

PCN Number:	20230918002.1			PCN Date:	September 18, 2023								
Title:	Qualification of CDAT as an alternate Assembly site for select devices												
Customer Contact:	Change Management Team		Dept:	Quality Services									
Proposed 1st Ship Date:	Dec 17, 2023			Sample requests accepted until:	Oct 18, 2023*								
*Sample requests received after Oct 18, 2023 will not be supported.													
Change Type:													
<input checked="" type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design	<input type="checkbox"/>	Wafer Bump Material								
<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Data Sheet	<input type="checkbox"/>	Wafer Bump Process								
<input checked="" type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change	<input type="checkbox"/>	Wafer Fab Site								
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Wafer Fab Material								
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Fab Process								
PCN Details													
Description of Change:													
<p>Texas Instruments Incorporated is announcing the qualification of CDAT as an additional Assembly site for set of devices listed below. Construction differences are as follows:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>JCETC8</th> <th>PHI</th> <th>CDAT</th> </tr> </thead> <tbody> <tr> <td>Mold Compound</td> <td>SID#131010100455</td> <td>4222198</td> <td>4222198</td> </tr> </tbody> </table>							JCETC8	PHI	CDAT	Mold Compound	SID#131010100455	4222198	4222198
	JCETC8	PHI	CDAT										
Mold Compound	SID#131010100455	4222198	4222198										
Reason for Change:													
Supply continuity													
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):													
None													
Impact on Environmental Ratings													
<p>Checked boxes indicate the status of environmental ratings following implementation of this change. If below boxes are checked, there are no changes to the associated environmental ratings.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>RoHS</th> <th>REACH</th> <th>Green Status</th> <th>IEC 62474</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> No Change</td> <td><input checked="" type="checkbox"/> No Change</td> <td><input checked="" type="checkbox"/> No Change</td> <td><input checked="" type="checkbox"/> No Change</td> </tr> </tbody> </table>						RoHS	REACH	Green Status	IEC 62474	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change
RoHS	REACH	Green Status	IEC 62474										
<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change										
Changes to product identification resulting from this PCN:													
Assembly Site	Assembly Site Origin (22L)	Assembly Country Code (23L)	Assembly City										
JCETC8	JC8	CHN	Suqian										
PHI	PHI	PHL	Baguio City										
CDAT	CDA	CHN	Chengdu										
Sample product shipping label (not actual product label)													

TEXAS
INSTRUMENTS
MADE IN: Malaysia
2DC: 29:



MSL 2 /260C/1 YEAR SEAL DT
MSL 1 /235C/UNLIM 03/29/04

OPT:
ITEM: 39
LBL: 5A (L)T0:1750

(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) ACO: MYS

Product Affected:

SN562202DRLR	TLV62568APDRLR	TLV62569APDRLR	TPS562202SDRLR
SN562207DRLR	TLV62568APDRLT	TLV62569APDRLT	TPS562207DRLR
SN562231DRLR	TLV62568DRLR	TLV62569DRLR	TPS562207SDRLR
SN562231DRLT	TLV62568DRLT	TLV62569DRLT	TPS563207DRLR
SN563207DRLR	TLV62568PDRLR	TLV62569PDRLR	TPS563207SDRLR
SN563232DRLR	TLV62568PDRLT	TLV62569PDRLT	TPS563231DRLR
TLV62568ADRLR	TLV62569ADRLR	TPS562202DRLR	TPS563231DRLT
TLV62568ADRLT	TLV62569ADRLT		



TI Information
Selective Disclosure

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: TPS562231DRLR
ED	Electrical Characterization, side by side	(per datasheet)	Pass
FLAM	Flammability (UL-1694)	-	3/15/0
HAST	Biased HAST, 130C/85%RH	96 Hours	3/231/0
HTOL	Life Test, 125C	1000 Hours	3/231/0
HTSL	High Temp Storage Bake 170C	420 Hours	3/231/0
LFA	Lead Finish Adhesion	Leads	3/45/0
LI	Lead Fatigue	Leads	3/54/0
LI	Lead Pull	Leads	3/72/0
MQ	Manufacturability (Assembly)	(per mfg. Site specification)	Pass
PD	Physical Dimensions	(per mechanical drawing)	3/15/0
SA	Salt Atmosphere	24 Hrs	3/66/0
SD	Solderability	Pb Free	3/66/0
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0
UHAST	Unbiased HAST 130C/85%RH	96 Hours	3/231/0
VM	Visual / Mechanical	-	3/984/0

- Qual Device TPS562231DRLR is qualified at LEVEL1-260CG
- 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

TI Qualification ID: 20200213-132963

Change Number: C2004305

For questions regarding this notice, e-mails can be sent to Change Management team or your local Field Sales Representative.

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