| Notification Number: | 20161121000 | Notification Date: | November 29, 2016 |
|---|---|---|---|
| **Title:** | Datasheet for TLV620612-Q1 | | |
| **Customer Contact:** | PCN Manager | **Dept:** | Quality Services |
| **Change Type:** | | | |

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

## Notification Details

**Description of Change:**

Texas Instruments Incorporated is announcing an information only notification.
The product datasheet(s) is updated as seen in the change revision history below:

**Texas Instruments**

**TLV620612-Q1**

SLVSB93C –JANUARY 2012–REVISED NOVEMBER 2016

www.ti.com

**Changes from Revision B (December 2014) to Revision C**                                    **Page**

- Changed the maximum efficiency from 97% to 88% ................................................................. 1
- Changed the maximum output current from 2 A to 1.6 A throughout the data sheet ...................... 1
- Changed the FB pin description in the *Pin Functions* table ......................................................... 4
- Changed the output voltage in the *Recommended Operating Conditions* to 1.2 V and removed all references to other output voltages ($V_{OUT}$). Updated graphics where applicable ....................................... 5
- Deleted the junction temperature from the *Recommended Operating Conditions* table ..................... 5
- Changed the *Thermal Information* values ................................................................................. 5
- Changed the typical reference voltage value from 1.2 V to 600 mV ............................................ 6
- Changed graphs to show input voltage up to 5.5 V instead of 6 V in the *Typical Characteristics* section ........................ 8
- Deleted the *Parameter Measurement Information* section because the circuit is similar to the application circuit in the *Typical Application* section ......................................................................... 11
- Added a description of the clock dithering feature to the *Feature Description* section ..................... 12
- Deleted the *100% Duty Cycle Low-Dropout Operation* section from the *Feature Description* section ............... 12
- Deleted the *Output Voltage Setting* section in the *Detailed Design Procedure* section ....................... 15
- Added the *Receiving Notification of Documentation Updates* section ............................................ 19
- Changed the ESDS caution statement ................................................................................... 19

The datasheet number will be changing.

| Device Family | Change From: | Change To: |
|---|---|---|
| TLV620612-Q1 | SLVSB93B | **SLVSB93C** |

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/lit/ds/symlink/tlv620612-q1.pdf

**Reason for Change:**

To more accurately reflect device characteristics.

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

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device

**Changes to product identification resulting from this notification:**

None.

**Product Affected:**

TLV620612TDSGRQ1

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 |