




PCN Number:	20231004005.1		PCN Date:	October 06, 2023	
Title:	Qualification of CARZ as an alternate Assembly site for select devices				
Customer Contact:	Change Management team	Dept:	Quality Services		
Proposed 1st Ship Date:	Jan 3, 2024	Sample Requests accepted until:	Nov 5, 2023*		
*Sample requests received after Nov 5, 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:					
Texas Instruments Incorporated is announcing the qualification of CARZ as an additional Assembly site for the devices listed below. Construction differences between the 2 sites are as follows:					
		CDAT	CARZ		
Mount Compound		4207123	SID#435143		
Reason for Change:					
Supply continuity					
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		
CDAT	CDA	CHN	Chengdu		
CARZ	CSZ	CHN	Jiangsu		
Sample product shipping label (not actual product label)					
  					
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)T0:1750					
(1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY (1T) 7523483SI2 (P) (2P) REV: (V) 0033317 (20L) CSQ: SHE (21L) CCO:USA (22L) ASO: MLA (23L) ACO: MYS					

Product Affected:			
TPS259520DSGR	TPS259530DSGR	TPS259535DSGR	TPS259570DSGR
TPS259520DSGT	TPS259530DSGT	TPS259535DSGT	TPS259570DSGT
TPS259521DSGR	TPS259531DSGR	TPS259540DSGR	TPS259571DSGR
TPS259521DSGT	TPS259531DSGT	TPS259540DSGT	TPS259571DSGT
TPS259525DSGR	TPS259533DSGR	TPS259541DSGR	TPS259573DSGR
TPS259525DSGT	TPS259533DSGT	TPS259541DSGT	TPS259573DSGT



TI Information
Selective Disclosure

Qualification Report
Approve Date 14-August-2023

Qualification Results

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

Type	#	Test Name	Condition	Duration	Qual Device: TPS259570DSGR	Qual Device: TPS259535DSGR	Qual Device: TPS259573DSGR	QBS Reference: TPS61021DSGR
HAST	A2	Biased HAST	110C/85%RH	264 Hours	-	-	-	3/231/0
HAST	A2	Biased HAST	130C/85%RH	96 Hours	1/77/0	-	-	-
UHAST	A3	Unbiased HAST	130C/85%RH	96 Hours	1/77/0	-	-	3/231/0
TC	A4	Temperature Cycle	-65C/150C	500 Cycles	3/231/0	-	-	3/231/0
HTSL	A6	High Temperature Storage Life	170C	420 Hours	1/77/0	-	-	1/45/0
HTOL	B1	Life Test	125C	1000 Hours	-	-	-	1/77/0
ELFR	B2	Early Life Failure Rate	125C	48 Hours	-	-	-	1/800/0
CHAR	E5	Electrical Characterization	Per Datasheet Parameters	-	1/30/0	-	-	-
FTY	E6	Final Test Yield	-	-	Pass	Pass	Pass	-

- QBS: Qual By Similarity
- Qual Device TPS259570DSGR is qualified at MSL2 260C
- Qual Device TPS259535DSGR is qualified at MSL2 260C
- Qual Device TPS259573DSGR is qualified at MSL2 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 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/>

TI Qualification ID: R-CHG-2306-010

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

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF

MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale (www.ti.com/legal/termsofsale.html) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.