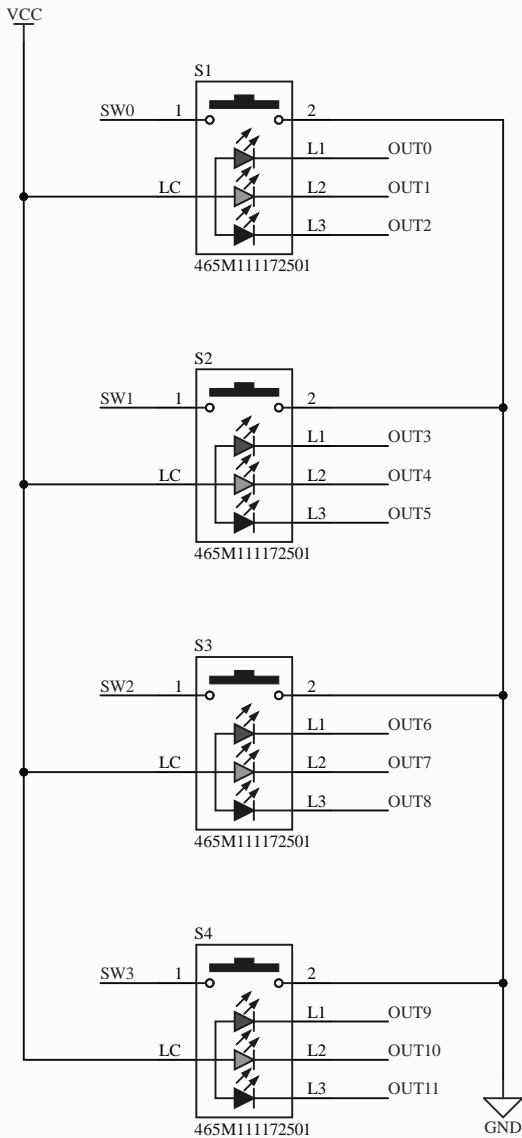
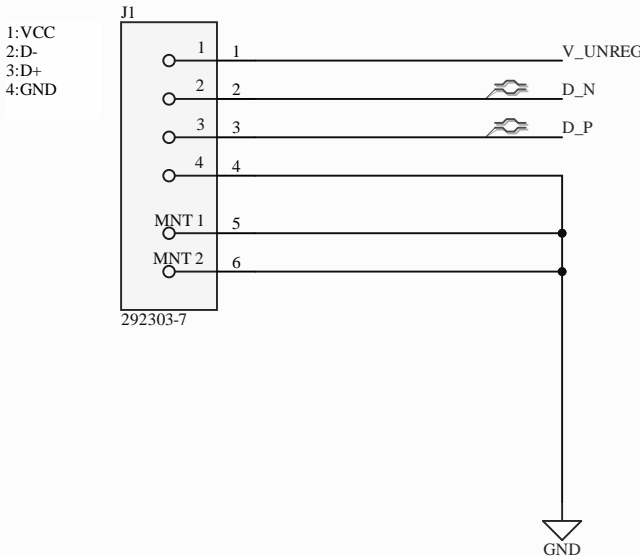


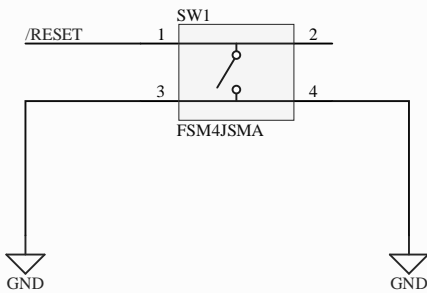
RGB SWITCHES



USB

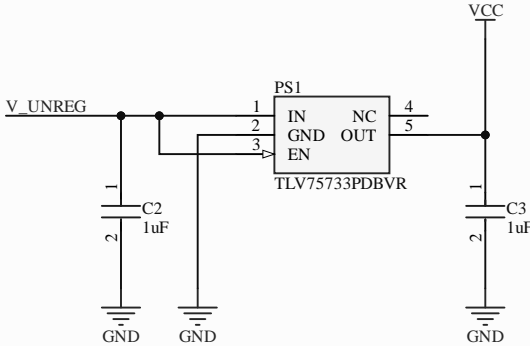


RESET (ACTIVE LOW)

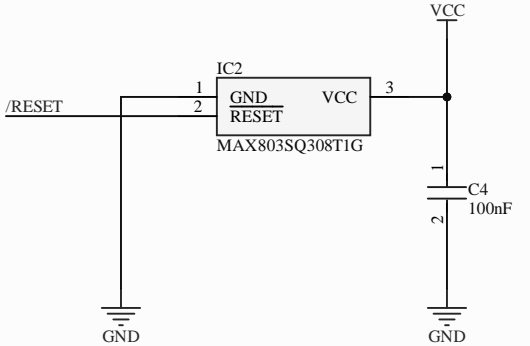


POWER MANAGEMENT

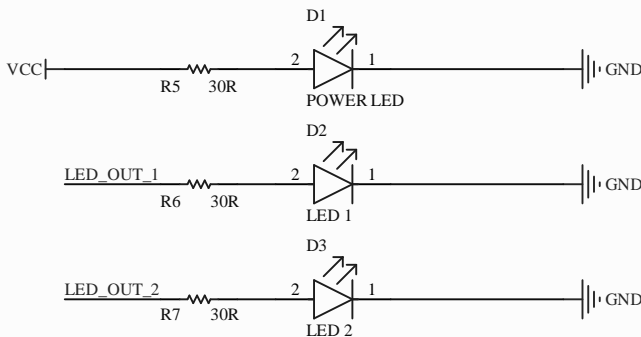
REGULATOR



POWER-ON-RESET

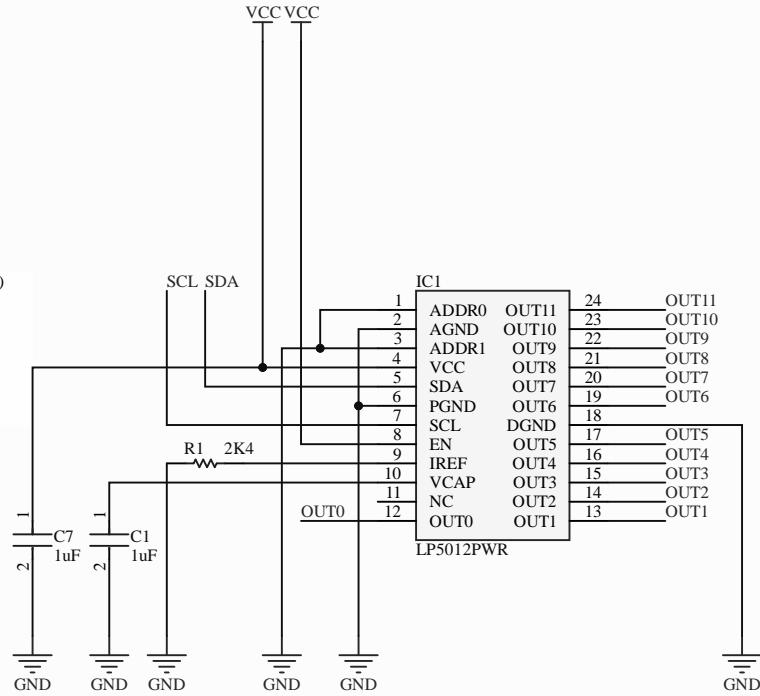


INDICATOR LEDs

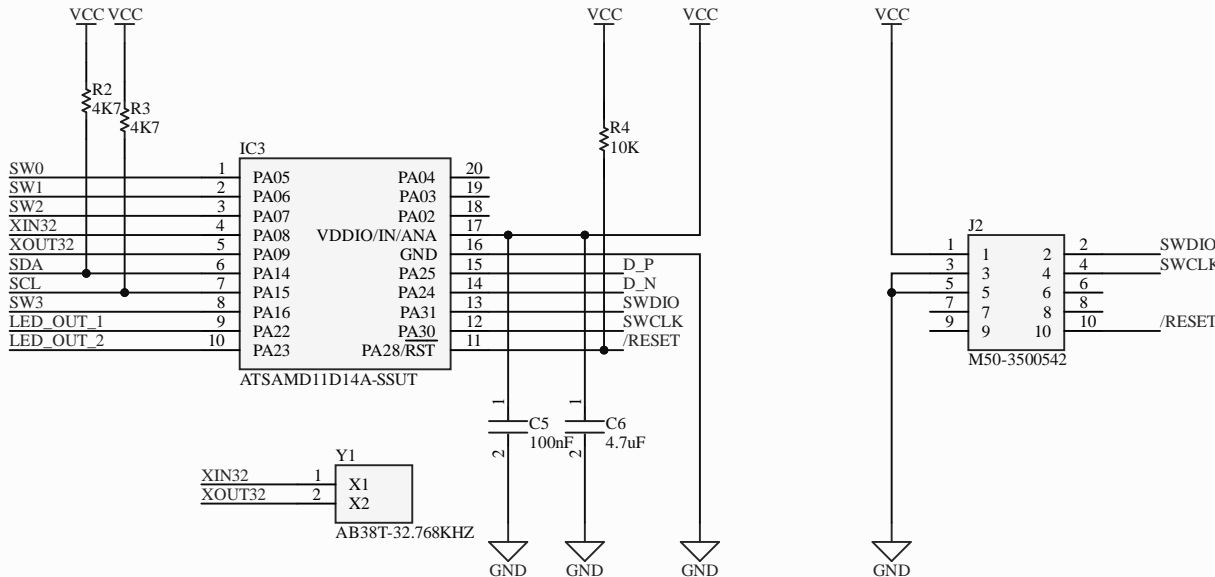


RGB DRIVER

$R_{iref} = K_{iref} * (V_{iref}/I_{set})$
 $K_{iref} = 105, V_{iref} = 0.7$
 $i_{set} = 30mA$
 $R_{iref} = 105 * (0.7 / 30mA)$
 $= 2450\ ohms$
 $R = 2K4\ ohms$



MCU + PROGRAMMER



Anton - 2021 Project Buran v1.2

1:VCC
2,4:SWDIO:SWCLK
3,5:GND
10:/RESET

