

PCN Number:	20190304001.0	PCN Date:	March 27, 2019
Title:	Datasheet for TPS7B68-Q1		
Customer Contact:	PCN Manager	Dept:	Quality Services
Proposed 1st Ship Date:	September 27, 2019		
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

Notification 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.

Please review these changes against your application to ensure desired operation.



TPS7B68-Q1

SLVSD43C – MAY 2015 – REVISED FEBRUARY 2019

Changes from Revision B (September 2017) to Revision C

Page

• Changed watchdog accuracy from 9% to 10% throughout document	1
• Changed <i>Device Information</i> table	1
• Changed test conditions of V_{OUT} parameter	7
• Added second row to V_{OUT} parameter	7
• Changed $V_{(dropout)}$ parameter maximum specifications from 600 mV to 800 mV at 500 mA and changed 260 mV to 325 mV at 200 mA	7
• Added footnote indicating dropout is not tested for the 3.3-V option at 200 mA	7
• Changed first row test conditions of $I_{(LIM)}$ parameter: changed $V_{IN} = 5.6 V$ to $40 V$ to $V_{IN} = 5.6 V$ and added voltage option	7
• Added second row to $I_{(LIM)}$ parameter for the 3.3-V option	7
• Changed $t_{(DEGLITCH)}$ parameter minimum specification from 100 μs to 55 μs	9
• Changed $t_{(DLY_FIX)}$ parameter specifications: deleted minimum specification and changed maximum specification from 550 μs to 900 μs	9
• Changed $t_{(WD_TOL)}$ parameter: changes test conditions, changed minimum specification from -9% to -10%, and changed maximum specification from 9% to 10%	9
• Changed <i>Several Typical Periods of Watchdog Window</i> table to reflect change in watchdog duration accuracy from 9% to 10%	17

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS7B68-Q1	SLVSD43B	SLVSD43C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TPS7B68-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:			
TPS7B6833QPWPRQ1	TPS7B6850QPWPRQ1		

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 <input type="checkbox"/>
Europe	PCNEuropeContact@list.ti.com <input type="checkbox"/>
Asia Pacific	PCNAsiaContact@list.ti.com <input type="checkbox"/>
WW PCN Team	PCN_ww_admin_team@list.ti.com <input type="checkbox"/>