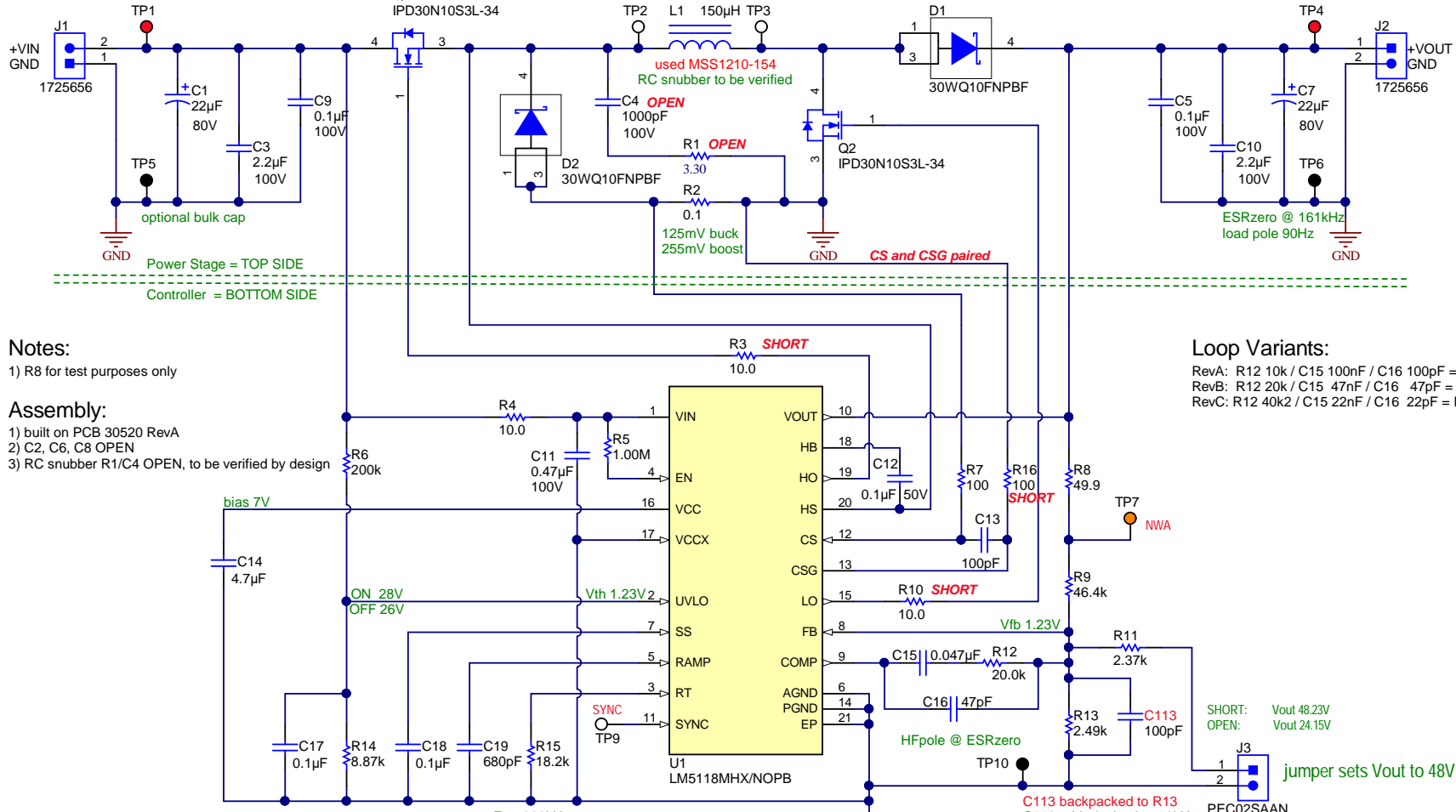


Vin 30V to 60V (surge 65Vpk)

24V @ 300mA / 48V @ 600mA (<1sec)



Notes:

- 1) R8 for test purposes only

Assembly:

- 1) built on PCB 30520 RevA
- 2) C2, C6, C8 OPEN
- 3) RC snubber R1/C4 OPEN, to be verified by design

Loop Variants:

- RevA: R12 10k / C15 100nF / C16 100pF = Fco 600Hz
- RevB: R12 20k / C15 47nF / C16 47pF = Fco 1.2kHz (default)
- RevC: R12 40k2 / C15 22nF / C16 22pF = Fco 2.4kHz

SHORT: Vout 48.23V
 OPEN: Vout 24.15V
 jumper sets Vout to 48V

RHPZ @ 31.89kHz, typically loop bw <3kHz;
 due to no dynamic requirements and reactive load set Fco to 1.2kHz

Revision History	
Revision	Notes
A	*** PRELIMINARY ***
B	implemented three loop variations

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Orderable:	Designed for: Public Release	Mod. Date: 2/24/2020
TID #: N/A	Project Title: 30W 2sw Buck Boost	
Number: PMP30833	Rev: B	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: [No Variations]	Sheet: 1 of 1
Drawn By:	File: PMP30833RevB_SchDoc	Size: A4
Engineer: B. Geck	Contact: http://www.ti.com/support	



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