

<b>PCN Number:</b>	20130523001			<b>PCN Date:</b>	05/24/2013
<b>Title:</b>	TPS2359 Data Sheet				
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Phone:</b>	+1(214) 480-6037	<b>Dept:</b>	Quality Services
<b>Change Type:</b>					
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Assembly Materials
<input type="checkbox"/>	Design	<input checked="" type="checkbox"/>	Electrical Specification	<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

### 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.



**TPS2359**

[www.ti.com](http://www.ti.com)

SLUS792H—FEBRUARY 2008—REVISED MAY 2013

Changes from Revision G (November 2011) to Revision H	Page
• Changed the Fault Timer section section of the ELECTRICAL CHARACTERISTICS table .....	3
• Changed Table 2 Register 1, Register 2, Register 4, and Register 5 From: fault time by 0.41, 0.82, 1.64, 3.28, and 6.56 ms To: 0.45, 0.9, 1.8, 3.6 and 7.2 ms. ....	17
• Changed Table 4 fault time by From: 0.41, 0.82, 1.68, 3.28, and 6.56 ms To: 0.45, 0.9, 1.8, 3.6 and 7.2 ms. ....	20
• Changed the 12AFT[4:0] description .....	20
• Changed Table 5 fault time by From: 0.41, 0.82, 1.68, 3.28, and 6.56 ms To: 0.45, 0.9, 1.8, 3.6 and 7.2 ms. ....	21
• Changed the 3AFT[4:0] description .....	21
• Changed Table 7 fault time by From: 0.41, 0.82, 1.68, 3.28, and 6.56 ms To: 0.45, 0.9, 1.8, 3.6 and 7.2 ms. ....	23
• Changed the 12BFT[4:0] description .....	23
• Changed Table 8 fault time by From: 0.41, 0.82, 1.68, 3.28, and 6.56 ms To: 0.45, 0.9, 1.8, 3.6 and 7.2 ms. ....	24
• Changed the 3BFT[4:0] description .....	24
• Changed the Fault Timer Programming section and Table 16 .....	39

Device Family	Change From:	Change To:
TPS2359	SLUS792G	<b>SLUS792H</b>

The updated datasheet(s) can be accessed by the following link(s):

<http://www.ti.com/product/tps2359>

<b>Reason for Change:</b>			
To more accurately reflect device characteristics			
<b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>			
Electrical specification performance changes as indicated above.			
<b>Changes to product identification resulting from this PCN:</b>			
None			
<b>Product Affected:</b>			
TPS2359RHHR	TPS2359RHHRG4	TPS2359RHHT	TPS2359RHHTG4

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

<b>Location</b>	<b>E-Mail</b>
USA	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
Japan	<a href="mailto:PCNJapanContact@list.ti.com">PCNJapanContact@list.ti.com</a>