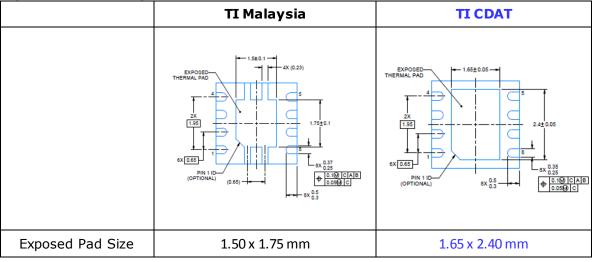
PCI	N Nur	nber:	20230719001.1							PCN Da	ite: July 27, 2023	
Titl	Title: Qualification of TI CDAT as an alternate Assembly site for select devices											
Customer Contact: Change Mar				nagement team Dept: Q			Qu	Quality Services				
Pro	Proposed 1st Ship Date: Oct 2				27, 2023 Sample R accept				equests Aug 27, 2023*			
*Sa	*Sample requests received after Aug 27, 2023 will not be supported.											
Change Type:												
\boxtimes	Assembly Site					Design				Wafer Bump Material		
	Assembly Process					Data Sheet				Wafer Bump Process		
\boxtimes	Assembly Materials					Part number change			r Fab	ab Site		
	Mechanical Specification					Test Site				Wafer Fab Material		
\boxtimes	□ Packing/Shipping/Labeling					Test Process				Wafer Fab Process		
	PCN Details											
Des	Description of Change:											

Texas Instruments Incorporated is announcing the qualification of TI CDAT as an additional Assembly site for set of devices listed below. Construction differences are as follows:

	TI Malaysia	TI CDAT		
Mount Compound	4205846	4207123		
Mold Compound	4208625	4222198		

Package outline drawing:



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
☑ No Change	☑ No Change		⊠ No Change

Changes to product identification resulting from this PCN:

Assembly Site	Assembly Site Origin (22L)	Assembly Country Code (23L)	Assembly City		
TI Malaysia	MLA	MYS	Kuala Lumpur		
TI CDAT	CDA	CHN	Chengdu		

Sample product shipping label (not actual product label)



(1P) \$N74L\$07N\$R (Q) 2000 (D) 0336 (31T)LOT: 3959047MLA (4W) TKY(1T) 7523483\$I2 (P) (2P) REV: (V) 0033317 (20L) CSO: SHE (21L) CCO:USA (22L) ASO: MLA (23L) ACO: MYS

TTEM: 5A (L)TO:1750

Product Affected:

TPS61042DRBR TPS61042DRBT TPS61043DRBR TPS61043DRBT

Qualification Report

Qualification Results

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

Туре		Test Name	Condition	Duration	Qual Device: TPS61042DRBR	Qual Device: TPS61043DRBR	Qual Device: TPS61042DRBR	QBS Reference: TPA2010D1YZFR	QBS Reference: LM2775QDSGRQ1	QBS Reference: BQ294504DRVR	QBS Reference: TPS53641RSBR
HAST	A2	Biased HAST	130C/85%RH	96 Hours	-	-	-	3/231/0	3/231/0	3/231/0	-
UHAST	АЗ	Autoclave	121C/15psig	96 Hours	-	-	-	-	3/231/0	3/231/0	3/231/0
UHAST	A3	Unbiased HAST	130C/85%RH	96 Hours	-	-	-	3/231/0	-	-	-
TC	A4	Temperature Cycle	-55/125C	700 Cycles	-	-	-	3/231/0	-	-	-
TC	A4	Temperature Cycle	-65C/150C	500 Cycles	-	-	-	-	3/231/0	3/231/0	3/231/0
HTSL	A6	High Temperature Storage Life	170C	420 Hours	-	-	-	3/231/0		-	3/231/0
HTSL	A6	High Temperature Storage Life	175C	500 Hours	-	-	-	-	3/135/0	-	-
HTOL	B1	Life Test	125C	1000 Hours	-	-	-	-	3/231/0	-	-
HTOL	B1	Life Test	150C	300 Hours	-	-	-	3/231/0	-	-	-
WBS	C1	Ball Shear	76 balls, 3 units min	Wires	-	-	-	-	-	-	3/228/0
WBP	C2	Bond Pull	76 Wires, 3 units min	Wires	-	-	-	-	-	-	3/228/0
SD	СЗ	PB Solderability	Precondition w.155C Dry Bake (4 hrs +/- 15 minutes)	-	-	-	-		1/15/0	-	-
SD	СЗ	PB-Free Solderability	Precondition w.155C Dry Bake (4 hrs +/- 15 minutes)	-					1/15/0		
PD	C4	Physical Dimensions	(per mechanical drawing)	-	•	-	-	3/15/0	3/30/0	•	•
CHAR	E5	Electrical Characterization	Per Datasheet Parameters	-	1/30/0	1/30/0	1/30/0	3/90/0	3/90/0	•	•

QBS: Qual By Similarity

Qual Device TPS61042DRBR is qualified at MSL2 260C

Qual Device TPS61043DRBR is qualified at MSL2 260C

Qual Device TPS61042DRBR 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

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

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