


PCN Number:	20221020002.1		PCN Date:	October 21, 2022	
Title:	Qualification of CDAT as an alternate Assembly site for select devices				
Customer Contact:	PCN Manager	Dept:	Quality Services		
Proposed 1st Ship Date:	Jan 19, 2023	Sample Requests accepted until:	Nov 21, 2022*		
*Sample requests received after Nov 21, 2022 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 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 CDAT as an additional Assembly site for set of devices listed below. There are no construction differences between the two sites					
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		
TI Clark	QAB	PHL	Angeles City, Pampanga		
CDAT	CDA	CHN	Chengdu		
Sample product shipping label (not actual product label)					
<p> 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 </p> <p> G4 </p> <p> (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 </p>					

Product Affected:				
SN2001088YBGR	TMP117AIYBGR	TMP117MAIYBGR	TMP117NAIYBGR	
			TI Information Selective Disclosure	

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

Type	Test Name / Condition	Duration	Qual Device: TMP117AIYBG	QBS Product Reference: TMP117AIDRV
HTOL	Life Test, 150C	300 Hours	-	3/231/0
HAST	Biased HAST, 130C/85%RH	96 Hours	3/231/0	-
UHAST	Unbiased HAST 130C/85%RH	96 Hours	3/231/0	-
TC	Temperature Cycle, -40/125C	850 Cycles	3/231/0	-
HTSL	High Temp Storage Bake 170C	420 Hours	3/231/0	-
HBM	ESD - HBM	4000 V	1/3/0	1/3/0
CDM	ESD - CDM	1500 V	1/3/0	-
LU	Latch-up	(per JESD78)	1/6/0	1/6/0
ED	Electrical Characterization	Per Datasheet Parameters	1/30/0	1/30/0

- Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable

Note: Approved conditionally pending completion of TMCL (850 cycles).

- 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: 20180502-125693

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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