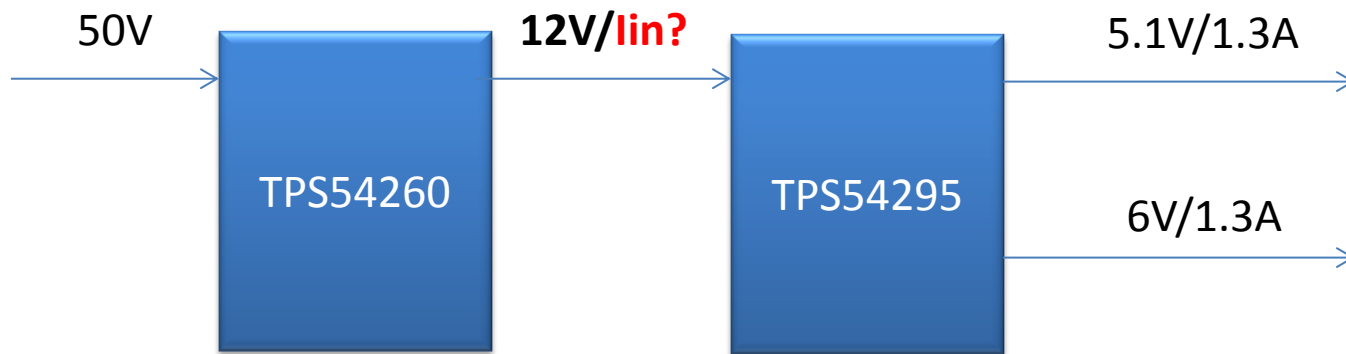




dit Inputs

Name: TPS54295 12-12V to 5.1V @ 1.3A. 04/29/2013 23:49:0
 Part: TPS54295

VinMin: 12.000
 VinMax: 12.000
 Vout: 5.100
 Iout: 1.300
 Vout2: 6.000
 Iout2: 1.

Schematic

Analysis

Stress

Efficiency

Loop

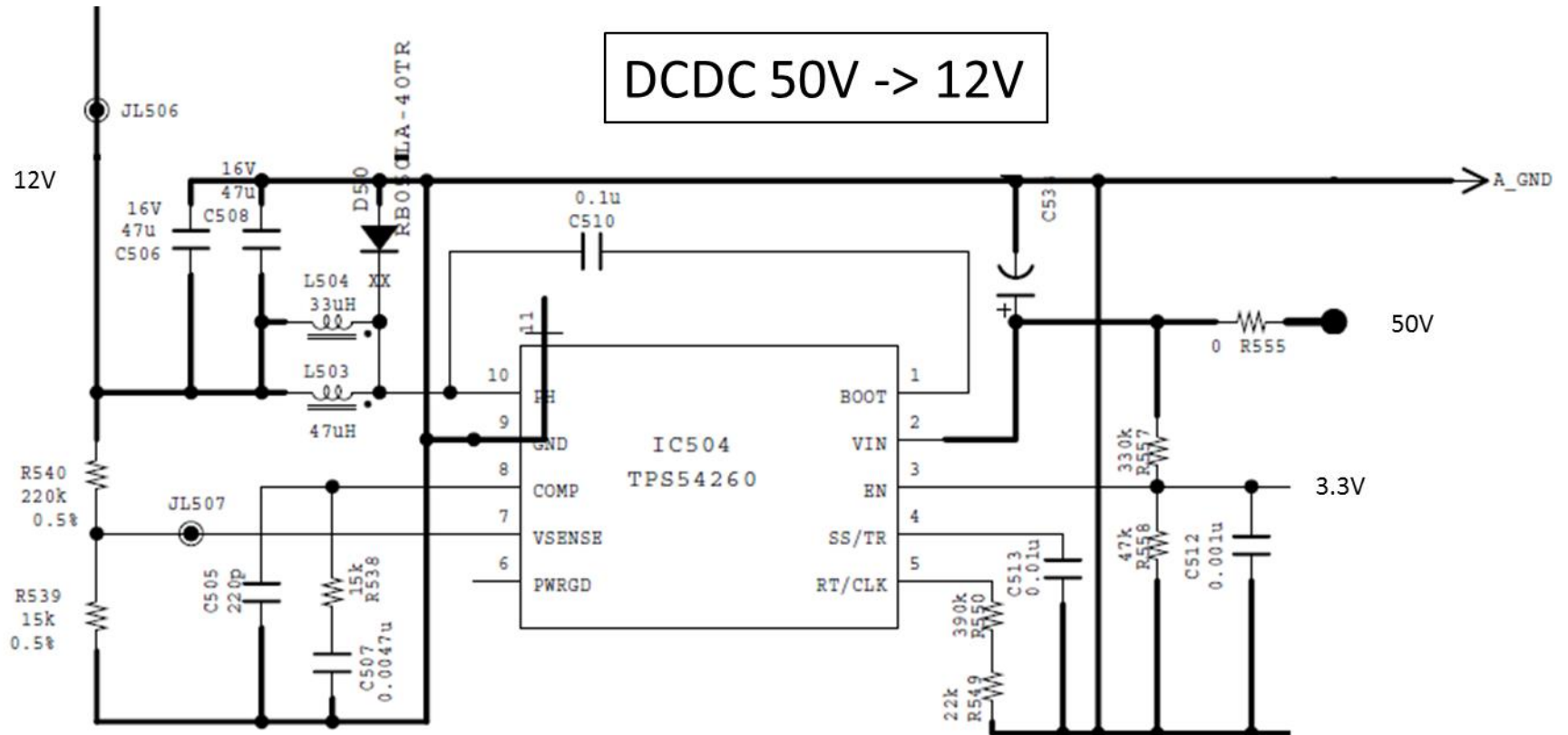
B.O.M

Layout

Notes

Device	Rated Voltage	Calculated Voltage	Rated Current (RMS)	Calculated Current (RMS)	Error Message	Power	Calculated Max Temp
Input Cap)	25V	12.1V	3.5A	0.69A		7mW	-
Freq. Input Cap)	50V	12.1V	3.5A	7.2mA		787nW	-
Output Cap)	16V	5.13V	3.5A	0.21A		170uW	-
Inductor)	-	-	5A	1.36A		31mW	-
Input Cap)	25V	12.1V	3.5A	0.71A		8mW	-
Freq. Input Cap)	50V	12.1V	3.5A	7.4mA		821nW	-
Output Cap)	16V	6.02V	3.5A	0.21A		175uW	-
Inductor)	-	-	5A	1.37A		31mW	-
Transformer)	25V	12.1V	2.2A	1.37A		764mW	35°C

DCDC 50V -> 12V



DCDC 12V -> +6.0V & +5.1V

