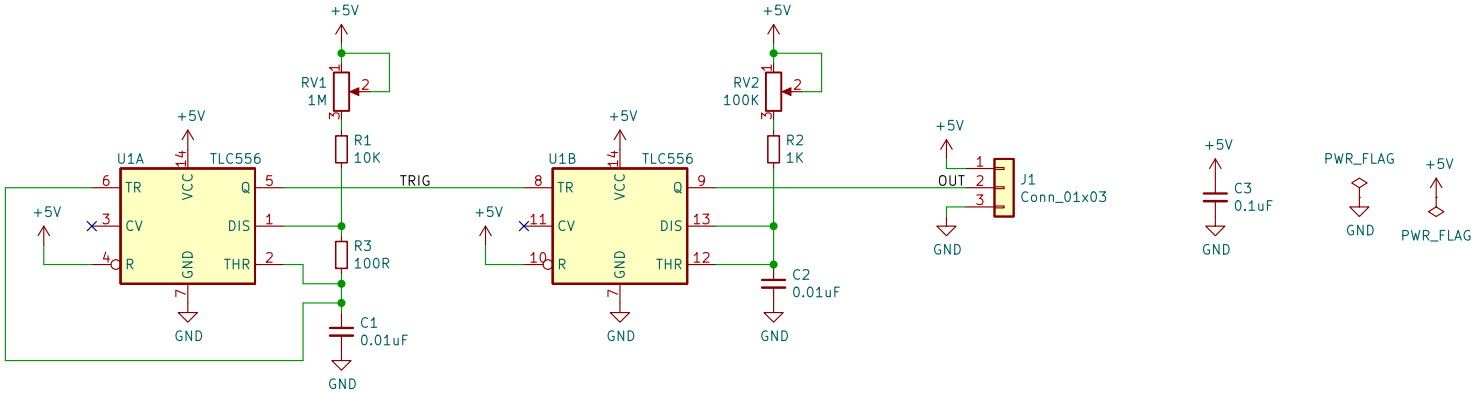
Potentiometers: 2.5mm pitch PTH, vertical or horizontal
(Bourns PTV09, TT P0915, Alpha RD901, Alps RK09K)

Knobs: 6mm D-shaft, ~20mm diameter (e.g. Davies part # 1101)



R1 limits max frequency (100R = 480 kHz, 10K = 14 kHz)
RV1 limits min frequency (100K = 1.4 kHz, 1M = 144 Hz)
Ref: LED = 33 kHz, frame = 100-200 Hz

LED: R1 10K, RV1 1M (0.135 - 11.5 kHz)
Color: R1 100R, RV1 100K (1.3 - 290 kHz)

R2 limits min pulse width (100R = 1.1 us, 1K = 11us)
RV2 limits max pulse width (10K = 110us, 100K = 1100us)
Ref: 1 LED = 33us

LED: R2 1K, RV2 100K (11 - 1100us)
Color: R2 100R, RV2 10K (1.25 - 100us)

H1 MountingHole
H2 MountingHole

TRIG TP1 TestPoint
OUT TP2 TestPoint

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

Sheet: /
File: neopixel-punk-oscillator.kicad_sch

Title: NeoPixel Punk Console - Oscillator

Size: A4	Date: 2021-12-17	**Rev: Rev 1.1**
KiCad E.D.A. kicad (6.0.0)		Id: 1/1