

PCN Number:	20220722000.1	PCN Date:	July 22, 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 22, 2022	Sample requests accepted until:	August 22, 2022*

***Sample requests received after August 22, 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 RFAB as an additional fab site 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)

Product Affected:

TPS62I31RGTT

Qualification Report

Approve Date 28-December-2020

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: BQ24095DGQR	Qual Device: SN1703013RHLR	Qual Device: TPS2553DBVR	Qual Device: TPS546C20RVFR	Qual Device: TPS62085RLTR	Qual Device: TPS62130ARGTR	QBS Process Reference: TPS3703C7500DSERQ1
HTOL	Life Test, 125C	1000 Hours	-	-	-	-	-	-	3/231/0
HTSL	High Temp Storage Bake 170C	420 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, - 65/150C	500 Cycles	-	-	-	-	-	-	3/231/0
HBM	ESD - HBM	V	1/3/0 (3000V)	1/3/0 (2000V)	1/3/0 (2000V)	1/3/0 (2000V)	1/3/0 (2000V)	1/3/0 (2000V)	1/3/0
CDM	ESD - CDM	V	1/3/0 (1500V)	1/3/0 (500V)	1/3/0 (500V)	1/3/0 (500V)	1/3/0 (500V)	1/3/0 (500V)	1/3/0
LU	Latch-up	(per JESD78)	1/6/0	1/6/0	1/6/0	1/6/0	1/6/0	1/6/0	1/6/0
ED	Electrical Distributions	Per Datasheet Parameters	1/30/0	1/30/0	1/30/0	1/30/0	1/30/0	1/30/0	3/90/0
MQ	Assembly MQ	per mfg. Site specification	Pass	Pass	Pass	Pass	Pass	Pass	Pass
WBP	Bond Pull	Wires	1/80/0	1/80/0	1/80/0	1/80/0	1/80/0	1/80/0	3/240/0
WBS	Bond Shear	Wires	1/80/0	1/80/0	1/80/0	1/80/0	1/80/0	1/80/0	3/240/0

- QBS: Qual By Similarity

- Qual Device BQ24095DGQR is qualified at LEVEL1-260C
- Qual Device SN1703013RHLR is qualified at LEVEL2-260C
- Qual Device TPS2553DBVR is qualified at LEVEL1-260C
- Qual Device TPS546C20RVFR is qualified at LEVEL2-260C
- Qual Device TPS62085RLTR is qualified at LEVEL1-260C
- Qual Device TPS62130ARGTR is qualified at LEVEL2-260C

- 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/700Cycles 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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