










PCN Number:	20201202001.1A		PCN Date:	Mar 10, 2021								
Title:	Qualification of CDAT as an alternate AT site for Select Devices											
Customer Contact:	PCN Manager	Dept:	Quality Services									
Proposed 1st Ship Date:	Mar. 2, 2021	Estimated Sample Availability:	Date provided at sample request									
Change Type:												
<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"/>		<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>Texas Instruments Incorporated is announcing the qualification of CDAT as an additional AT site for the list of devices shown below. Construction differences are as follows.</p>												
<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th style="width: 33%;">What</th> <th style="width: 33%;">Clark</th> <th style="width: 33%;">CDAT</th> </tr> </thead> <tbody> <tr> <td>Mold Compound</td> <td>4222790</td> <td>4223495</td> </tr> </tbody> </table>					What	Clark	CDAT	Mold Compound	4222790	4223495		
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Mold Compound	4222790	4223495										
Reason for Change:												
Supply continuity												
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 at the site link below http://www.ti.com/quality/docs/materialcontentsearch.tsp									
Changes to product identification resulting from this PCN:												
Assembly Site	Assembly Site Origin (22L)	Assembly Country Code (23L)	Assembly City									
CLARK	QAB	PHL	Angeles City, Pampanga									
CDAT	CDA	CHN	Chengdu									
Sample product shipping label (not actual product label)												
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; vertical-align: top;">  TEXAS INSTRUMENTS MADE IN: Malaysia 2DC: 2Q: <table border="1" style="font-size: small;"> <tr> <td>MSL 2 /260C/1 YEAR</td> <td>SEAL DT</td> </tr> <tr> <td>MSL 1 /235C/UNLIM</td> <td>03/29/04</td> </tr> </table> OPT: ITEM: 39 LBL: 5A (L)T0:1750 </td> <td style="width: 10%; text-align: center; vertical-align: middle;">  </td> <td style="width: 20%; text-align: center; vertical-align: middle;">  </td> <td style="width: 45%; vertical-align: top;"> (1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY (1T) 7523483SI2 (P) (2P) REV: (V) 0033317 (20L) CSO: SHE (21L) CCO:USA (22L) ASO: MLA (23L) ACO: MYS </td> </tr> </table>					 TEXAS INSTRUMENTS MADE IN: Malaysia 2DC: 2Q: <table border="1" style="font-size: small;"> <tr> <td>MSL 2 /260C/1 YEAR</td> <td>SEAL DT</td> </tr> <tr> <td>MSL 1 /235C/UNLIM</td> <td>03/29/04</td> </tr> </table> OPT: ITEM: 39 LBL: 5A (L)T0:1750	MSL 2 /260C/1 YEAR	SEAL DT	MSL 1 /235C/UNLIM	03/29/04			(1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY (1T) 7523483SI2 (P) (2P) REV: (V) 0033317 (20L) CSO: SHE (21L) CCO:USA (22L) ASO: MLA (23L) ACO: MYS
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MSL 2 /260C/1 YEAR	SEAL DT											
MSL 1 /235C/UNLIM	03/29/04											

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Product Affected:			
SN62825DMQR	TPS6282518DMQT	TPS6282618DMQR	TPS62826DMQT
SN62826DMQR	TPS62825DMQR	TPS6282618DMQT	TPS62827DMQR
SN62827DMQR	TPS62825DMQT	TPS62826DMQR	TPS62827DMQT
TPS6282518DMQR			



TI Information
Selective Disclosure

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device TPS6282xDMQ	Qual Device: TPS62903RPJR
HAST	Biased HAST, 130C/85%RH	96 hours	QBS	3/231/0
HBM	ESD - HBM	2000V	1/3/0	
HTOL	Life Test, 150C	300 hours	1/77/0	
HTSL	High Temp Storage Bake 150C	1000 hours	QBS	1/77/0
LU	Latch-up	85C	1/6/0	
SD	Solderability test	4 hours / 155C aging	1/22/0	
TC	Temperature Cycle, -65/150C	500 cycles	3/231/0	
UHASt	Unbiased HAST 130C/85%RH	96 hours	3/231/0	

- QBS: Qual By Similarity
 - Qual Device TPS6282xDMQ 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

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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