



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN# 20150616000**  
**Datasheet update for TPS7A3001**  
**Change Notification**

**Date:** 7/1/2015  
**To:** Newark/Farnell 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](mailto: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.

| <b>DEVICE</b> | <b>CUSTOMER PART NUMBER</b> |
|---------------|-----------------------------|
| TPS7A3001DGNT | null                        |

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

|   |                                |                                     |                     |
|---|--------------------------------|-------------------------------------|---------------------|
| <b>PCN Number:</b>                        | 20150616000                    | <b>PCN Date:</b>                    | 07/01/2015          |
| <b>Title:</b>                             | Datasheet update for TPS7A3001 |                                     |                     |
| <b>Customer Contact:</b>                  | <a href="#">PCN Manager</a>    | <b>Dept:</b>                        | Quality Services    |
| <b>Proposed 1<sup>st</sup> Ship Date:</b> | 10/01/2015                     |                                     |                     |
| <b>Change Type:</b>                       |                                |                                     |                     |
| <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](http://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 <a href="#">Figure 7</a> to <i>Ground Current</i> .....                          | 9  |
| • Changed y-axis of <a href="#">Figure 11</a> and <a href="#">Figure 12</a> to $I_Q$ .....                     | 9  |
| • Changed $V_{EN}$ value of disabled mode in <a href="#">Table 1</a> .....                                     | 16 |
| • Changed first sentence of <i>Application Information</i> section .....                                       | 17 |
| • Added <a href="#">Table 2</a> 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 <a href="#">Equation 3</a> .....   | 20 |
| • Changed <a href="#">Equation 8</a> .....   | 21 |
| • Changed fifth item in <i>Do's and Don'ts</i> section .....   | 23 |
| • Changed <a href="#">Figure 40</a> footnote .....   | 25 |
| • Changed 35°C to 45°C in <i>Thermal Considerations</i> section .....  | 26 |

|               |              |                 |
|---------------|--------------|-----------------|
| Device Family | Change From: | Change To:      |
| TPS7A3001     | SBVS125C     | <b>SBVS125D</b> |

These changes may be reviewed at the datasheet links provided.

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

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

| <b>Location</b> | <b>E-Mail</b>  |
|-----------------|--|
| 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>         |
| Japan           | <a href="mailto:PCNJapanContact@list.ti.com">PCNJapanContact@list.ti.com</a>       |