



Revision History	
Revision	Notes
A	*** PRELIMINARY ***
B	adjusted R1=Ron (differs to TINA sim and equations)

**NOTES:**

- 1) R3 needed for DCM
- 2) R2=OPEN to use Diode Emulation DEM
- 3) calcs done for 5Vin / 20mAout
- 4) for CCM L1=LPS6235-224MRC

**ASSEMBLY:**

- 1) automotive application, use LM5161-Q1
- 2) ref des >100 for bigger power level

tiny inv BuckBoost to supply negative rails -60V / -50V / -45V

Designed for: Public Release	Mod. Date: 2/7/2019
Project Title: 1W BIAS PSU	
Sheet Title:	
Assembly Variant: [No Variations]	Sheet: 1 of 1
File: PMP30603RevB.SCHDOC	Size: A4
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Number: PMP30603 | Rev: B  
 SVN Rev: Version control disabled  
 Drawn By:  
 Engineer: B.Geck

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