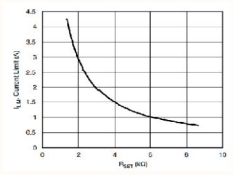


Soft Start

The soft start time can be calculated by the following formula:

$$\frac{\Delta V_{OUT}}{\Delta t} = \frac{I_{SS}}{C_{SS}} \times \frac{R_{OUT} \times 5000}{R_{SET}}$$

Where:

Δt is the soft start time

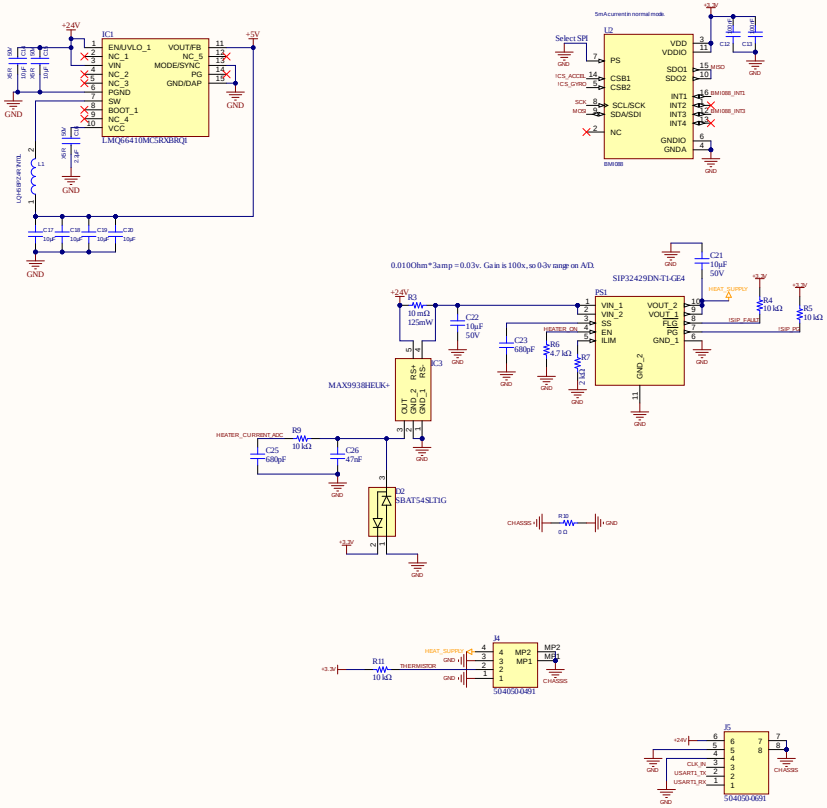
ΔV_{OUT} is the output voltage range

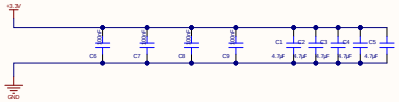
I_{SS} is the built-in current source charging the soft start capacitor C_{SS}. I_{SS} value is 5 µA typical.

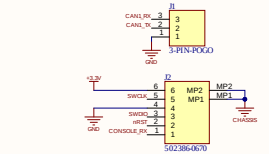
C_{SS} is the soft start time setting capacitor.

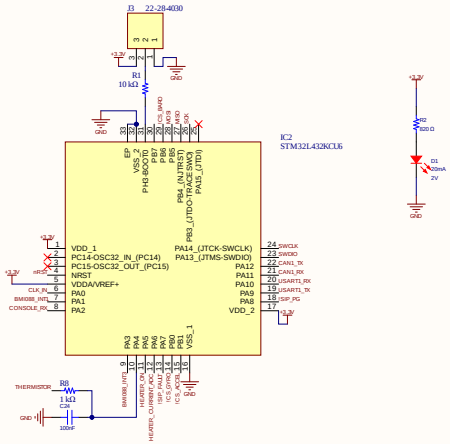
R_{SET} is the current limit setting resistor.

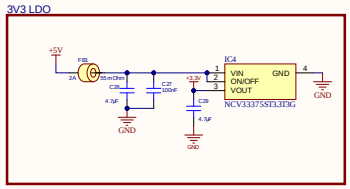
R_{OUT} is the output load.











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