

PCN Number:	20160211001	PCN Date:	2/15/2016
Title:	Datasheet for TRF3765		
Customer Contact:	PCN Manager	Dept:	Quality Services
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
		<input type="checkbox"/>	Wafer Bump Site
		<input type="checkbox"/>	Wafer Bump Material
		<input type="checkbox"/>	Wafer Bump Process
		<input type="checkbox"/>	Wafer Fab Site
		<input type="checkbox"/>	Wafer Fab Materials
		<input type="checkbox"/>	Wafer Fab Process

Notification Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification.

The product datasheet(s) is being updated as summarized below.

The following change history provides further details.



LM5802

SNVSAA4B –APRIL 2015–REVISED NOVEMBER 2015

Changes from Revision B (September 2015) to Revision C

Page

• Changed the documents title from, "UCC28880 700-V Lowest Quiescent Current Off-Line Switcher", to "700-V, 100-mA Low Quiescent Current Off-Line Converter".	1
• Changed Figure 16 image.	16
• Changed Equation 14 .	19
• Changed Figure 19 image.	22
• Changed Figure 22 image.	25
• Changed Figure 23 image.	25
• Changed Figure 24 image.	26
• Changed Figure 25 image.	26
• Changed Figure 26 image.	27
• Changed Figure 27 image.	27
• Changed Figure 28 image.	28

Changes from Revision A (October 2014) to Revision B

Page

• Added Thermal Shutdown feature.	1
• Changed Applications features.	1
• Changed Power vs Input Voltage image.	1
• Changed Layout Guidelines section.	2
• Changed T_j specification and added note 4, 5 and 6.	4
• Added I_{VDD} ratings.	4
• Added HVIN pin exclusion.	4
• Added VDD clamp voltage specification.	6
• Changed Maximum switch on/off time specification.	6
• Added inductor current run away protection time threshold specification.	6
• Added R_{THJA} vs Copper Area image.	8
• Changed Feature Description section.	10
• Changed PWM Controller section.	13

• Added Current Limit details.....	14
• Changed Figure 15.....	15
• Changed Equation 1.....	15
• Changed Over-Temperature Protection section to Thermal Shutdown section.....	15
• Changed Universal Input, 12-V, 100-mA Output Low-Side Buck image.....	16
• Changed Equation 2.....	17
• Changed.....	17
• Changed Freewheeling Diode (D1) section.....	18
• Changed Equation 5.....	18
• Changed Equation 7.....	19
• Changed Equation 9.....	19
• Changed Equation 10.....	19
• Changed Equation 12.....	19
• Changed Equation 14.....	19
• Changed Equation 17.....	20
• Changed Low-Side Buck-Boost Converter image.....	26
• Changed Layout Guidelines section.....	29

The datasheet number will be changing.

Device Family	Change From:	Change To:
TRF3765	SLWS230D	SLWS230E

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TRF3765>

Reason for Change:

To more accurately reflect device characteristics.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.

Changes to product identification resulting from this PCN:

None.

Product Affected:

TRF3765IRHBR	TRF3765IRHBT
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For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com