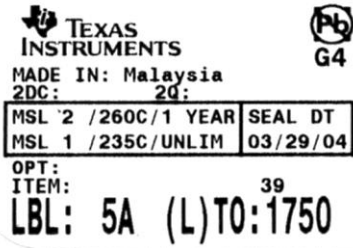



<b>PCN Number:</b>		20131121000		<b>PCN Date:</b>		11/22/2013										
<b>Title:</b>		Qualification of JCET Chuzhou as Additional Assembly/Test Site for SOT Package Devices														
<b>Customer Contact:</b>		<a href="#">PCN Manager</a>		<b>Phone:</b>		+1(214)480-6037										
<b>Dept:</b>		Quality Services														
<b>Proposed 1<sup>st</sup> Ship Date:</b>		02/22/2014		<b>Estimated Sample Availability:</b>		Date Provided at Sample request										
<b>Change Type:</b>																
<input checked="" type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Mechanical Specification									
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Bump Process									
<input checked="" type="checkbox"/>	Test Site	<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Wafer Fab Process	<input type="checkbox"/>	Part number change									
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material	<input type="checkbox"/>		<input type="checkbox"/>										
<input type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials	<input type="checkbox"/>		<input type="checkbox"/>										
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>										
<b>PCN Details</b>																
<b>Description of Change:</b>																
Qualification of JCET Chuzhou as Additional Assembly/Test Site for DCY Package Devices. Material differences are shown in the following table:																
		<b>NFME</b>		<b>JCET Chuzhou</b>												
<b>Mold Compound</b>		SID# R-17		SID# 013101006201												
Test coverage, insertions, conditions will remain consistent with current testing and verified with test MQ.																
<b>Reason for Change:</b>																
Continuity of Supply																
<b>Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):</b>																
None																
<b>Changes to product identification resulting from this PCN:</b>																
<table border="1" style="width: 100%;"> <tr> <td colspan="3">Assembly Site</td> </tr> <tr> <td>NFME</td> <td>Assembly Site Origin (22L)</td> <td>ASO: NS2</td> </tr> <tr> <td>JCET Chuzhou</td> <td>Assembly Site Origin (22L)</td> <td>ASO: GP6</td> </tr> </table>								Assembly Site			NFME	Assembly Site Origin (22L)	ASO: NS2	JCET Chuzhou	Assembly Site Origin (22L)	ASO: GP6
Assembly Site																
NFME	Assembly Site Origin (22L)	ASO: NS2														
JCET Chuzhou	Assembly Site Origin (22L)	ASO: GP6														
Sample product shipping label (not actual product label)																
  <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>																
ASSEMBLY SITE CODES: NFME = E, JCET Chuzhou = F																

<b>Product Affected:</b>			
LM317DCYR	TLV1117-18CDCYRG3	TLV1117CDCYRG3	UA78M05IDCYR
LM317DCYRG3	TLV1117-18IDCYR	TLV1117IDCYR	UA78M05IDCYRG3
LM317MDCYR	TLV1117-18IDCYRG3	TLV1117IDCYRE3	UA78M33CDCYR
LM317MDCYRG3	TLV1117CDCYR	TLV1117IDCYRG3	UA78M33CDCYRG3
SN78MDCYR	TLV1117CDCYR/2354	UA78M05CDCYR	
TLV1117-18CDCYR	TLV1117CDCYRE3	UA78M05CDCYRG3	

<b>Qualification Data</b>				
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.				
<b>Qual Vehicle 1 : LM317DCYR (MSL2-260C)</b>				
<b>Package Construction Details</b>				
Assembly Site:	JCET CHUZHOU	Mold Compound:	013101006201	
# Pins-Designator, Family:	4-DCY, SOT	Mount Compound:	011204001902	
Lead Finish, Base	Matte Sn, Cu	Bond Wire:	2.0 Mil Dia. Cu	
<b>Qualification:</b>	<input type="checkbox"/> Plan <input checked="" type="checkbox"/> <b>Test Results</b>			
Reliability Test	Conditions	Sample Size / Fail		
		Lot 1	Lot 2	Lot3
Electrical Characterization	-	30/0	-	-
**Life Test	150C (300 Hrs)	77/0	77/0	77/0
**Biased HAST	130C/85%RH (192 Hrs)	77/0	77/0	77/0
**Temp Cycle, -65C/150C	1000 Cycles	77/0	77/0	77/0
**High Temp Storage Bake	170C (600 Hrs)	77/0	77/0	77/0
**Autoclave	121C, 2 atm (192 Hrs)	77/0	77/0	77/0
Salt Atmosphere	24 Hrs	22/0	22/0	22/0
Solderability	Steam age, 8 hours; PB-Free solder	22/0	22/0	22/0
X-ray	(top side only)	5/0	5/0	5/0
Flammability (UL 94V-0)	(UL 94V-0)	5/0	5/0	5/0
Flammability (UL 94V-0)	(UL 94V-0)	5/0	5/0	5/0
Flammability (IEC 695-2-2)	(IEC 695-2-2)	5/0	5/0	5/0
Manufacturability Qualification (MQ)	(per mfg. Site specification)	Pass	-	-
Moisture Sensitivity	L2-260C	12/0	12/0	12/0
**- Preconditioning sequence: Level 2-260C.				

**Qual Vehicle 2 : TLV1117-18CDCYR (MSL2-260C)****Package Construction Details**

Assembly Site:	JCET CHUZHOU	Mold Compound:	013101006201		
# Pins-Designator, Family:	4-DCY, SOT	Mount Compound:	011204001902		
Lead Finish, Base	Matte Sn, Cu	Bond Wire:	2.0 Mil Dia. Cu		
<b>Qualification:</b> <input type="checkbox"/> <b>Plan</b> <input checked="" type="checkbox"/> <b>Test Results</b>					
Reliability Test	Conditions	Sample Size / Fail			
		Lot 1	Lot 2	Lot3	
**Biased HAST	130C/85%RH (192 Hrs)	77/0	77/0	77/0	
X-ray	(top side only)	5/0	5/0	5/0	
Manufacturability Qualification (MQ)	(per mfg. Site specification)	Pass	-	-	
**- Preconditioning sequence: Level 2-260C.					

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>