



<b>PCN Number:</b>	20190716000.1		<b>PCN Date:</b>	Aug. 7, 2019													
<b>Title:</b>	Qualification of JCET as an additional Assembly Site for Select Package Devices																
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>		<b>Dept:</b>	Quality Services													
<b>Proposed 1<sup>st</sup> Ship Date:</b>	Nov. 7, 2019		<b>Estimated Sample Availability:</b>	Provided upon Request													
<b>Change Type:</b>																	
<input checked="" type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design	<input type="checkbox"/>	Wafer Bump Site												
<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Data Sheet	<input type="checkbox"/>	Wafer Bump Material												
<input checked="" type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change	<input type="checkbox"/>	Wafer Bump Process												
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Wafer Fab Site												
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Fab Materials												
				<input type="checkbox"/>	Wafer Fab Process												
<b>PCN Details</b>																	
<b>Description of Change:</b>																	
<p>Texas Instruments is pleased to announce the qualification of JCET as an additional Assembly site for the device shown in the product affected section below. Construction differences are as follows:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>What</th> <th>UTAC</th> <th>JCET</th> </tr> </thead> <tbody> <tr> <td>Mount Compound</td> <td>PZ0039</td> <td><a href="#">120402001600</a></td> </tr> <tr> <td>Mold Compound</td> <td>CZ0140</td> <td><a href="#">120903003709</a></td> </tr> <tr> <td>Lead Finish</td> <td>NiPdAu</td> <td>NiPdAu</td> </tr> </tbody> </table>						What	UTAC	JCET	Mount Compound	PZ0039	<a href="#">120402001600</a>	Mold Compound	CZ0140	<a href="#">120903003709</a>	Lead Finish	NiPdAu	NiPdAu
What	UTAC	JCET															
Mount Compound	PZ0039	<a href="#">120402001600</a>															
Mold Compound	CZ0140	<a href="#">120903003709</a>															
Lead Finish	NiPdAu	NiPdAu															
<b>Reason for Change:</b>																	
Continuity of Supply																	
<b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>																	
None																	
<b>Anticipated impact on Material Declaration</b>																	
<input type="checkbox"/>	No Impact to the Material Declaration	<input checked="" type="checkbox"/>	Material Declarations or Product Content reports are driven from production data and will be available following the production release. Upon production release the revised reports can be obtained from the <a href="#">TI Eco-Info website</a> . There is no impact to the material meeting current regulatory compliance requirements with this PCN change.														
<b>Changes to product identification resulting from this PCN:</b>																	
<b>Assembly Site</b>	<b>Assembly Site Origin (22L)</b>	<b>Assembly Country Code (23L)</b>	<b>Assembly City</b>														
UTAC	NSE	THA	Bangkok														
<a href="#">JCET</a>	<a href="#">JCE</a>	<a href="#">CHN</a>	<a href="#">Jiangyin</a>														
Sample product shipping label (not actual product label)																	

 <b>TEXAS INSTRUMENTS</b> MADE IN: Malaysia 2DC: 2Q: MSL '2 /260C/1 YEAR SEAL DT MSL 1 /235C/UNLIM 03/29/04 OPT: ITEM: 39 <b>LBL: 5A (L)T0:1750</b>		(1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY (1T) 7523483SI2 (P) (2P) REV: (V) 0033317 (20L) CS0: SHE (21L) CC0:USA (22L) AS0: MLA (23L) AC0: MYS
<b>Product Affected</b>		
SN74LVC1G3157DRYR		

## Qualification Report

Approve Date 15-Nov-2011

### Qualification Results

Data Displayed as: Number of lots / Total sample size / Total failed

Type	Test Name / Condition	Duration	Qual Device: LVC1G07DRYR	QBS Package Reference: SN1111039
AC	Autoclave 121C	96 Hours	3/231/0	-
HAST	Biased HAST, 130C/ 85%RH	96 Hours	-	3/230/0
HTOL	Life Test, 150C	300 Hours	-	3/231/0
HTSL	High Temp Storage Bake 170C	420 Hours	3/231/0	3/231/0
PD	Physical Dimensions	--	3/15/0	-
TC	Temperature Cycle - 65C/150C	500 Cycles	3/231/0	3/231/0
TS	Thermal Shock -65/150C	500 Cycles	3/230/0	-
UHA	Unbiased HAST	130C/85%RH/96 hours	-	3/231/0

- QBS: Qual By Similarity
- Qual Device LVC1G07DRYR is qualified at LEVEL1-260C

- Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable

- The following are equivalent HTOL options based on an activation energy of 0.7eV : 125C/1k Hours, 140C/480 Hours, 150C/300 Hours, and 155C/240 Hours

- The following are equivalent HTSL options based on an activation energy of 0.7eV : 150C/1k Hours, and 170C/420 Hours

- The following are equivalent Temp Cycle options per JESD47 : -55C/125C/700 Cycles and -65C/150C/500 Cycles

Quality and Environmental data is available at TI's external Web site: <http://www.ti.com/>

Green/Pb-free Status:

Qualified Pb-Free(SMT) and Green

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

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