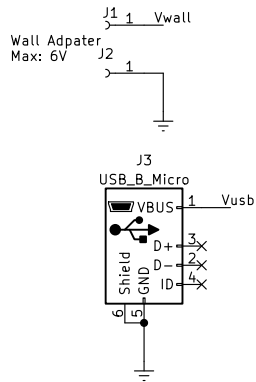
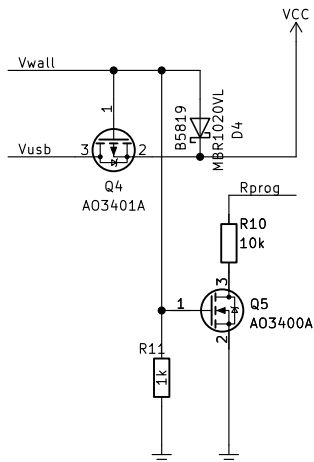


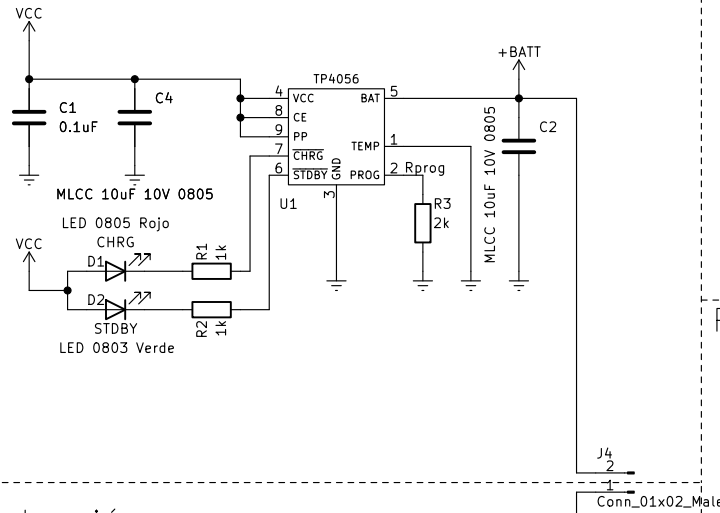
Entrada



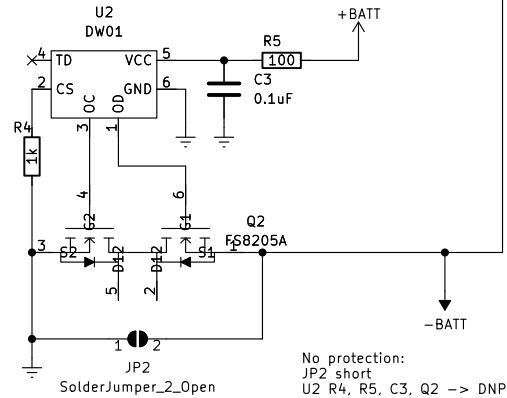
USB + Wall Adapter



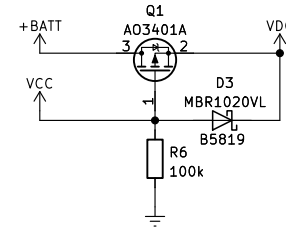
Cargador



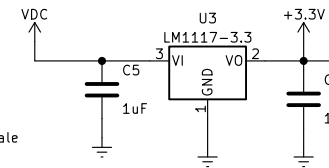
Protección



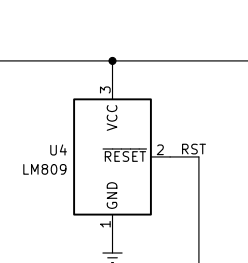
Power Path



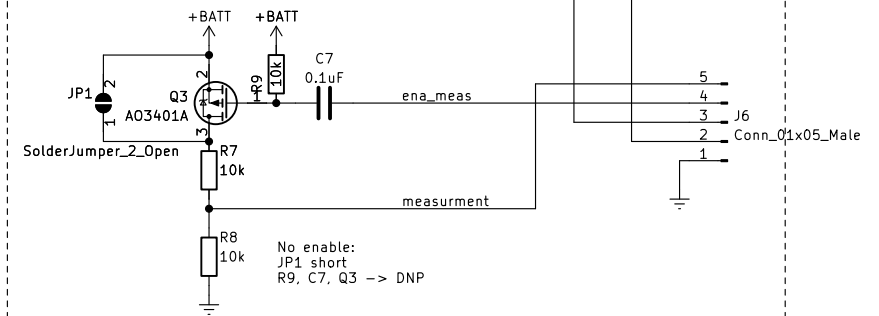
Regulador 3V3



Reset



Medidor Bateria



Corriente de carga diferentes para USB y Entrada CC
[TP4054 datasheet]
Con USB Rprog = R3
Con Wall Rprog = R3||R10

Rprog set charging current
10k -> 130 mA
5k -> 250 mA
4k -> 300 mA
3k -> 400 mA
2k -> 580 mA
1k5 -> 780 mA
1k3 -> 900 mA
1k2 -> 1000 mA

Truco para no consumir siempre en el divisor
<https://fetticks.blogspot.com/2014/01/reducing-voltage-divider-load-to-extend.html>

Tochi Moreno
LUXIS S.A.

Sheet: /
File: tp4056.kicad_sch

Title: Battery charger w/accesories

Size: A4 Date: 2022-08-01
KiCad E.D.A. kicad 6.0.7-f9a2dced07-116-ubuntu22.04.1

Rev:
Id: 1/1

