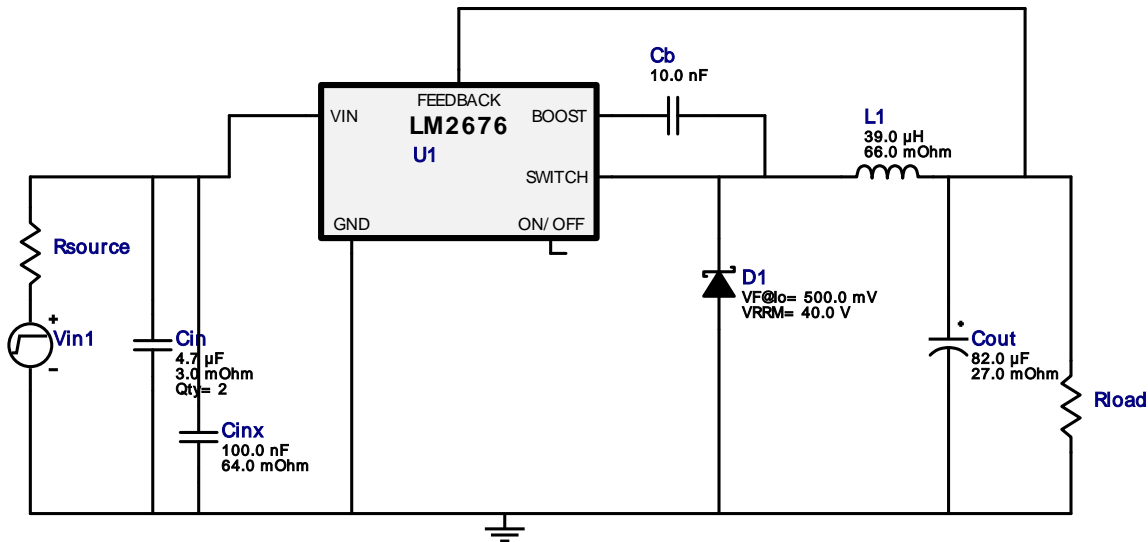![Texas Instruments logo] **TEXAS INSTRUMENTS**

WEBENCH ® Design Report

Design : 1356148/3 LM2676T-5.0/NOPB
Edited - LM2676SX-5.0/NOPB 12.0V-24.0V to 5.0V @ 2.0A - (#2)

Electrical BOM

#	Name	Manufacturer	Part Number	Properties	Qty	Price	Footprint
1.	Cb	MuRata	GRM216R71H103KA01D Series= X7R	Cap= 10.0 nF VDC= 50.0 V IRMS= 0.0 A	1	$0.01	0805 7mm2
2.	Cin	MuRata	GRM31CR71H475KA12L Series= X7R	Cap= 4.7 µF ESR= 3.0 mOhm VDC= 50.0 V IRMS= 4.98 A	2	$0.10	1206 11mm2
3.	Cinx	Kemet	C0805C104K5RACTU Series= X7R	Cap= 100.0 nF ESR= 64.0 mOhm VDC= 50.0 V IRMS= 1.64 A	1	$0.01	0805 7mm2
4.	Cout	Panasonic	16SVPF82M Series= 1273	Cap= 82.0 µF ESR= 27.0 mOhm VDC= 16.0 V IRMS= 3.0 A	1	$0.35	CAPSMT_62_E61 53mm2
5.	D1	Diodes Inc.	B340A-13-F	VF@Io= 500.0 mV VRRM= 40.0 V	1	$0.11	SMA 37mm2
6.	L1	Bourns	SRR1210-390M	L= 39.0 µH DCR= 66.0 mOhm	1	$0.44	SRR1210 196mm2
7.	U1	Texas Instruments	LM2676T-5.0/NOPB	Switcher	1	$1.80	TS7B 199mm2

Design Assistance

1. Modified : Sun Jun 8 10:46:51 GMT+0800 2014

2. Modified : Sun Jun 8 10:47:24 GMT+0800 2014

3. Modified : Sun Jun 8 10:48:10 GMT+0800 2014

4. LM2676 Product Folder : http://www.ti.com/product/lm2676 : contains the data sheet and other resources.

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WEBENCH® Design Report   LM2676T-5.0/NOPB : Edited - LM2676SX-5.0/
NOPB 12.0V-24.0V to 5.0V @ 2.0A - (#2)   June 7, 2014 19:49:16 GMT-7