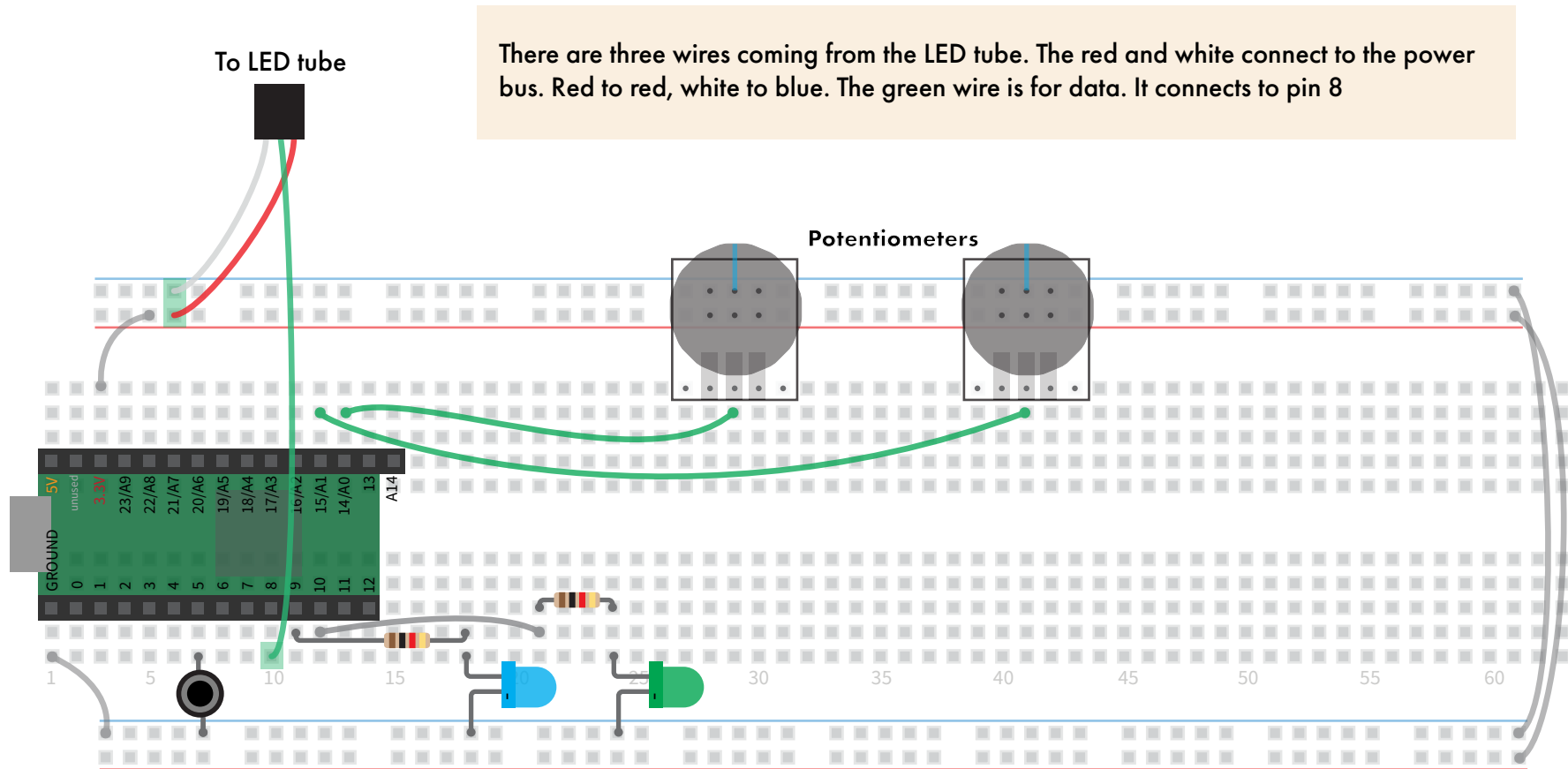


Breadboard setup #4 - Addressable LEDs



There are 20 “ws2812” LEDs in the tube. Each one is its own little microcontroller. The first one gets the data from the Teensy and says “oh I must be the first LED and this is what I should do” and adds a little bit extra to the data and sends it along to the next one. That light says “oh I guess I’m second and this is my data” and so on. In this way you can use just a single output pin to send data to literally thousands of LEDs.