

Notification Number:	20150730000	Notification Date:	08/19/2015
Title:	Datasheet update for TPS7B4250-Q1		
Customer Contact:	PCN Manager	Dept:	Quality Services
Change Type:			
<input type="checkbox"/> Assembly Site	<input type="checkbox"/> Design	<input type="checkbox"/> Wafer Bump Site	
<input type="checkbox"/> Assembly Process	<input checked="" type="checkbox"/> Data Sheet	<input type="checkbox"/> Wafer Bump Material	
<input type="checkbox"/> Assembly Materials	<input type="checkbox"/> Part number change	<input type="checkbox"/> Wafer Bump Process	
<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Site	<input type="checkbox"/> Wafer Fab Site	
<input type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Process	<input type="checkbox"/> Wafer Fab Materials	
		<input type="checkbox"/> 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:



TPS7B4250-Q1

SLVSCA0B – OCTOBER 2013 – REVISED JULY 2015

www.ti.com

Changes from Revision A (November 2013) to Revision B

Page

- Changed HBM ESD Classification level from 2 to 3A 1
- Changed CDM ESD Classification level from C4 to C6 1
- Added *Pin Configuration and Functions* section, *ESD Ratings* table, *Feature Description* section, *Device Functional Modes*, *Application and Implementation* section, *Power Supply Recommendations* section, *Layout* section, *Device and Documentation Support* section, and *Mechanical, Packaging, and Orderable Information* section 1
- Deleted the transient current and 107-pF capacitor for HBM table notes from the *ESD Ratings* table 5
- Changed input voltage symbol from V_{IN} to V_I for the $\Delta V_{O(\Delta V_I)}$ and $V_{dropout}$ parameters and the output voltage symbol from V_{OUT} to V_O for the I_L parameter in the *Electrical Characteristics* table 6
- Added I_O and C_O to the PSRR test condition in the *Electrical Characteristics* table 6
- Changed the max value for $V_{dropout}$ where $I_O = 10$ mA from 250 to 265 in the *Electrical Characteristics* table 6
- Deleted the $V_{ADJ} = 5$ V condition for the *Ground current vs Temperature* graph and changed the legend 7
- Changed the y axis units from mV to mA in the *Current-limit vs Temperature* graph 7
- Added the V_{ADJ} condition statement to the *Input Voltage vs Output Voltage* graph and changed the y-axis from I_O to V_O .. 7
- Changed the title of **Figure 8** from *Input Voltage vs Output Voltage* to *Reference Voltage vs Output Voltage*, and changed the y-axis from I_O to V_O . Also added the V_I condition statement to the graph 7
- Changed the second y axis from I_O to V_I and removed the units in the *Line Transient* 7
- Deleted the units from the second y axis in the *Load Transient* 7
- Added the V_{ADJ} condition statement to the *Power-supply Rejection Ratio vs Frequency* graph 8
- Added resistor-divider values to the *Tracking LDO With Enable Circuit* figure 11

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS7B4250-Q1	SLVSCA0A	SLVSCA0B

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/tps7b4250-q1>

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:	
TPS7B4250QDBVQ1	TPS7B4250QDBVRQ1

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
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