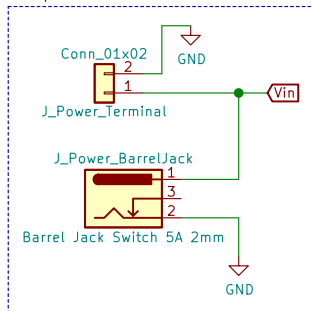
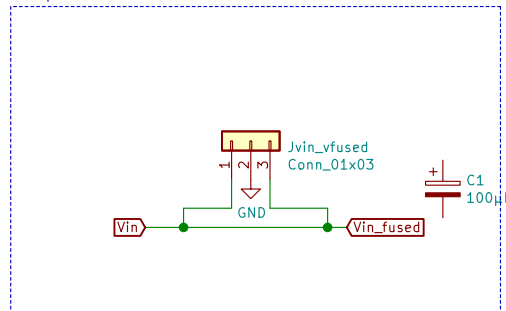


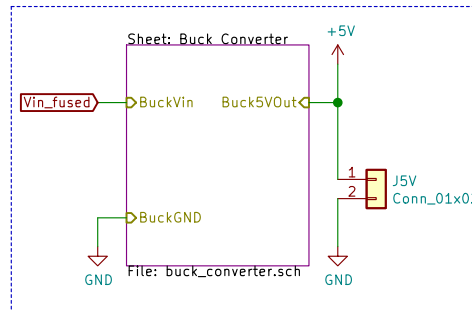
Input Connectors



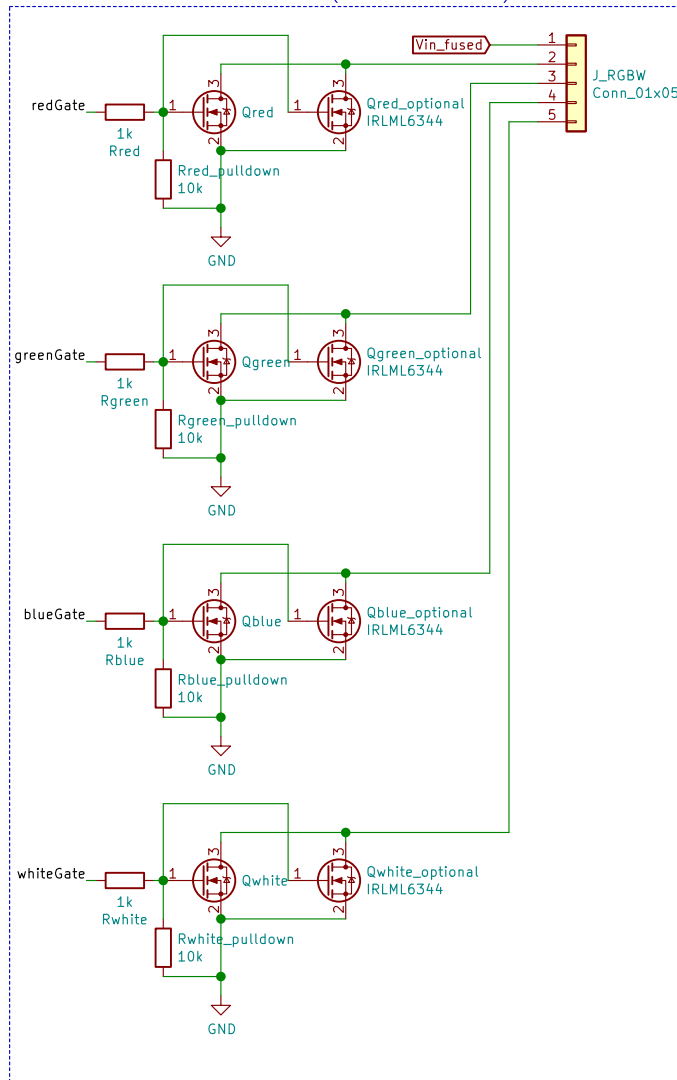
Input Protection



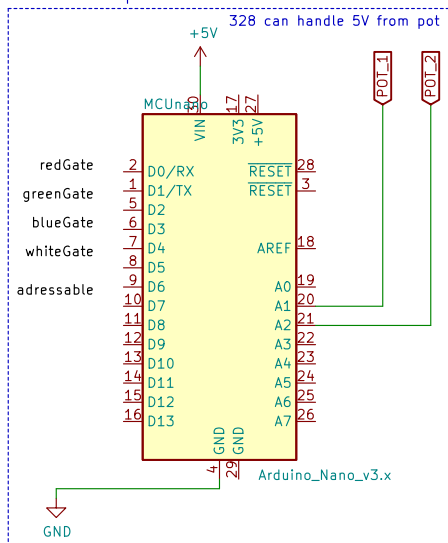
5V Buck



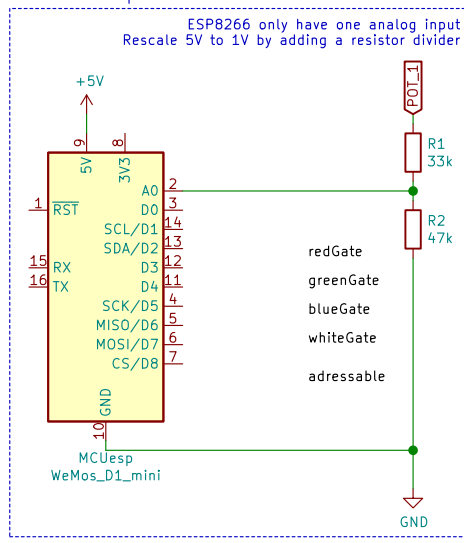
RGBW LED Driver (CV-mode)



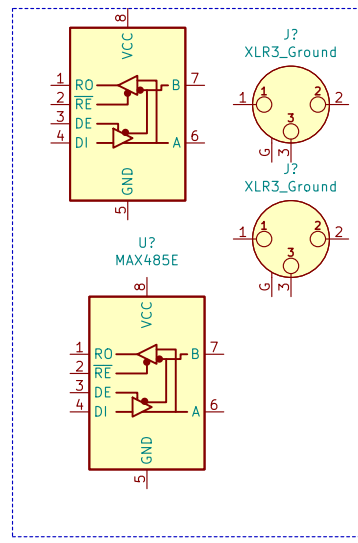
MCU Option Nano



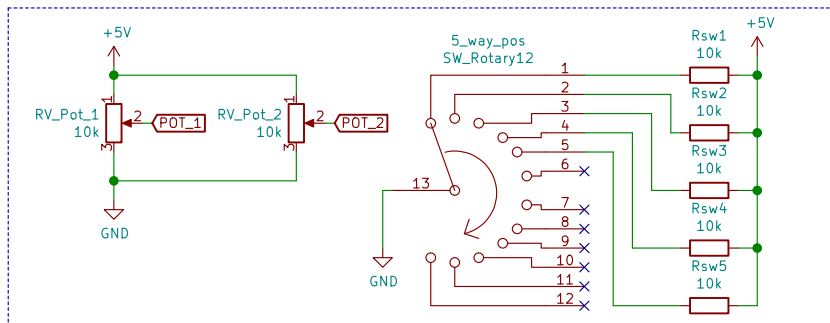
MCU Option Wemos



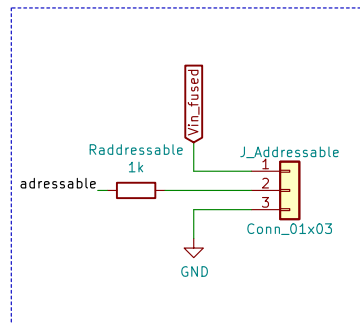
DMX



User Interface



Addressable LED



Sheet: /
 File: LightBoxNano.sch

Title:

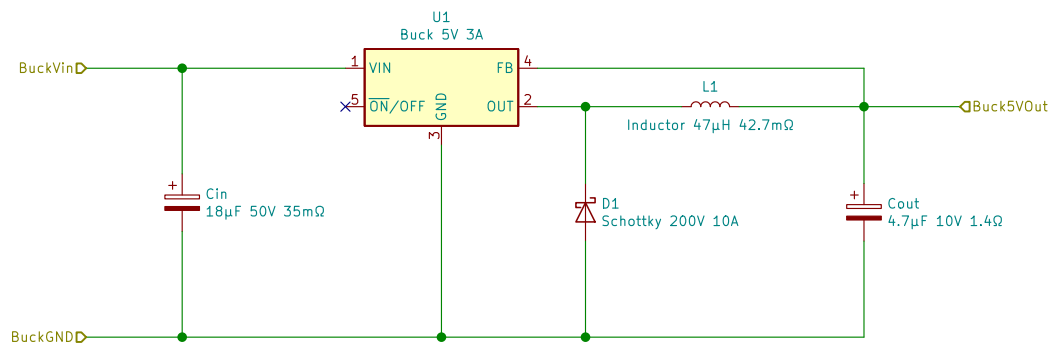
Size: A4

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:

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Rev:

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