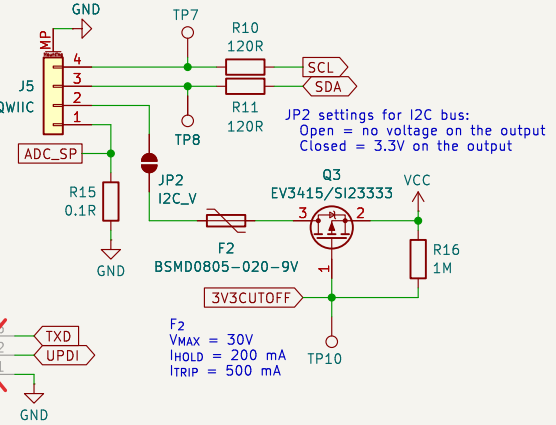
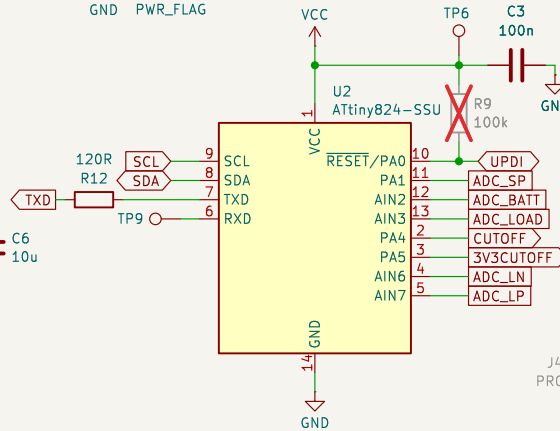
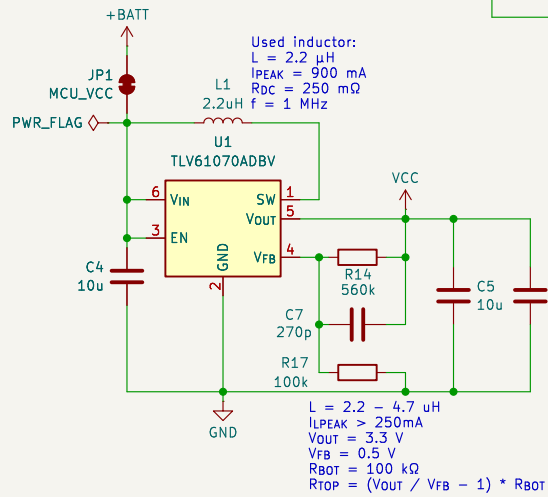


EV3415
 $R_{DS(on)} < 46 \text{ m}\Omega$ for $V_{GS} = -1.8 \text{ V}$, $I_D = -6 \text{ A}$
 $V_{GS(th)} < -1 \text{ V}$ for $V_{DS} = V_{GS}$, $I_D = -250 \mu\text{A}$
 $V_{DS} = -1 \text{ V}$ (body diode forward voltage)

SI2333
 $R_{DS(on)} < 45 \text{ m}\Omega$ for $V_{GS} = -1.8 \text{ V}$, $I_D = -5 \text{ A}$
 $V_{GS(th)} < -1 \text{ V}$ for $V_{DS} = V_{GS}$, $I_D = -250 \mu\text{A}$
 $V_{DS} = -1.2 \text{ V}$ (body diode forward voltage)

F1
 $V_{MAX} = 6 \text{ V}$
 $I_{HOLD} = 1.0 \text{ A}$
 $I_{TRIP} = 2.0 \text{ A}$

Overvoltage cutoff $\geq 2.8 \text{ V}$
Overvoltage release $\leq 2.7 \text{ V}$
Undervoltage release $\geq 1.8 \text{ V}$
Undervoltage cutoff $\leq 1.7 \text{ V}$
Continuous current $\leq 1 \text{ A}$
Max current (10s) 2 A



Vlastimil Slinták
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Sheet: /
File: lto-bms-revC.kicad_sch

Title: LTO Battery Management System

Size: A4 Date: 2025-11-20

KiCad E.D.A. 9.0.7

Rev: C

Id: 1/1