12500 TI Boulevard, MS 8640, Dallas, Texas 75243

Notification# 20160211001
Datasheet for TRF3765
Information Only

Date: 2/15/2016
To: Newark/Farnell PCN

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the PCN Manager (PCN_ww_admin_team@list.ti.com).

Sincerely,

PCN Team
SC Business Services

Information Only
Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
TRF3765IRHBT	null

Technical details of this Product Change follow on the next page(s).

PCN Number:	20160211001	**PCN Date:**	2/15/2016
Title:	Datasheet for TRF3765		
Customer Contact:	PCN Manager	**Dept:**	Quality Services
Change Type:			

☐ Assembly Site	☐ Design	☐ Wafer Bump Site
☐ Assembly Process	☒ Data Sheet	☐ Wafer Bump Material
☐ Assembly Materials	☐ Part number change	☐ Wafer Bump Process
☐ Mechanical Specification	☐ Test Site	☐ Wafer Fab Site
☐ Packing/Shipping/Labeling	☐ Test Process	☐ Wafer Fab Materials
		☐ Wafer Fab Process

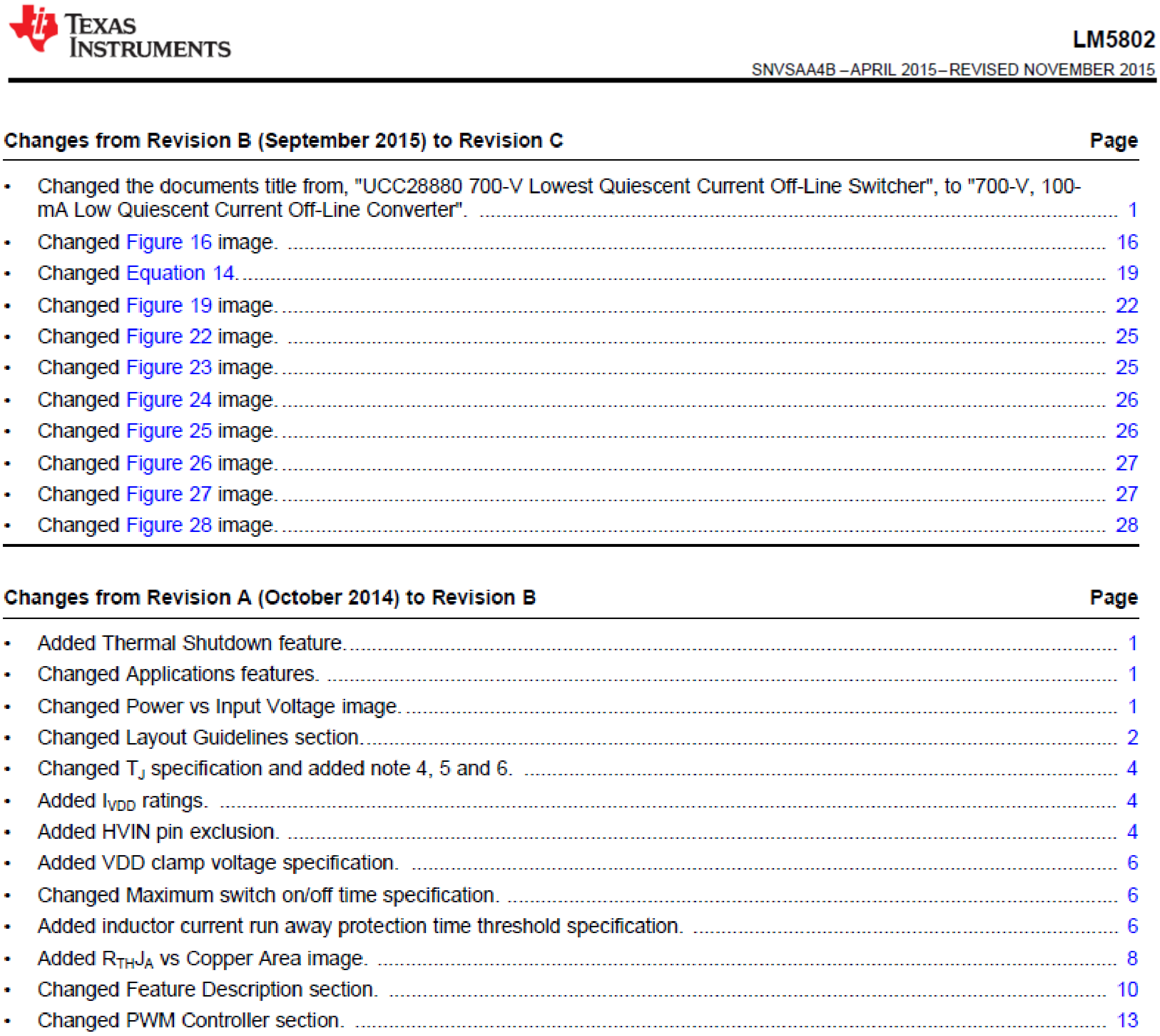
Notification Details

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.



TEXAS INSTRUMENTS

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

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