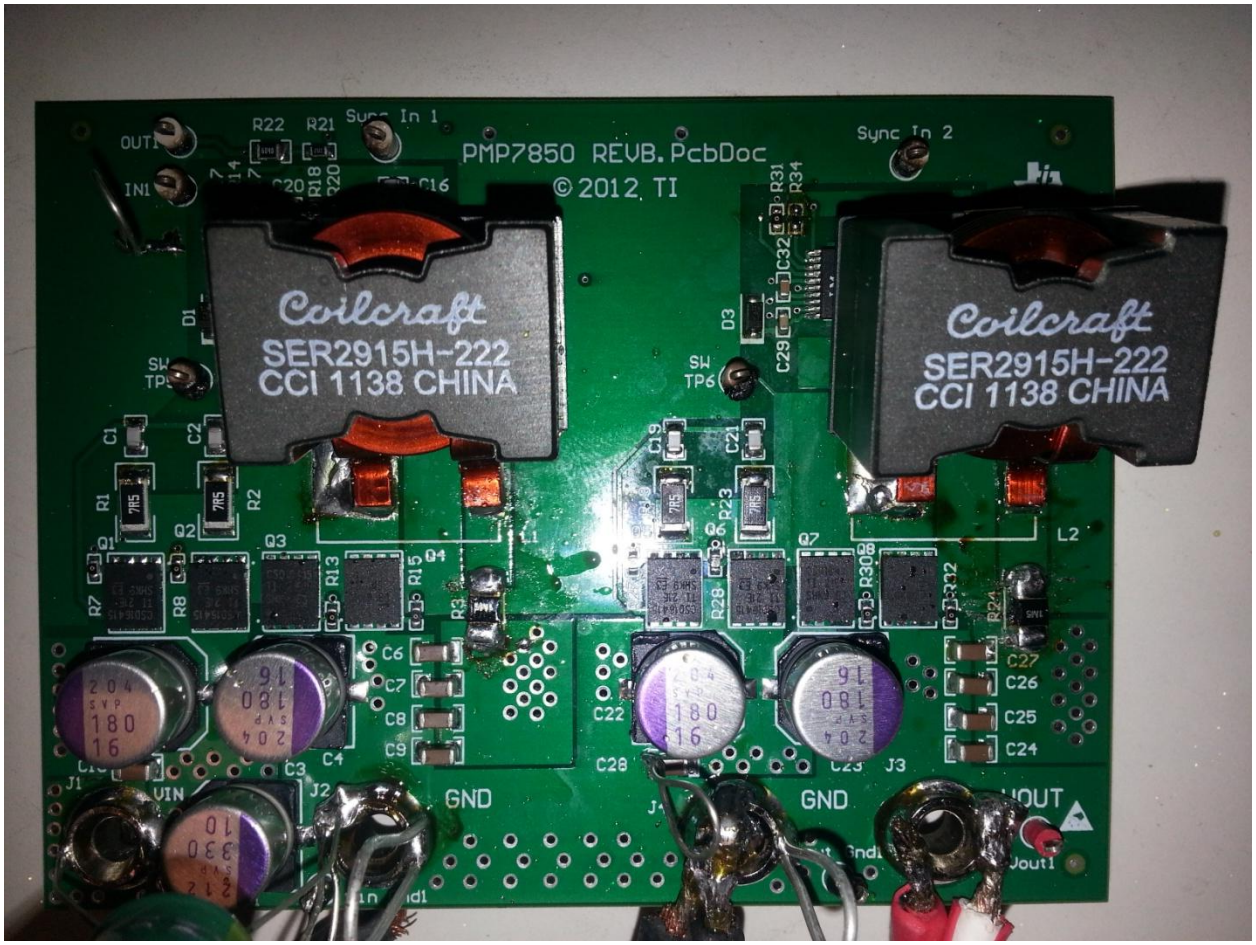
Test Data
For PMP7921
3/1/2013

Test SPECIFICATIONS

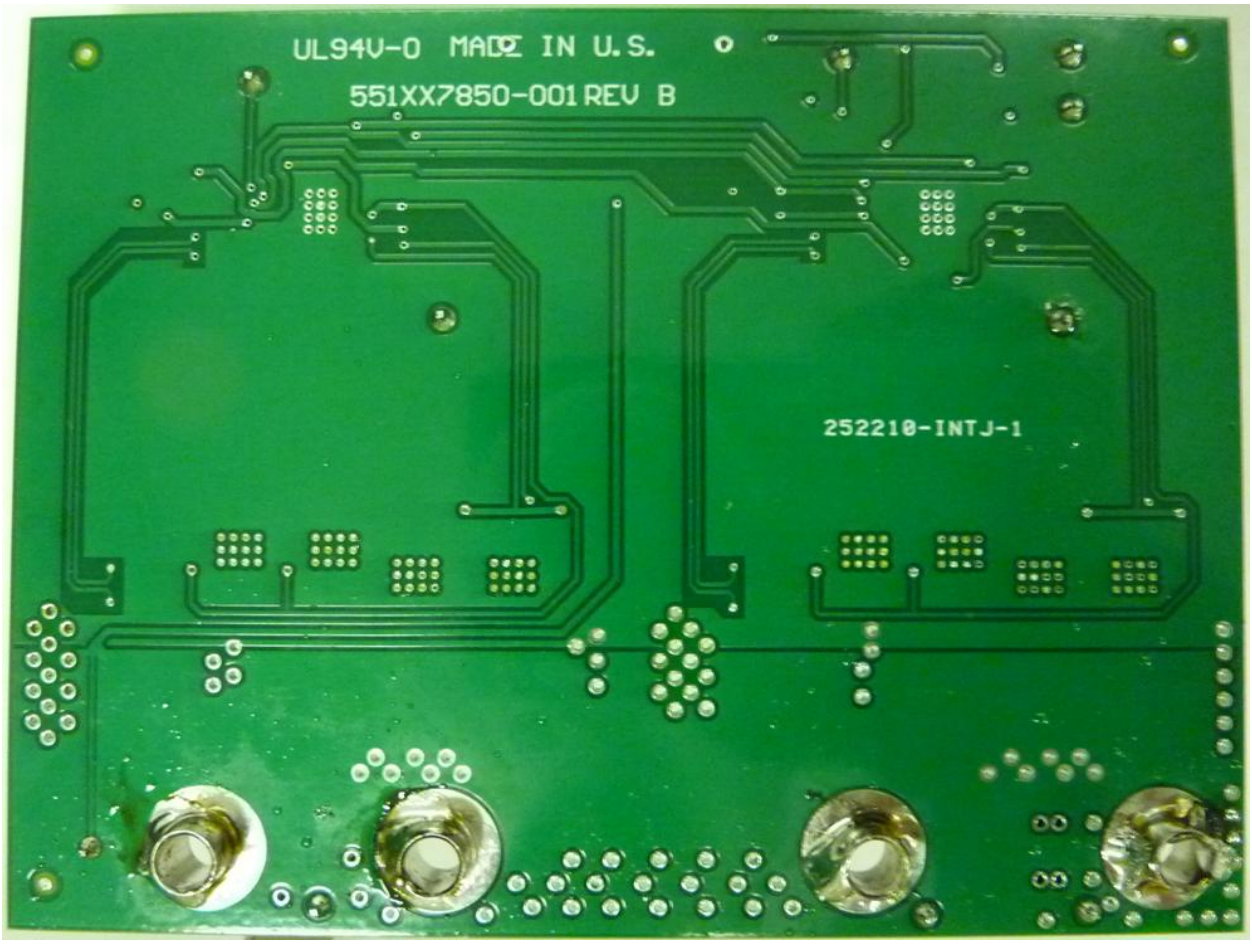
Vin	**7V - 8V**
Vout	**12V**
Iout	**84A Peak Pulse**

FABRICATION

Board Dimensions: 4” x 3”

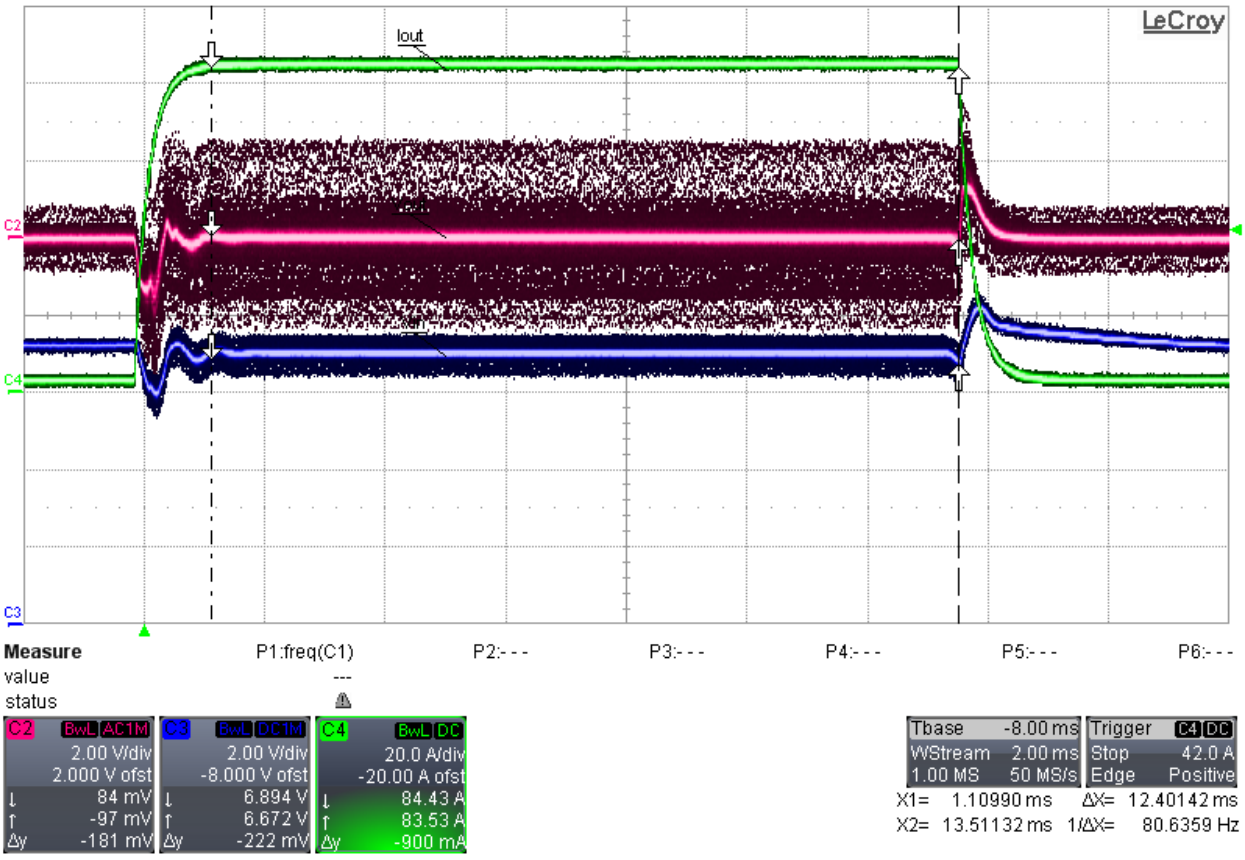


Top Side

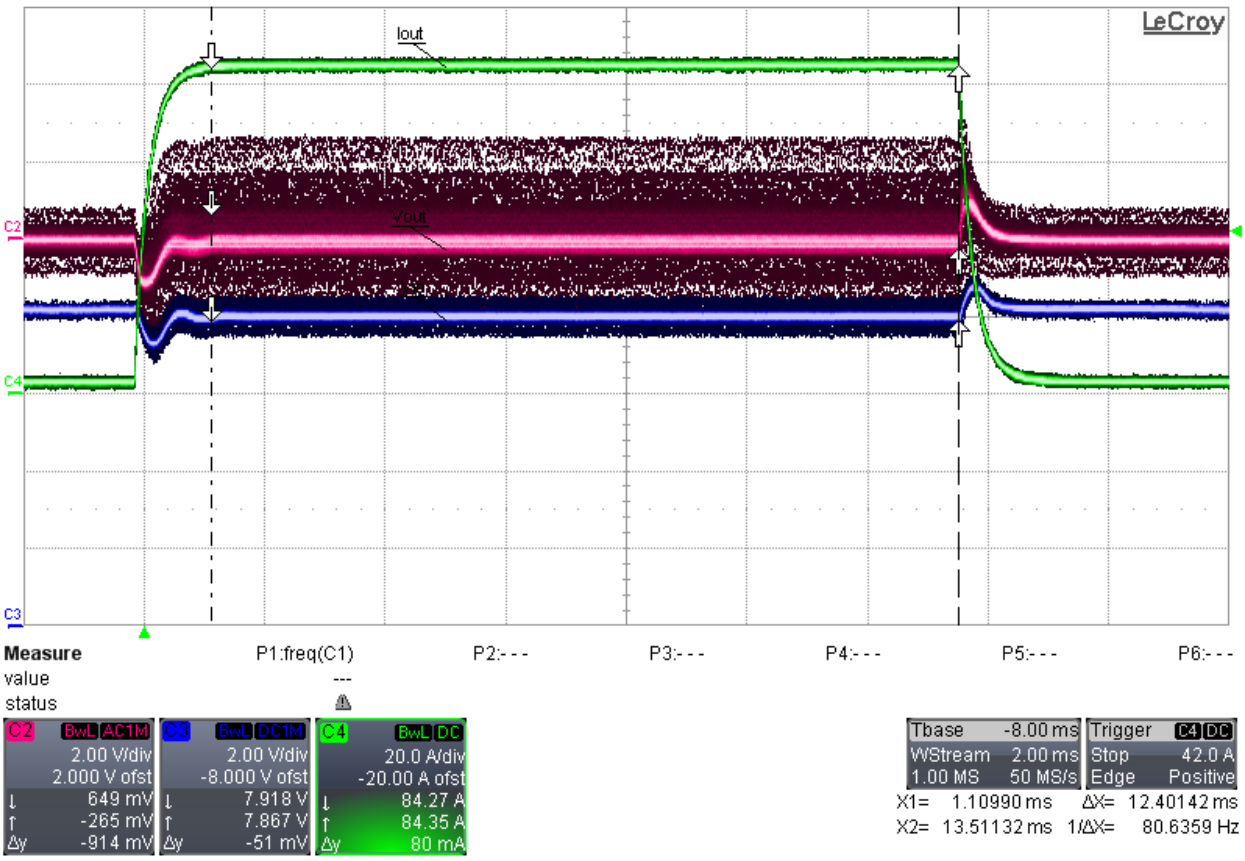


Bottom Side

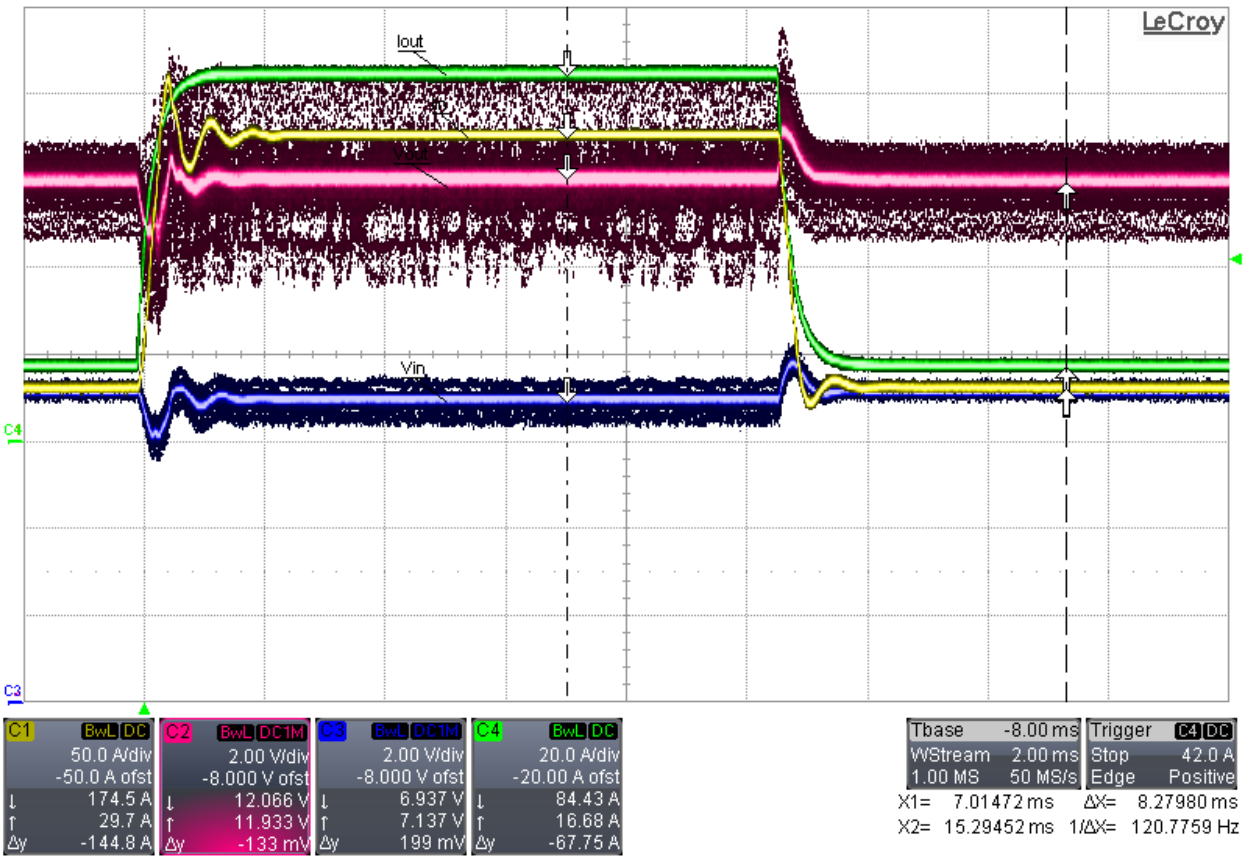
Waveforms



Transient at 7Vin, 0A-to-84A load step at ≈ 0.5A/µsec

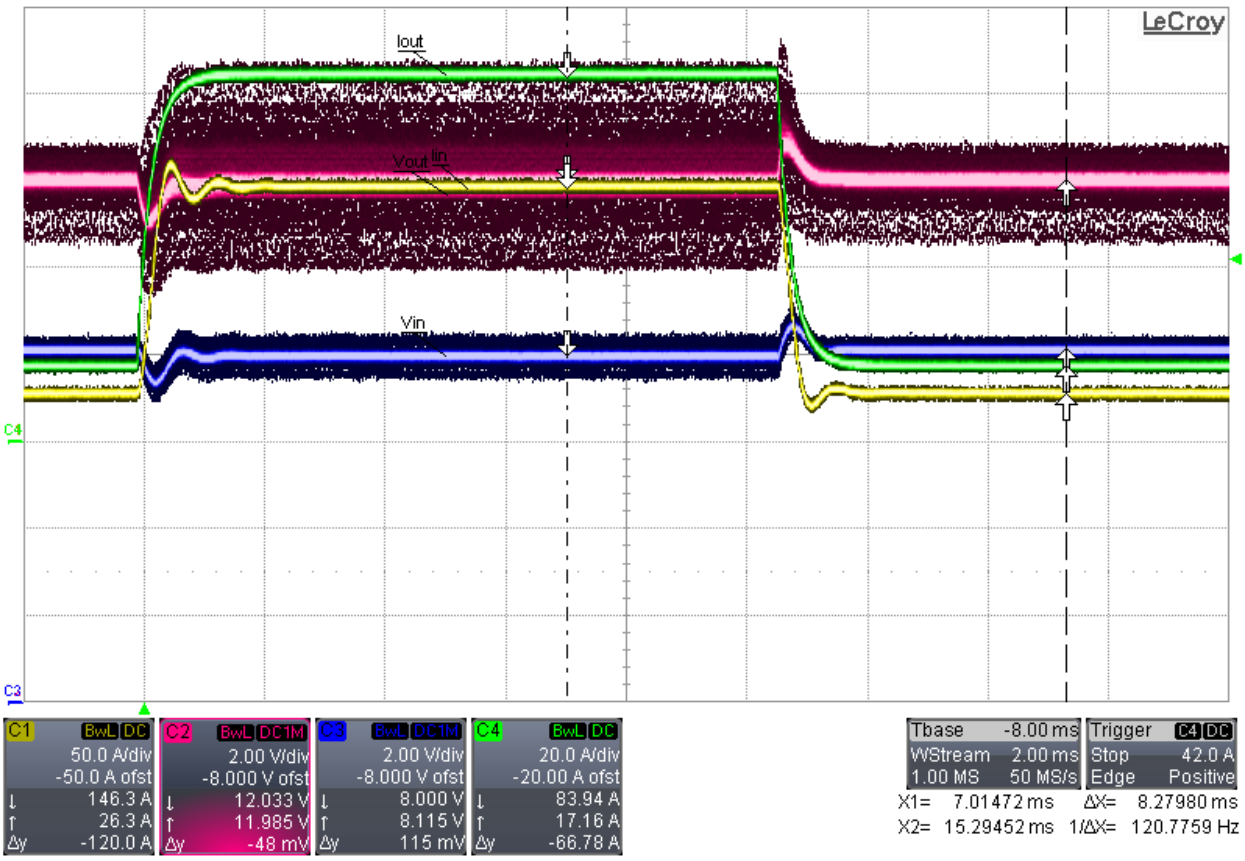


Transient at 8Vin, 0A-to-84A load step at ≈ 0.5A/µsec



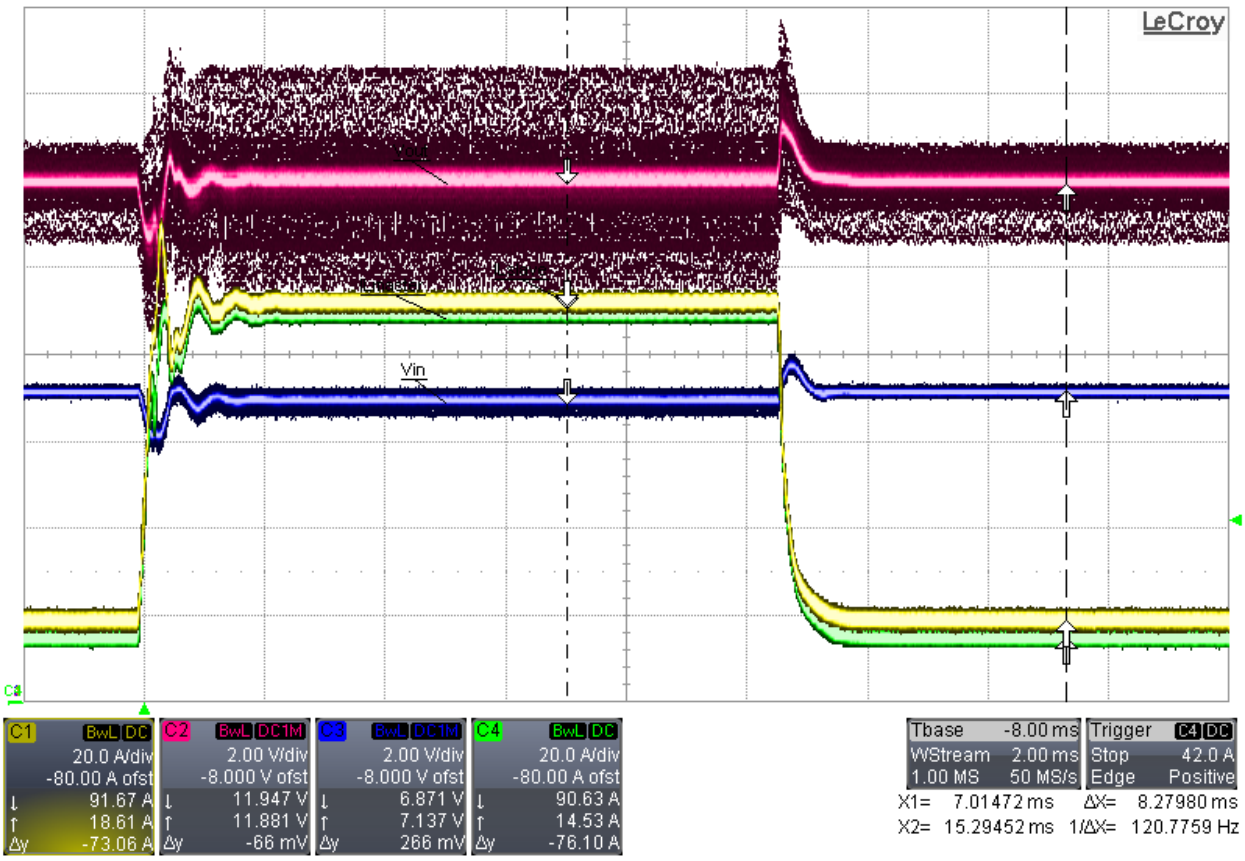
Efficiency at 7Vin

Efficiency at 7Vin	Vin (V)	Iin (A)	Vout (V)	Iout (A)	Pin (W)	Pout (W)	Efficiency (%)
@ 84A	6.937	174.5	12.066	84.43	1210.5065	1018.73238	84.16
@ 17A	7.137	29.7	11.933	16.68	211.9689	199.04244	93.90



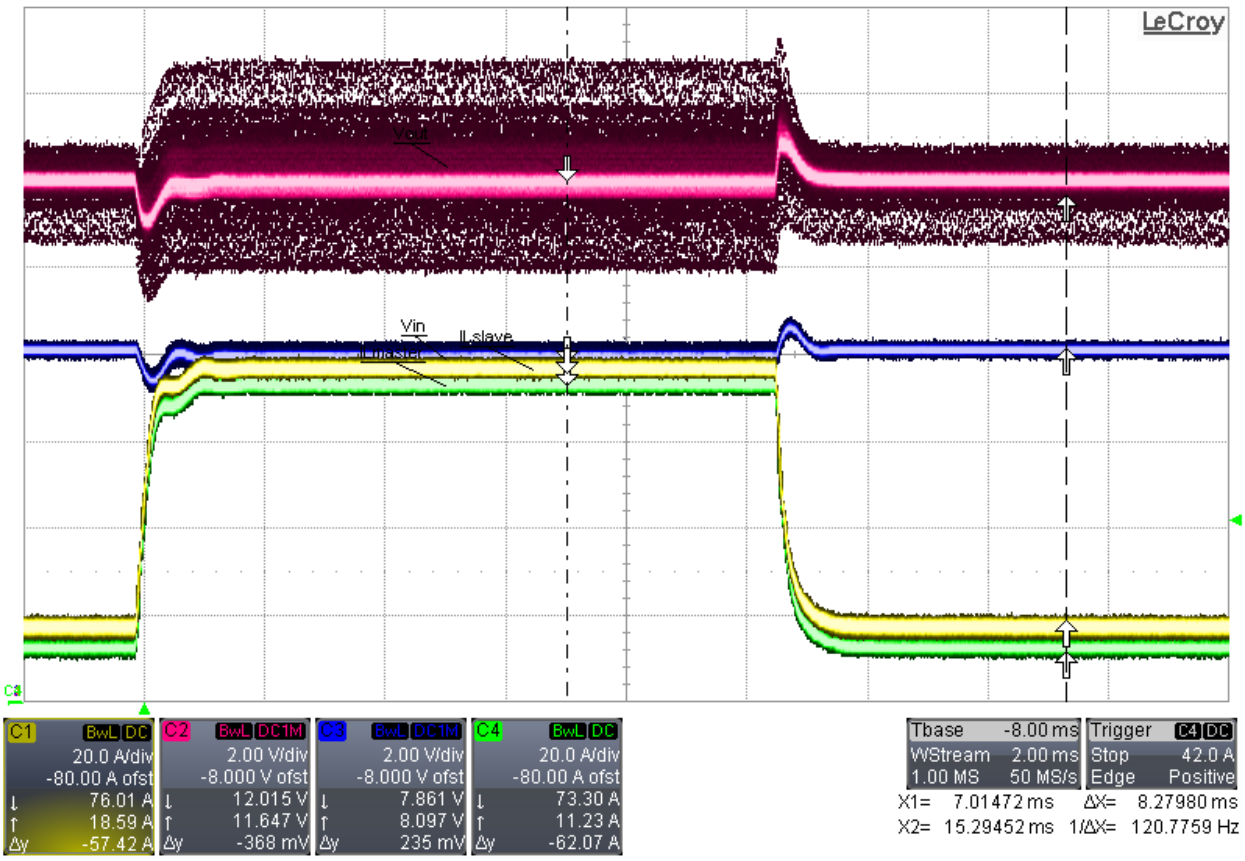
Efficiency at 8Vin

Efficiency at 8Vin	Vin (V)	Iin (A)	Vout (V)	Iout (A)	Pin (W)	Pout (W)	Efficiency (%)
@ 84A	8.000	146.3	12.033	83.94	1170.4	1010.05002	86.3
@ 17A	8.115	26.3	11.985	17.16	213.4245	205.6626	96.36



Current Sharing at 7Vin

7Vin Current Sharing	Current per Phase @ 84A	Current per Phase @ 17A
Master Current	90.6A	14.5A
Slave Current	91.7A	18.6A



Current Sharing at 8Vin

8Vin Current Sharing	Current per Phase @ 84A	Current per Phase @ 17A
Master Current	73.3A	11.2A
Slave Current	76A	18.6A

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