

<b>PCN Number:</b>	20140325000	<b>PCN Date:</b>	03/27/2104
<b>Title:</b>	TPS7B67xx-Q1 datasheet		
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Phone:</b>	+1(214) 480-6037
<b>Dept:</b>	Quality Services		
<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 to change to correct Terminal Function table error.

The following change history provides further details

TPS7B6701-Q1, TPS7B6733-Q1  
 TPS7B6750-Q1, TPS7B6750A-Q1, TPS7B6750B-Q1  
 SLVSCB2B – OCTOBER 2013 – REVISED MARCH 2014



#### Changes from Revision A (November 2013) to Revision B

Page

- Updated the first page by making the following additions: the *Device Information* table, device family name to document title, and added the navigation buttons ..... 1
- Changed the  $I_O$  value from < 2 to < 4 when EN = Low in the *Features* list ..... 1
- Added the *Table of Contents* and moved the *Revision History* to the second page ..... 1
- Replaced the *ORDERING INFORMATION* table with the *Device Comparison* Table and deleted the Device and Package columns ..... 4
- Changed KTT (B) terminal number for the ADJ terminal from 4 to — and the number for KTT (ADJ) from — to 4 ..... 5
- Added Moved all electrical specifications tables and the *Typical Characteristics* section into the *Specifications* section ..... 6
- Changed the max value for DELAY from  $V_I$  to 45 V in the *Absolute Maximum Ratings* table. Also added new table note for DELAY ..... 6
- Changed the max value for ADJ, RESET from  $V_O$  to 22 V in the *Absolute Maximum Ratings* table ..... 6
- Moved the ESD ratings (now  $V_{ESD}$ ) and storage temperature into the *Handling Ratings* table. Added three ESD table notes ..... 6
- Changed the value of  $I_O$  from 1 mA to 450 mA for the Input voltage test conditions in the *Electrical Characteristics* table ..... 7
- Added the value for  $V_I$  in the test conditions of the Regulated output and the Line regulator parameters in the *Electrical Characteristics* table ..... 7
- Moved the timing parameters (TIMING FOR RESET) out of the *Electrical Characteristics* table and into the new *Timing Requirements* table ..... 8
- Added the *Overview* section title to the first paragraph of the *Detailed Description* section ..... 11
- Updated the *Power-On\_Reset (RESET)* section by making the following changes: changed the percentage that  $V_O$  exceeds for the reset output to change from 90% to 91.6% (also changed this value in the *Reset Delay Timer (DELAY)* section), removed *The on-chip oscillator presets the delay*, and changed the percentage level to assert the output from 90% to 89.6% ..... 12
- Changed the junction temperature value that disables thermal protection from 170°C to 175°C in the *Thermal Protection* section ..... 14
- Added the *Device Functional Modes* section ..... 14

**Revision History (continued)**

• Added the <i>Typical Application</i> section in the new <i>Applications and Implementation</i> section .....	15
• Added the <i>Power Supply Recommendations</i> section .....	17
• Changed the <i>LAYOUT INFORMATION</i> section to the <i>Layout</i> section and added the <i>Layout Example</i> section .....	17
• Added the <i>Mechanical, Packaging, and Orderable Information</i> section. Also added the <i>Device and Documentation Support</i> section which now contains the trademark section and <i>Electrostatic Discharge Caution</i> . This section also includes a new reference to the TI Glossary .....	19

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS7B67xx-Q1	SLVSCB2A	<b>SLVSCB2B</b>

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/tps7b6701-q1>

<http://www.ti.com/product/tps7b6733-q1>

<http://www.ti.com/product/tps7b6750-q1>

**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:**

TPS7B6701QPWPRQ1	TPS7B6733QPWPRQ1	TPS7B6750QPWPRQ1
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For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

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