










PCN Number:	20210713002.1		PCN Date:	August 12, 2021				
Title:	Qualification of CDAT as an additional Assembly site for the TPS61022RWUR							
Customer Contact:	PCN Manager	Dept:	Quality Services					
Proposed 1st Ship Date:	Nov 12, 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"/> Wafer Fab Process						
PCN Details								
Description of Change:								
Texas Instruments is pleased to announce the qualification of CDAT as an additional assembly site for the TPS61022RWUR. Current assembly site and Material differences are as follows:								
	Clark	CDAT						
Mold Compound	4208625	4222198						
Reason for Change:								
Continuity of Supply								
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):								
None								
Impact on Environmental Ratings								
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.								
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					
Clark	QAB	PHL	Angeles City, Pampanga					
CDAT	CDA	CHN	Chengdu					
Sample product shipping label (not actual product label)								
<table border="0"> <tr> <td style="vertical-align: top;">  TEXAS INSTRUMENTS MADE IN: Malaysia 2DC: 20: MSL 2 /260C/1 YEAR SEAL DT MSL 1 /235C/UNLIM 03/29/04 OPT: ITEM: 39 LBL: 5A (L)TO:1750 </td> <td style="vertical-align: top; text-align: center;">  G4 </td> <td style="vertical-align: top; text-align: center;">  </td> <td style="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: 20: MSL 2 /260C/1 YEAR SEAL DT MSL 1 /235C/UNLIM 03/29/04 OPT: ITEM: 39 LBL: 5A (L)TO:1750	 G4		(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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Product Affected:	
TPS61022RWUR	



TI Information
Selective Disclosure

Qualification Report

Approve Date 6-Jul-2021

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: <u>TPS61022RWU</u>	QBS Product Reference: <u>TPS61022RWU</u>	QBS Product Reference: <u>TPS61022RWU</u>	QBS Product Reference: <u>TPS61022RWU (PG1.0)</u>	QBS Package Reference: <u>TPS51393RJE</u>
ED	Electrical Characterization	Per Datasheet Parameters	1/30/0	1/30/0	1/30/0	1/30/0	1/30/0
HBM	ESD - HBM	3000 V	-	1/3/0	1/3/0	3/9/0	-
CDM	ESD - CDM	1000 V	-	1/3/0	1/3/0	3/9/0	-
LU	Latch-up	(per JESD78)	-	1/6/0	1/6/0	3/18/0	-
HTOL	Life Test, 125C	1000 Hours	-	-	1/77/0	3/231/0	3/231/0
ELFR	Early Life Failure Rate, 125C	48 Hours	-	-	-	1/800/0	-
HTSL	High Temp Storage Bake 170C	420 Hours	-	-	-	3/231/0	3/231/0
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	-	3/231/0	3/231/0
UHAST	Unbiased HAST 130C/85%RH	96 Hours	1/77/0	-	-	3/231/0	3/231/0
TC	Temperature Cycle, -55/125C	700 Cycles	3/231/0	-	-	3/231/0	3/231/0

- QBS: Qual By Similarity

- Qual Device TPS61022RWU is qualified at LEVEL2-260C

- 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 JESD4-: -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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