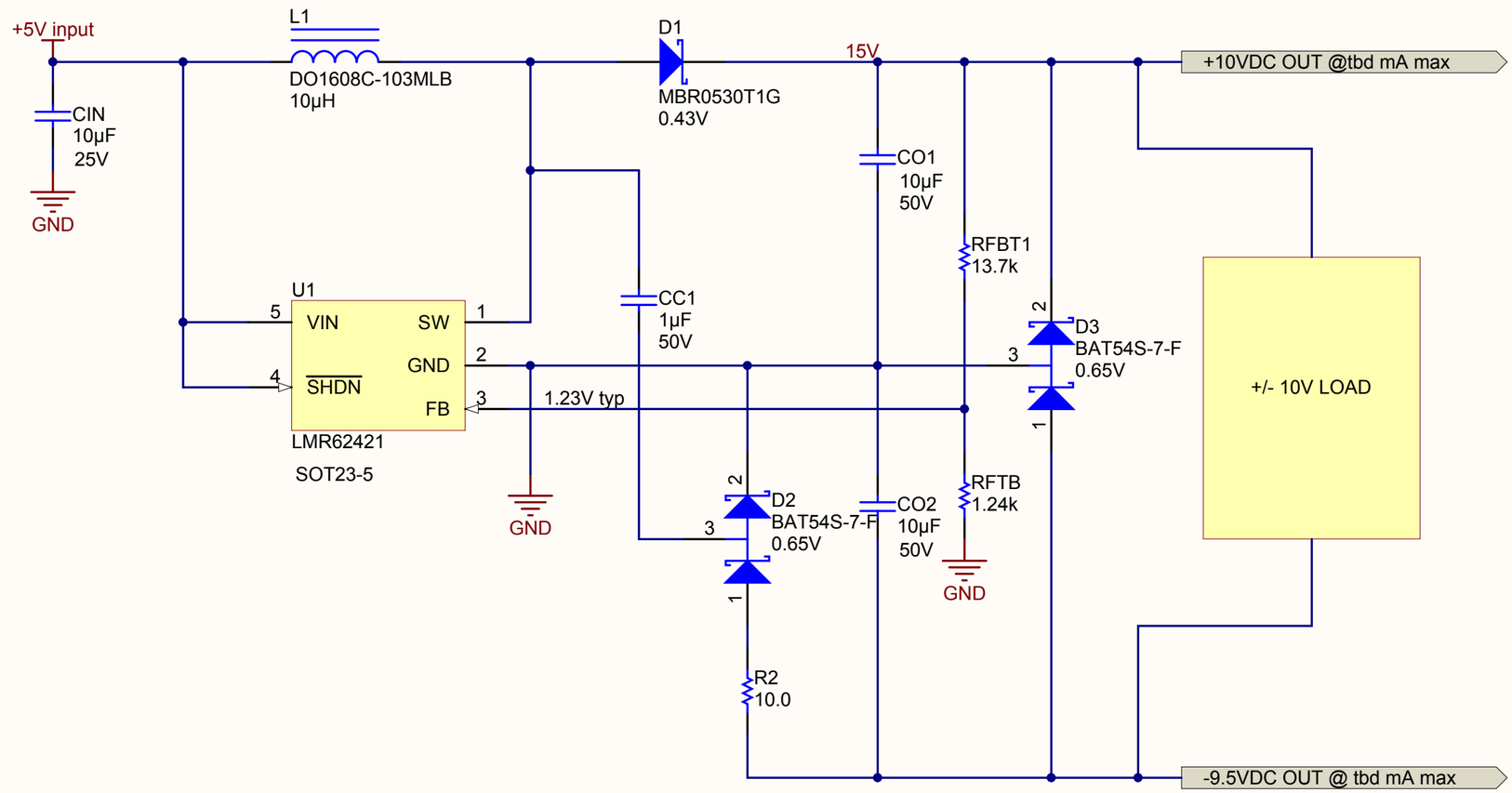
CONVENTIONAL BOOST WITH NEGATIVE OUTPUT CHARGE PUMP

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 truely 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.

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		
Contact: http://www.national.com/support		

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