

<b>PCN Number:</b>	20130212000			<b>PCN Date:</b>	04/02/2013												
<b>Title:</b>	LM5114/LM5134 MSL Change																
<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>	04/02/2013	<b>Estimated Sample Availability:</b>	04/02/2013														
<b>Change Type:</b>																	
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Assembly Materials												
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification	<input type="checkbox"/>	Mechanical Specification												
<input type="checkbox"/>	Test Site	<input checked="" 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												
<b>PCN Details</b>																	
<b>Description of Change:</b>																	
The MSL for the LM5114 and LM5134 FCOL SOT families will be changed from MSL3 to MSL1.																	
<table border="1"> <thead> <tr> <th rowspan="2">Package</th> <th colspan="2">Moisture Sensitivity</th> </tr> <tr> <th>Change From:</th> <th>Change To:</th> </tr> </thead> <tbody> <tr> <td>DBV</td> <td>Level 3-260C</td> <td><b>Level 1-260C</b></td> </tr> </tbody> </table>						Package	Moisture Sensitivity		Change From:	Change To:	DBV	Level 3-260C	<b>Level 1-260C</b>				
Package	Moisture Sensitivity																
	Change From:	Change To:															
DBV	Level 3-260C	<b>Level 1-260C</b>															
<b>Reason for Change:</b>																	
Devices have been qualified to MSL 1.																	
<b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>																	
None																	
<b>Changes to product identification resulting from this PCN:</b>																	
Packing label on bag, box, reel will indicate: 'MS LVL:1'.																	
<b>Product Affected:</b>																	
<table border="1"> <tbody> <tr> <td>LM5114AMF/NOPB</td> <td>LM5114AMFX/S7003103</td> <td>LM5114BMFX/NOPB</td> <td>LM5134AMFX/NOPB</td> </tr> <tr> <td>LM5114AMF/S7003109</td> <td>LM5114BMF/NOPB</td> <td>LM5114BMFX/S7003094</td> <td>LM5134BMF/NOPB</td> </tr> <tr> <td>LM5114AMFX/NOPB</td> <td>LM5114BMF/S7003110</td> <td>LM5134AMF/NOPB</td> <td>LM5134BMFX/NOPB</td> </tr> </tbody> </table>						LM5114AMF/NOPB	LM5114AMFX/S7003103	LM5114BMFX/NOPB	LM5134AMFX/NOPB	LM5114AMF/S7003109	LM5114BMF/NOPB	LM5114BMFX/S7003094	LM5134BMF/NOPB	LM5114AMFX/NOPB	LM5114BMF/S7003110	LM5134AMF/NOPB	LM5134BMFX/NOPB
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### Qualification Data: Approved 3/06/2012

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: LM5114BMF (MSL 1-260C)

##### Package Construction Details

Assembly Site:	TI Melaka	Mold Compound:	8097131
# Pins-Designator, Family:	6-DBV, SOT	Lead Finish:	Matte Sn

Qualification:  Plan  Test Results

Reliability Test	Conditions	Sample Size / Fail		
		Lot 1	Lot 2	Lot 3
**Biased Hast	130C/2 ATM (96hrs)	77/0	77/0	77/0
**Autoclave 121C	121C, 15 PSI (96 Hrs)	85/0	85/0	86/0
**T/C -65C/150C	-65C/+150C (500 Cyc)	80/0	80/0	80/0

Notes: \*\*Tests require preconditioning sequence: MSL1-260C

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>