



Notes on LM2596 from ONSEI:
 -- LM2596 Datasheet Link: <https://www.onsemi.com/download/data-sheet/pdf/lm2596-d.pdf>
 -- V_IN max. 45 V
 -- Feedback pin allows for the programming of the voltage
 -- ON/OFF allows to turn off the device. Above 1.6V, the device turns off.
 -- $R2 = R1(V_{OUT}/V_{REF}-1.0)$, $R1=1k$, $V_{OUT}=5V$, $V_{REF}=1.23V$
 -- C_IN is 100uF, 50V, low ESR from datasheet
 -- Inductor values determination and recommended model are in the datasheet, L_OUT=3A
 -- Recommended C_OUT value is 220uF/35V/46u0hm-470uF/35V/46u0hm
 -- C_FF (Feedback capacitor) value is 5-15nF

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