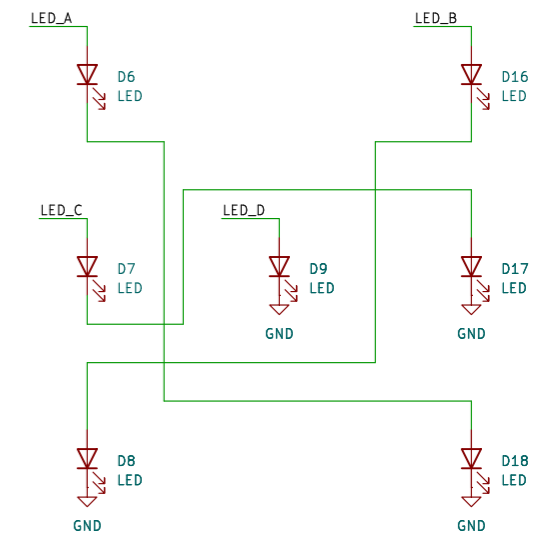


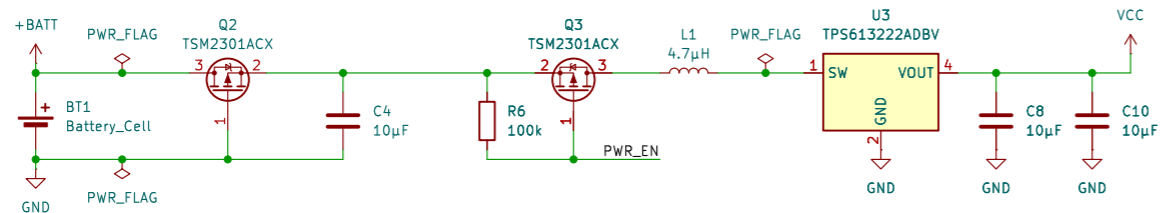
A | IB
 -+ -+
 C | D | C
 -+ -+
 B | IA

A = 4 | 5 | 6
 B = 2 | 3 | A = !1
 C = 6
 D = 1 | 3 | 5

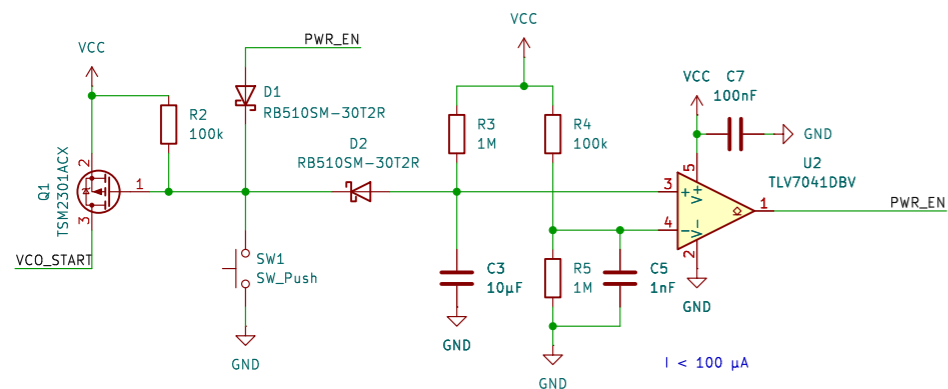


LEDs: 150060V555040
 Zielstrom: 2 mA (entspricht 6-7 mcd)
 Vorwärtsspannung: 1.8 V
 => Vorwiderstand für LED_A/B/C: $(5-3.6V)/2mA = 700 \Omega \approx 680 \Omega$
 => Vorwiderstand für LED_D: $(5-1.8V)/2mA = 1.6 k\Omega \approx 1.5 k\Omega$

Alternativ DMG2301LK-7 oder TSM650P02CX



Automatische Abschaltung mit Selbsthaltung:
 Nach ca. 25s schaltet der Komparator den MOSFET ab.



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Source location: https://git.kolb.de/ZAM/ZAMloeten_SMD_Challenge_v1

Thomas Kolb „cfr34k“

Sheet: /
 File: ZAMloeten_SMD_Challenge_v1.kicad_sch

Title: ZAMlötten SMD-Challenge v1

Size: A3 Date: 2024-09-28
 KiCad E.D.A. 8.0.4

Rev: 1.0
 Id: 1/1