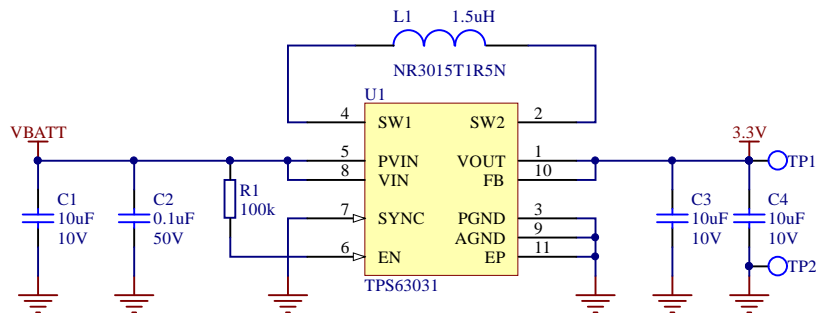
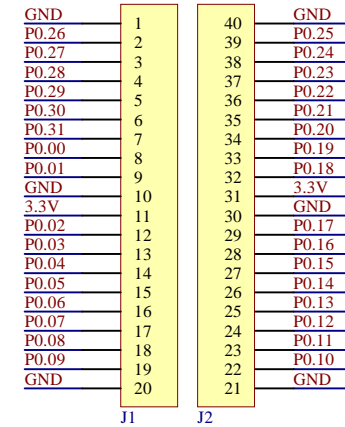
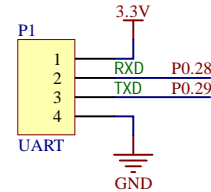


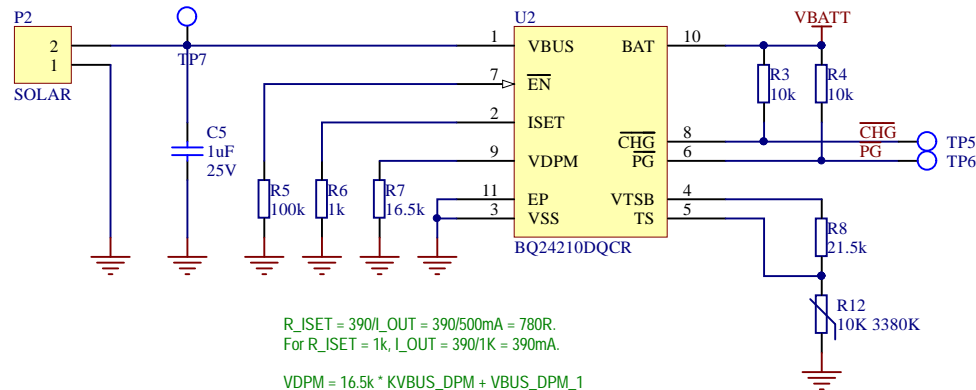
3.3V DC-DC convertor



ADP2503: 600mA
ADP2504: 1000mA
TPS63031: 600mA

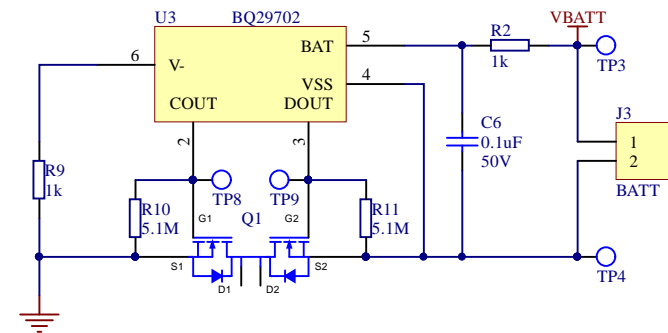


Battery/solar charger



$R_{ISET} = 390/I_{OUT} = 390/500mA = 780R$.
For $R_{ISET} = 1k$, $I_{OUT} = 390/1K = 390mA$.
 $VDPM = 16.5k * KVBUS_DPM + VBUS_DPM_1$
 $VDPM = 16.5k * 0.15 + 3.5V = 5.98V$ (PV Solar MPP)

Battery protection



Lemon IoT

Title *Lemon IoT - Battery*

Revision: 1.0

Sheet 1 of 1

Date: 8/12/2022

Time: 5:04:13 PM

File: Battery.SchDoc

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