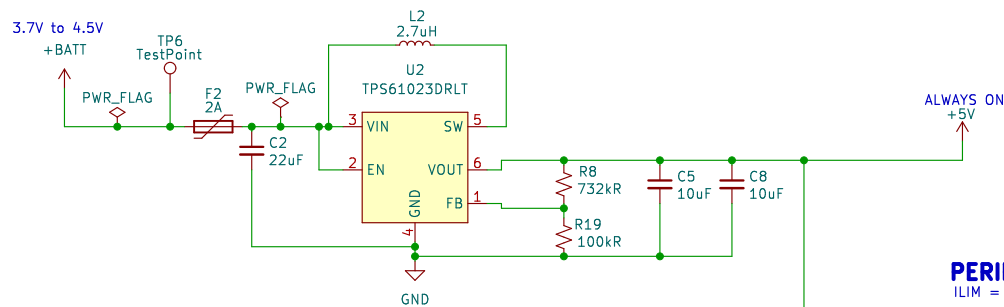


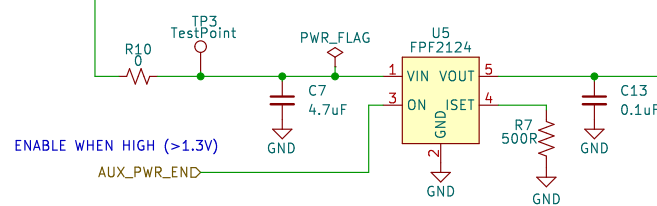
5V BOOST REGULATOR

IMAX = 2A



PERIPHERAL BOARD LOAD SWITCH

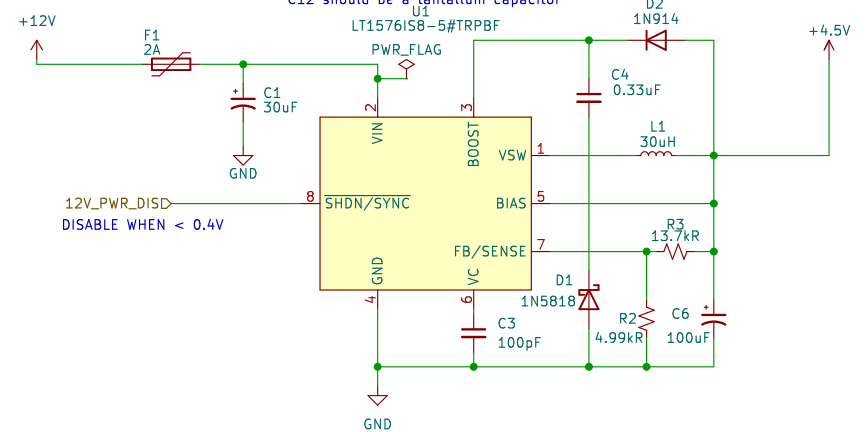
ILIM = 460/R7 = 460/500R = 0.92A CURRENT LIMIT



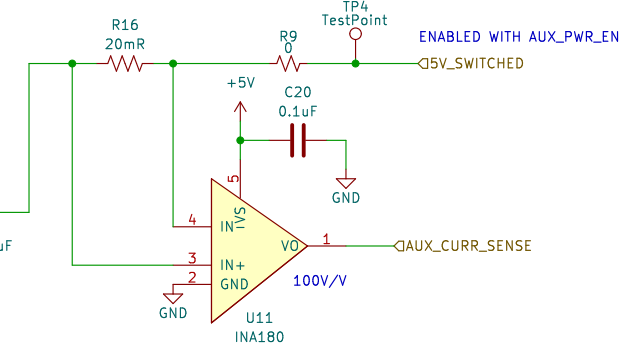
4.5V BUCK REGULATOR

IMAX = 1.25A

C6 should be an aluminum capacitor
C12 should be a tantalum capacitor



VBATT_CURR_SENSE = Iout*R3*100V/V = (5V-0.02V) max = 4.98V max
I_max_sense = (4.98V)/(20mR*100V/V) = 2.49A



Sheet: /Power Supplies & Regulators/
File: grandpapa_Power.kicad_sch

Title:

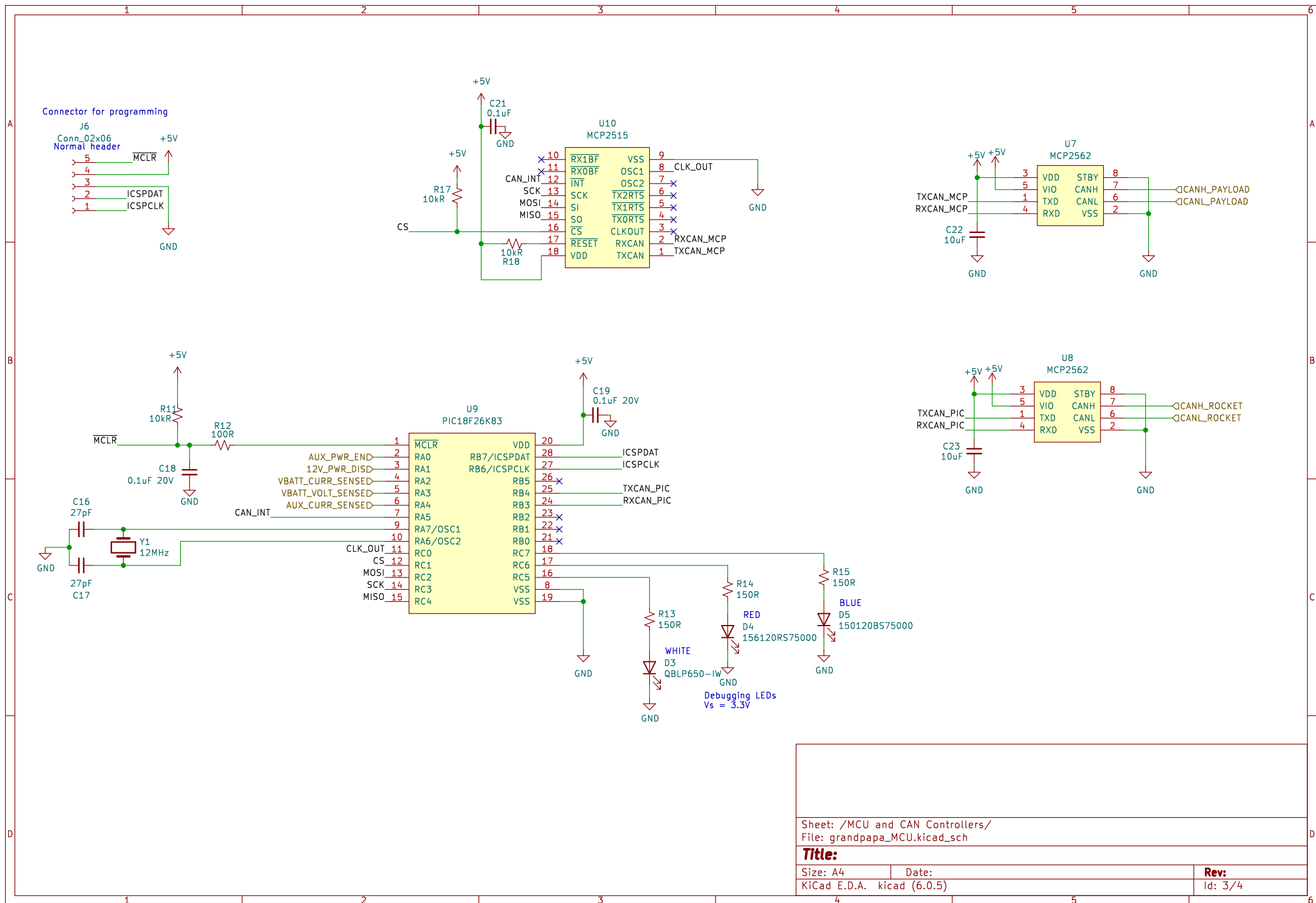
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Date:

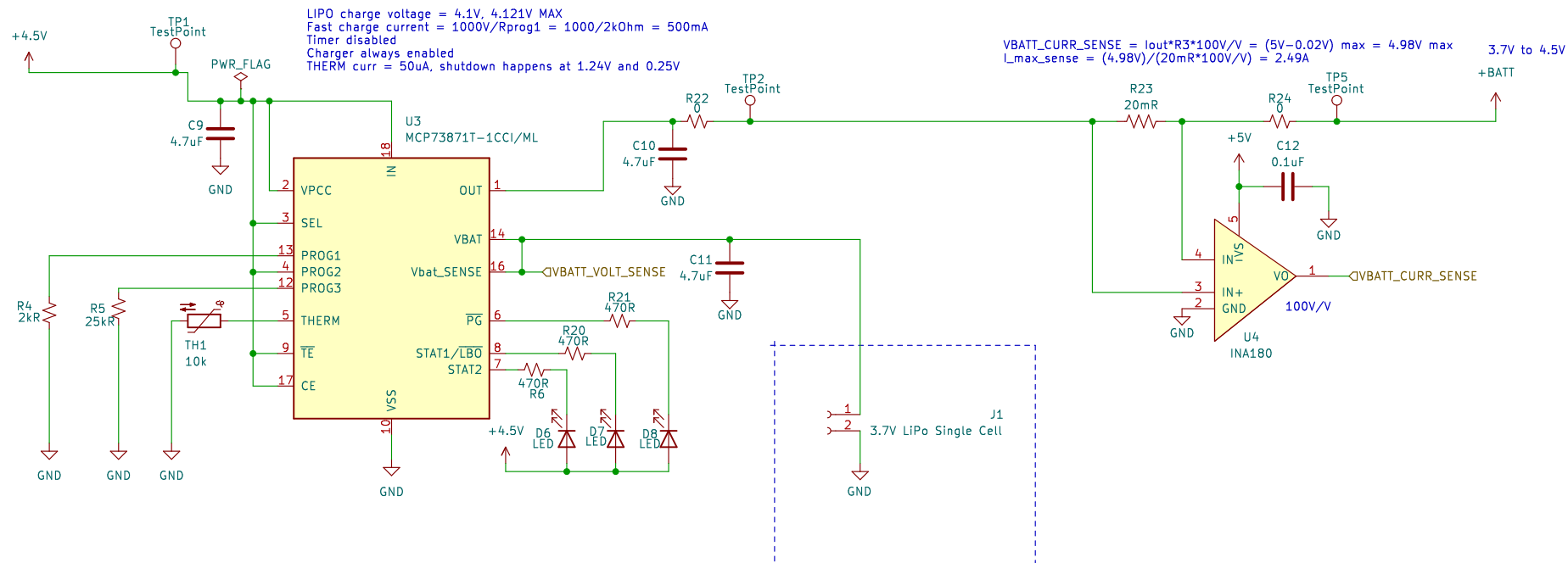
KiCad E.D.A. kicad (6.0.5)

Rev:

Id: 2/4



BATTERY CHARGE IC



Sheet: /Battery Charging/
 File: grandpapa_Charge.kicad_sch

Title:

Size: A4

Date:

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Rev:

Id: 4/4