12500 TI Boulevard, MS 8640, Dallas, Texas 75243

# PCN #20250303002.1
# Qualification of TI Chengdu as an additional assembly site for select devices
## Change Notification / Sample Request

**Date:** March 03, 2025
**To:** MOUSER 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.

Texas Instruments requires acknowledgement of receipt of this notification within 60 days of the date of this notice. Lack of acknowledgement of this notice within 60 days constitutes acceptance and approval of this change. If samples or additional data are required, requests must be received within 60 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.

TI values customer engagement and feedback related to TI changes. Customers should contact TI if there are questions or concerns regarding a change notification.

Sincerely,

Change Management Team
SC Business Services

# 20250303002.1
# 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 |
|---|---|
| TPS562206DRLR | NULL |
| TPS563203DRLR | NULL |
| TPS563206DRLR | NULL |
| TPS562203DRLR | NULL |

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

| | | | |
|---|---|---|---|
| **PCN Number:** | PCN#20250303002.1 | **PCN Date:** | March 03, 2025 |
| **Title:** | Qualification of TI Chengdu as an additional assembly site for select devices | | |
| **Customer Contact:** | Change Management Team | **Dept:** | Quality Services |
| **Proposed 1st Ship Date:** | June 01, 2025 | **Sample requests accepted until:** | May 02, 2025* |

***Sample requests received after May 02, 2025 will not be supported.**

**Change Type:**

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

## PCN Details

### Description of Change:

Texas Instruments Incorporated is announcing the qualification of TI Chengdu (CDAT) as an alternate Assemblysite for the list of devices below. There are no construction differences between PHI and CDAT built devices.

### Reason for Change:

Supply continuity

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

None

### Impact on Environmental Ratings

Checked boxes indicate the status of environmental ratings following implementation of this change. If below boxes are checked, there are no changes to the associated environmental ratings.

| RoHS | REACH | Green Status | IEC 62474 |
|---|---|---|---|
| ☒ No Change | ☒ No Change | ☒ No Change | ☒ No Change |

### Changes to product identification resulting from this PCN:

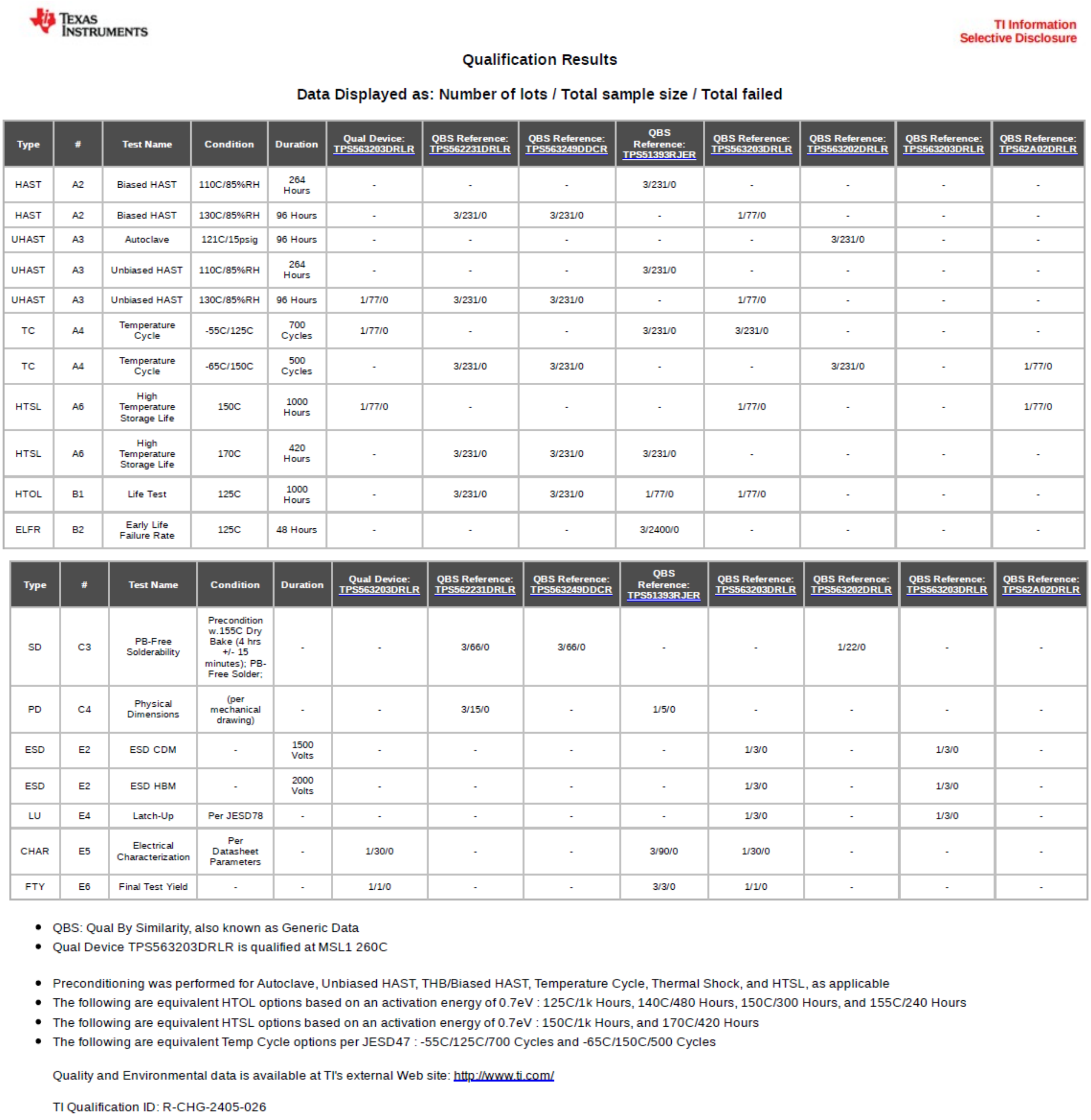
| Assembly Site | Assembly Site Origin (22L) | Assembly Country Code (23L) | Assembly City |
|---|---|---|---|
| PHI | PHI | PHL | Baguio City |
| **TI Chengdu** | **CDAT** | **CHN** | **Chengdu** |

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
Pb G4
(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:

| | | | |
|---|---|---|---|
| TPS562203DRLR | TPS562206DRLR | TPS563203DRLR | TPS563206DRLR |



TI Information
Selective Disclosure

## Qualification Results

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

| Type | # | Test Name | Condition | Duration | Qual Device: TPS563203DRLR | QBS Reference: TPS562231DRLR | QBS Reference: TPS563249DDCR | QBS Reference: TPS51393RJER | QBS Reference: TPS563203DRLR | QBS Reference: TPS563202DRLR | QBS Reference: TPS563203DRLR | QBS Reference: TPS62A02DRLR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HAST | A2 | Biased HAST | 110C/85%RH | 264 Hours | - | - | - | 3/231/0 | - | - | - | - |
| HAST | A2 | Biased HAST | 130C/85%RH | 96 Hours | - | 3/231/0 | 3/231/0 | - | 1/77/0 | - | - | - |
| UHAST | A3 | Autoclave | 121C/15psig | 96 Hours | - | - | - | - | - | 3/231/0 | - | - |
| UHAST | A3 | Unbiased HAST | 110C/85%RH | 264 Hours | - | - | - | 3/231/0 | - | - | - | - |
| UHAST | A3 | Unbiased HAST | 130C/85%RH | 96 Hours | 1/77/0 | 3/231/0 | 3/231/0 | - | 1/77/0 | - | - | - |
| TC | A4 | Temperature Cycle | -55C/125C | 700 Cycles | 1/77/0 | - | - | 3/231/0 | 3/231/0 | - | - | - |
| TC | A4 | Temperature Cycle | -65C/150C | 500 Cycles | - | 3/231/0 | 3/231/0 | - | - | 3/231/0 | - | 1/77/0 |
| HTSL | A6 | High Temperature Storage Life | 150C | 1000 Hours | 1/77/0 | - | - | - | 1/77/0 | - | - | 1/77/0 |
| HTSL | A6 | High Temperature Storage Life | 170C | 420 Hours | - | 3/231/0 | 3/231/0 | 3/231/0 | - | - | - | - |
| HTOL | B1 | Life Test | 125C | 1000 Hours | - | 3/231/0 | 3/231/0 | 1/77/0 | 1/77/0 | - | - | - |
| ELFR | B2 | Early Life Failure Rate | 125C | 48 Hours | - | - | - | 3/2400/0 | - | - | - | - |
| SD | C3 | PB-Free Solderability | Precondition w.155C Dry Bake (4 hrs +/- 15 minutes); PB-Free Solder; | - | - | 3/66/0 | 3/66/0 | - | - | 1/22/0 | - | - |
| PD | C4 | Physical Dimensions | (per mechanical drawing) | - | - | 3/15/0 | - | 1/5/0 | - | - | - | - |
| ESD | E2 | ESD CDM | - | 1500 Volts | - | - | - | - | 1/3/0 | - | 1/3/0 | - |
| ESD | E2 | ESD HBM | - | 2000 Volts | - | - | - | - | 1/3/0 | - | 1/3/0 | - |
| LU | E4 | Latch-Up | Per JESD78 | - | - | - | - | - | 1/3/0 | - | 1/3/0 | - |
| CHAR | E5 | Electrical Characterization | Per Datasheet Parameters | - | 1/30/0 | - | - | 3/90/0 | 1/30/0 | - | - | - |
| FTY | E6 | Final Test Yield | - | - | 1/1/0 | - | - | 3/3/0 | 1/1/0 | - | - | - |

- QBS: Qual By Similarity, also known as Generic Data
- Qual Device TPS563203DRLR is qualified at MSL1 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/

TI Qualification ID: R-CHG-2405-026

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

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