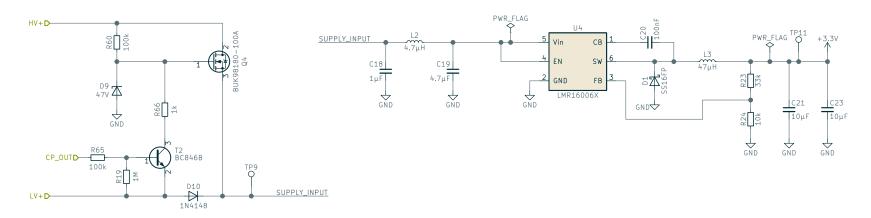


Supply rail selection

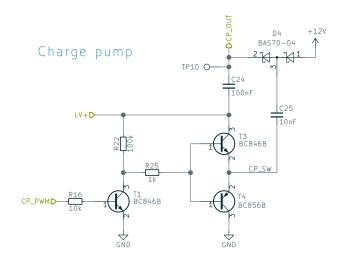
HV/LV side to 3.3V (SMPS)



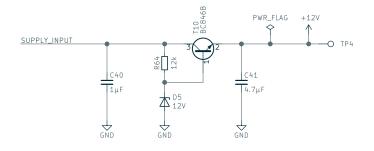
Some applications (e.g. Li-ion batteries) require an internal power supply from the high voltage side (e.g. solar panel input).

The source follower with Q4 limits the supply input below 60V.

 $\ensuremath{\mathsf{T2}}$ selects LV+ as supply to increase efficiency as soon as the charge pump is on.

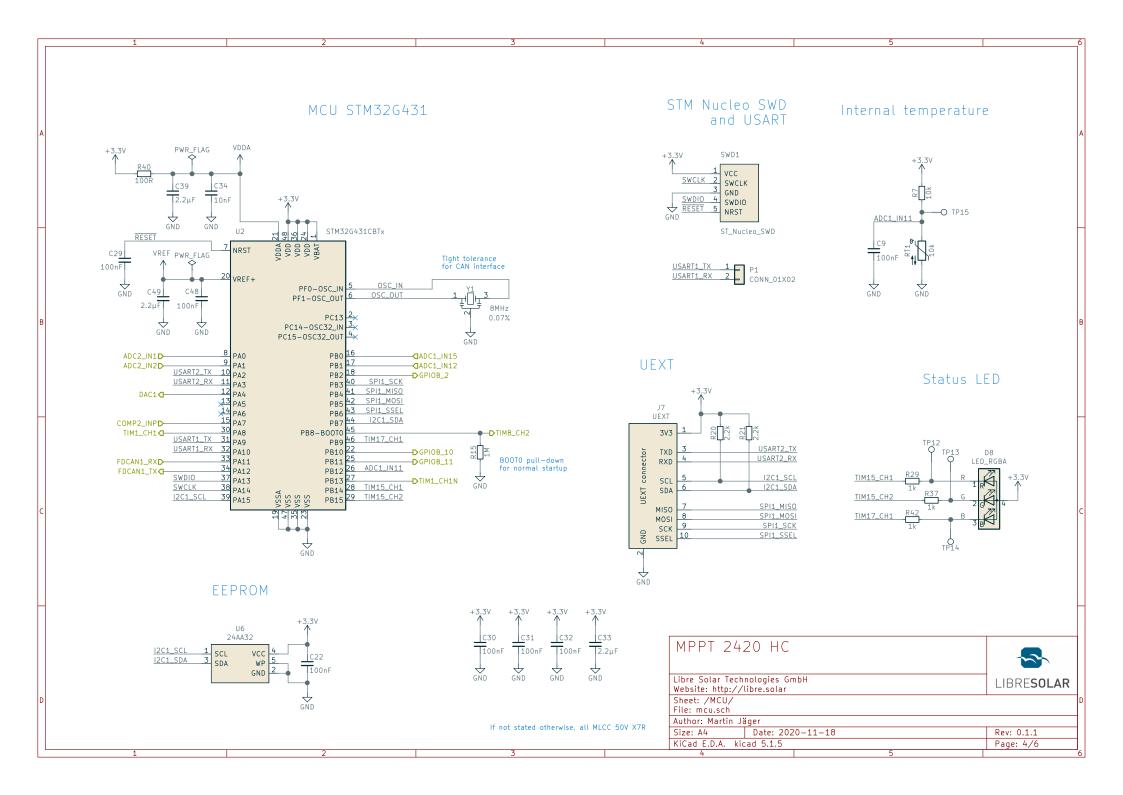


12V MOSFET driver supply voltage (emitter follower)

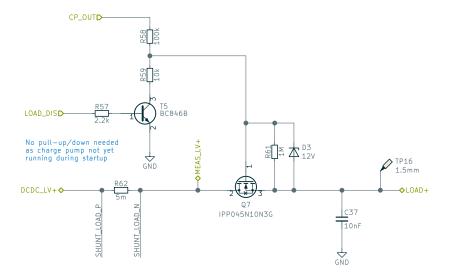


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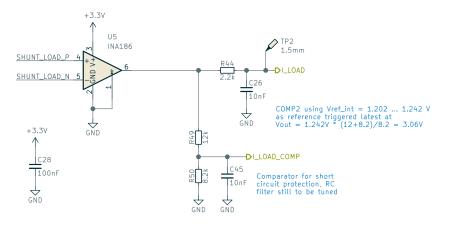
If not stated otherwise, all MLCC 50V X7R



High-side load switch



Load current monitoring



If not stated otherwise, all MLCC 50V X7R

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