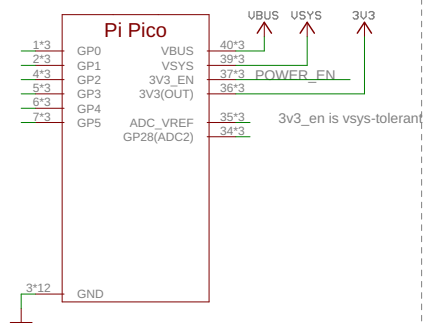


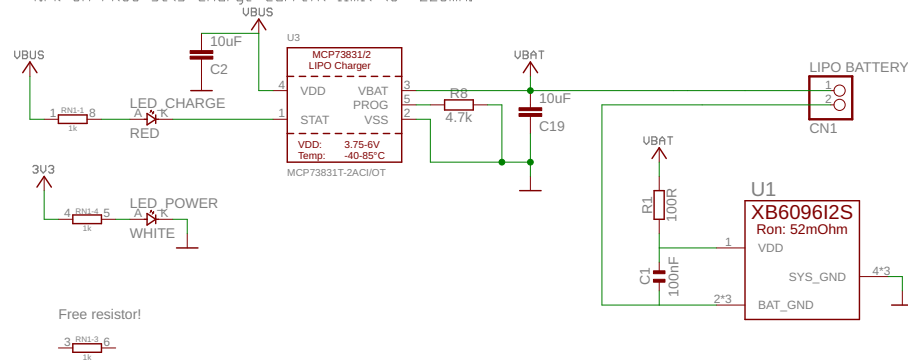
Lipo SHIM for Pico (PIM557)

Pico connector

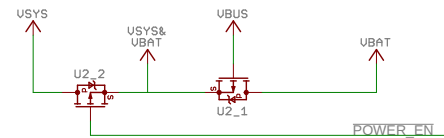


Lipo charger, protection and connector

4.7k on PROG sets charge current limit to ~220mA.



Vsys & Vbat switching FET



Typical discharge power path resistance:
XB609612S: 52mOhm
DMP2075UFDB: 64mOhm

->

$52 + 2 \cdot 64 = 180\text{mOhm}$
Voltage drop at 1A = 180mV

Power switch toggle circuit

