



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20150616000
Datasheet update for TPS7A3001
Change Notification

Date: 7/1/2015
To: Digi-Key PCN

Dear Customer:

This is a notice of change to a product data sheet for 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.

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 Manager (PCN_ww_admin_team@list.ti.com).

Sincerely,

PCN Team
SC Business Services

20150616000
Data Sheet Change Notification
Attachments

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.

| DEVICE | CUSTOMER PART NUMBER |
|---------------|-----------------------------|
| TPS7A3001DGNR | null |
| TPS7A3001DGNT | null |

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

| | | | |
|---|--------------------------------|-------------------------------------|---------------------|
| PCN Number: | 20150616000 | PCN Date: | 07/01/2015 |
| Title: | Datasheet update for TPS7A3001 | | |
| Customer Contact: | PCN Manager | Dept: | Quality Services |
| Proposed 1st Ship Date: | 10/01/2015 | | |
| Change Type: | | | |
| <input type="checkbox"/> | Assembly Site | <input type="checkbox"/> | Design |
| <input type="checkbox"/> | Assembly Process | <input checked="" type="checkbox"/> | Data Sheet |
| <input type="checkbox"/> | Assembly Materials | <input type="checkbox"/> | Part number change |
| <input type="checkbox"/> | Mechanical Specification | <input type="checkbox"/> | Test Site |
| <input type="checkbox"/> | Packing/Shipping/Labeling | <input type="checkbox"/> | Test Process |
| <input type="checkbox"/> | | <input type="checkbox"/> | Wafer Bump Site |
| <input type="checkbox"/> | | <input type="checkbox"/> | Wafer Bump Material |
| <input type="checkbox"/> | | <input type="checkbox"/> | Wafer Bump Process |
| <input type="checkbox"/> | | <input type="checkbox"/> | Wafer Fab Site |
| <input type="checkbox"/> | | <input type="checkbox"/> | Wafer Fab Materials |
| <input type="checkbox"/> | | <input type="checkbox"/> | Wafer Fab Process |

PCN Details

Description of Change:

The product datasheet(s) is being updated as summarized below.

The following change history provides further details.

The datasheet number will be changing.



TPS7A30

SBVS125D – AUGUST 2010 – REVISED JUNE 2015

www.ti.com

Changes from Revision C (April 2015) to Revision D

Page

| | |
|--|----|
| • Added DRB package to document | 1 |
| • Added TI Design | 1 |
| • Changed <i>Packages</i> Features bullet | 1 |
| • Added VSON row to <i>Device Information</i> table | 1 |
| • Added DRB package to <i>Pin Configuration and Functions</i> section | 4 |
| • Changed EN pin description in <i>Pin Functions</i> table: updated voltage symbols | 4 |
| • Added DRB column to <i>Thermal Information</i> table | 6 |
| • Changed test conditions of last row in $ I_{EN} $ parameter of <i>Electrical Characteristics</i> table | 7 |
| • Changed title and y-axis of Figure 7 to <i>Ground Current</i> | 9 |
| • Changed y-axis of Figure 11 and Figure 12 to I_Q | 9 |
| • Changed V_{EN} value of disabled mode in Table 1 | 16 |
| • Changed first sentence of <i>Application Information</i> section | 17 |
| • Added Table 2 and respective description to <i>Adjustable Operation</i> section | 17 |
| • Deleted third sentence from <i>Capacitor Recommendations</i> section | 17 |
| • Changed third paragraph of <i>Power for Precision Analog</i> section | 19 |
| • Changed description of start-up time in <i>Design Requirements</i> section | 20 |
| • Changed Equation 3 | 20 |
| • Changed Equation 8 | 21 |
| • Changed fifth item in <i>Do's and Don'ts</i> section | 23 |
| • Changed Figure 40 footnote | 25 |
| • Changed 35°C to 45°C in <i>Thermal Considerations</i> section | 26 |

| | | |
|---------------|--------------|-----------------|
| Device Family | Change From: | Change To: |
| TPS7A3001 | SBVS125C | SBVS125D |

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/tps7A30>

| | | | |
|---|---------------|---------------|---------------|
| Reason for Change: | | | |
| To more accurately reflect device characteristics. | | | |
| Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative): | | | |
| Electrical specification performance changes as indicated above. | | | |
| Changes to product identification resulting from this PCN: | | | |
| None. | | | |
| Product Affected: | | | |
| TPS7A3001DGNR | TPS7A3001DGNT | TPS7A3001DRBR | TPS7A3001DRBT |

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

| Location | E-Mail |
|-----------------|--|
| USA | PCNAmericasContact@list.ti.com |
| Europe | PCNEuropeContact@list.ti.com |
| Asia Pacific | PCNAsiaContact@list.ti.com |
| Japan | PCNJapanContact@list.ti.com |