

PCN Number:	20220719000.1	PCN Date:	July 21, 2022
Title:	Qualification of RFAB as an additional Fab site option for select LBC7 devices		
Customer Contact:	PCN Manager	Dept:	Quality Services
Proposed 1st Ship Date:	Oct 21, 2022	Sample requests accepted until:	August 21, 2022*

***Sample requests received after August 21, 2022 will not be supported.**

Change Type:

<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Assembly Materials
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification	<input type="checkbox"/>	Mechanical Specification
<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material	<input type="checkbox"/>	Wafer Bump Process
<input checked="" type="checkbox"/>	Wafer Fab Site	<input checked="" type="checkbox"/>	Wafer Fab Materials	<input type="checkbox"/>	Wafer Fab Process
		<input type="checkbox"/>	Part number change		

Notification Details

Description of Change:

Texas Instruments is pleased to announce the qualification of its RFAB fabrication facility as an additional Wafer Fab source for the selected devices listed in the "Product Affected" section.

Current Fab Site			Additional Fab Site		
Current Fab Site	Process	Wafer Diameter	New Fab Site	Process	Wafer Diameter
MIHO8	LBC7	200 mm	RFAB	LBC7	300 mm

Qual details are provided in the Qual Data Section.

Reason for Change:

Continuity of supply

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

None

Changes to product identification resulting from this PCN:

Fab Site Information:

Chip Site	Chip Site Origin Code (20L)	Chip Site Country Code (21L)	Chip Site City
MIHO8	MH8	JPN	Ibaraki
RFAB	RFB	USA	Richardson

Sample product shipping label (not actual product label)

(1P) SN74LS07NSR
 (Q) 2000 (D) 0336
 (31T) LOT: 3959047MLA
 (4W) TKY (1T) 7523483SI2
 (P)
 (2P) REV: (V) 0053317
 (20L) CSO: SHE (21L) CO: USA
 (22L) ASO: MLA (23L) ACO: MYS

Product Affected:

UCC28064ADR	UCC28064ADT	UCC28065DR	UCC28065DT
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Qualification Report

Approve Date 07-Jul-2022

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: UCC28064AD	Qual Device: UCC28065D	QBS Product Reference: UCC28063D	QBS Package Reference: ADS1131IDR	QBS Package Reference: LM358DR	QBS Package Reference: TL494IDR	QBS Package Reference: UCC28061DR	QBS Package Reference: RC4558DR
AC	Autoclave 121C	96 Hours	-	-	-	3/231/0	1/77/0	3/231/0	3/231/0	3/231/0
CDM	ESD - CDM	1500 V	1/3/0	1/3/0	1/3/0	-	-	-	-	-
ED	Electrical Characterization	Per Datasheet Parameters	1/30/0	1/30/0	1/30/0	-	1/30/0	1/30/0	-	-
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	-	-	1/77/0	3/229/0	-	-
HBM	ESD - HBM	4000 V	1/3/0	1/3/0	-	-	-	-	-	-
HTOL	HTOL	130C (130, 390, 780)	-	-	1/77/0	-	-	-	-	-
HTSL	High Temp Storage Bake 170C	420 Hours	-	-	-	3/231/0	1/77/0	3/231/0	3/231/0	3/231/0
LU	Latch-up	(per JESD78)	1/6/0	1/6/0	1/6/0	-	-	-	-	-
TC	Temperature Cycle, -65/150C	500 Cycles	1/77/0	-	1/77/0	3/231/0	3/231/0	3/231/0	1/30/0	3/231/0

- QBS: Qual By Similarity

- Qual Device UCC28064AD is qualified at LEVEL1-260CG

- Qual Device UCC28065D 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 contact 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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