

<b>PCN Number:</b>	20140227000		<b>PCN Date:</b>	02/28/2014	
<b>Title:</b>	Green Mold Compound Conversion for LMP7704MT(X)/NOPB				
<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>	06/01/2014	<b>Estimated Sample Availability:</b>	03/01/2014		
<b>Change Type:</b>					
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Assembly Materials
<input 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>					
The LMP7704MT(X)/NOPB devices will undergo a conversion to green mold compound. No other BOM changes are included in this notification:					
		<b>Current</b>	<b>New</b>		
<b>Mold Compound</b>		8064463	<b>4209002</b>		
<b>Reason for Change:</b>					
ROHS compliancy.					
<b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>					
None					

<b>Changes to product identification resulting from this PCN:</b>	
Sample product shipping label – Matte Sn Finish (not actual product label)	
<p> <b>TEXAS INSTRUMENTS</b>  MADE IN: Malaysia  2DC: 20:  MSL 2 /260C/1 YEAR SEAL DT  MSL 1 /235C/UNLIM 03/29/04  OPT:  ITEM: 39  <b>LBL: 5A (L)T0:1750</b> </p> <p> <b>G4</b> </p> <p> (1P) SN74LS07NSR  (Q) 2000 (D) 0336  (31T) LOT: 3959047MLA  (4W) TKY (1T) 7523483SI2  (P)  (2P) REV: (V) 0033317  (20L) CSO: SHE (21L) CCO:USA  (22L) ASO: MLA (23L) ACO: MYS </p>	<div style="border: 2px solid green; background-color: green; color: white; padding: 5px; width: fit-content; margin: 0 auto;"> Current: e3  Green Conversion: G3 </div>

Product Affected	
LMP7704MT/NOPB	LMP7704MTX/NOPB

### Qualification Data: Approved November, 2009

Qual Vehicle: LMP2234AMTX/NOPB (MSL1-260C)			
Package Construction Details			
<b>Assembly Site:</b>	TIEM	<b>Mold Compound:</b>	4209002
<b># Pins-Designator, Family:</b>	14-PW, TSSOP	<b>Mount Compound:</b>	8080598
<b>Lead Finish:</b>	Matte Sn	<b>Bond Wire:</b>	Au, 1.0 mil
<b>Qualification:</b> <input type="checkbox"/> Plan <input checked="" type="checkbox"/> Test Results			
Reliability Test	Conditions	Sample Size/Fail	
		Lot#1	Lot#2
SOPL	125C (1000 Hrs)	77/0	77/0
**Autoclave 121C	121C, 2 atm (96 Hrs)	45/0	45/0
**T/C -65C/150C	-65C/+150C (1000 Cyc)	77/0	70/0
** - Test requires Moisture Preconditioning (MSL1-260C)			

### Reference Qualification Data: Approved May, 2007

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.					
Qualification Device: LMB4008M1-6/NOPB (MSL 2A-260C)					
Package Construction Details					
<b>Assembly Site:</b>	TIEM	<b>Mold Compound:</b>	4209002		
<b># Pins-Designator, Family:</b>	DW-20, SOIC	<b>Mount Compound:</b>	8080598		
<b>Lead Finish:</b>	Matte Sn	<b>Bond Wire:</b>	Au, 1.0 mil		
<b>Qualification:</b> <input type="checkbox"/> Plan <input checked="" type="checkbox"/> Test Results					
Reliability Test	Conditions	Sample Size / Fail			
		Lot 1	Lot 2	Lot 3	
SOPL	150C (1000 Hrs)	77/0	77/0	77/0	
**Autoclave 121C	121C, 2 atm (96 Hrs)	77/0	77/0	77/0	
**THBT	85C/85%RH (96 Hrs)	77/0	77/0	77/0	
**T/C -65C/150C	-65C/+150C (1000 Cyc)	77/0	77/0	77/0	
Notes: **Tests require preconditioning sequence: MSL2A-260C					

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	<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>