



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN#20200408000.1**  
**Qualify TI Chengdu as an additional Assembly site for select devices**  
**Change Notification / Sample Request**

**Date:** May 08, 2020  
**To:** Flextronics PCN

Dear Customer:

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.

We request you acknowledge receipt of this notification within **30** days of the date of this notice. Lack of acknowledgement of this notice within 30 days constitutes acceptance of the change. If you require samples or additional data to support your evaluation, please request within 30 days.

The proposed first ship date is indicated 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, contact your local Field Sales Representative or the PCN Team ([PCN\\_ww\\_admin\\_team@list.ti.com](mailto:PCN_ww_admin_team@list.ti.com)). For sample requests or sample related questions, contact your field sales representative.

Sincerely,

PCN Team  
SC Business Services

**20200408000**  
**Attachment: 1**

**Products Affected:**

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

<b>DEVICE</b>	<b>CUSTOMER PART NUMBER</b>
TPS2556DRBR	CISH-15-13339-01
TPS2556DRBR	VRJH-11146-EE
TPS2556DRBT	null

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

**PCN Number:** 20200408000.1 **PCN Date:** May 8, 2020

**Title:** Qualify TI Chengdu as an additional Assembly site for select devices

**Customer Contact:** [PCN Manager](#) **Dept:** Quality Services

**Proposed 1<sup>st</sup> Ship Date:** Aug 8, 2020 **Estimated Sample Availability:** Provided upon Request

Change Type:		
<input checked="" type="checkbox"/>	Assembly Site	<input type="checkbox"/> Design
<input type="checkbox"/>	Assembly Process	<input type="checkbox"/> Data Sheet
<input checked="" type="checkbox"/>	Assembly Materials	<input type="checkbox"/> Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/> Test Site
<input checked="" 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 type="checkbox"/> Wafer Fab Site
		<input type="checkbox"/> Wafer Fab Materials
		<input type="checkbox"/> Wafer Fab Process

**PCN Details**

**Description of Change:**

Texas Instruments is pleased to announce the qualification of TI Chengdu as additional Assembly Site for Select Devices listed in the "Product Affected" Section. Material differences are as follows.

**Material Differences:**

	TI Clark	TI Chengdu
Mount compound	4207768	4207123
Mold compound	4208625	4222198

**Reason for Change:**

Continuity of Supply

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

None

**Anticipated impact on Material Declaration**

<input type="checkbox"/>	No Impact to the Material Declaration	<input checked="" type="checkbox"/>	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 <a href="#">TI Eco-Info website</a> . There is no impact to the material meeting current regulatory compliance requirements with this PCN change.
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**Changes to product identification resulting from this PCN:**

Assembly Site		
TI Clark	Assembly Site Origin (22L)	ASO:QAB
TI Chengdu	Assembly Site Origin (22L)	ASO: CDA

Sample product shipping label (not actual product label)

TEXAS INSTRUMENTS  
 MADE IN: Malaysia  
 2DC: 2G:  
 MSL 2 /260C/1 YEAR SEAL DT  
 MSL 1 /235C/UNLIM 03/29/04  
 OPT:  
 ITEM: 39  
 LBL: 5A (L)T0:1750  
 (1P) SN74LS07NSR  
 (Q) 2000 (D) 0336  
 (31T) LOT: 3959047MLA  
 (4W) TKY (1T) 7523483S12  
 (P)  
 (2P) REV: (V) 0033317  
 (20L) CSO: SHE (21L) CCO:USA  
 (22L) ASO: MLA (23L) ACO: MYS

**Product Affected**

TPS2556DRBR	TPS2556DRBT
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# Qualification Report

Approve Date 06-Apr-2020

## Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: <u>TPS2556DRBR</u>	QBS Product Reference: <u>TPS2556DRB</u>	QBS Package Reference: <u>BQ25895RTWR</u>	QBS Package Reference: <u>LP5922</u>	QBS Package Reference: <u>TPS3850G09DRC</u>
AC	Autoclave 121C	96 Hours	-	-	-	-	3/240/0
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	-	-	3/231/0
HTOL	Life Test, 125C	1000/hrs @125C	-	-	-	1/80/0	-
HTSL	High Temp Storage Bake 150C	1000/hrs @150C	-	-	-	3/239/0	-
HTSL	High Temp Storage Bake 170C	420 Hours	-	-	3/231/0	-	3/231/0
LU	Latch-up	(per JESD78)	-	-	-	-	1/6/0
MQ	Manufacturability (Assembly)	(Approved by AT site)	3/Pass	1/Pass	3/Pass	3/3/0	1/Pass
TC	Temperature Cycle, -65/150C	(MSL 2 / 260C)	3/231/0	-	3/231/0	3/231/0	3/231/0
UHAST	Unbiased HAST 130C/85%RH	96 Hours	-	-	3/231/0	3/239/0	-

- QBS: Qual By Similarity
  - Qual Device TPS2556DRBR is qualified at LEVEL2-260CG
  - 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 contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
WW PCN Team	<a href="mailto:PCN_ww_admin_team@list.ti.com">PCN_ww_admin_team@list.ti.com</a>

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