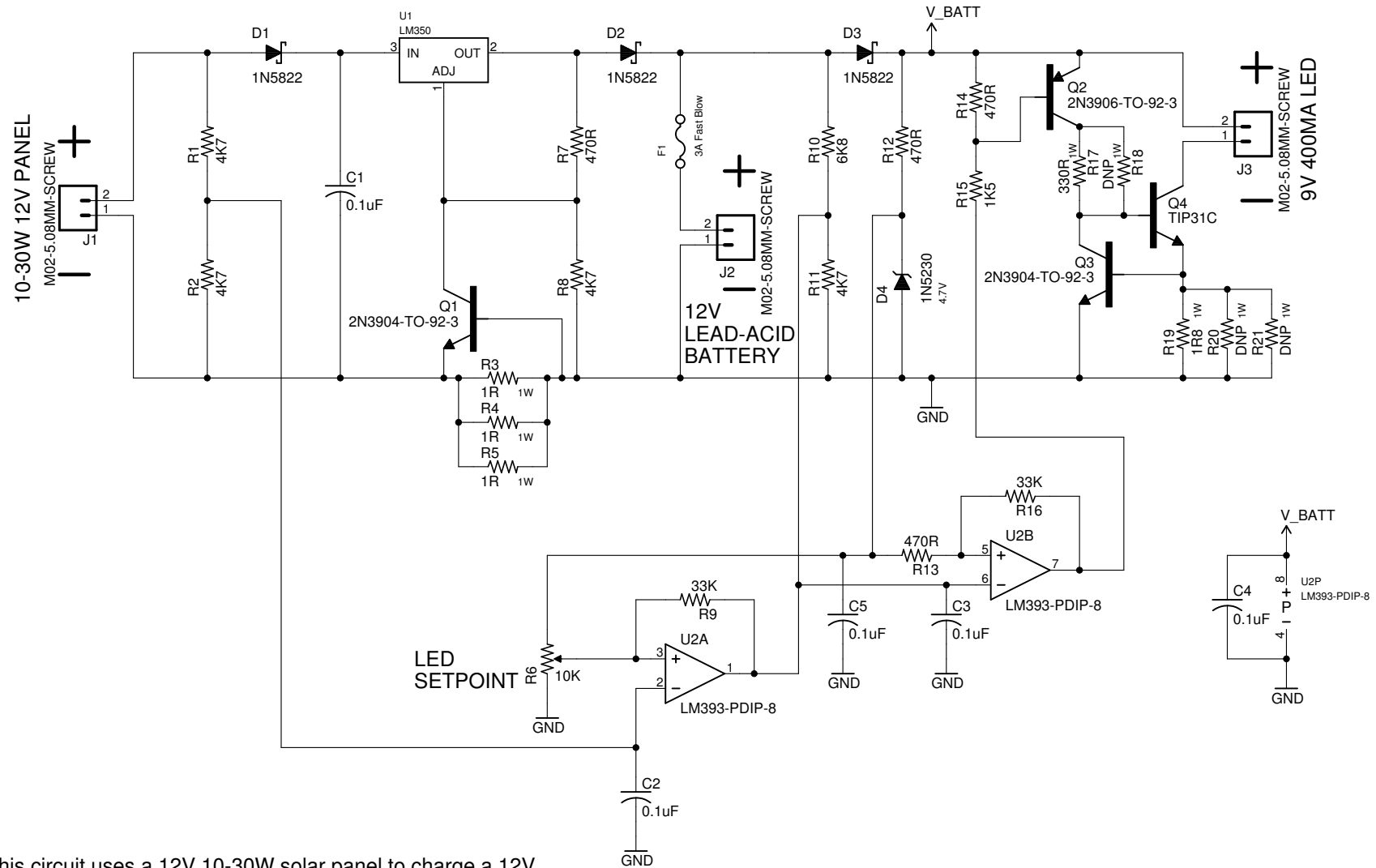
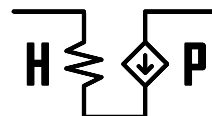


A Liter of Light Solar Streetlamp



This circuit uses a 12V 10-30W solar panel to charge a 12V lead-acid battery. It also drives a 9V 400mA LED with a constant current of 400mA. It uses the solar panel to detect when it is dark and the LED should turn on. The potentiometer (R6) can be used to adjust the light threshold at which the LED turns on. Please see the accompanying design document and Bill Of Materials (BOM) for more information. NOTE: a heatsink with less than 6.5 C/W thermal resistance is required for U1 and Q4.



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