

### PCN#20200908000.1 Qualification of an additional Mold compound for select devices

### **Change Notification / Sample Request**

Date: January 15, 2021 To: PREMIER FARNELL 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 (<u>PCN ww admin team@list.ti.com</u>). 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.

DEVICE	CUSTOMER PART NUMBER
LP2950-33LPE3	null
TL431ACLP	null
TL431CLP	null
TLE2426ILP	null
LM285LP-1-2	null
LM317LCLPR	null
LM385LP-1-2	null
LP2950-30LP	null
LP2950-33LPRE3	null
LP2950-50LPRE3	null
MC79L12ACLPR	null
TL431ACLPR	null
TL431BCLPR	null
TL7757CLP	null
UA78L02ACLP	null
UA78L12ACLP	null
LM317LCLP	null
LT1009CLP	null
TL431AILPR	null
TL431BQLPR	null
UA78L05CLP	null
LM285LP-2-5	null

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

	N Number:								PCN Date:		Jan. 15,	2021
Titl	Title:         Qualification of an additional Mold compound for select devices											
Cus	stomer Conta	ct:	PCN N	<u>lanager</u>		Dept:	Quality Services					
Proposed 1 <sup>st</sup> Ship Date: Apr. 15			5,	, 2021 Estimated S			Sample Date provided ability: sample reques		•			
Cha	ange Type:											
	Assembly Site					Design				er Bum	•	
	Assembly Pro					Data Sheet			Wafer Bump Material			
	Assembly Ma					Part number change			Wafer Bump Process Wafer Fab Site			
	Mechanical S Packing/Ship			20		Test Site			Wafer Fab Materials			
	Facking/Ship	ping/	Labelli	iy		Test Process			Wafer Fab Process			
						PCN	l Details			.1 1 0 0 1	1000035	
Des	scription of C	hand	ie:				Dettaile					
	ected section a			dditiona	al n	nold com	pound qualificatio	n for				ıct
	Mold C		ound				D#R-01 or		Additional			
	Mola C	omp	ouna			-	#402042101		SID#R-35			
Rea	ason for Char	nge:										
Cor	ntinuity of supp	oly										
Ant	ticipated imp	act o	n For	m, Fit,	Fu	nction,	<b>Quality or Relial</b>	oility	<b>(posi</b> t	tive /	negative)	:
Nor	ne											
Ant	Anticipated impact on Material Declaration											
Material Declaration prod relea			erial Declarations or Product Content reports are driven from duction data and will be available following the production ase. Upon production release the revised reports can be ained from the <u>TI ECO website</u> .									
Changes to product identification resulting from this PCN:												
Nor	None											
Product Affected:												
ВQ	BQ2022ALPR LM4040D82I		[LP	LP TL431BCLP			TLV431ILPR					
ВQ	2026LPR		LM4	LM4040D82ILP		λ	TL431BCLPR		TLVH	LVH431ACLP		
LM	285LP-1-2		LM4	LM4041C12ILP			TL431BILP		TLVH	431ACLPR		
LM	285LP-2-5		LM4041C12ILPR			ł	TL431BILPR		<b>TLVH</b>	431AILF	)	
LM	285LPR-2-5		LM4041CILP			TL431BQLP			TLVH431AILPR		٧R	
LM	285LPRE3-1-2		LM40	)41CILP	R				TLVH431AQLP			
	317LCLP		1	)41D12]					TLVH431AQLPR			
	317LCLPR			)41D12]		R	TL431CLP		TLVH431BCLP			
	317LILP			)41DILP		TL431CLP-Z			TLVH		1	
	317LILPR		1	)41DILP			TL431CLPE3-J		TLVH431BILP			1
	336BLP-2-5			50-30LI			TL431CLPM		TLVH431BILPR			
	336BLPR-2-5			50-30LI			TL431CLPME3-J			431BQL		

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	TL431ACLPME3	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		



Туре	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
TLD	FIT and bill Summary	-	3/PA33	3/FA33	3/PA33

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

- 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	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
WW PCN Team	PCN ww admin team@list.ti.com

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