

A 10nF capacitor on the BYP pin will significantly reduce output noise, but it may be left unconnected if the output noise is not a major concern. The SPX3819 start-up speed is inversely proportional to the size of the BYP capacitor. Applications requiring a slow rampup of the output voltage should use a larger CBYP. However, if a rapid turn-on is necessary, the BYP capacitor can be omitted.

MAX Power summary for 3V3 rail:

ESP32-WROOM: 500 mA (min)

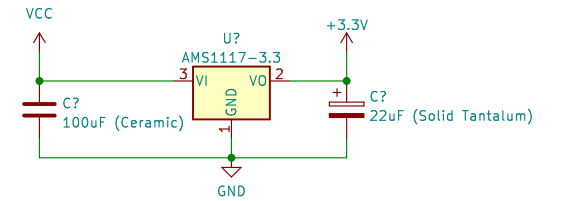
Buzzer: 95 mA (max)

CH340C: 20 mA (max)

AD7190: 10 mA (max)

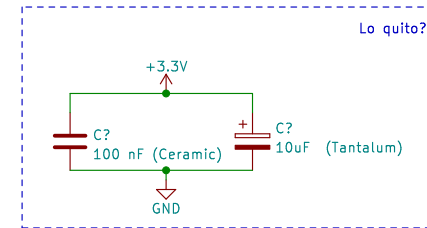
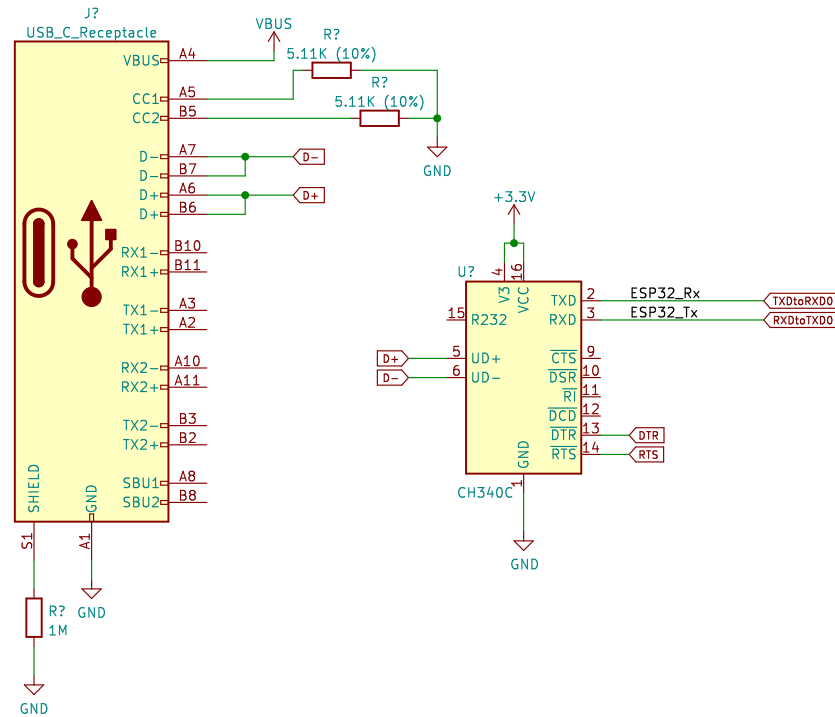
SHT30-DIS: 1.5 mA (max)

Power LED: 1 mA (max)



How to add USB-C to your projects:

[https://www.pcbway.com/blog/PCB\\_Design\\_Tutorial/How\\_to\\_add\\_USB\\_C\\_to\\_your\\_projects.html](https://www.pcbway.com/blog/PCB_Design_Tutorial/How_to_add_USB_C_to_your_projects.html)



Reset and Boot command circuit.

For flashing ESP32

