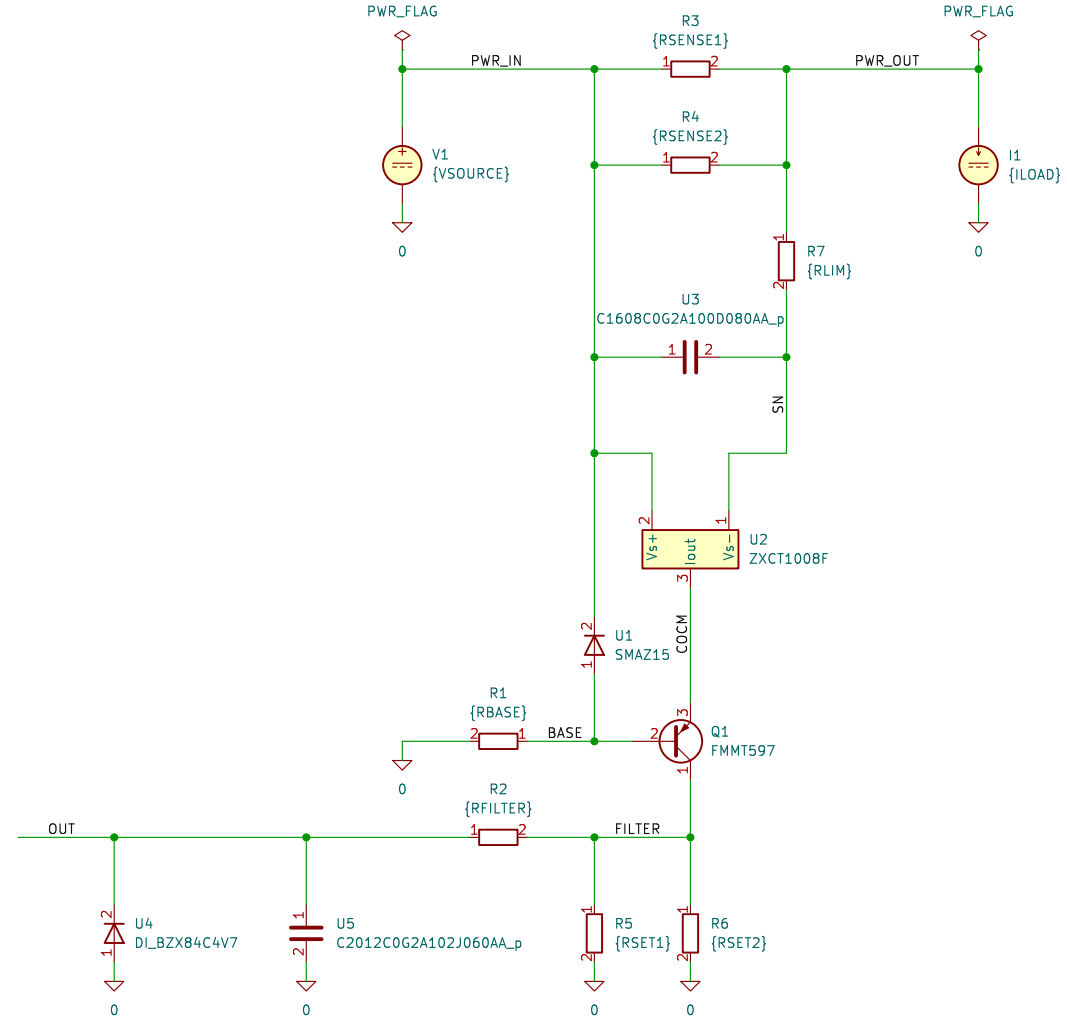

V_{IN}=8–20V
V_{SENSE}=0–500mV
V_{OUT}=0–2.5V

$V_{SENSE}=R_{SENSE}*I_{LOAD}$
V_{SENSE}=0.02R*5A
V_{SENSE}=100mV

$I_{OUT}=V_{SENSE}*G_T$
I_{OUT}=100mV*0.01
I_{OUT}=1mA

$R_{SET}=V_{OUT}/I_{OUT}$
R_{SET}=2.5V/1mA=2.5k
R_{SET}=2||4.99k(1%)

$R_{BASE}=((V_{IN\_MAX}-V_Z)*h_{FE\_min})/I_{OUT}$
R_{BASE}=((30V–15V)*100)/1mA
R_{BASE}=1.5Meg(1%)

PWR_FLAG
0

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Title: Current output current monitor. Over–range voltage.

Size: A4	Date: 2024–10–15	Rev: 2
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