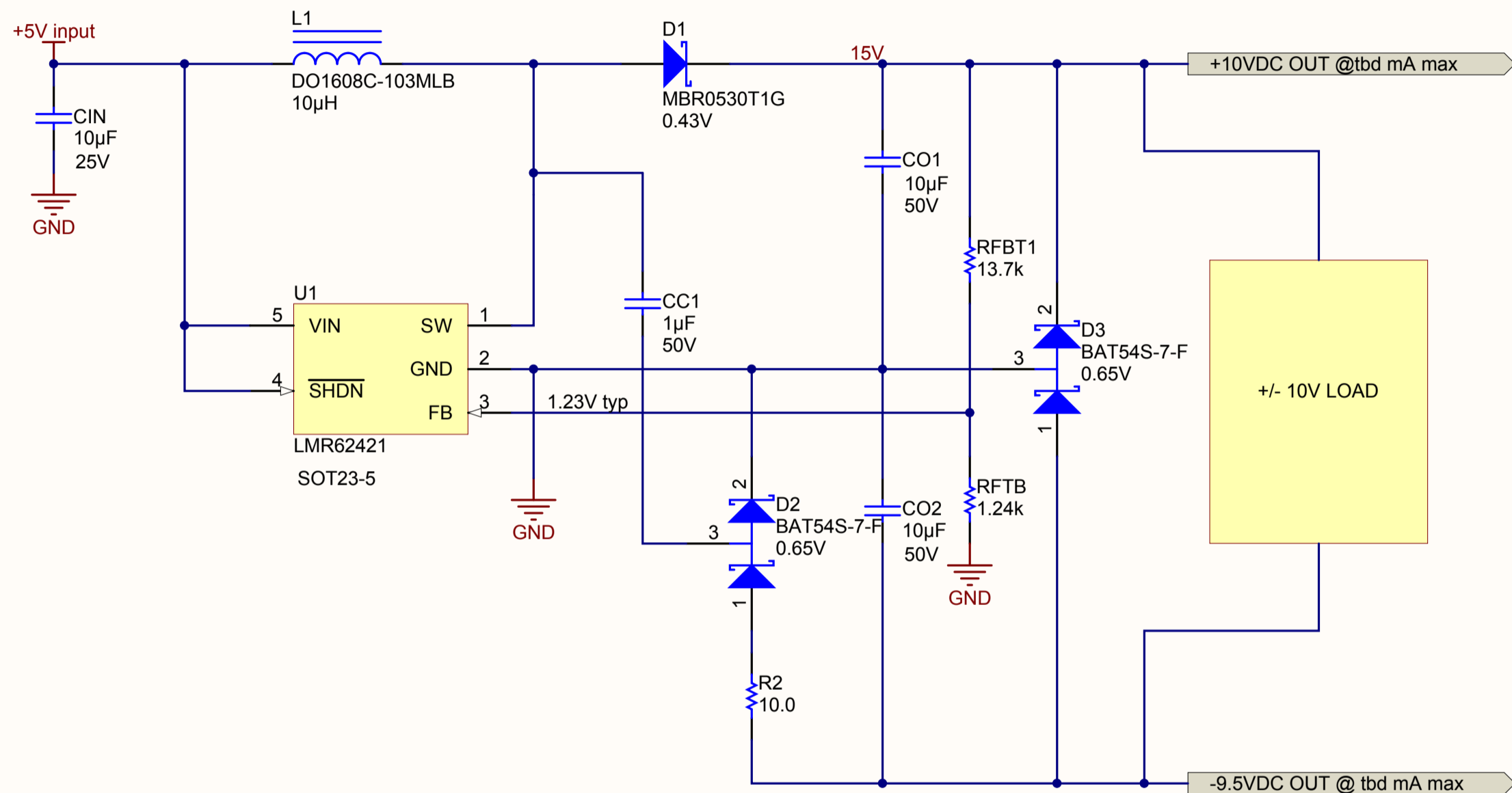


CONVENTIONAL BOOST WITH NEGATIVE OUTPUT CHARGE PUMP

Proposed design - untested

Note: The positive output does not have "true shutdown". If you disable the switcher by dropping the Enable input, the +10V output will drop down to VIN minus a diode drop; approximately 4.5V.



Only the positive output is truly regulated. The negative output will be lower by a diode drop. If this is an issue to the customer we can propose other designs that either regulate both outputs or have better balance or tracking.

Note: The negative output has "true shutdown". If you disable the switcher by dropping the Enable input, the -15V output will drop down to zero.

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Designed for: [Public Release](#) Mod. Date: 1/10/2012
 Project: [Change me in menu Project|Project Options|Parameter](#)
 Sheet Title: [ChangeMe](#) Sheet: 1 of 1
 Size: Letter Schematic: 870xxxxxx Rev: X1
 Assembly Variant: [Variant name not interpreted](#)
 File: [LM2733+-_Ref_Design_ANSI-B_Sh2.SchDoc](#)
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