PCN Number:	20130520000	PCN Date:	05/22/2013
Title:	TPS2459 Data Sheet		
Customer Contact:	PCN Manager	Phone: +1(214) 480-6037	Dept: Quality Services

Change Type:

☐	Assembly Site	☐	Assembly Process	☐	Assembly Materials
☐	Design	☒	Electrical Specification	☐	Mechanical Specification
☐	Test Site	☐	Packing/Shipping/Labeling	☐	Test Process
☐	Wafer Bump Site	☐	Wafer Bump Material	☐	Wafer Bump Process
☐	Wafer Fab Site	☐	Wafer Fab Materials	☐	Wafer Fab Process

PCN Details

Description of Change:

The product datasheet(s) is being Update to update fault timer bit weight and duty cycle per re-characterization.

The following change history provides further details. These changes may be reviewed at the datasheet links provided.

TPS2459

TEXAS INSTRUMENTS

SLUS917E – FEBRUARY 2009 – REVISED MAY 2013 www.ti.com

Changes from Revision D (May 2010) to Revision E Page

- Changed the FAULT TIMER section of the ELECTRICAL CHARACTERISTICS table 3
- Changed Table 2: REGISTER 4 and REGISTER 5 From: fault time by 0.5, 1, 2, 4, 8 ms To: fault time by 0.45, 0.9, 1.80, 3.6, 7.2 ms 16
- Changed Table 4: Register 4 From: fault time by 0.5, 1, 2, 4, 8 ms To: fault time by 0.45, 0.9, 1.80, 3.6, 7.2 ms 18
- Changed the 12FT[4:0] description From: The least-significant bit has a nominal weight of 0.5 ms, so fault times ranging from 0.5 ms (for code 00001B) to 15.5 ms (for code 11111B) can be programmed. To: The least-significant bit has a nominal weight of 0.45 ms, so fault times ranging from 0.45 ms (for code 00001B) to 13.95 ms (for code 11111B) can be programmed. 18
- Changed Table 5: Register 5 From: fault time by 0.5, 1, 2, 4, 8 ms To: fault time by 0.45, 0.9, 1.80, 3.6, 7.2 ms 19
- Changed the 3FT[4:0] description From: The least-significant bit has a nominal weight of 0.5 ms, so fault times ranging from 0.5 ms (for code 00001B) to 15.5 ms (for code 11111B) can be programmed. To: The least-significant bit has a nominal weight of 0.45 ms, so fault times ranging from 0.45 ms (for code 00001B) to 13.95 ms (for code 11111B) can be programmed. 19
- Changed the Fault Timer Programming section and Table 13 34

Device Family	Change From:	Change To:
TPS2459	SLUS917D	**SLUS917E**

The updated datasheet(s) can be accessed by the following link(s):
http://www.ti.com/product/tps2459

Reason for Change:	
To more accurately reflect device characteristics	
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):	
Electrical specification performance changes as indicated above.	
Changes to product identification resulting from this PCN:	
None	
Product Affected:	
TPS2459RHBR	TPS2459RHBT

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