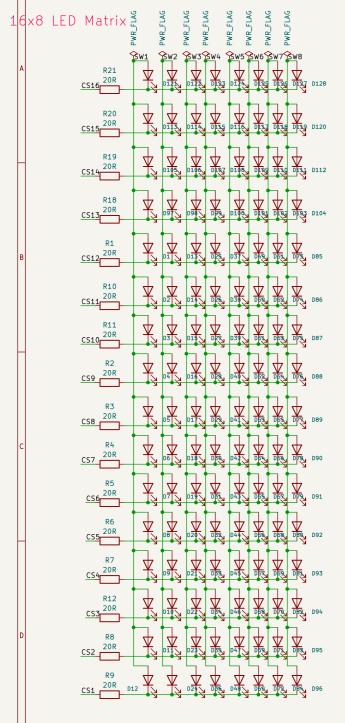
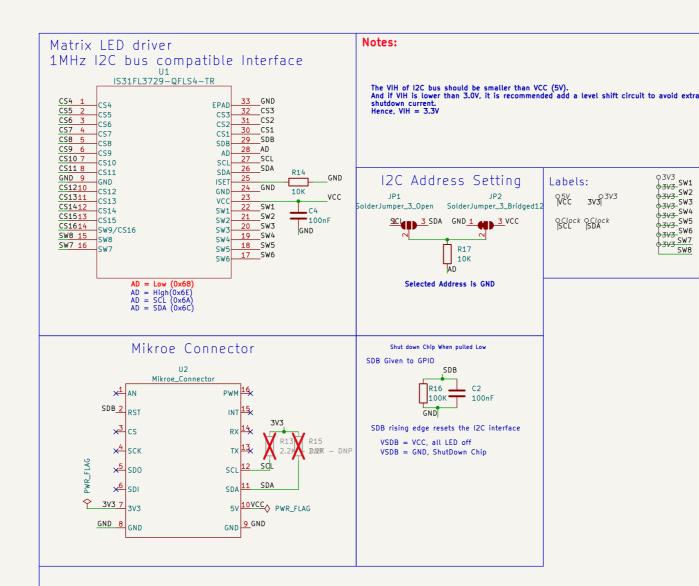
EVAL Board Guide:



These optional resistors are for offloading the thermal dissipation (P=1°2*R) away from the IS31FL3729 For red LED, it is recommended to use about 300hm more than blue/green LED, to offload more extra voltage due to lower forward voltage of red LED.

For Blue/Green it is 20ohm, and for White LED (Since forward voltage and current values are nearby to Blue and Green LED)



Current Calculation:

- 1) Quiescent Current = 3mA (When Shotdown Vsdb = Vcc) and all LEDs are off. 2) Shutdown Current = 5uA
- 3) Maximum constant current of CSx pins = 35mA LED Forward Current 20mA (When R-ISET =10K)

To Limit the current in CSx Pins: Page 13

Scaling register control the DC output current of each CSy. Each CSy has a byte to modulate the scaling in 256 steps.
The value of the Scaling Register decides the peak current of each LED noted IOUT(PEAK).