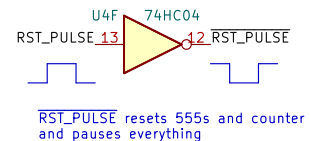
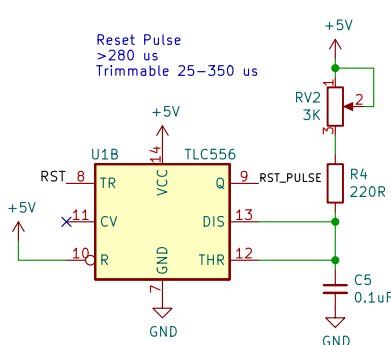
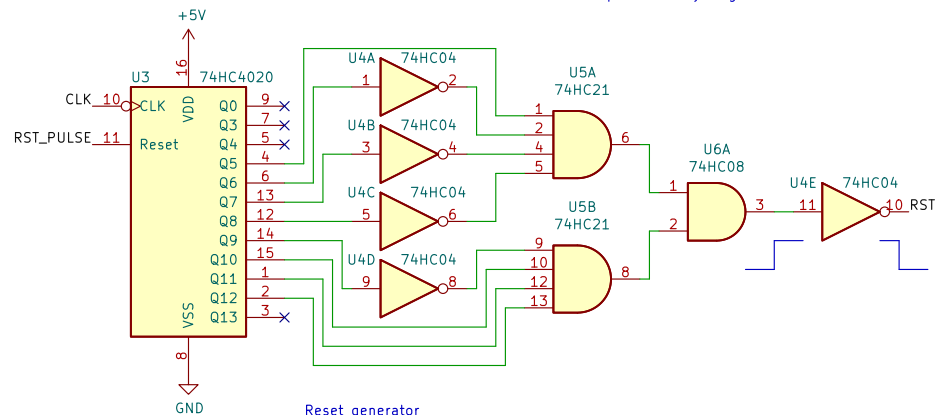
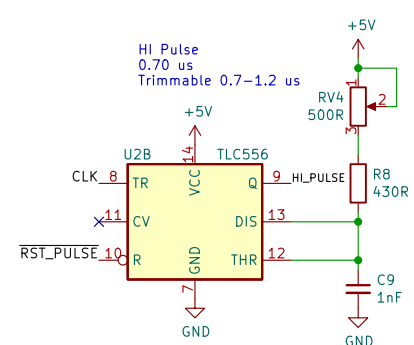
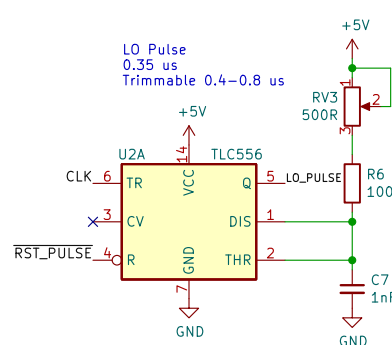


Trim pots: Bourns TC33X

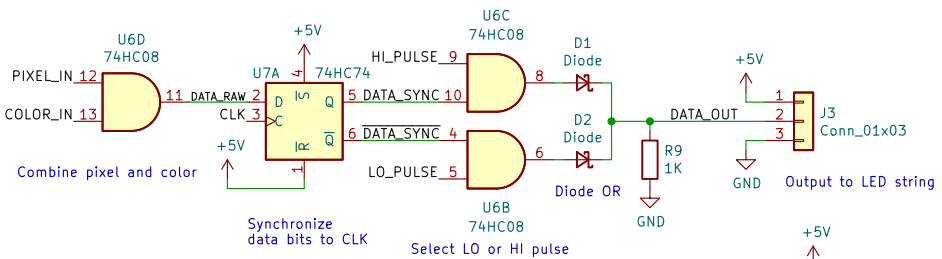


RST\_PULSE resets 555s and counter and pauses everything



Reset generator  
Counts to # of bits in LED string

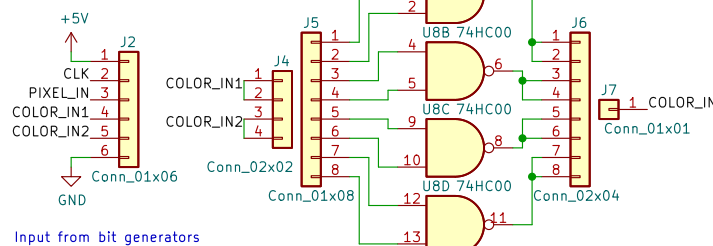
150 LEDs x 24 bits = 3600 = 1110 0001 0000  
300 LEDs x 24 bits = 7200 = 1 1100 0010 0000



Combine pixel and color

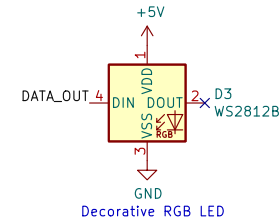
Synchronize data bits to CLK  
Select LO or HI pulse

Output to LED string



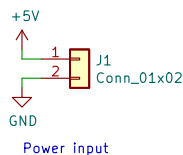
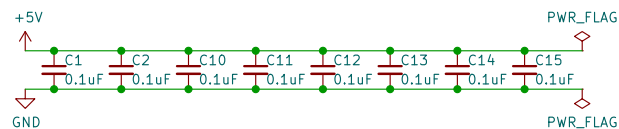
Input from bit generators

Mix color bits by wiring NAND gates

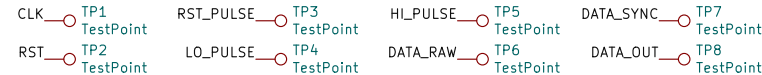
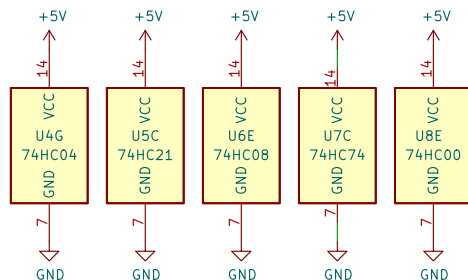


Decorative RGB LED

Spare flip-flop



Power input



<https://hackaday.io/project/183093-neopixel-punk-console>  
Adrian Studer

Sheet: /  
File: neopixel-punk-main.kicad\_sch

**Title: NeoPixel Punk Console**

Size: A4 Date: 2021-12-16

KiCad E.D.A. kicad (6.0.0)

Rev: 1.1

Id: 1/1

