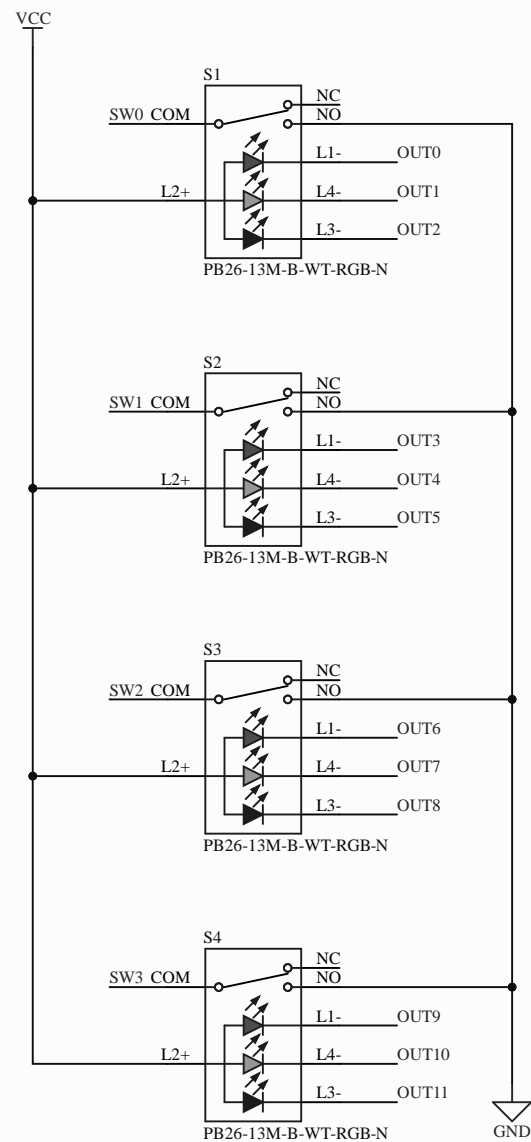
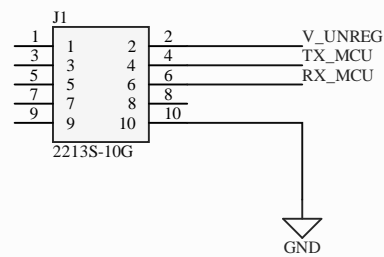


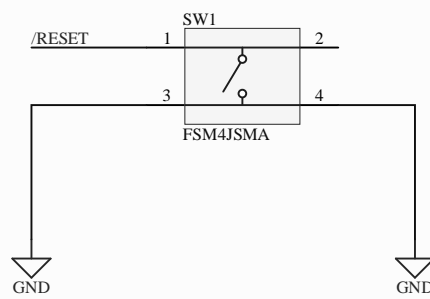
RGB SWITCHES



SERIAL HEADER

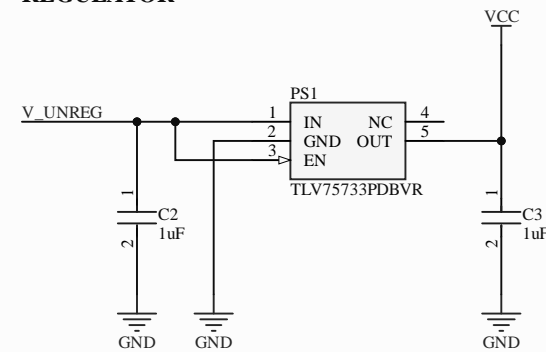


RESET (ACTIVE LOW)

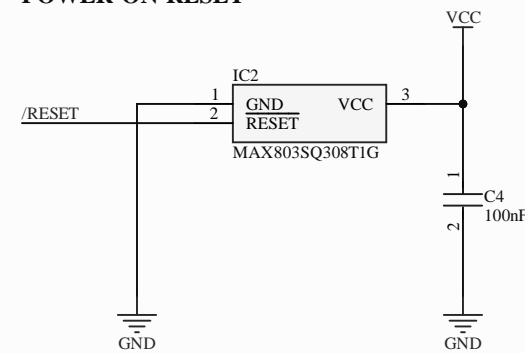


POWER MANAGEMENT

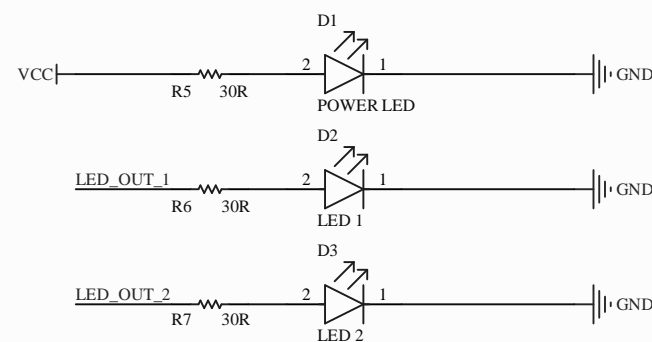
REGULATOR



POWER-ON-RESET

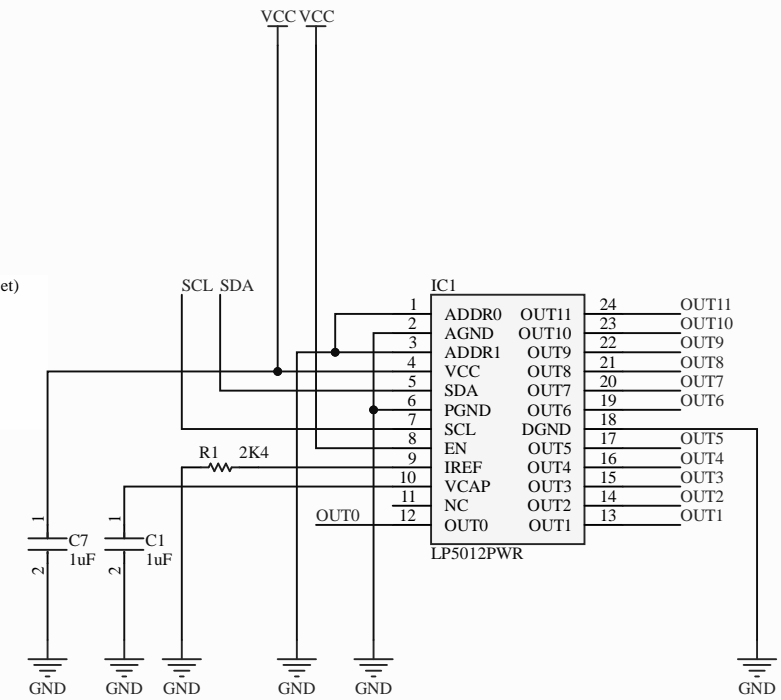


INDICATOR LEDs

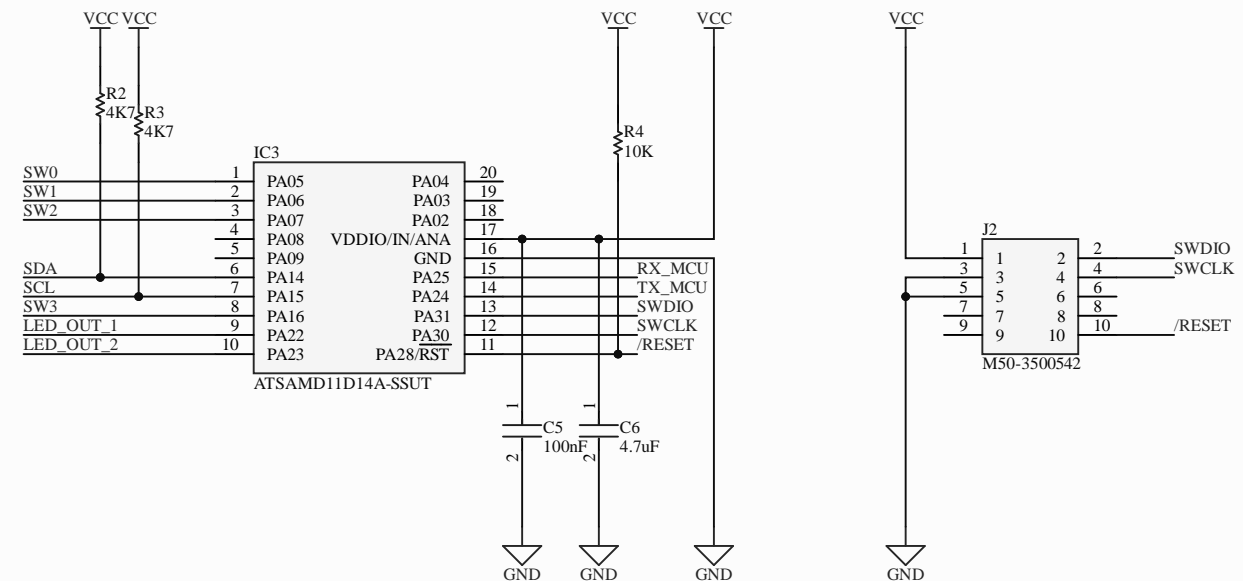


RGB DRIVER

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

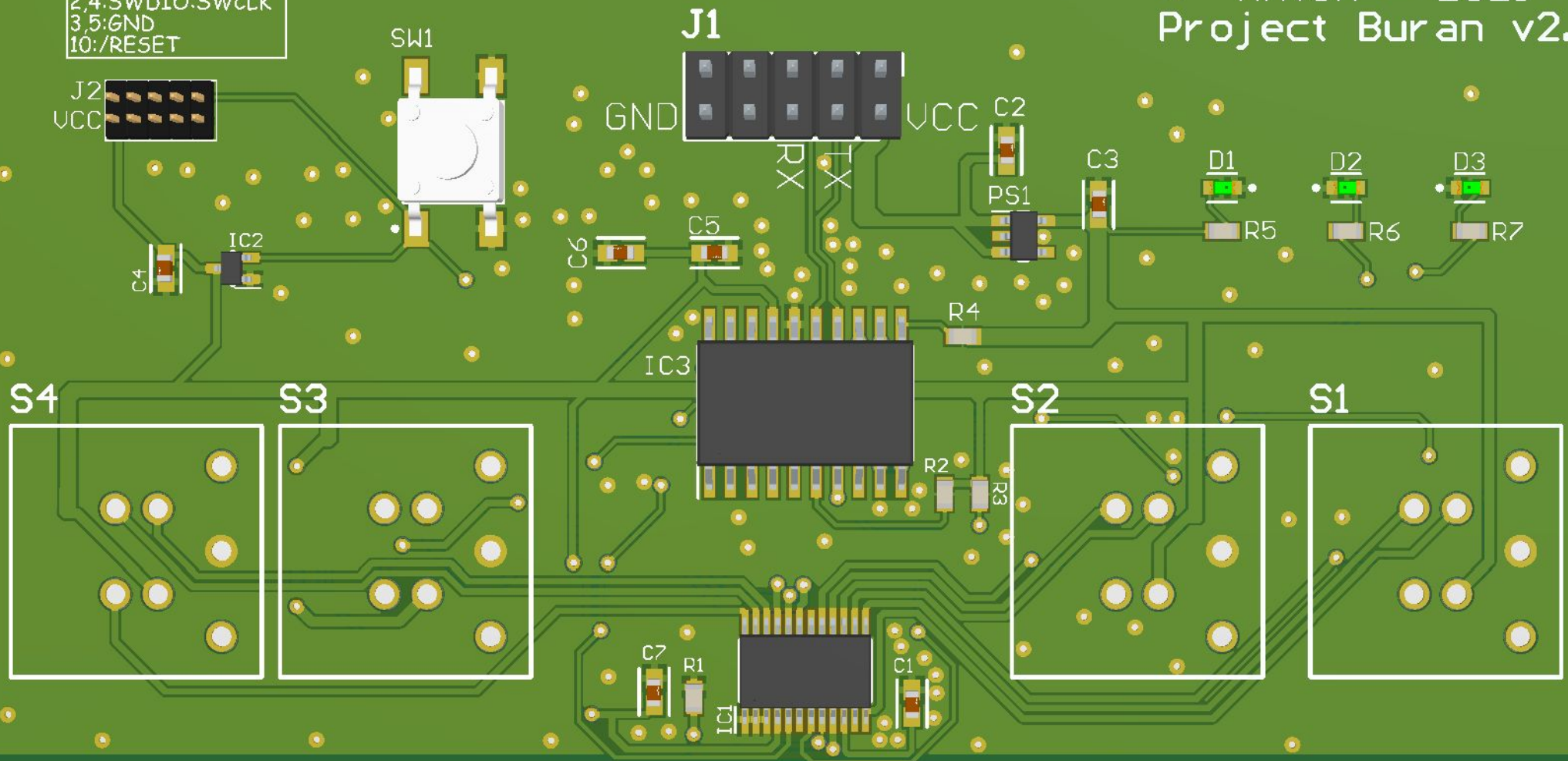


MCU + PROGRAMMER



Anton - 2021 Project Buran v2.0

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



Anton - 2021 Project Buran v2.0

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

