



**12500 TI Boulevard, MS 8640, Dallas, Texas 75243**

**PCN#20200908000.1**

**Qualification of an additional Mold compound for select devices**

**Change Notification / Sample Request**

**Date:** January 15, 2021

**To:** TOKYO ELECTRON DEVICE (DSTR) PCN

Dear Customer:

This is an announcement of a change to a device that is currently offered by Texas Instruments. The details of this change are on the following pages.

We request you acknowledge receipt of this notification within **30** days of the date of this notice. Lack of acknowledgement of this notice within 30 days constitutes acceptance of the change. If you require samples or additional data to support your evaluation, please request within 30 days.

The proposed first ship date is indicated on page 3 of this notification, unless customer agreement has been reached on an earlier implementation of the change.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

For questions regarding this notice, contact your local Field Sales Representative or the PCN Team ([PCN ww\\_admin\\_team@list.ti.com](mailto:PCN_admin_team@list.ti.com)). For sample requests or sample related questions, contact your field sales representative.

Sincerely,

PCN Team  
SC Business Services

**20200908000.1**  
**Attachment: 1**

**Products Affected:**

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

<b>DEVICE</b>	<b>CUSTOMER PART NUMBER</b>
TL431CLP	null
TLVH431QLPR	null
UA78L05ACLP	null
TL431BILPR	null
TL431CLPM	null
TLVH431ILPR	null
TL431ILPR	null
TL431AILPR	null
TL431CLPE3-J	null
TL431CLPR	null
UA78L05AILP	null
TL431AILP	null
TL431ILP	null
UA78L15ACLP	null
TL431AILPM	null
MC79L15ACLP	null
TL431AILPRE3-J	null
LP2950-33LPRE3	null
MC79L15ACLP	null
UA78L05AILPR	null
TL431CLPME3-J	null
TL431CLP-Z	null
LT1009CLPR	null
MC79L12ACLP	null
UA78L12ACLP	null
LT1009CLP	null
TL431ACLPM	null
UA78L09ACLP	null
TLV431ILPR	null
UA78L09ACLPR	null
LM336BLPR-2-5	null
TL1431CLPR	null
TL431ACLPR	null

Technical details of this Product Change follow on the next page(s).

<b>PCN Number:</b>	20200908000.1			<b>PCN Date:</b>	Jan. 15, 2021						
<b>Title:</b>	Qualification of an additional Mold compound for select devices										
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services								
<b>Proposed 1<sup>st</sup> Ship Date:</b>	Apr. 15, 2021		<b>Estimated Sample Availability:</b>	Date provided at sample request							
<b>Change Type:</b>											
<input 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>											
This PCN is to inform of an additional mold compound qualification for the devices in the product affected section as follows:											
<table border="1"> <thead> <tr> <th>What</th> <th>Current</th> <th>Additional</th> </tr> </thead> <tbody> <tr> <td>Mold Compound</td> <td>SID#R-01 or SID#402042101</td> <td>SID#R-35</td> </tr> </tbody> </table>		What	Current	Additional	Mold Compound	SID#R-01 or SID#402042101	SID#R-35				
What	Current	Additional									
Mold Compound	SID#R-01 or SID#402042101	SID#R-35									
<b>Reason for Change:</b>											
Continuity of supply											
<b>Anticipated impact on Form, Fit, 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 website</a> .								
<b>Changes to product identification resulting from this PCN:</b>											
None											
<b>Product Affected:</b>											
BQ2022ALPR	LM4040D82ILP	TL431BCLP	TLV431ILPR								
BQ2026LPR	LM4040D82ILPR	TL431BCLPR	TLVH431ACLPR								
LM285LP-1-2	LM4041C12ILP	TL431BILP	TLVH431ACLPR								
LM285LP-2-5	LM4041C12ILPR	TL431BILPR	TLVH431AILP								
LM285LPR-2-5	LM4041CILP	TL431BQLP	TLVH431AILPR								
LM285LPRE3-1-2	LM4041CILPR	TL431BQLPM	TLVH431AQLP								
LM317LCLP	LM4041D12ILP	TL431BQLPR	TLVH431AQLPR								
LM317LCLPR	LM4041D12ILPR	TL431CLP	TLVH431BCLP								
LM317LILP	LM4041DILP	TL431CLP-Z	TLVH431BCLPR								
LM317LILPR	LM4041DILPR	TL431CLPE3-J	TLVH431BILP								
LM336BLP-2-5	LP2950-30LP	TL431CLPM	TLVH431BILPR								
LM336BLPR-2-5	LP2950-30LPR	TL431CLPME3-J	TLVH431BQLP								

LM336LP-2-5	LP2950-33LPE3	TL431CLPR	TLVH431BQLPR
LM336LPR-2-5	LP2950-33LPRE3	TL431ILP	TLVH431CLP
LM385BLP-1-2	LP2950-50LPRE3	TL431ILPR	TLVH431CLPR
LM385BLP-2-5	LT1009CLP	TL750L05CLP	TLVH431ILP
LM385BLPR-1-2	LT1009CLPM	TL750L05CLPR	TLVH431ILPR
LM385BLPR-2-5	LT1009CLPR	TL750L08CLP	TLVH431QLP
LM385LP-1-2	LT1009ILP	TL750L10CLP	TLVH431QLPR
LM385LP-2-5	LT1009ILPR	TL750L10CLPR	UA78L02ACLP
LM385LPR-1-2	MC79L05ACLP	TL750L12CLP	UA78L05ACLP
LM385LPR-2-5	MC79L05ACLPR	TL7757CLP	UA78L05ACLPM
LM4040C10ILP	MC79L12ACLP	TL7757CLPR	UA78L05ACLPR
LM4040C10ILPR	MC79L12ACLPR	TL7757ILP	UA78L05AILP
LM4040C20ILP	MC79L12CLP	TL7757ILPR	UA78L05AILPR
LM4040C20ILPR	MC79L15ACLP	TLE2425CLP	UA78L05CLP
LM4040C25ILP	MC79L15ACLPR	TLE2425ILP	UA78L05CLPR
LM4040C25ILPR	SN1102023LP	TLE2426CLP	UA78L06ACLP
LM4040C30ILP	SN1102023LPB	TLE2426CLPR	UA78L06ACLPR
LM4040C30ILPR	TL1431CLP	TLE2426ILP	UA78L08ACLP
LM4040C41ILP	TL1431CLPME3	TLE2426ILPR	UA78L08ACLPE3
LM4040C41ILPR	TL1431CLPR	TLV431ACLP	UA78L08ACLPR
LM4040C50ILP	TL317CLP	TLV431ACLPR	UA78L08ACLPRE3
LM4040C50ILPR	TL317CLPR	TLV431AILP	UA78L09ACLP
LM4040C82ILP	TL317LP	TLV431AILPM	UA78L09ACLPE3
LM4040C82ILPR	TL430CLP	TLV431AILPR	UA78L09ACLPR
LM4040D10ILP	TL431ACLP	TLV431BCLP	UA78L09ACLPRE3
LM4040D20ILPR	TL431ACLP-Z	TLV431BCLPR	UA78L10ACLP
LM4040D25ILP	TL431ACLPM	TLV431BILP	UA78L10ACLPE3
LM4040D25ILPR	TL431ACLPMME3	TLV431BILPR	UA78L10ACLPR
LM4040D30ILP	TL431ACLPR	TLV431BQLP	UA78L12ACLP
LM4040D30ILPR	TL431ACLPRE3	TLV431BQLPR	UA78L12ACLPM
LM4040D41ILP	TL431AILP	TLV431CLP	UA78L12ACLPR
LM4040D41ILPR	TL431AILPM	TLV431CLPR	UA78L15ACLP
LM4040D50ILP	TL431AILPR	TLV431ILP	UA78L15ACLPR
LM4040D50ILPR	TL431AILPRE3-J		

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

Type	Test Name / Condition	Duration	Qual Device: SN1102023LP	Qual Device: TL1431CLP	Qual Device: TLE2426ILP
BHAST	Biased HAST, 130C	96 Hours	-	3/231/0	-
UHAST	Unbiased HAST, 130C	96 Hours	3/231/0	3/231/0	3/231/0
TC	Temperature Cycle, -65C/150C	500 Cycles	3/231/0	3/231/0	3/231/0
HTSL	High Temperature Storage Bake, 170C	420 Hours	3/231/0	3/231/0	3/231/0
ED	Electrical Characterization	Per datasheet specification	-	1/30/0	-
MQ	Manufacturability (Assembly)	Per mfg. site specification	3/PASS	3/PASS	3/PASS
PD	Physical Dimensions	Per mechanical drawing	-	-	3/15/0
PKG	Solder Heat, 260C	10 Seconds	3/66/0	3/66/0	3/66/0
LI	Lead Pull	Leads	-	-	3/84/0
VM	Visual / Mechanical	Per mfg. site specification	-	-	3/984/0
XRAY	X-ray	(top side only)	3/15/0	3/15/0	3/15/0
FLAM	Flammability	Method A - UL94 V-0	-	-	3/PASS
YLD	FTY and Bin Summary	-	3/PASS	3/PASS	3/PASS

- The following are equivalent HTSL options based on an activation energy of 0.7eV: 150C/1000 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.

Location	E-Mail
USA	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
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Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
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