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5.1.2 CURRENT REGULATION SET (PROG)

Fast charge current regulation can be scaled by placing a programming resistor ( $R_{PROG}$ ) from the PROG input to V<sub>BAT</sub>. The program resistor and the charge current are calculated using the following equation:

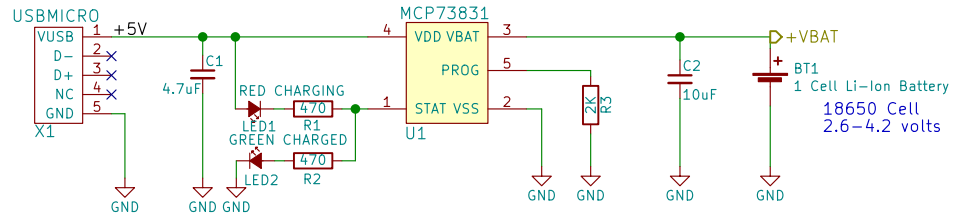
$$I_{REG} = \frac{1000I}{R_{PROG}}$$

Where:  
 $R_{PROG}$  = kOhms  
 $I_{REG}$  = milliamperes

The preconditioning trickle charge current and the charge termination current are ratiometric to the fast charge current based on the selected device options.

**R3 value for current regulation:**

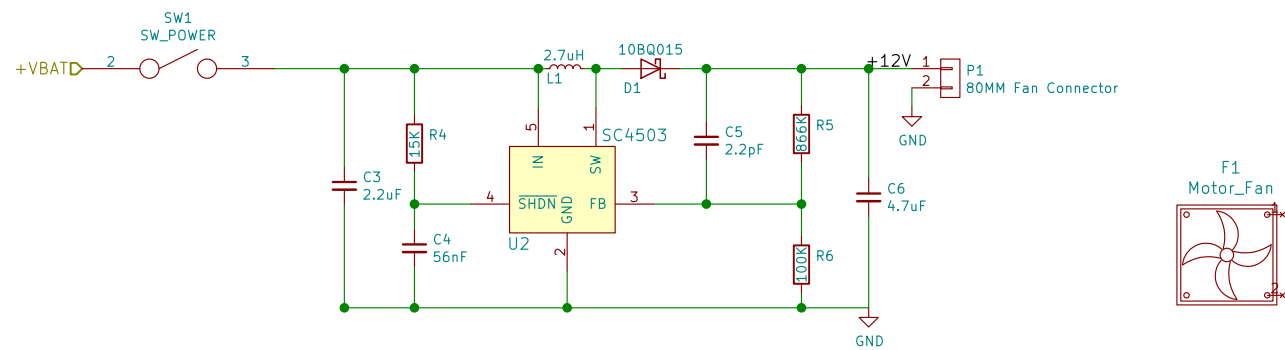
- 10K = 100mA
- 5.0K = 200mA
- 2.0K = 500mA
- 1.0K = 1000mA



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