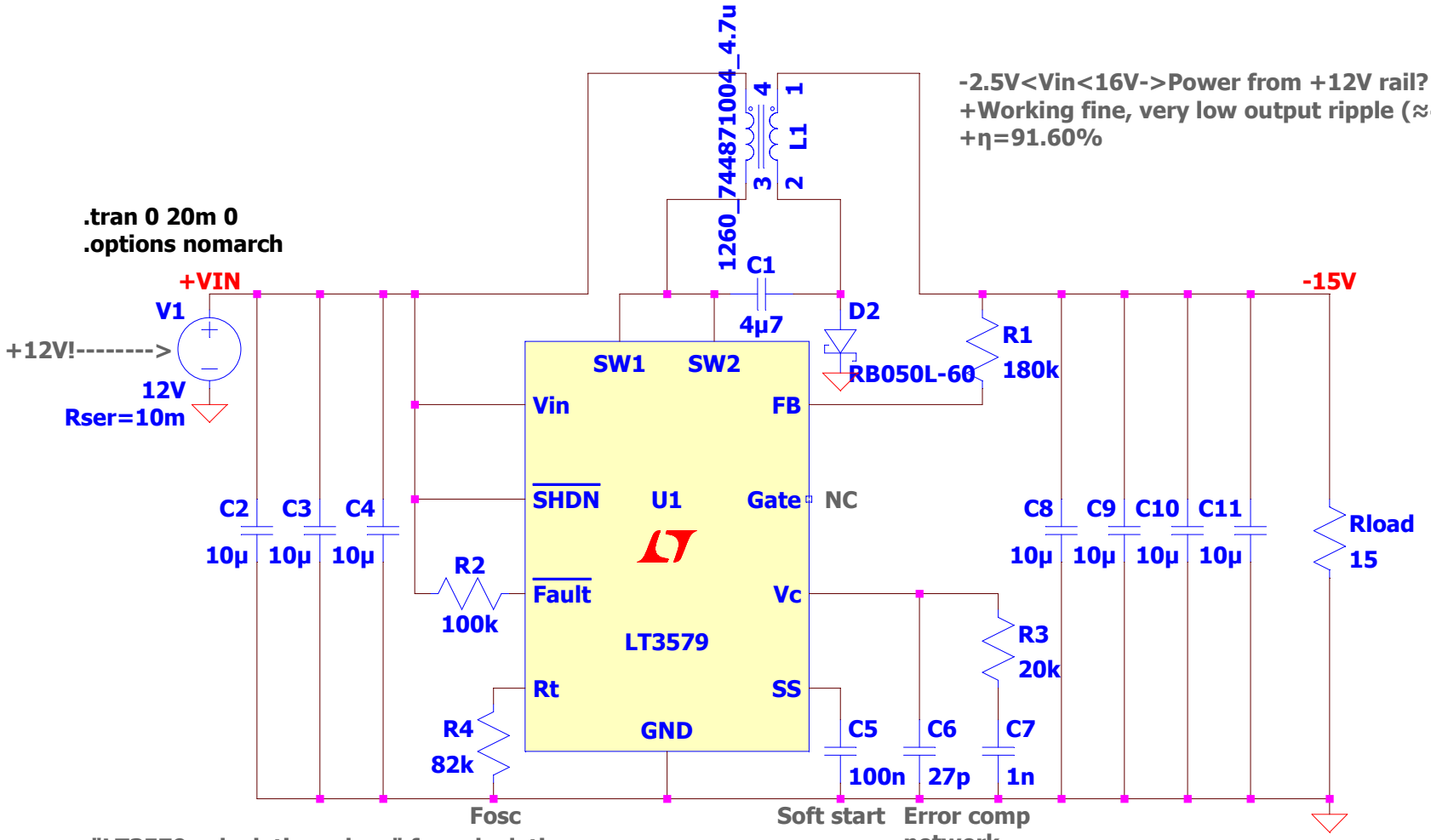

"LT3579 calculations.docx" for calculations

PD@Iout=1A:
LT3579=739.8mW
Coupled inductor=100.38mW
Schottky=524.41mW
C1=36.983mW
C2+C3+C4=3.0892mW
C8+C9+C10+C11=1.5299mW

PDtot≈1.447W

η=100/Pin*Pout
η=100/16.72W*15.315W=91.60%

LT3579
https://nl.farnell.com/analog-devices/lt3579efe-1-pbf/dc-dc-conv-boost-inv-2-5mhz-125deg/dp/4024833?st=lt3579

Coupled inductor:
https://nl.mouser.com/ProductDetail/Wurth-Elektronik/744871004?qs=%252B97ACBfLqz%2FzfEzTNgisjA%3D%3D

Schottky diode:
xxx (same as on buck converters?)

C1 4u7 50V X7R:
https://nl.farnell.com/murata/grm31cr71h475ka12l/cap-4-7-f-50v-10-x7r-1206/dp/1735545

MLCC 10u 35V X7R 1206:
https://nl.farnell.com/taiyo-yuden/gmk316ab7106kl-tr/cap-10-f-35v-10-x7r-1206/dp/2309034

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