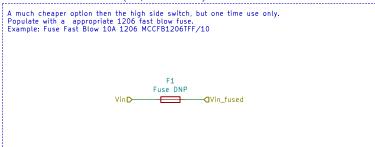
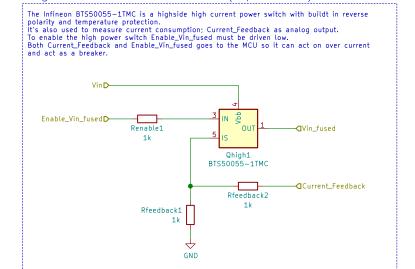


Classic Fuse (Option 1)

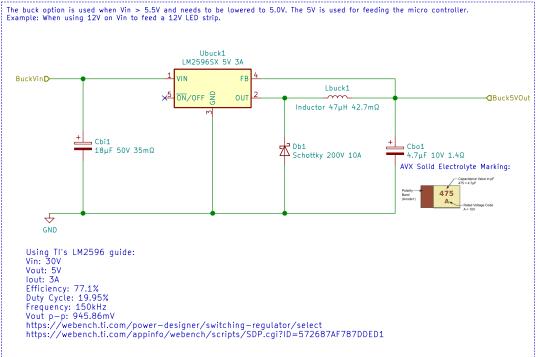


Highside Power Switch (Option 2)

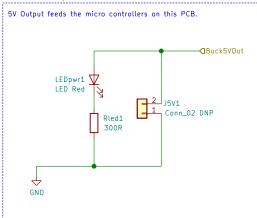


| http://tim.gremalm.se/ | | | |
|---------------------------------------------------------------|---------|--|--|
| https://github.com/TimGremalm/LightBoxNano | | | |
| | | | |
| a generic PCB for controlling LED's both LED strip and WS2812 | | | |
| Tim Gremalm | | | |
| Sheet: /Input Protection/ | | | |
| File: input_protection.sch | | | |
| Title: LightBoxNano — Input Protection | | | |
| Size: A4 Date: | Rev: | | |
| KiCad E.D.A. kicad (5.1.5)-2 | ld: 2/4 | | |

Use 5V Buck (Option 1)



5V Output



Use direct 5V (Option 2)

The direct option is pnly used when Vin is 5V and we don't need to lower the voltage.
A typical use case is when using addressable LED strip like WS2812.

BuckVinD 102

Link_Vin_To_5V1

| http://tim.gremalm.se/ https://github.com/TimGremalm/LightBoxNano |
|----------------------------------------------------------------------|
| a generic PCB for controlling LED's both LED strip and WS2812 |
| Tim Gremalm |
| Sheet: /Buck Converter/ |
| File: buck_converter.sch |

| Title: LightBoxNano — Buck Converter | | |
|--------------------------------------|---------------|---------|
| Size: A4 | Date: | Rev: |
| KiCad E.D.A. kid | cad (5.1.5)-2 | ld: 3/4 |

