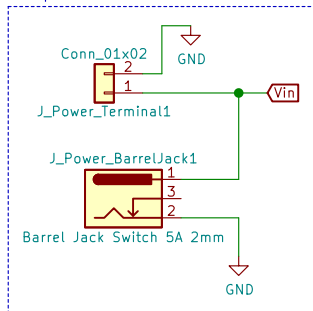
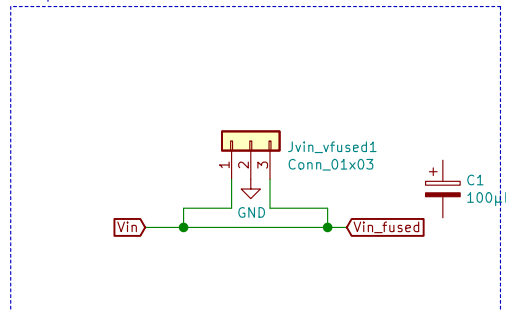


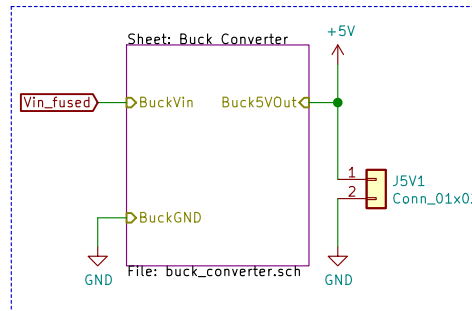
## Input Connectors



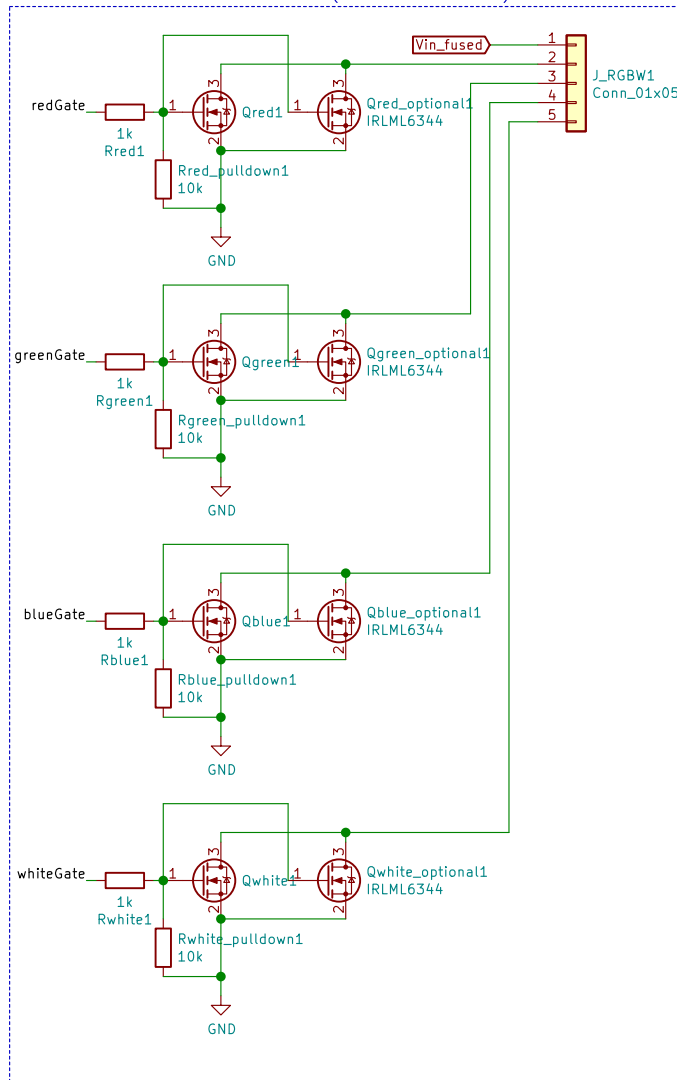
## Input Protection



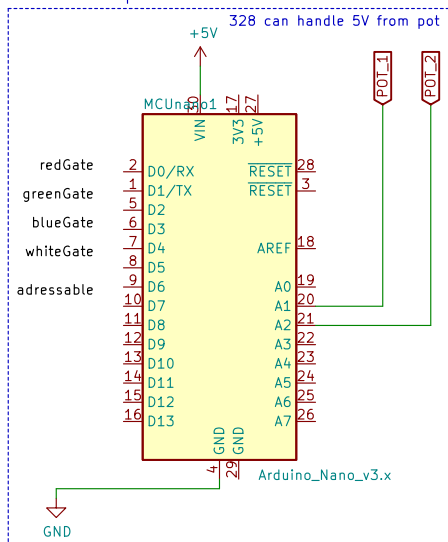
## 5V Buck



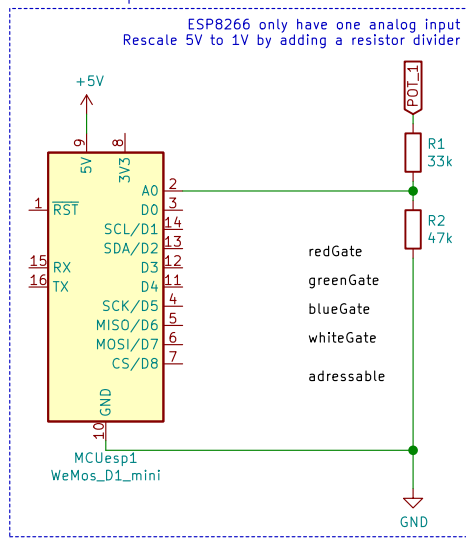
## RGBW LED Driver (CV-mode)



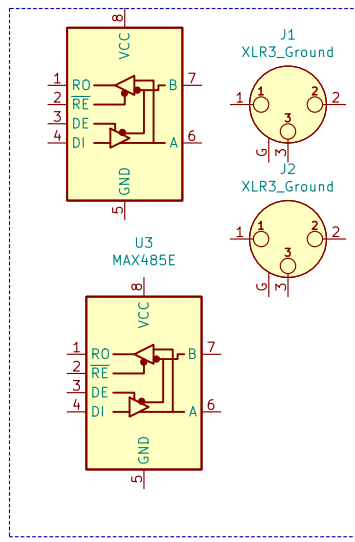
## MCU Option Nano



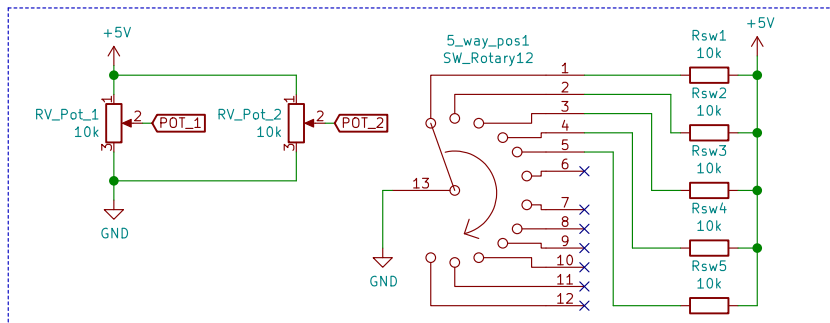
## MCU Option Wemos



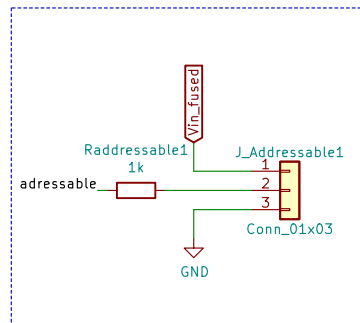
## DMX



## User Interface



## Addressable LED



Sheet: /  
 File: LightBoxNano.sch

**Title:**

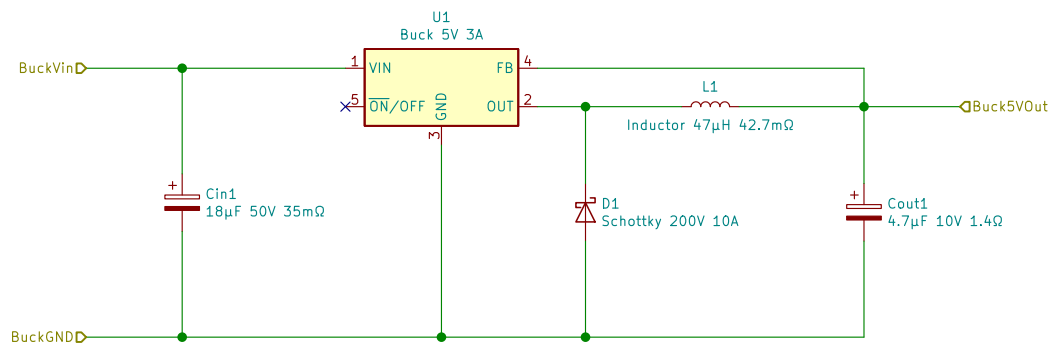
Size: A4

Date:

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**Rev:**

Id: 1/2



Using TI's LM2596 guide:

Vin: 30V

Vout: 5V

Iout: 3A

Efficiency: 77.1%

Duty Cycle: 19.95%

Frequency: 150kHz

Vout p-p: 945.86mV

<https://webench.ti.com/power-designer/switching-regulator/select>

<https://webench.ti.com/appinfo/webench/scripts/SDP.cgi?ID=572687AF787DDED1>

Sheet: /Buck Converter/  
File: buck\_converter.sch

**Title:**

Size: A4

Date:

KiCad E.D.A. kicad (5.1.5)-2

**Rev:**

Id: 2/2