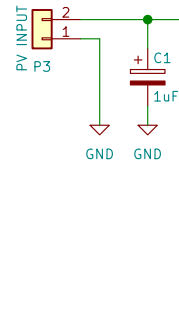
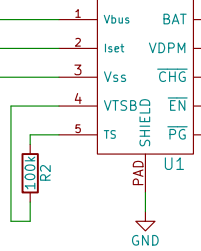


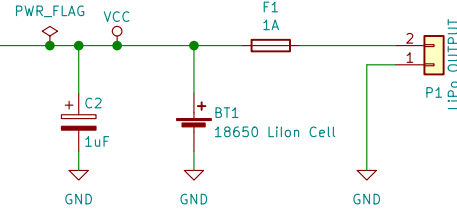
Solar PV Input



BQ24210



Lilon Cell 18650

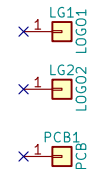


Ts pulled high for solar charging applications
Limited current mode to ensure battery temperature OK
Pull high with 100k

VDPM
Kept open for load tracking, such as solar PV
VDPM to ground using
 $R_{VDPM} = \frac{(V_{BUS_DPM} - V_{BUS_DPM_1})}{K \cdot V_{BUS_DPM}}$
 $= \frac{(4.6 \text{ V} - 3.5 \text{ V})}{(0.15 \text{ V/k}\Omega)} = 7.333 \text{ k}\Omega \rightarrow 7.32 \text{ k}\Omega$
closest 1% resistor

Iset
2W of solar PV gives 400mA maximum
 $R_{iset} = \frac{K \cdot I_{set}}{I_{out}} = \frac{395 \text{ Aohm} \cdot 400 \text{ mA}}{400 \text{ mA}} = 395 \text{ Aohm}$. Riset = 987.5.
Close to 1k

EN tied to PG as load mode never used



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