



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN#20230502000.1
Qualification of CARZ as an alternate Assembly site for the DAC7551IDRNR/T
Change Notification / Sample Request

Date: May 04, 2023
To: TOKYO ELECTRON DEVICE (DSTR) 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.

Texas Instruments requires acknowledgement of 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 additional data is required, requests must be received within **30 days** of this notification.

The changes discussed within this PCN will not take effect any earlier than the proposed first ship date 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 or to provide acknowledgement of this PCN, you may contact your local Field Sales Representative or the PCN Team (PCN_ww_admin_team@list.ti.com). For sample requests or sample related questions, contact your local Field Sales Representative.

Sincerely,

PCN Team
SC Business Services

20230502000.1
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
DAC7551IDRNT	null
DAC7551IDRNR	null

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

PCN Number:	20230502000.1		PCN Date:	May 04, 2023	
Title:	Qualification of CARZ as an alternate Assembly site for the DAC7551IDRNR/T				
Customer Contact:	PCN Manager	Dept:	Quality Services		
Proposed 1st Ship Date:	Aug 1, 2023	Sample Requests accepted until:	June 2, 2023		
*Sample requests received after June 2, 2023 will not be supported.					
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 Incorporated is announcing the qualification of CARZ as an additional Assembly site for the DAC7551IDRNR/T. Construction differences are as follows:					
		AP3		CARZ	
	Mount Compound	SID#101319028		SID#443156	
	Mold Compound	SID#101375248		SID#444567	
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		
AP3	AP3	PHL	Binan		
CARZ	CSZ	CHN	Jiangsu		
Sample product shipping label (not actual product label)					


TEXAS INSTRUMENTS
 MADE IN: Malaysia
 2DC: 29:


G4



(1P) SN74LS07NSR
(Q) 2000
(31T) LOT: 3959047MLA
(4W) TKY (1T) 7523483SI2

G4: NiPdAu
G3: Matte Sn

MSL 2 /260C/1 YEAR SEAL DT
 MSL 1 /235C/UNLIM 03/29/04
 OPT:
 ITEM: 39
LBL: 5A (L)T0:1750

(P)
 (2P) REV: (V) 0033317
 (20L) CSO: SHE (21L) CCO:USA
 (22L) ASO: MLA (23L) ACO: MYS

Product Affected:

DAC7551IDRNR	DAC7551IDRNT
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TI Information
Selective Disclosure

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

Type	Test Name / Condition	Duration	QBS Product/Process/Package Reference: DAC7551ZTDRNRQ1	QBS Process Reference: DAC7551TDRNRQ1
PC	Preconditioning Level 2	Level 2-260C	3/1464/0	1/255/0
ED	Electrical Distributions	Per Datasheet Parameters	3/90/0	1/30/0
HAST	Biased HAST, 110C/85%RH	264 Hours	3/231/0	-
HAST	Biased HAST, 130C/85%RH	96 Hours	-	1/77/0
AC	Autoclave 121C	96 Hours	3/231/0	1/85/0
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0	-
HTSL	High Temp Storage Bake 150C	1000 Hours	1/77/0	-
HTOL	Life Test, 125C	1000 Hours	1/77/0	-
HTOL	Life Test, 125C	408 Hours	2/154/0	1/77/0
ELFR	Early Life Failure Rate, 125C	48 Hours	-	1/800/0
HBM	ESD - HBM	2000 V	-	1/3/0
HBM	ESD - HBM	4000 V	1/3/0	-
CDM	ESD - CDM	750 V	-	1/3/0
CDM	ESD - CDM	1500 V	1/3/0	-
LU	Latch-up	(per JESD78)	1/6/0	1/6/0
PD	Physical Dimensions	Cpk>1.67	3/30/0	1/30/0
SD	Surface Mount Solderability	Pb	1/15/0	1/22/0
SD	Surface Mount Solderability	Pb Free	1/15/0	1/22/0
WBP	Wire Bond Pull	Wires	3/90/0	1/30/0
WBS	Wire Bond Shear	Wires	3/90/0	1/30/0

- QBS: Qual By Similarity
 - Qual Device DAC7551IDRNR 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 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: 20200811-135710

For questions regarding this notice, e-mails can be sent to the contacts shown below or your local Field Sales Representative.

Location	E-Mail
WW Change Management Team	PCN_ww_admin_team@list.ti.com

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