

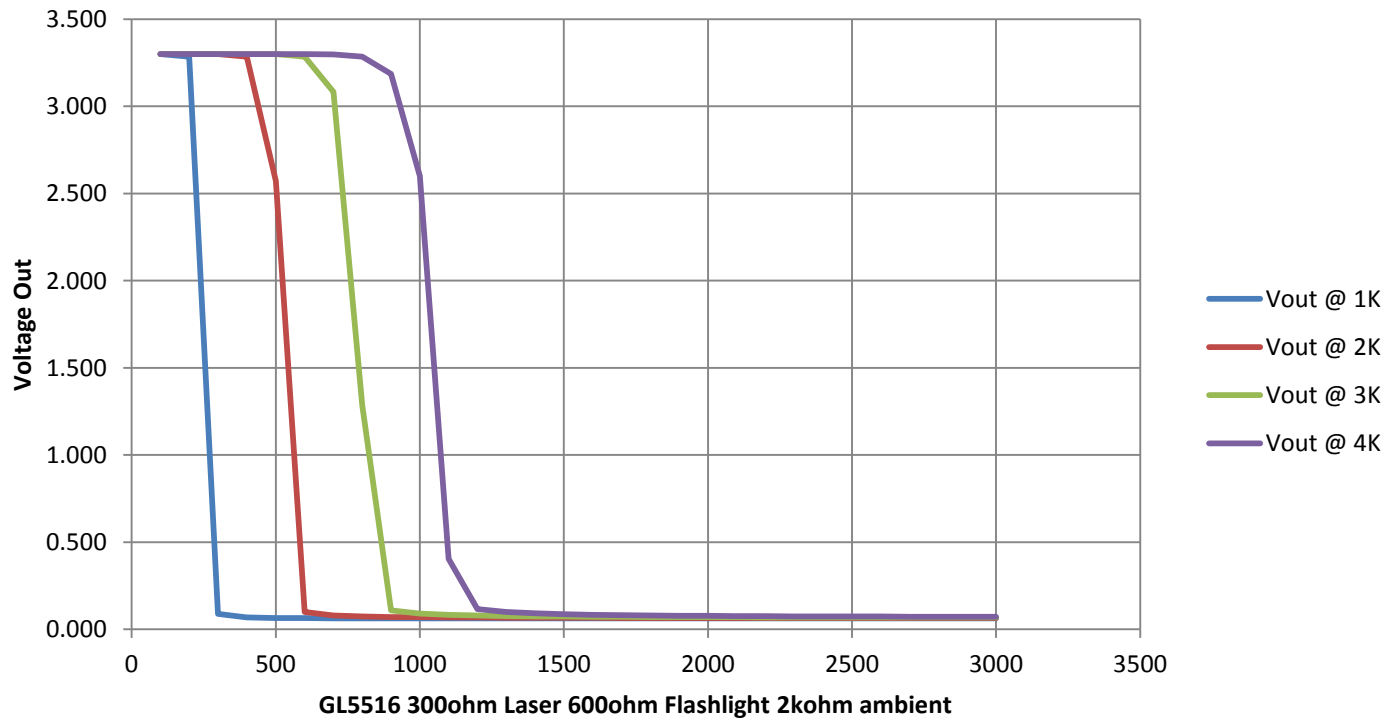
Consumes about 1 mA/chan no light

Consumes about 4 mA/chan w/light

R6 = Optoresistor 5mm GL5516 5516 by sunkee

R6 = shaded 10K ohm; ambient light 2.6K ohm; flashlight 600 ohm

ngSpice Light Sensor 2015-05-24

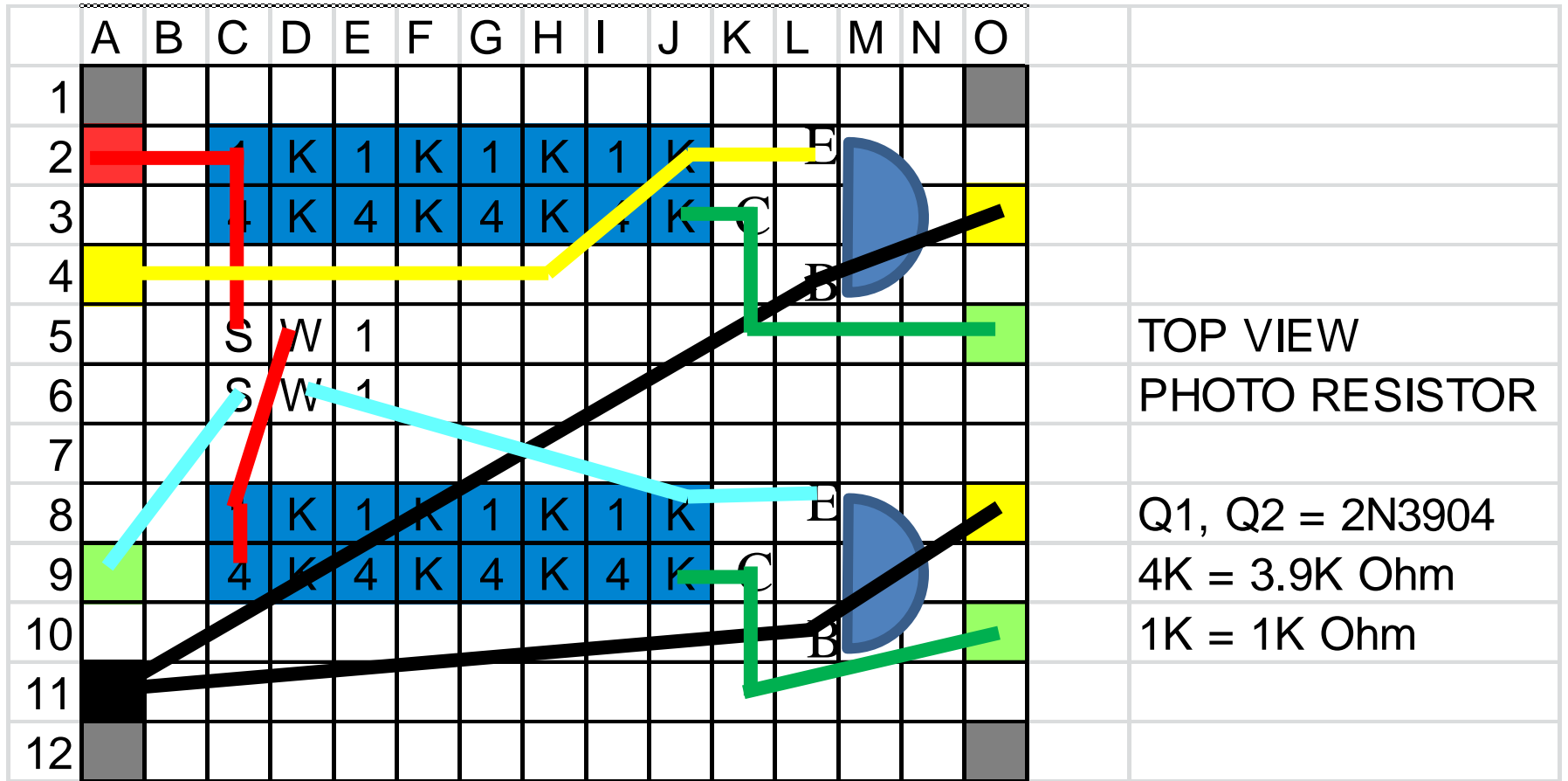


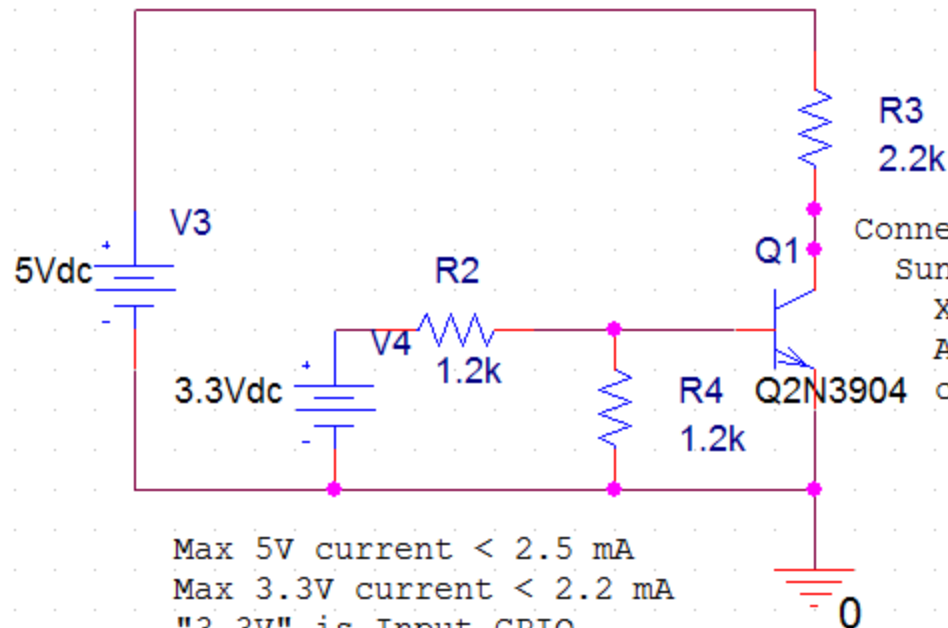
shaded 10K ohm

Ambient light 2.6K ohm

flashlight 600 ohm

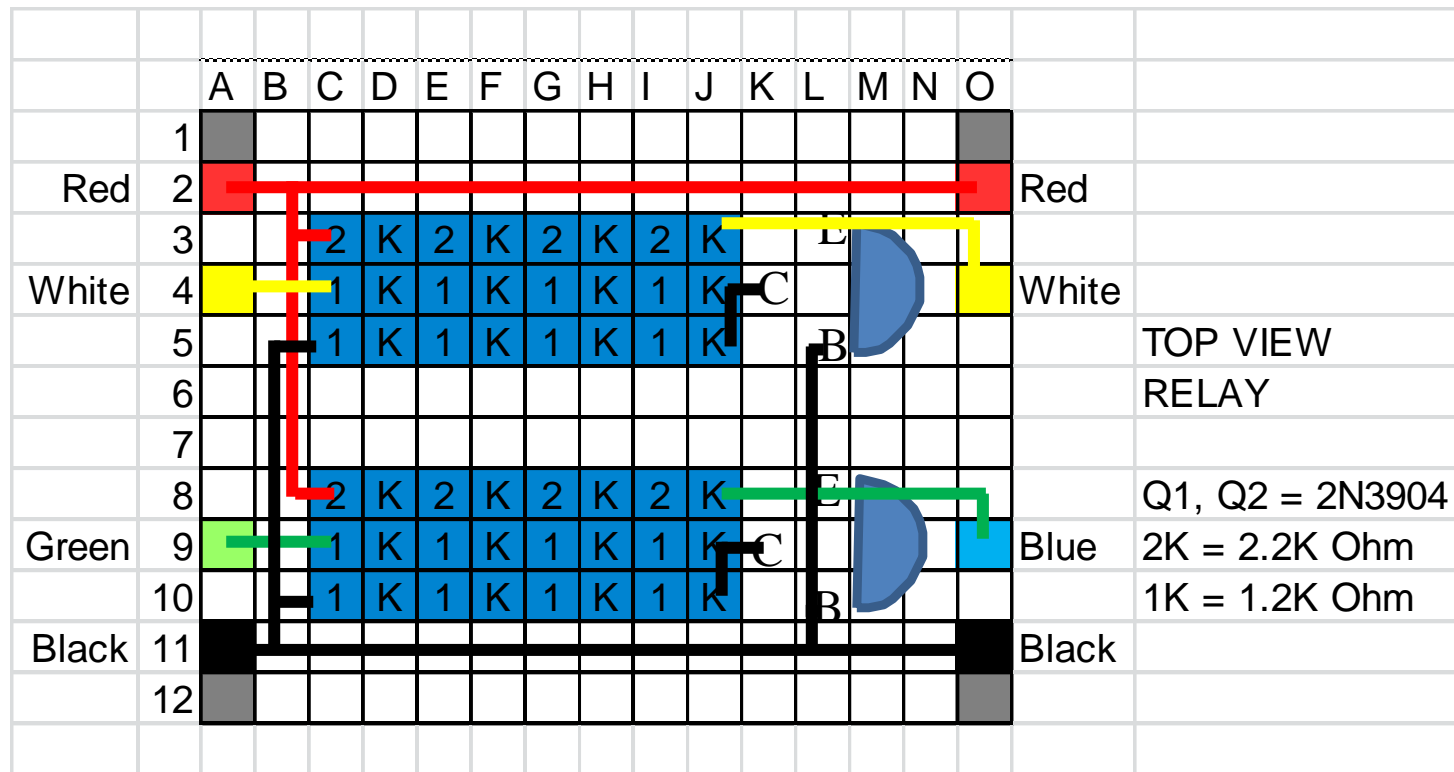
Direct laser 300 ohm

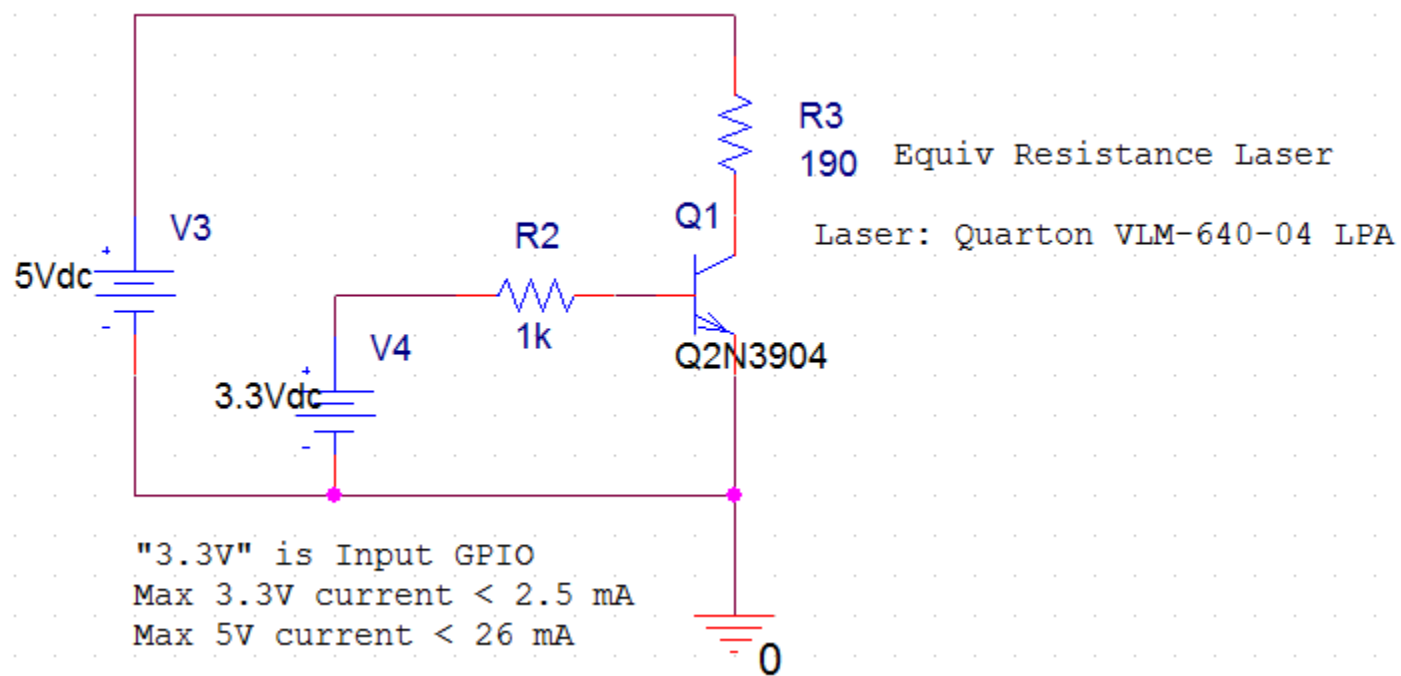


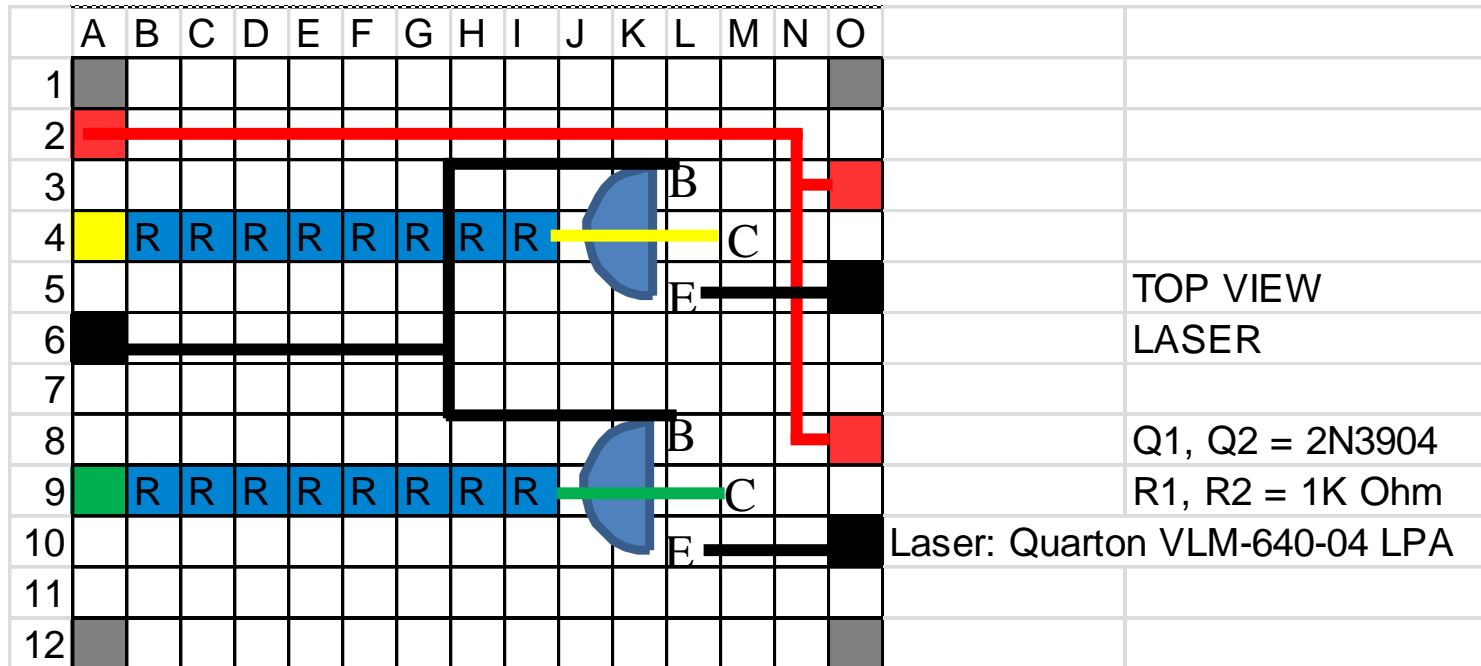


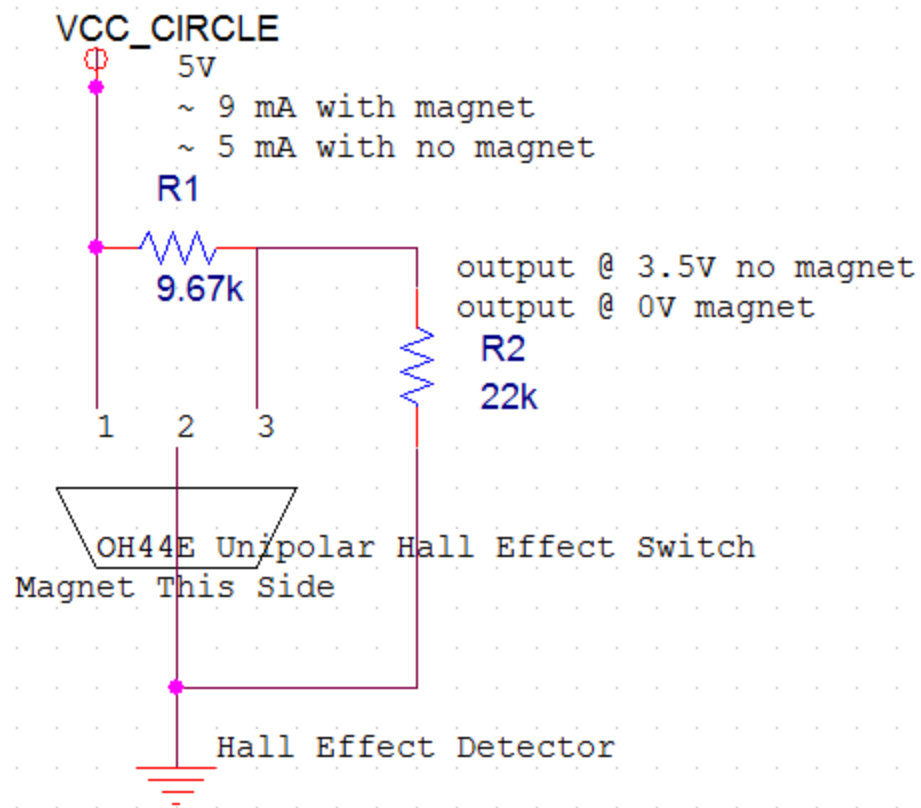
Connect to opto-isolated relay here
SunFounder 2 Channel 5V Relay Shield Module
X000HIDDHD
AMAZON.COM about \$6.50
consumes ~75 mA when energized else 0 mA

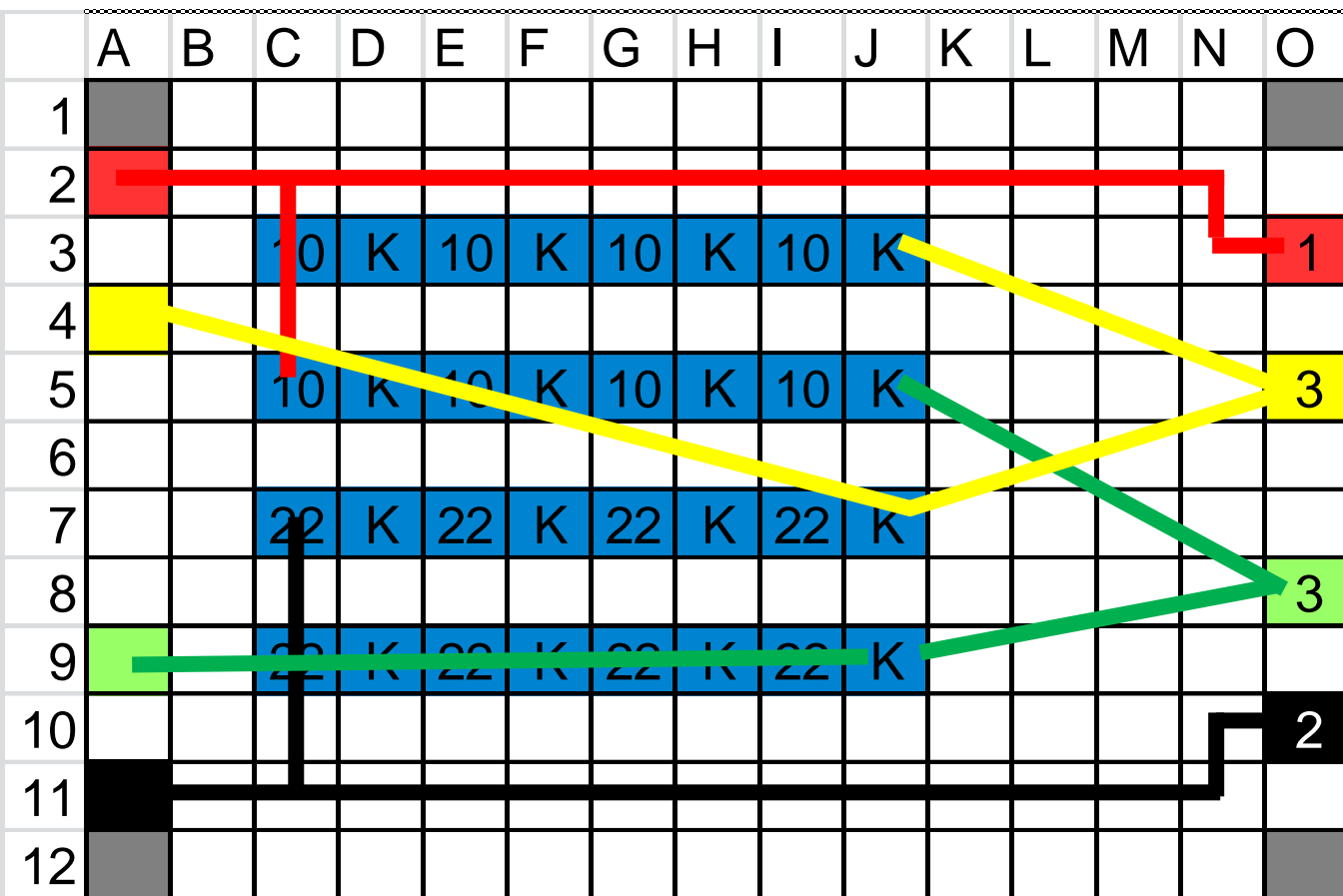
Max 5V current < 2.5 mA
Max 3.3V current < 2.2 mA
"3.3V" is Input GPIO











TOP VIEW
HALL EFFECT

10K = 9.6K Ohm
22K = 22K Ohm