
- ▶ There are code examples of how to use every light, sensor, and actuator on GitHub
- ▶ Copy from a code example into wearables.ino
- ▶ Upload the code to your FLORA or Gemma 
- ▶ Run your code 
- ▶ If you brought your own parts, once your project fully works with alligator cables, you can sew!



NOTES:

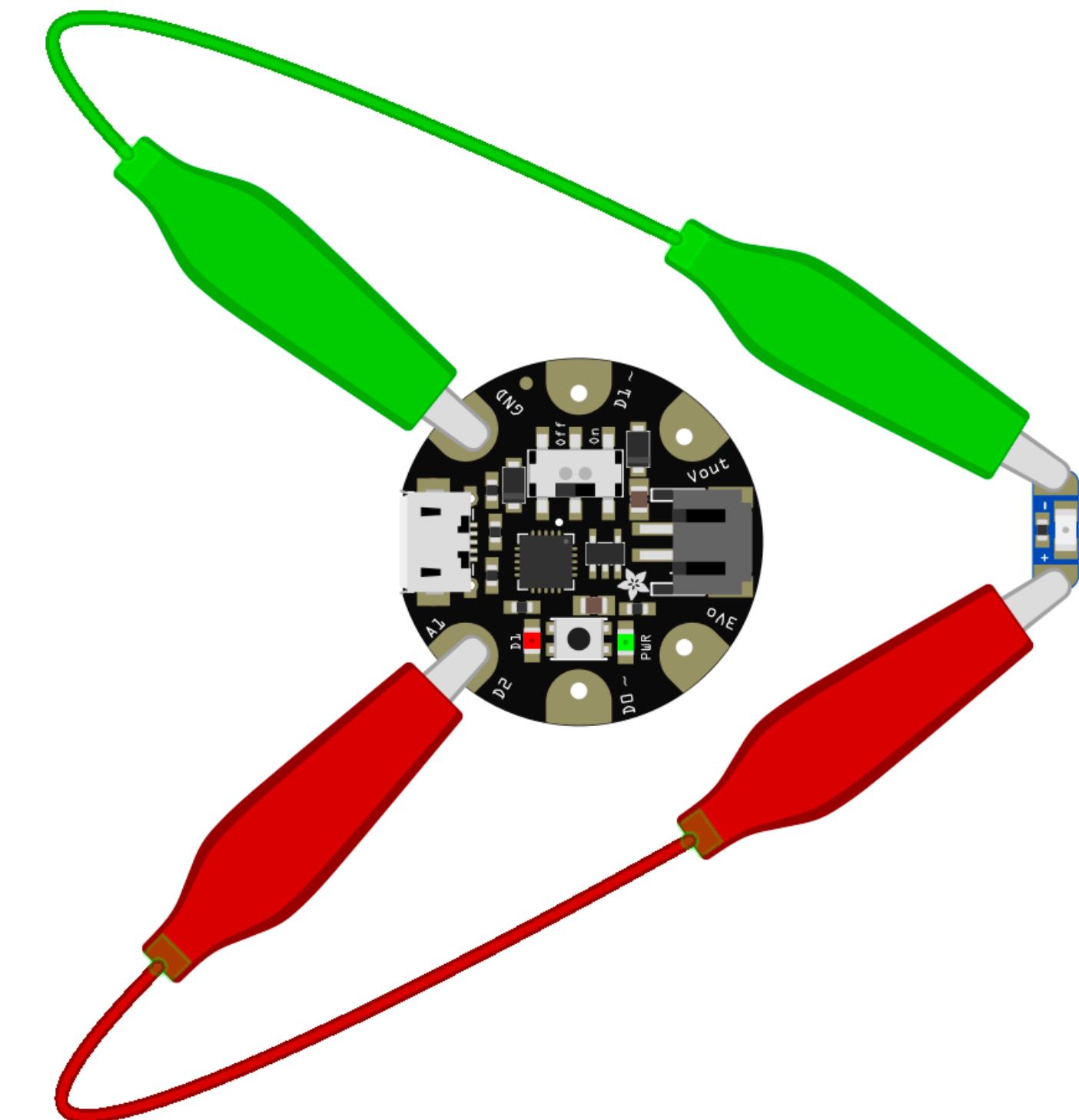
- ▶ Try, try again - failure is expected and helps you come up with new ideas
- ▶ You have a helper if you get really stuck
- ▶ Please take photos of your team and build process - we will have a wiki where everyone can share their projects

SEQUIN BLINK



FLORA

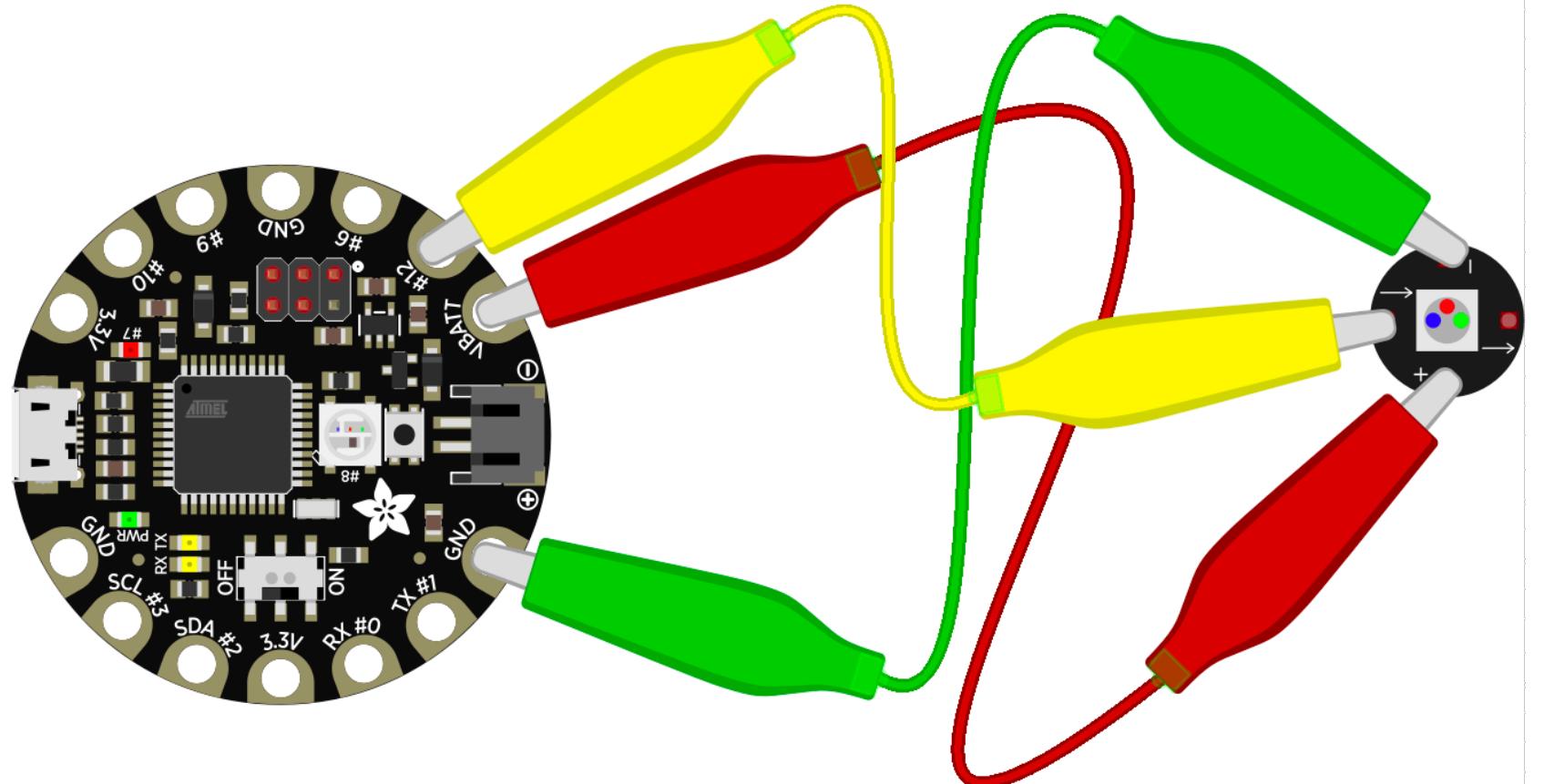
fritzing



GEMMA

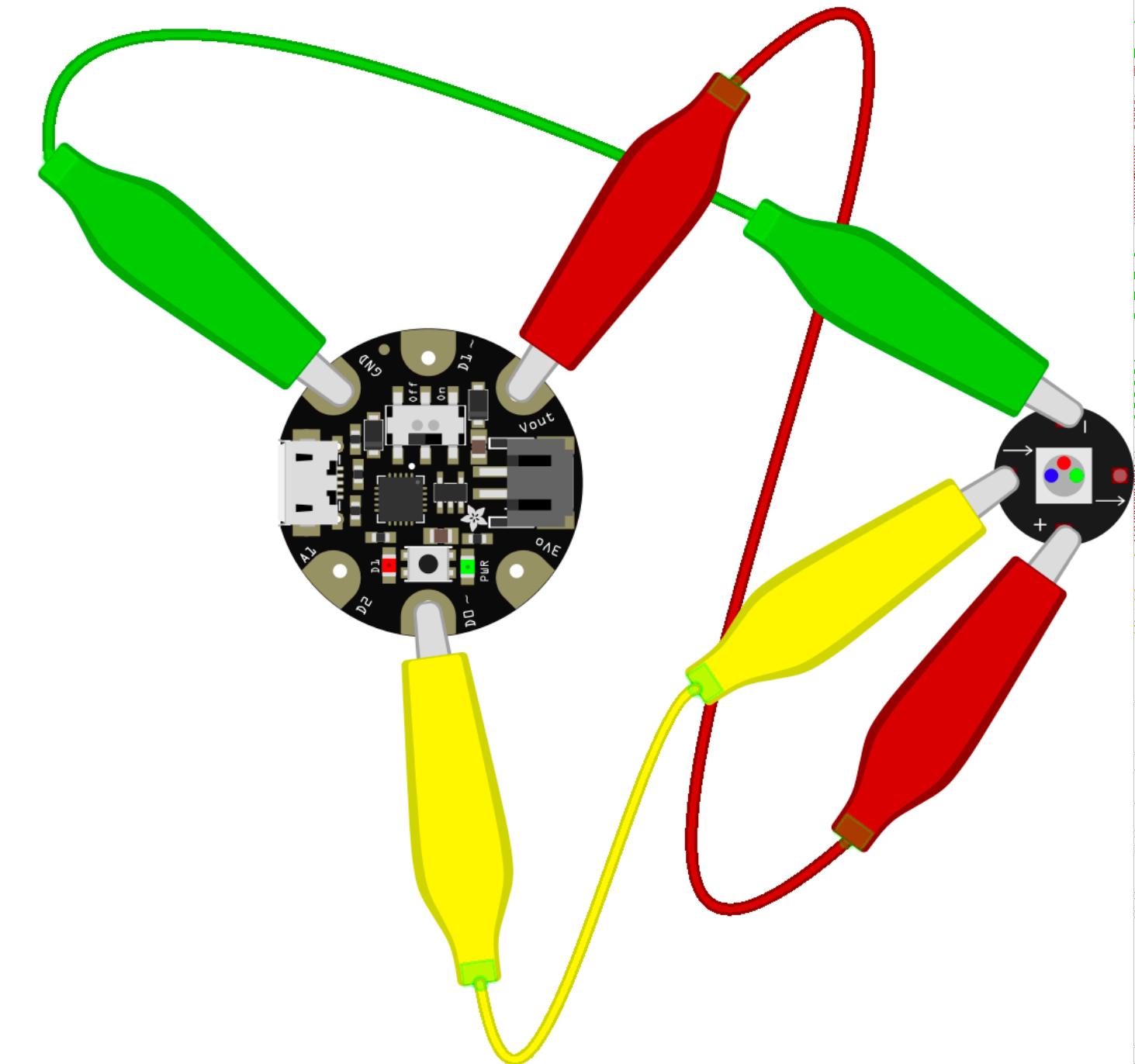
fritzing

NEOPIXEL RAINBOW



fritzing

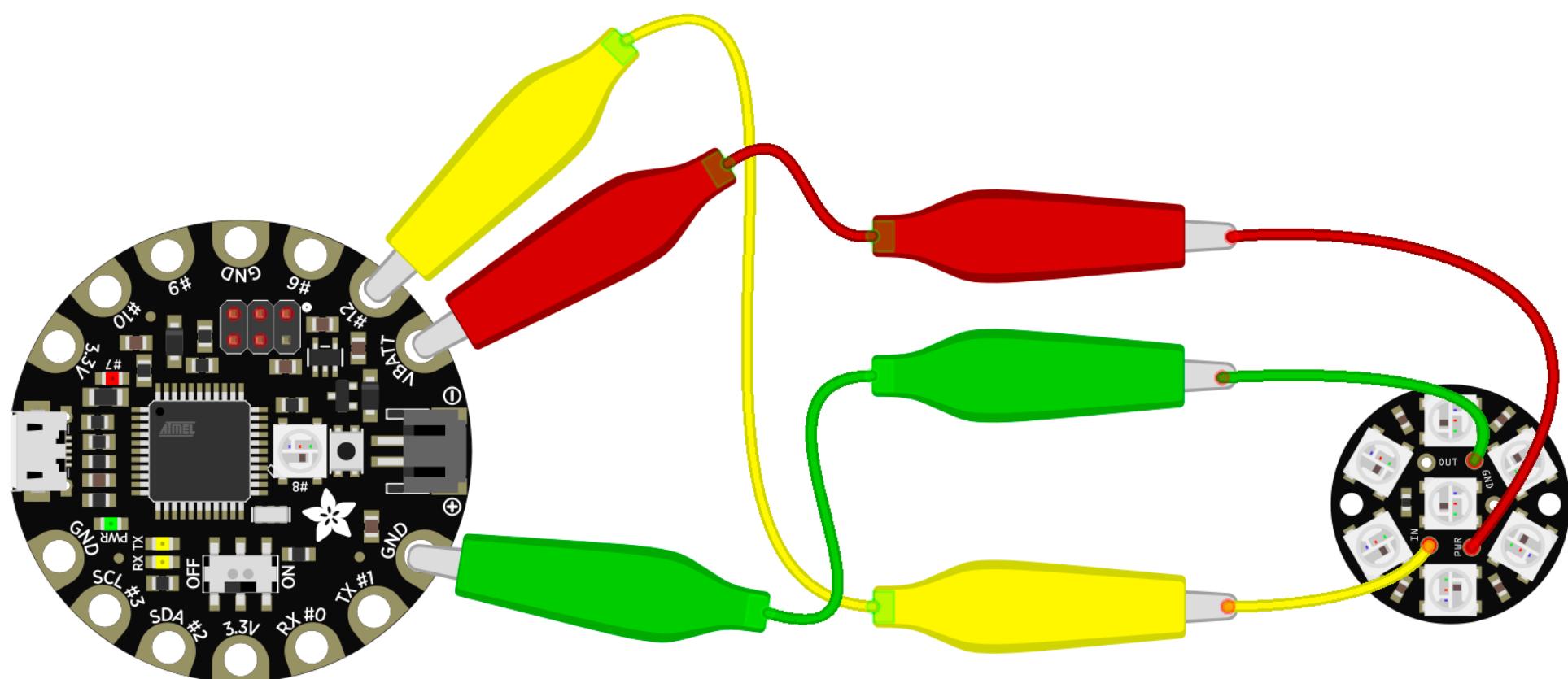
FLORA



fritzing

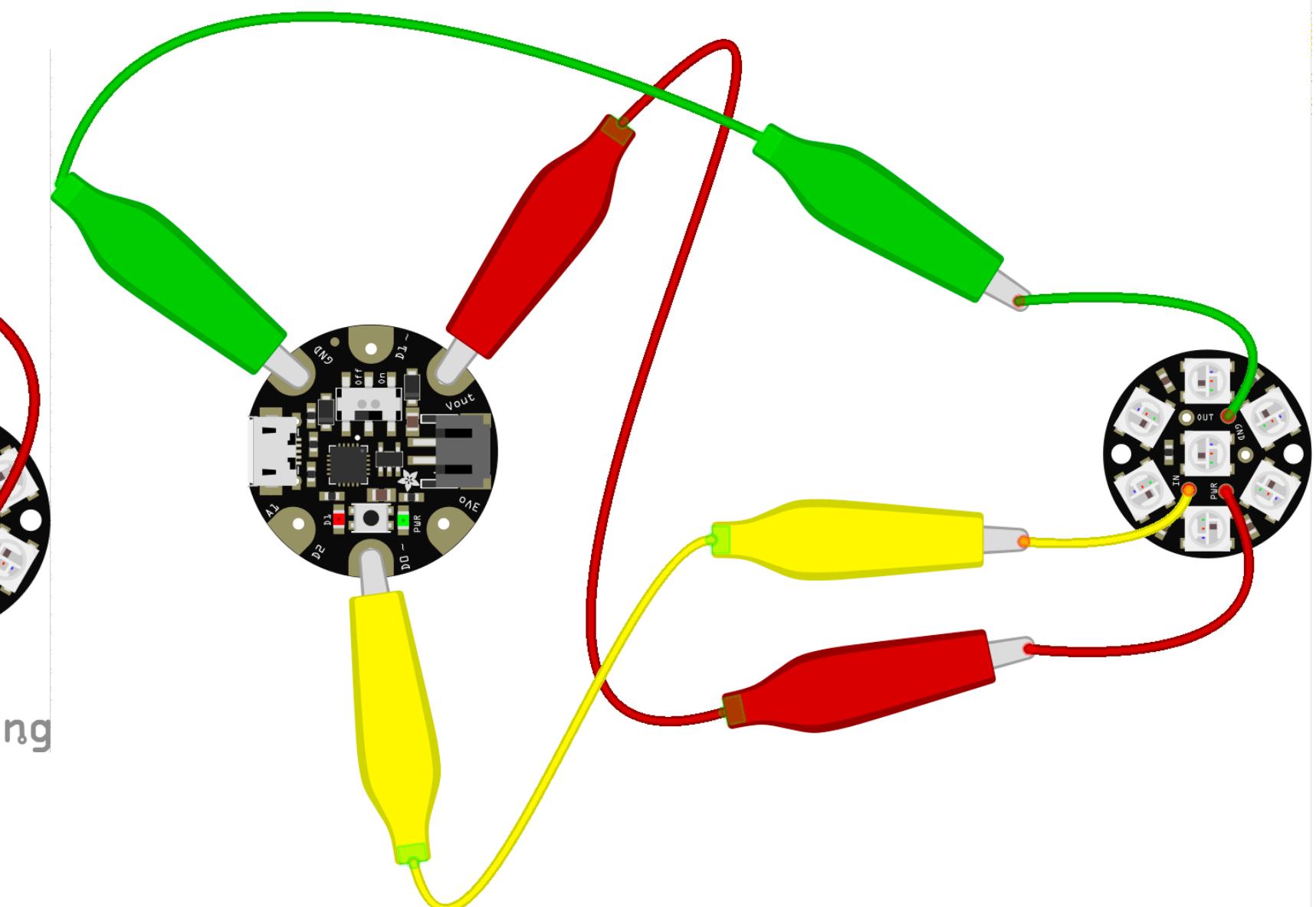
GEMMA

NEOPIXEL JEWEL



fritzing

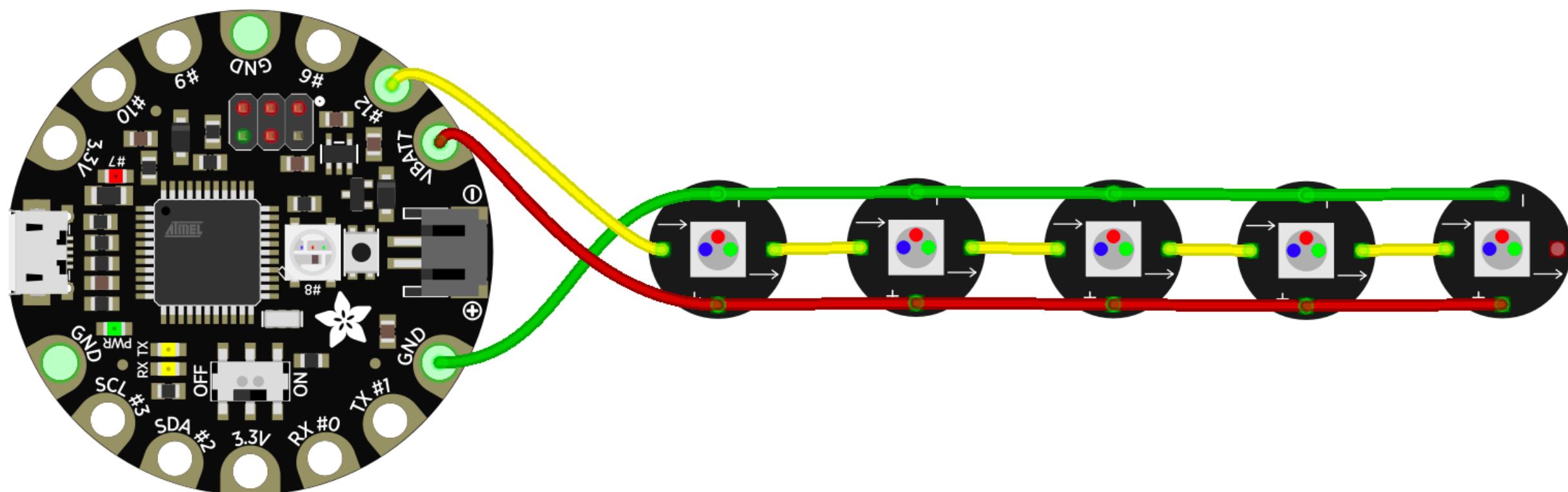
FLORA



fritzing

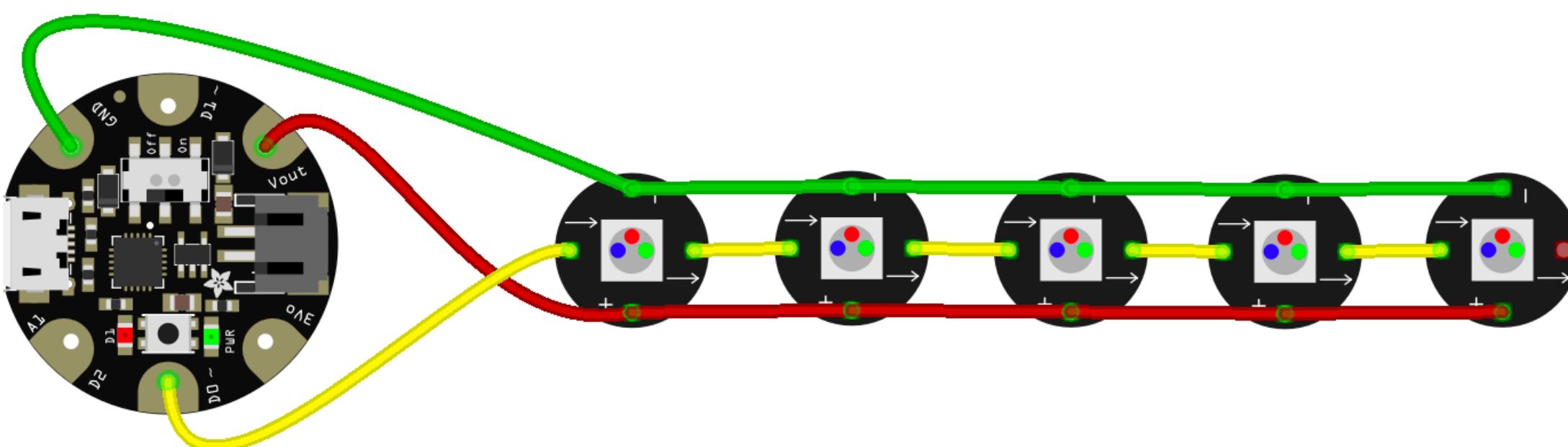
GEMMA

NEOPIXEL CHAIN



FLORA

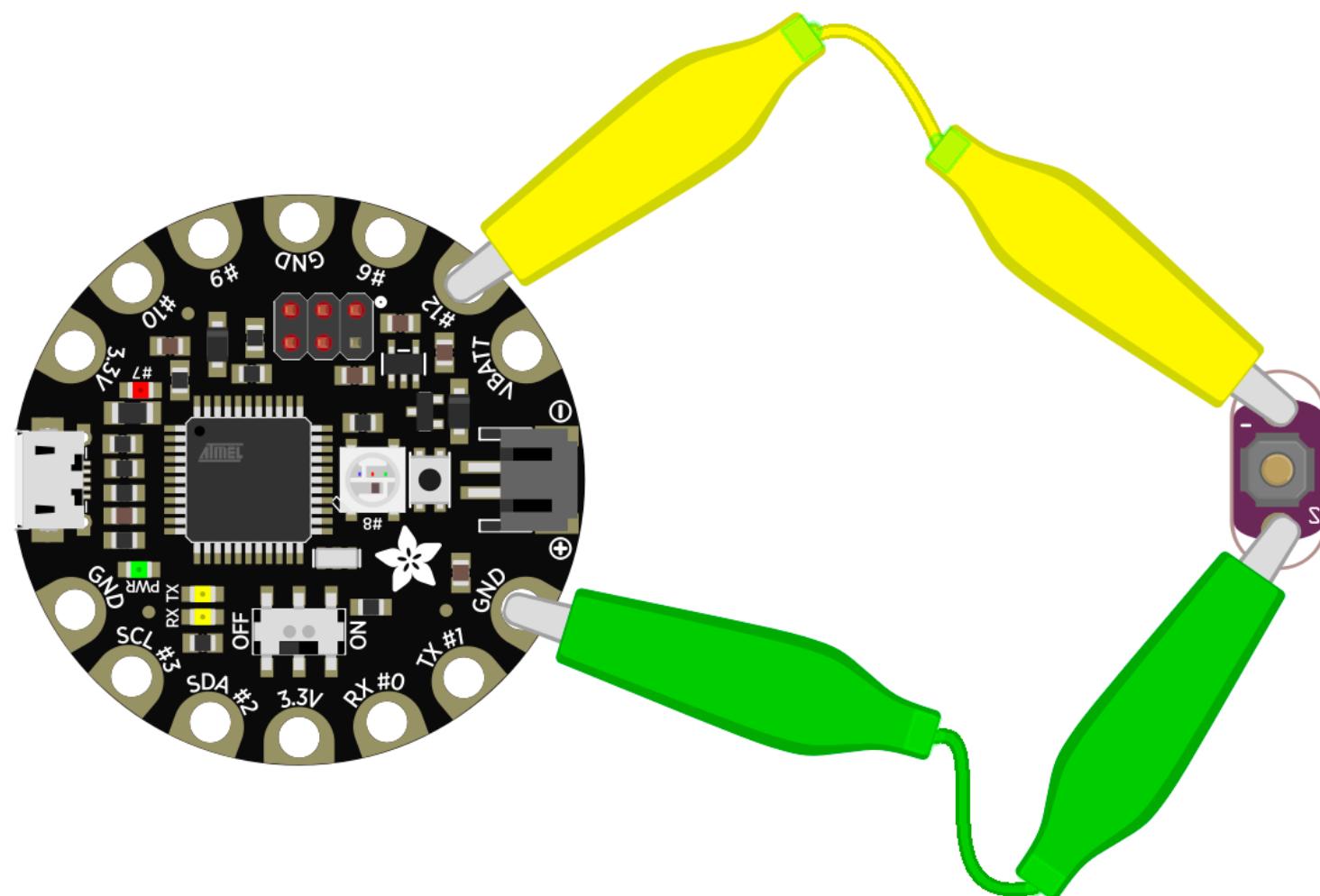
fritzing



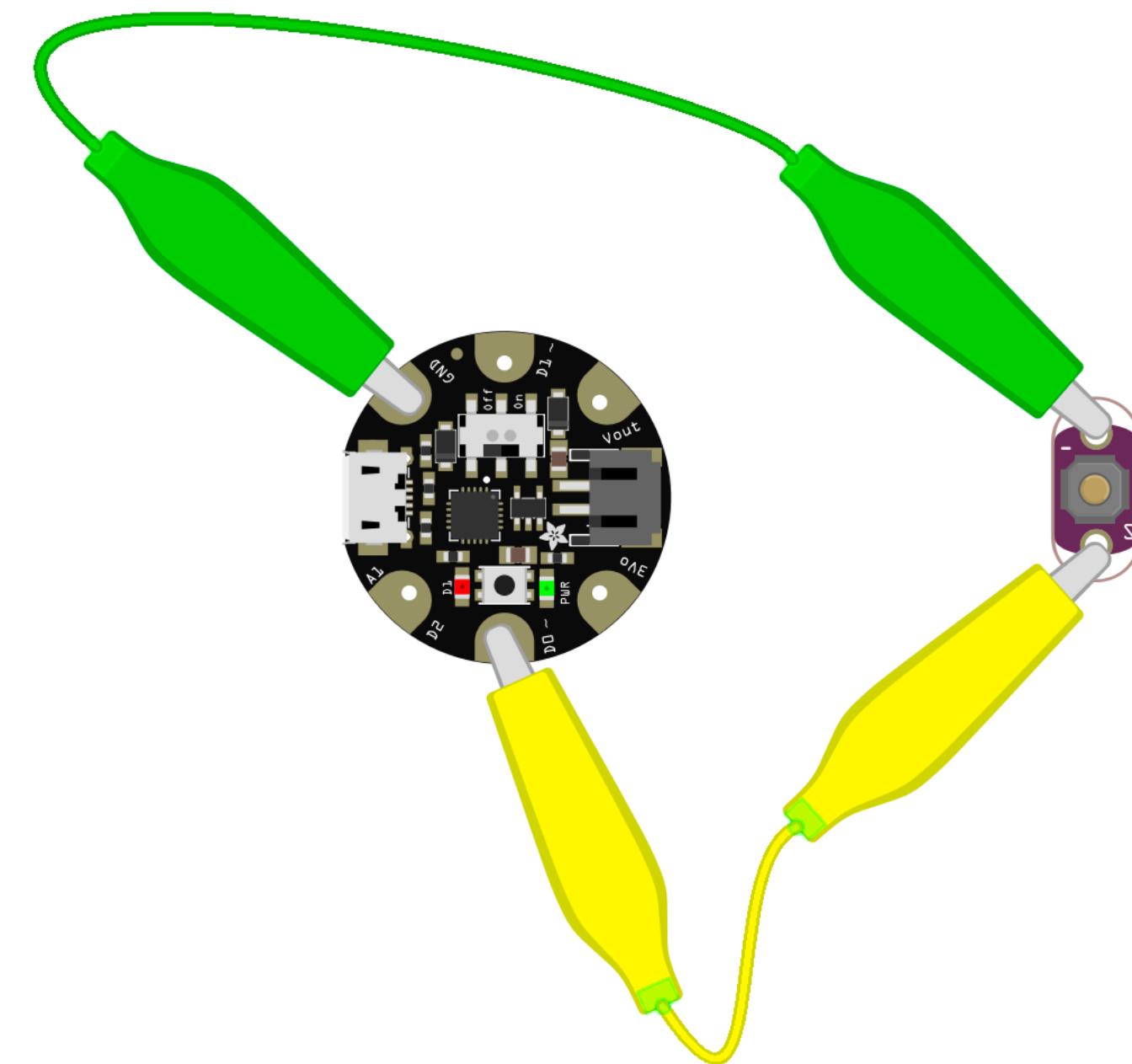
GEMMA

fritzing

PUSH BUTTON



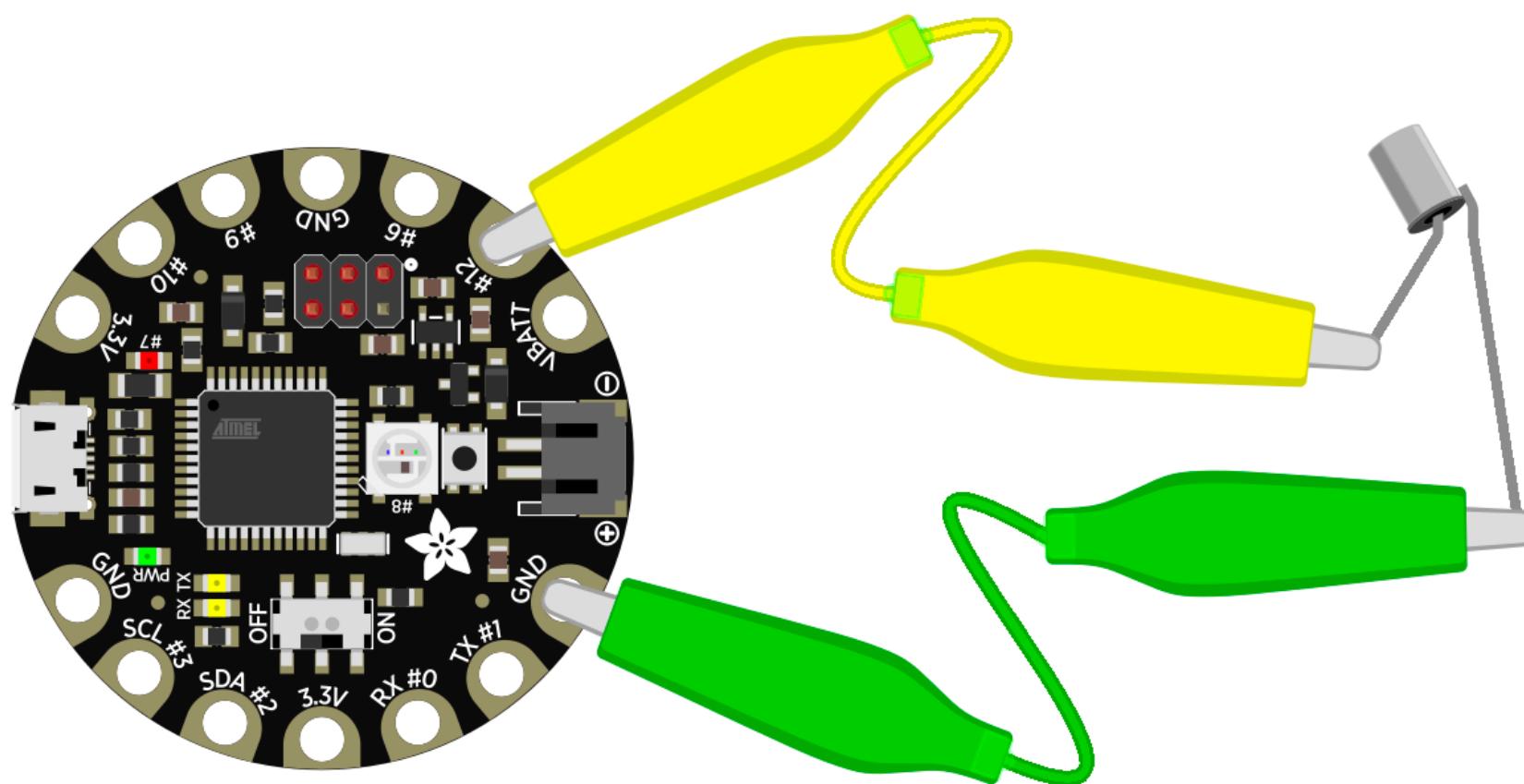
fritzinc



fritzing

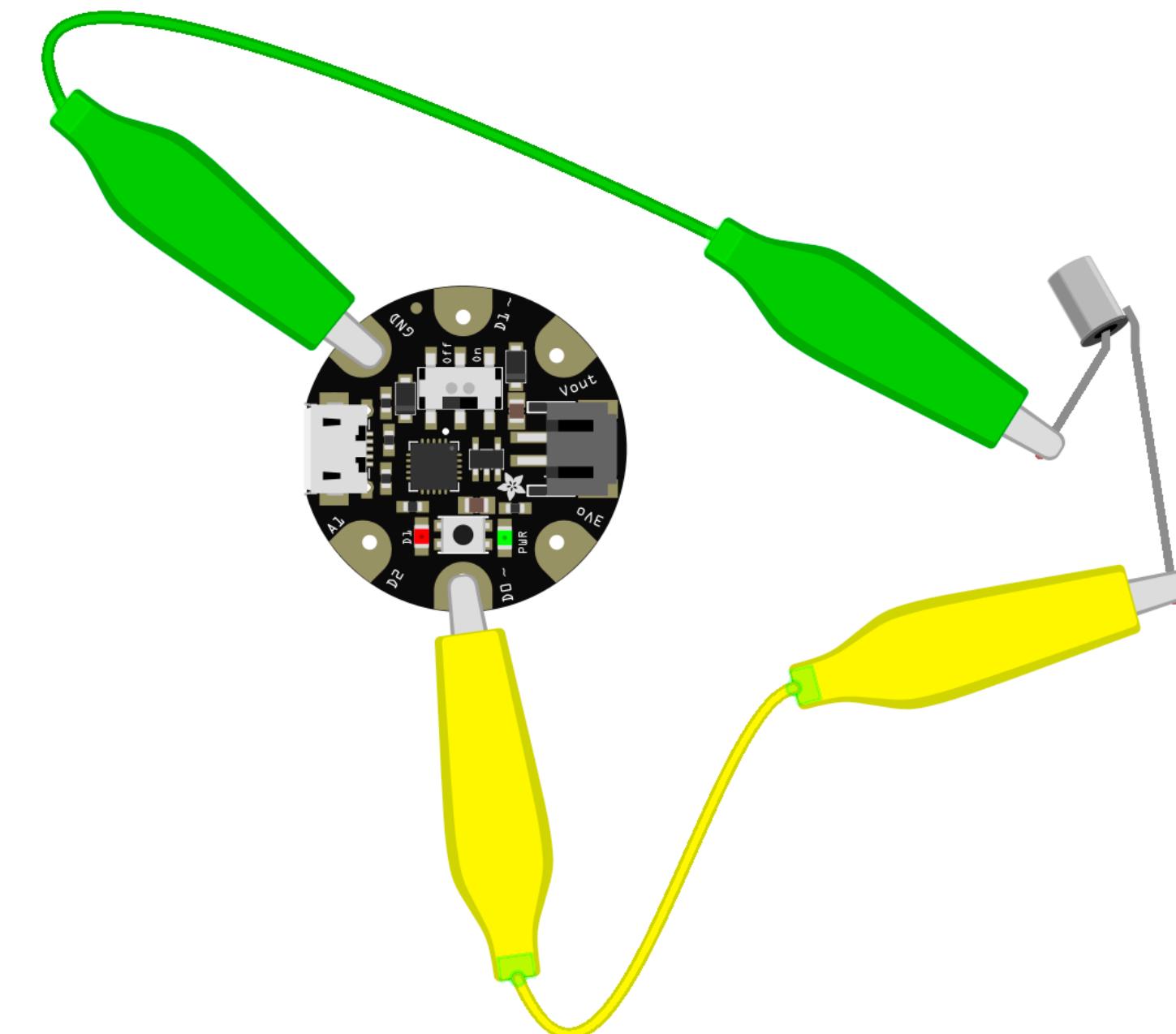
FLORA

TI LT SWITC H



FLORA

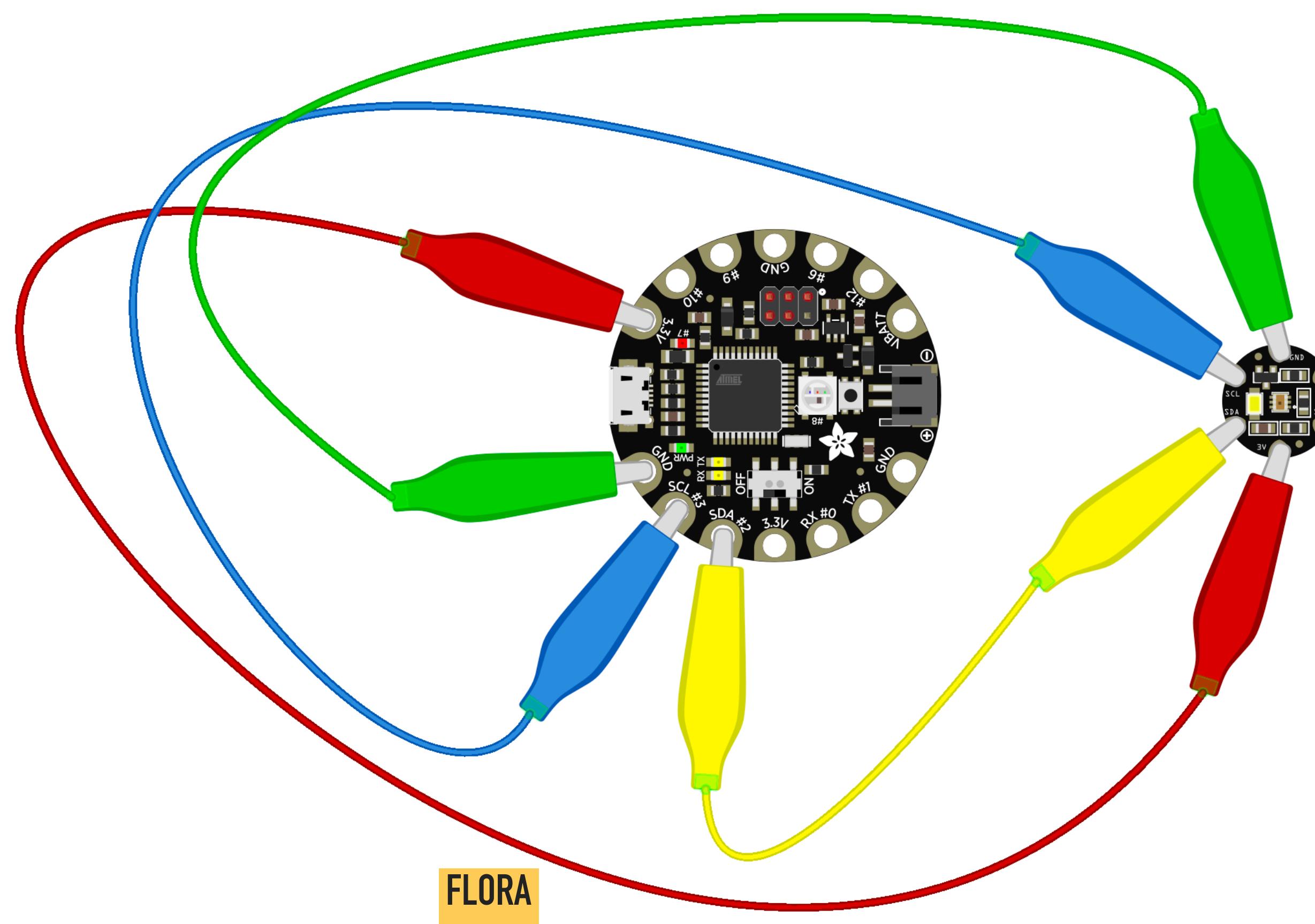
fritzing



GEMMA

fritzing

COLOR SENSOR



DREAM UP YOUR
OWN TECHNOLOGY
WEARABLES
PROJECT.

YOU CAN MAKE
ANYTHING YOU CAN
IMAGINE.

**HAVE
FUN!!**