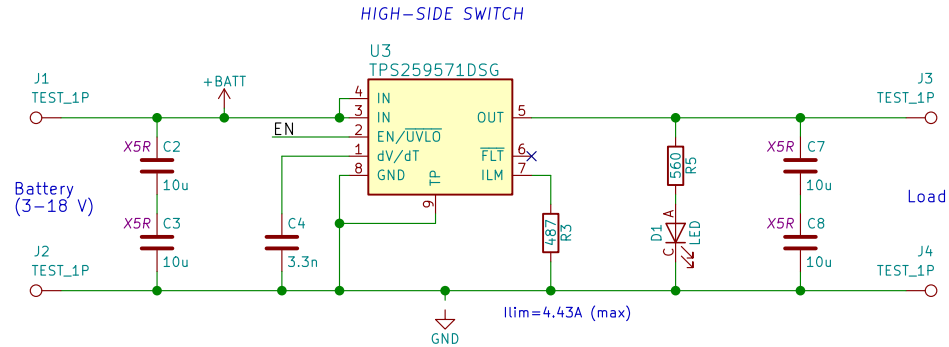


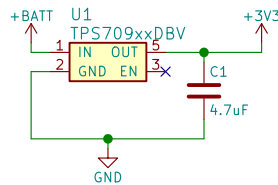
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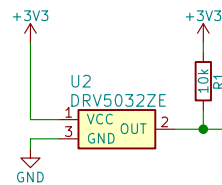
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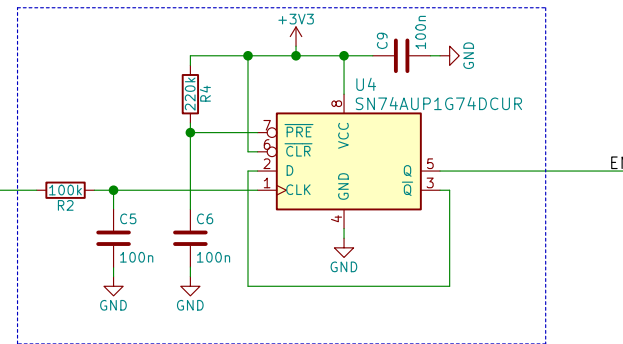
LOW-Iq LINEAR REGULATOR



LOW-Iq HALL SENSOR



SWITCH MEMORY



Possible upgrade -> Low power MCU such as 10Fxxx from Microchip or MSP430 value line from TI .



Notes:

- the series combination of input/output capacitors prevent a catastrophic failure when a single MLCC capacitor cracks
- all capacitors are X7R rated unless otherwise noted
- LED current is approximately 1mA @ 3V and 30mA @ 18 V with 150060GS75000 (Würth). Adjust the resistor when needed.
- R4 and C6 holds PRE signal low during startup. Time constant needs to be significantly higher than turn-on time of TPS709xx and DRV5032. This makes sure the D flip-flop latches logic-low at preset pin.



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Sheet: /  
File: magsw-10a-final.sch

**Title: Magnetic Switch for R/C Models - MagSW v10a**

Size: A4 Date: 2018-10-25

Rev: v1.0a

KiCad E.D.A. kicad (5.0.1)-3

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