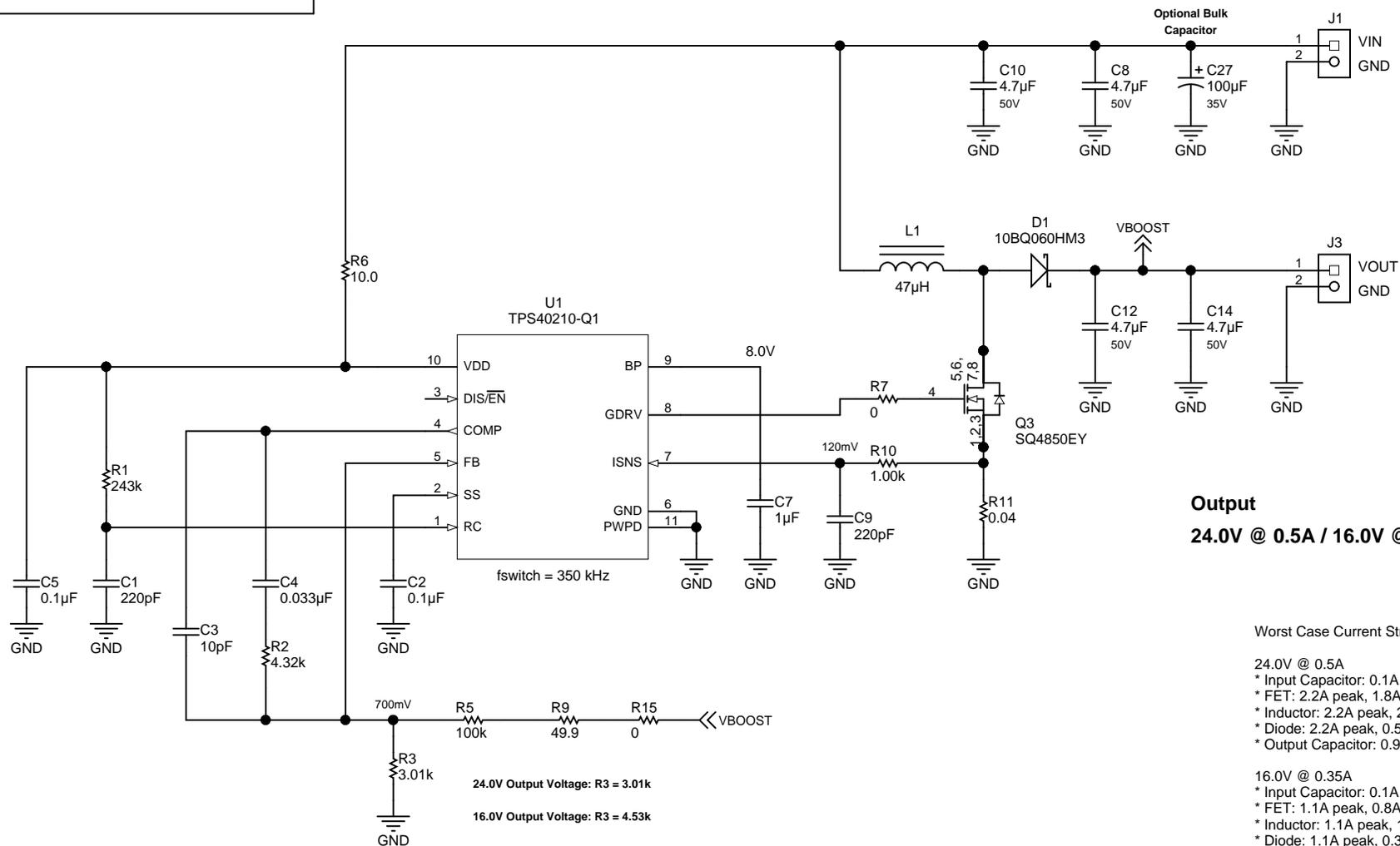


Revision History

Revision	Notes
A	* Paper Design
B	* Built & Tested

Input

6.0 .. 16.0V / 42.0V peak



Output

24.0V @ 0.5A / 16.0V @ 0.35A

Worst Case Current Stress @ 6.0V Input Voltage

24.0V @ 0.5A
 * Input Capacitor: 0.1A rms
 * FET: 2.2A peak, 1.8A rms
 * Inductor: 2.2A peak, 2.1A rms
 * Diode: 2.2A peak, 0.5A avg
 * Output Capacitor: 0.9A rms

16.0V @ 0.35A
 * Input Capacitor: 0.1A rms
 * FET: 1.1A peak, 0.8A rms
 * Inductor: 1.1A peak, 1.0A rms
 * Diode: 1.1A peak, 0.35A avg
 * Output Capacitor: 0.5A rms

Design Notes

- * RefDes fit PCB PMP2773 Rev.B
- * R9 for test purpose only

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Orderable: EVM_orderable	Designed for: Public Release	Mod. Date: 6/1/2017
TID #: TID	Project Title: Automotive Booster	
Number: PMP30271	Rev: B	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: [No Variations]	Sheet: 1 of 1
Drawn By:	File: PMP30271RevB.SchDoc	Size: A4
Engineer: Matthias Ulmann	Contact: http://www.ti.com/support	



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