12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20230508000.1A
Qualification of RFAB as an additional Fab site option for select LBC7 devices
Change Notification / Sample Request

Date: July 17, 2023
To: TOKYO ELECTRON DEVICE (DSTR) PCN

Dear Customer:

PCN Revision A is to announce the retraction of select devices.

This is an announcement of a change to a device that is currently offered by Texas Instruments. The details of this change are on the following pages.

Texas Instruments requires acknowledgement of receipt of this notification within **30** days of the date of this notice. Lack of acknowledgement of this notice within 30 days constitutes acceptance and approval of this change. If samples or additional data are required, requests must be received within **30 days** of this notification.

The changes discussed within this PCN will not take effect any earlier than the proposed first ship date on Page 3 of this notification, unless customer agreement has been reached on an earlier implementation of the change.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

For questions regarding this notice or to provide acknowledgement of this PCN, you may contact your local Field Sales Representative or the change management team.

For sample requests or sample related questions, contact your local Field Sales Representative.

Sincerely,

Change Management Team
SC Business Services

20230508000.1A
Attachment: 1

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, you have recently purchased these devices. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
TLV1117LV33DCYT	null
LP5912-1.0DRVT	null
LP5912-2.8DRVT	null

Technical details of this Product Change follow on the next page(s).

PCN Number:	20230508000.1**A**	**PCN Date:**	July 17, 2023
Title:	Qualification of RFAB as an additional Fab site option for select LBC7 devices		
Customer Contact:	Change Management team	**Dept:**	Quality Services
Proposed 1st Ship Date:	Aug 8, 2023	**Sample requests accepted until:**	Jun 8, 2023*

***Sample requests received after June 8, 2023 will not be supported.**

Change Type:

☐	Assembly Site	☐	Assembly Process	☐	Assembly Materials
☐	Design	☐	Electrical Specification	☐	Mechanical Specification
☐	Test Site	☐	Packing/Shipping/Labeling	☐	Test Process
☐	Wafer Bump Site	☐	Wafer Bump Material	☐	Wafer Bump Process
☒	Wafer Fab Site	☒	Wafer Fab Materials	☐	Wafer Fab Process
		☐	Part number change		

PCN Details

Description of Change:

The purpose of **PCN Revision A** is to announce the **retraction** of select devices. Retracted devices are identified with a ~~**strikethrough**~~ and are highlighted in yellow in the Product Affected Section. Retracted devices are no longer impacted by this PCN.

Texas Instruments is pleased to announce the qualification of an additional fab (RFAB) site for selected devices as listed below in the product affected section.

Current Fab Site			**Additional Fab Site**		
Current Fab Site	**Process**	**Wafer Diameter**	**Additional Fab Site**	**Process**	**Wafer Diameter**
MIHO	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 Form, Fit, 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)

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)TO:1750

(1P) SN74LS07NSR
(Q) 2000 (D) 0336
(31T)LOT: 3959047MLA
(4W) TKY(1T) 7523483SI2
(P)
(2P) REV: (V) 0033317
(20L) CSO: SHE (21L) CCO:USA
(22L) ASO: MLA (23L) ACO: MYS

Product Affected:

- LP5912-0.9DRVR
- ~~LP5912-0.9DRVT~~
- LP5912-1.0DRVR
- ~~LP5912-1.0DRVT~~
- LP5912-1.1DRVR
- ~~LP5912-1.1DRVT~~
- LP5912-1.2DRVR
- LP5912-1.2DRVT
- LP5912-1.5DRVR
- ~~LP5912-1.5DRVT~~
- LP5912-1.8DRVR
- ~~LP5912-1.8DRVT~~
- LP5912-2.5DRVR
- ~~LP5912-2.5DRVT~~
- LP5912-2.8DRVR
- ~~LP5912-2.8DRVT~~
- LP5912-3.0DRVR
- ~~LP5912-3.0DRVT~~
- LP5912-5.0DRVR
- ~~LP5912-5.0DRVT~~
- SN0603044RSAR
- SN1706011DDCR
- SN1706011DDCT
- SN1708041DDCR
- SN1708041DDCT
- SN1711021DDCR
- SN1711021DDCT
- TLV1117LV33DCYR
- ~~TLV1117LV33DCYT~~
- TLV70310DBVR
- TLV70311DBVR
- TLV70312DBVR
- TLV70313DBVR
- TLV70315DBVR
- TLV70318DBVR
- TLV70325DBVR
- TLV70327DBVR
- TLV70328DBVR
- TLV70329DBVR
- TLV70330DBVR
- TLV70333DBVR
- TPS27081ADDCR
- TPS54227DRCR
- TPS54227DRCT
- TPS54228D
- TPS54228DR
- TPS54228DRCR
- TPS54228DRCT
- TPS54308DDCR
- TPS54308DDCT
- TPS560200DBVR
- TPS560200DBVT
- TPS562210ADDFR
- TPS562210ADDFT
- TPS562210DDFR
- TPS562210DDFT
- TPS562219ADDFR
- TPS562219ADDFT
- TPS562219DDFR
- TPS562219DDFT
- TPS62110RSAR
- TPS62110RSARG4
- TPS62110RSAT
- TPS62110RSATG4
- TPS62111RSAR
- TPS62111RSARG4
- TPS62111RSAT
- TPS62112RSAR
- TPS62112RSARG4
- TPS62112RSAT
- TPS62160DGKR
- TPS62160DGKT
- TPS62170DSGR
- TPS62170DSGT
- UCC27511ADBVR
- UCC27511ADBVT
- UCC27531D
- UCC27531DBVR
- UCC27531DBVT
- UCC27531DR
- UCC27532DBVR
- UCC27532DBVT
- UCC27533DBVR
- UCC27533DBVT
- UCC27536DBVR
- UCC27536DBVT
- UCC27537DBVR
- UCC27537DBVT
- UCC27538DBVR
- UCC27538DBVT

Qualification Report

Approve Date 6-October-2010

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: TPS51217DSC
ED	Electrical Characterization	Per Datasheet Parameters	Pass
HAST	Biased HAST, 130C/85%RH	96 Hours	3/231/0
AC	Autoclave, 121C	96 Hours	3/231/0
HBM	ESD - HBM	2000 V	3/9/0
CDM	ESD - CDM	500 V	3/9/0
HTOL	Life Test, 135C	635 Hours	3/231/0
HTSL	High Temp. Storage Bake, 170C	420 Hours	3/231/0
LU	Latch-up	(per JESD78)	3/18/0
TC	Temperature Cycle, -65/150C	500 Cycles	3/18/0

- Qual Device TPS51217DSC 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/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 Change Management team or your local Field Sales Representative.

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