

<b>PCN Number:</b>	20130911001			<b>PCN Date:</b>	09/12/2013				
<b>Title:</b>	Design revision for select LM3243TMx devices								
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Phone:</b>	+1(214)480-6037	<b>Dept:</b>	Quality Services				
<b>Proposed 1<sup>st</sup> Ship Date:</b>	12/12/2013	<b>Estimated Sample Availability:</b>		Date provided at sample request					
<b>Change Type:</b>									
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Assembly Materials				
<input checked="" type="checkbox"/>	Design	<input 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				
	<input type="checkbox"/>	Part number change							
<b>PCN Details</b>									
<b>Description of Change:</b>									
<p>This notification is to inform of a minor LM3243TM design layout enhancement to improve the overall manufacturability of the LM3243 device. This design change does not affect the device's guaranteed datasheet specifications or electrical performance. This change is only intended to improve the device's manufacturability.</p> <p>The table below describes changes that were made:</p> <table border="1"> <thead> <tr> <th>Description of Change</th> <th>Benefit of Change</th> </tr> </thead> <tbody> <tr> <td>Minor layout changes are being made to the LM3243TM to improve the accuracy of the parametric trim at final test.</td> <td>Improves overall manufacturability by optimizing the device's parametric trim at final test. Does not change the device's guaranteed electrical performance.</td> </tr> </tbody> </table> <p>There is no datasheet change required.</p>						Description of Change	Benefit of Change	Minor layout changes are being made to the LM3243TM to improve the accuracy of the parametric trim at final test.	Improves overall manufacturability by optimizing the device's parametric trim at final test. Does not change the device's guaranteed electrical performance.
Description of Change	Benefit of Change								
Minor layout changes are being made to the LM3243TM to improve the accuracy of the parametric trim at final test.	Improves overall manufacturability by optimizing the device's parametric trim at final test. Does not change the device's guaranteed electrical performance.								
<b>Reason for Change:</b>									
Address parametric shifts due to post bump assembly stress that is presently being sub-optimally trimmed at final test. This change will improve the accuracy of the parametric trim and the overall manufacturability of the device.									
<b>Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):</b>									
None									
<b>Changes to product identification resulting from this PCN:</b>									
None									
<b>Product Affected:</b>									
	LM3243TME	LM3243TME/NOPB	LM3243TMX	LM3243TMX/NOPB					

### Qualification Plan:

This qualification has been specifically developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.

#### Qual Vehicle 1: LM3243TMX/NOPB

#### Package/Die Construction Details

Assembly Site:	TIEM-MELAKA	# Pins-Designator, Family:	16-PWP, YQF
Fab Process:	MFAB	Package Type:	WCSP

Qualification:  Plan  Test Results

Reliability Test	Conditions	Sample Size (PASS/FAIL)
High Temp Operating Life	125C (168, 500, 1000 Hrs)	77/0
ESD CDM	+/- 250V, 500V, 750V, 1000V, 1500V	3/0
ESD HBM	+/- 500V, 1000V, 1500V, 2000V, 2500V	3/0
Latch-up	(per JESD78) 125C	6/0
Latch-up	(per JESD78) 25C	6/0
Latch-up	(per JESD78) 85C	6/0

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

Location	E-Mail
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>