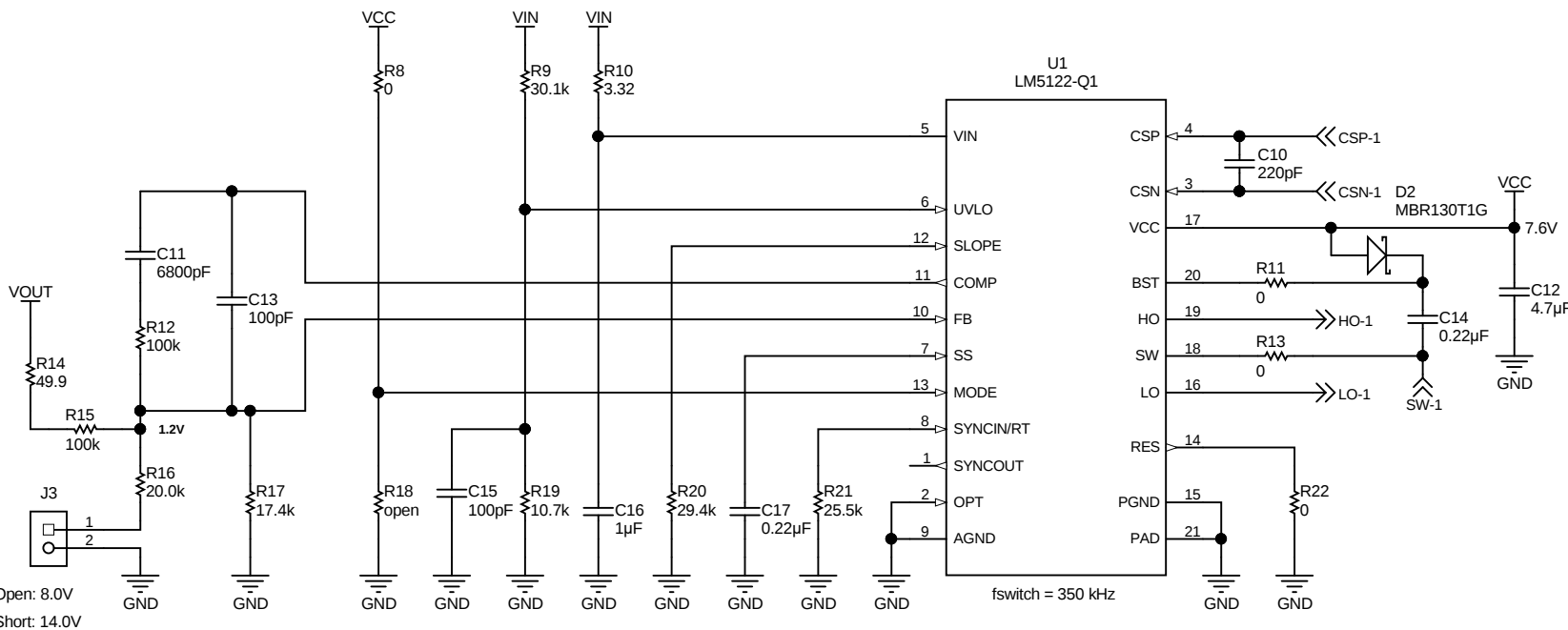
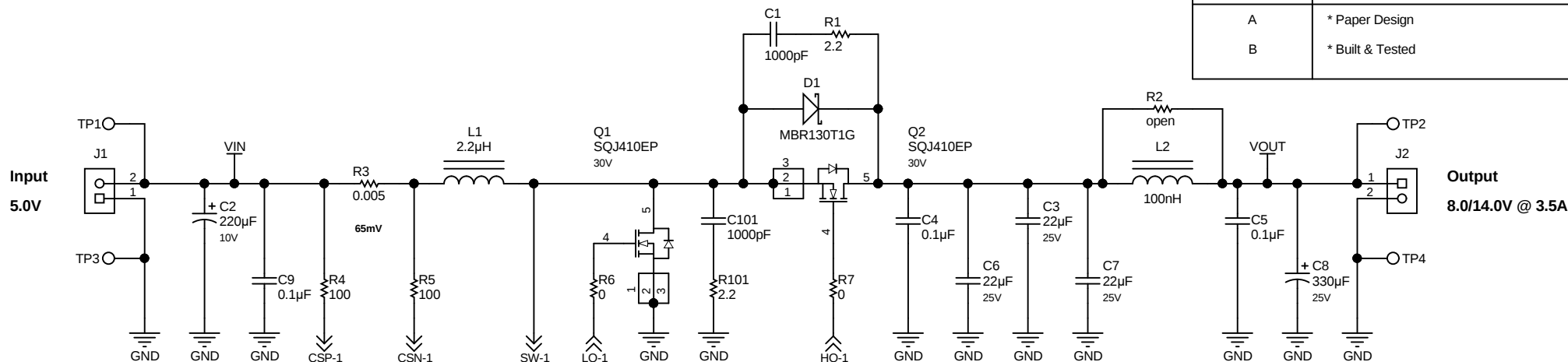


Revision History	
Revision	Notes
A	* Paper Design
B	* Built & Tested



Current Stress @ 8.0V Output Voltage
 Input Capacitor 0.7A rms
 Inductor 6.8A peak, 5.7A rms
 Low Side FET 6.8A peak, 3.5A rms
 Rectifier FET 6.8A peak, 4.5A rms
 Output Capacitor 2.8A rms

Current Stress @ 14.0V Output Voltage
 Input Capacitor 1.2A rms
 Inductor 11.9A peak, 9.9A rms
 Low Side FET 11.9A peak, 7.9A rms
 Rectifier FET 11.9A peak, 5.9A rms
 Output Capacitor 4.8A rms

UVLO
 Start @ 4.6V
 Stop @ 4.3V

MODE
 >1.2V: Forced PWM
 GND: Diode Emulation w/ Pulse Skipping

Right Half Plane Zero
 RHPZ @ 8.0V Output Voltage: 64 kHz
 RHPZ @ 14.0V Output Voltage: 37 kHz

Open: 8.0V
 Short: 14.0V

Orderable: N/A	Designed for: Public Release	Mod. Date: 11/8/2017
TID #: N/A	Project Title: Automotive Booster	
Number: PMP30359	Rev: B	Sheet Title: Automotive Booster
SVN Rev: Not in version control	Assembly Variant: [No Variations]	Sheet: 1 of 1
Drawn By: M. Ulmann	File: PMP30359RevB.SchDoc	Size: A4
Engineer: Matthias Ulmann	Contact: http://www.ti.com/support	

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