

PCN Number:	20200908000.1A		PCN Date:	June 4, 2021						
Title:	Qualification of an additional Mold compound for select devices									
Customer Contact:	PCN Manager	Dept:	Quality Services							
Proposed 1st Ship Date:	Apr. 15, 2021	Estimated Sample Availability:	Date provided at sample request							
Change Type:										
<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					
PCN Details										
Description of Change:										
<p>Revision A is to announce the <u>addition</u> of new devices that were not included on the original PCN notification. These new devices are highlighted and bolded in the device list below. The expected first shipment date for these new devices will be 90 days from this notice for these newly added devices only.</p> <p>This PCN is to inform of an additional mold compound qualification for the devices in the product affected section as follows:</p>										
<table border="1"> <thead> <tr> <th>What</th> <th>Current</th> <th>Additional</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Mold Compound</td> <td style="text-align: center;">SID#R-01 or SID#402042101</td> <td style="text-align: center;">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								
Reason for Change:										
Continuity of supply										
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):										
None										
Anticipated impact on Material Declaration										
<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 TI ECO website .							
Changes to product identification resulting from this PCN:										
None										
Product Affected:										
BQ2022ALPR	LM4040D82ILP	TL431AILPRE3-J	TLV431CLPE3							
BQ2026LPR	LM4040D82ILPR	TL431BCLP	TLV431CLPR							
LM285LP-1-2	LM4041C12ILP	TL431BCLPE3	TLV431ILP							
LM285LP-2-5	LM4041C12ILPR	TL431BCLPR	TLV431ILPE3							
LM285LPE3-1-2	LM4041CILP	TL431BILP	TLV431ILPR							
LM285LPE3-2-5	LM4041CILPE3	TL431BILPE3	TLVH431ACLPR							
LM285LPR-2-5	LM4041CILPR	TL431BILPR	TLVH431ACLPR							
LM285LPRE3-1-2	LM4041D12ILP	TL431BILPRE3	TLVH431AILP							
LM285LPRE3-2-5	LM4041D12ILPE3	TL431BQLP	TLVH431AILPR							

LM317LCLP	LM4041D12ILPR	TL431BQLPM	TLVH431AQLP
LM317LCLPR	LM4041DILP	TL431BQLPME3	TLVH431AQLPR
LM317LCLPRE3	LM4041DILPR	TL431BQLPR	TLVH431BCLP
LM317LILP	LP2950-30LP	TL431BQLPRE3	TLVH431BCLPR
LM317LILPR	LP2950-30LPR	TL431CLP	TLVH431BILP
LM336BLP-2-5	LP2950-30LPRE3	TL431CLPE3	TLVH431BILPR
LM336BLPE3-2-5	LP2950-33LPE3	TL431CLPE3-J	TLVH431BQLP
LM336BLPR-2-5	LP2950-33LPRE3	TL431CLPM	TLVH431BQLPE3
LM336LP-2-5	LP2950-50LPRE3	TL431CLPME3	TLVH431BQLPR
LM336LPE3-2-5	LT1009CLP	TL431CLPME3-J	TLVH431CLP
LM336LPR-2-5	LT1009CLPE3	TL431CLPR	TLVH431CLPE3
LM385BLP-1-2	LT1009CLPM	TL431CLPRE3	TLVH431CLPR
LM385BLP-2-5	LT1009CLPR	TL431CLP-Z	TLVH431ILP
LM385BLPE3-1-2	LT1009ILP	TL431ILP	TLVH431ILPR
LM385BLPE3-2-5	LT1009ILPR	TL431ILPE3	TLVH431QLP
LM385BLPR-1-2	LT1009ILPRE3	TL431ILPR	TLVH431QLPR
LM385BLPR-2-5	MC79L05ACL P	TL431ILPRE3	UA78L02ACL P
LM385BLPRE3-1-2	MC79L05ACLPE3	TL750L05CLP	UA78L02ACLPE3
LM385LP-1-2	MC79L05ACLPR	TL750L05CLPE3	UA78L05ACL P
LM385LP-2-5	MC79L12ACL P	TL750L05CLPR	UA78L05ACLPE3
LM385LPE3-2-5	MC79L12ACLPE3	TL750L05CLPRE3	UA78L05ACLPM
LM385LPR-1-2	MC79L12ACLPR	TL750L08CLP	UA78L05ACLPE3
LM385LPR-2-5	MC79L12ACLPRE3	TL750L08CLPE3	UA78L05ACLPR
LM385LPRE3-1-2	MC79L12CLP	TL750L10CLP	UA78L05ACLPRE3
LM4040C10ILP	MC79L15ACL P	TL750L10CLPR	UA78L05AILP
LM4040C10ILPR	MC79L15ACLPE3	TL750L12CLP	UA78L05AILPE3
LM4040C20ILP	MC79L15ACLPR	TL7757CLP	UA78L05AILPR
LM4040C20ILPE3	MC79L15ACLPRE3	TL7757CLPE3	UA78L05AILPRE3
LM4040C20ILPR	SN1102023LP	TL7757CLPR	UA78L05CLP
LM4040C25ILP	SN1102023LPB	TL7757ILP	UA78L05CLPE3
LM4040C25ILPR	TL1431CLP	TL7757ILPE3	UA78L05CLPR
LM4040C30ILP	TL1431CLPE3	TL7757ILPR	UA78L06ACL P
LM4040C30ILPE3	TL1431CLPME3	TLE2425CLP	UA78L06ACLPE3
LM4040C30ILPR	TL1431CLPR	TLE2425ILP	UA78L06ACLPR
LM4040C41ILP	TL1431CLPRE3	TLE2426CLP	UA78L06ACLPRE3
LM4040C41ILPR	TL317CLP	TLE2426CLPE3	UA78L08ACL P
LM4040C50ILP	TL317CLPE3	TLE2426CLPR	UA78L08ACLPE3
LM4040C50ILPE3	TL317CLPR	TLE2426ILP	UA78L08ACLPR
LM4040C50ILPR	TL317CLPRE3	TLE2426ILPR	UA78L08ACLPRE3
LM4040C82ILP	TL317LP	TLV431ACL P	UA78L09ACL P
LM4040C82ILPR	TL430CLP	TLV431ACLPE3	UA78L09ACLPE3
LM4040D10ILP	TL430CLPE3	TLV431ACLPR	UA78L09ACLPR
LM4040D20ILPR	TL431ACL P	TLV431AILP	UA78L09ACLPRE3
LM4040D20ILPRE3	TL431ACLPE3	TLV431AILPE3	UA78L10ACL P

LM4040D25ILP	TL431ACLPM	TLV431AILPM	UA78L10ACLPE3
LM4040D25ILPR	TL431ACLPE3	TLV431AILPR	UA78L10ACLPR
LM4040D30ILP	TL431ACLPR	TLV431AILPRE3	UA78L10ACLPRE3
LM4040D30ILPR	TL431ACLPRE3	TLV431BCLP	UA78L12ACLPR
LM4040D30ILPRE3	TL431ACLPR-Z	TLV431BCLPR	UA78L12ACLPE3
LM4040D41ILP	TL431AILP	TLV431BILP	UA78L12ACLPM
LM4040D41ILPE3	TL431AILPE3	TLV431BILPR	UA78L12ACLPR
LM4040D41ILPR	TL431AILPM	TLV431BILPRE3	UA78L15ACLPR
LM4040D50ILP	TL431AILPME3	TLV431BQLP	UA78L15ACLPE3
LM4040D50ILPR	TL431AILPR	TLV431BQLPR	UA78L15ACLPR
LM4040D50ILPRE3	TL431AILPRE3	TLV431CLP	UA78L15ACLPRE3



TI Information
Selective Disclosure

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

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