



Transformer T1, pinout r00 matches for mass production  
 windings ratio PRI\_in : PRI1+PRI3V3 : SEC11\_1 : SEC11\_2 = 1 : 1 : 1 : 1 : 1  
 windings ratio PRI3V3 : PRI11 = 1 : 2, PRI11 stacked onto PRI3V3,  
 needs center tap in between PRI3V3 - PRI11  
 primary inductance Lpri = 10uH +/- 10%  
 leakage inductance <200nH, here around 100nH

Input 6Vdc..60Vdc (startup needs Vin >7.5V)

Output 11V @ 50mA max.

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- NOTES:
- 1) R12, R15 for test purposes only
  - 2) using flying cap C8 needs windings ratio PRI : PRI11 = 1 : 1

- ASSEMBLY:
- 1) built on PCB 30523 RevC using Q1 BSZ096N10LS5
  - 2) upper PCB needs WE transformer revision r01;  
 for mass production use WE transformer revision r00

Revision History	
Revision	Notes
A	*** P R E L I M I N A R Y ***
B	RCD snubber, multiple FB, ZENER voltage implemented custom.xtfr from WE
C	
D	tuned loop to dual feedback etc.

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Orderable:	Designed for: Public Release	Mod. Date: 11/20/2018
TID #:	Project Title: Isolated 3W PSR DCM Flyback	
Number: PMP30523	Rev: D	Sheet Title:
SVN Rev: Not in version control	Assembly Variant: [No Variations]	Sheet: 1 of 1
Drawn By:	File: PMP30523RevD_schematic.schdoc	Size: A3
Engineer: B. Geck	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	

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