								_					
PCN Number:		20181113000.1A									Dec 18, 2018		
Title:	Title: Qualification of CDAT as an additional Assembly/Test site for select devices in the QFN package												
			N Manag	<u>er</u>			Dept:		(	Qual	ity Se	ervices	
Proposed 1 <sup>st</sup> Ship Date			Feb 16, 2019			Estimated Sample Availability:		-	Date Provided at Sample request				
Change T	Change Type:												
	mbly Site	Design				Wa				Wat	fer Bump Site		
	mbly Process					Data Sheet				Wafer Bump Material			
	mbly Materials					Part number change					Wafer Bump Process		
	anical Specific					Test Site					Wafer Fab Site		
	ng/Shipping/L					est Proces	SS				Wafer Fab Materials		
	<u> </u>									Wat	fer Fab Process		
					P	CN Deta	ils		•				
Descripti	on of Change	:											
Revision A is to correct the CDAT Mount compound reference number in the description of change section. Changes are indicted in yellow highlight below.  Texas Instruments is pleased to announce the qualification of CDAT as additional Assembly and Test Site for Select Devices listed in the "Product Affected" Section. Current assembly sites and Material differences are as follows.      UTL1   TI Clark (DRV6 Only)   CDAT     Mount compound   SID#PZ0031   4207768   4207123 4208625     Test coverage, insertions, conditions will remain consistent with current testing and verified with test MQ.													
Reason for	or Change:												
Continuity of Supply													
Anticipated impact on Material Declaration													
	No Impact to the Material Declaration  Material Declaration  Material Declaration  Material Declarations or Product Content reports are driven from production data and will be available following the production release. Upon production release the revised reports can be obtained from the TI Eco-Info website. There is no impact to the material meeting current regulatory compliance requirements with this PCN change.					ng the production ed reports can be re is no impact to the							
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):													
None													

# Changes to product identification resulting from this PCN:

Assembly Site	Assembly Site Origin (22L)	Assembly Country Code (21L)	Assembly City
UTAC	NSE	THA	Bangkok
TI Clark	QAB	PHL	Angeles City, Pampanga
CDAT	CDA	CHN	Chengdu

Sample product shipping label (not actual product label)



MSL 2 /260C/1 YEAR SEAL DT MSL 1 /235C/UNLIM 03/29/04

OPT: ITEM: (L)T0:1750



(1P) SN74LS07NSR (31T)LOT: 3959047MLA (4W) TKY(1T) 7523483SI2 (P) (2P) REV:

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

## **Product Affected:**

BQ24045DSQR	BQ24308DSGT	TPS2553DRVR-1	UCC27201ADRMT	
BQ24045DSQT	TPS2552DRVR	TPS2553DRVT-1	UCC27201DRMR	
BQ24308DSGR	TPS2552DRVT	UCC27201ADRMR	UCC27201DRMT	



TI Information Selective Disclosure

# **Qualification Report**

#### Approve Date 12-Nov-2018

## Qualification Results

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

			Qual Device:	QBS Package Reference:	QBS Package Reference:	QBS Package Reference:	
Туре	Test Name / Condition	Duration	UCC27201ADRMR	BQ24196RGER	TP \$2373-4	TPS62140RGTR	
AC	Autoclave 121C	96 Hours	-	3/231/0	3/231/0	3/231/0	
FLAM	Flammability (UL 94V-0)	Method A/UL 94V-0	-	-	3/15/0	-	
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	3/231/0	-	
HTOL	Life Test, 140C	480 Hours	-	-	1/77/0	-	
HTSL	High Temp Storage Bake 170C	420 Hours	-	-	3/231/0	-	
MSL	Thermal Path Integrity	Level 1-260C	3/36/0	-	-	-	
MSL	Thermal Path Integrity	Level 2-260C		3/36/0	3/35/0	3/36/0	
TC	Temperature Cycle, -65/150C	500 Cycles	-	3/231/0	3/231/0	3/231/0	
WBP	Bond Pull	Wires	3/228/0	3/228/0	3/228/0	3/228/0	
WBS	Ball Bond Shear	Wires	3/228/0	3/228/0	3/228/0	3/228/0	

- QBS: Qual By Similarity Qual Device UCC27201ADRMR is qualified at LEVEL1-260CG
- Qual Device UCC27201ADRMR is qualified at LEVEL1-260CG
   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 regional contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com