PCN	Numl	ber:	202	1071	3000.	1						PCN D	ate:	Jul 15 2021	
Title: Qualification of CDAT as an alternate AT site for the TPS22964CYZPR/T															
Customer Contact: PCN Manager Dept: Quality Services															
Droi						15 2			Estima						
Proposed 1 st Ship Date: Oct 15 2021 Availability: Date provided at sample request															
	nge Ty						٦					1 101 6			
Assembly Site Design Wafer Bump Site															
Assembly Process				╁	Data Sheet					Wafer Bump Material Wafer Bump Process					
Assembly Materials Machanical Specification				1	Part number change Test Site						Wafer Fab Site				
Mechanical SpecificationPacking/Shipping/Labeling				╁╘	Test Process			Ħ			Materials				
											Wafer Fab Process				
PCN Details															
Description of Change:															
Texas Instruments Incorporated is announcing the qualification of CDAT as an additional Assembly site for the TPS22964CYZPR/T. There are no construction differences between the 2 sites.															
Rea	son fo	r Chan	ge:												
Reason for Change: Supply continuity															
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):															
None	е														
		ed impa													
No Impact to the Material Declaration Material Declaration Material Declaration 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.ts							ing the revised								
Changes to product identification resulting from this PCN:															
As	sembly	Site	Asse	embly	Site 0	rigin	(22L) /	ssemb	y Country (Code	(23	3L)	Ass	sembly City	
CLARK QAB					PHL				Aı	Angeles City, Pampanga					
CDAT CDA			ı			CHN				C	Chengdu				
Sample product shipping label (not actual product label) TEXAS INSTRUMENTS MADE IN: Malaysia 2DC: 2q: MSL 2 /260C/1 YEAR SEAL DT MSL 1 /235C/UNLIM 03/29/04 OPT: ITEM: 39 LBL: 5A (L)T0:1750 Product Affected: (1P) \$N74L\$07N\$R (Q) 2000 (D) 0336 (31T)LOT: 3959047MLA (4W) TKY(1T) 7523483S12 (P) (2P) REV: (V) 0033317 (20L) CS0: SHE (21L) CC0: USA (22L) ASO: MLA (23L) ACO: MYS															
			:	1.											
II TPS	229640	YZPR		I TP	522964	1CY7	PΤ	I							



Approve Date 19-May-2021

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

Туре	Test Name / Condition	Duration	Qual Device: TPS22964CYZPR	QBS Product Reference: TPS22964CYZPR
CDM	ESD - CDM	250 V	-	1/3/0
ED	Electrical Characterization.	Per Datasheet Parameters	1/Pass	1/Pass
HAST	Biased HAST, 130C/85%RH	96 Hours	3/231/0	-
HBM	ESD - HBM	1000 V	-	1/3/0
LU	Latch-up	(per JESD78)	-	1/6/0
SBS	Solder Ball Shear	Solder/Ball	3/108/0	-
SD	Pb Free Surface Mount Solderability	Pb Free/Solder-	3/30/0	-
TC	Temperature Cycle, -55/125C	700 Cycles	3/231/0	-
UHAST	Unbiased HAST 130C/85%RH	96 Hours	3/231/0	-

- QBS: Qual B Similarity
- Qual Device TPS22964CYZPR is qualified at LEVEL1-260C
- 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

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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