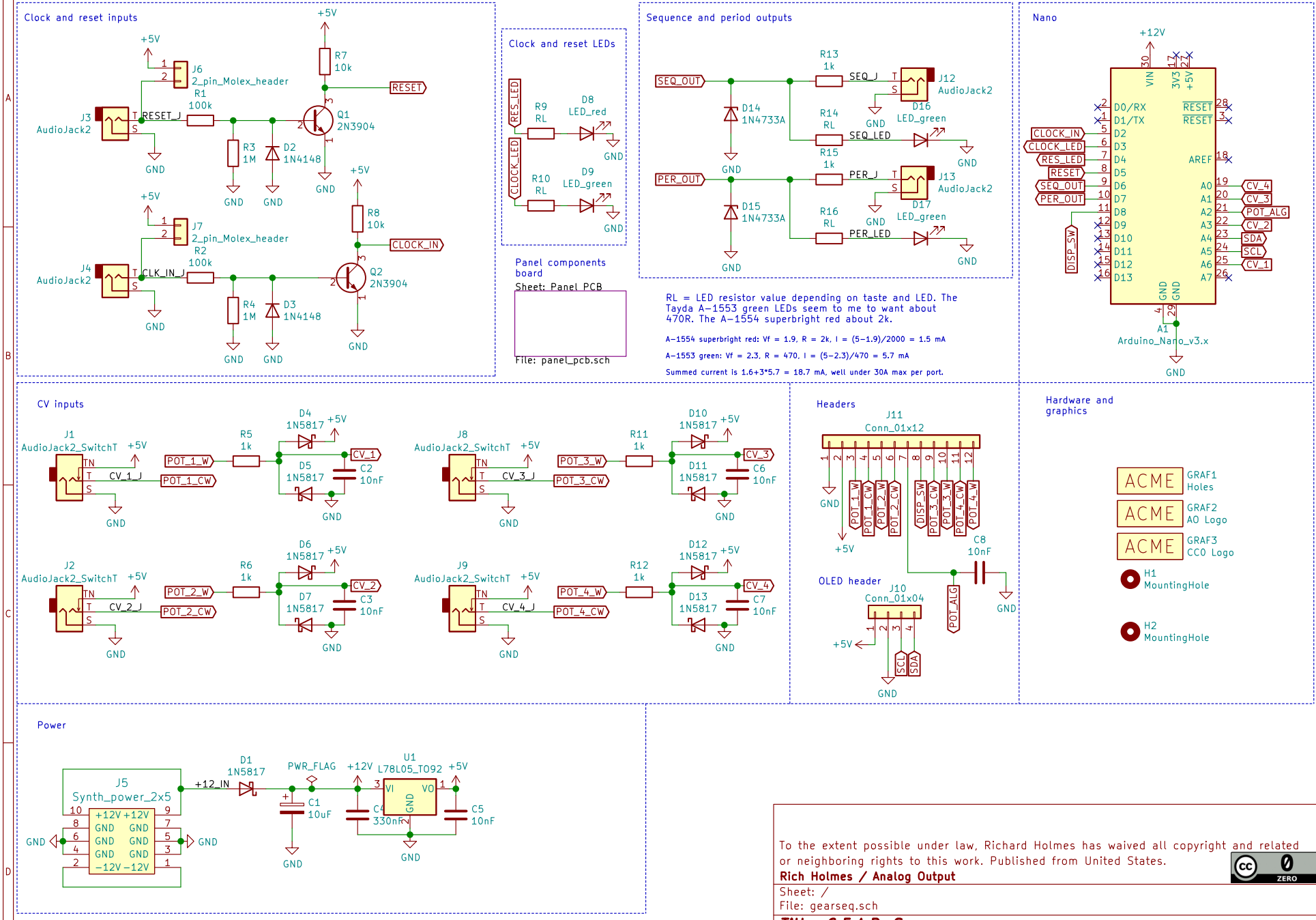
Clock and reset inputs
Clock and reset LEDs
Sequence and period outputs
Nano
Panel components board
Sheet: Panel PCB
File: panel_pcb.sch
RL = LED resistor value depending on taste and LED. The Tayda A-1553 green LEDs seem to me to want about 470R. The A-1554 superbright red about 2k.
A-1554 superbright red: Vf = 1.9, R = 2k, I = (5-1.9)/2000 = 1.5 mA
A-1553 green: Vf = 2.3, R = 470, I = (5-2.3)/470 = 5.7 mA
Summed current is 1.6+3*5.7 = 18.7 mA, well under 30A max per port.
CV inputs
Headers
Hardware and graphics
Power
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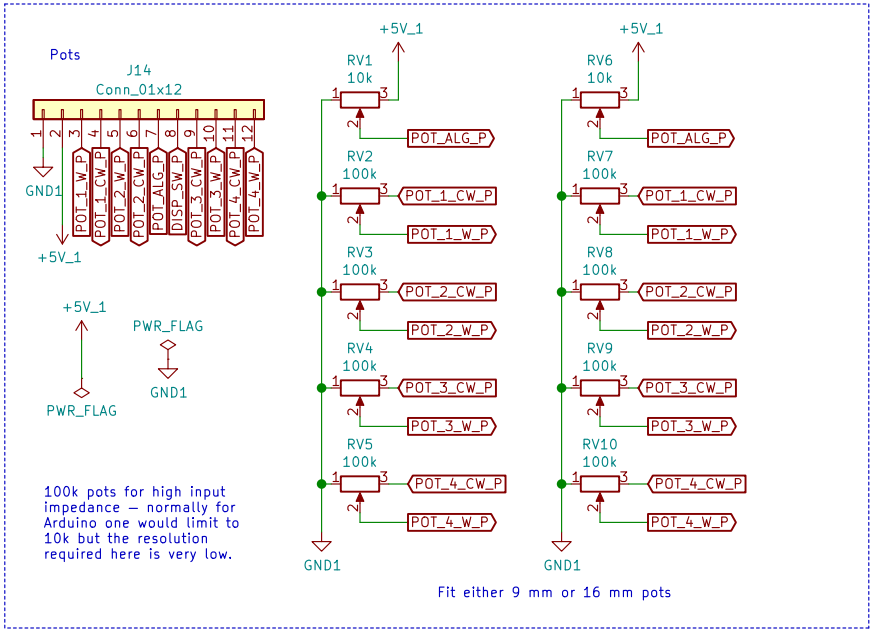
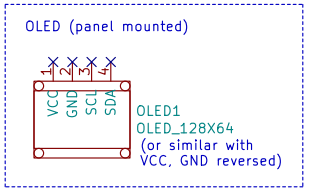
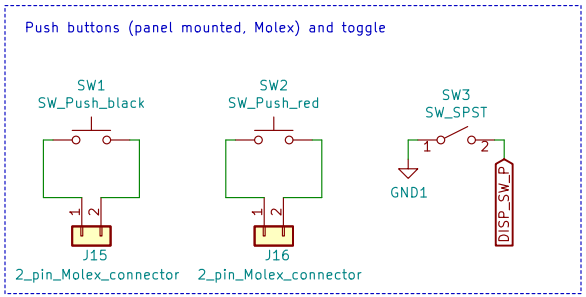
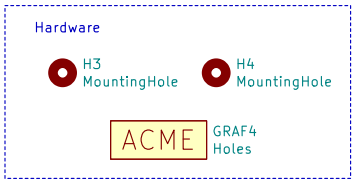
Rich Holmes / Analog Output
Sheet: /
File: gearseq.sch
Title: G.E.A.R. Sequencer
Size: USLetter
Date: 2021-07-29
Rev:
KiCad E.D.A. kicad 5.1.12-84ad8e8a8692ubuntu20.04.1
Id: 1/2









Rich Holmes / Analog Output

Sheet: /Panel PCB/
File: panel_pcb.sch

Title: G.E.A.R. Sequencer

Size: USLetter	Date: 2021-07-29	**Rev:**
KiCad E.D.A. kicad 5.1.12-84ad8e8a8692ubuntu20.04.1		Id: 2/2