

PCN Number:	20140320001	PCN Date:	03/26/2014
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Title:	TPS65300-Q1 datasheet		
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Customer Contact:	PCN Manager	Phone:	+1(214) 480-6037	Dept:	Quality Services
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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

PCN Details

Description of Change:

The product datasheet(s) is being updated to change VIL of IGN_EN from 2.0V to 2.2V

The following change history provides further details



TPS65300-Q1

SLVSBB6E – MARCH 2012 – REVISED MARCH 2014

www.ti.com

4 Revision History

NOTE: Page numbers for previous revisions may differ from page numbers in the current version.

Changes from Revision D (August 2013) to Revision E

Page

• Added the <i>Device Information</i> table and the following new sections: <i>Power Supply Recommendations</i> , <i>Device and Documentation Support</i> , and <i>Mechanical, Packaging, and Orderable Information</i>	1
• Changed the word <i>pin</i> to <i>terminal</i> throughout the document	3
• Moved the <i>Pin Functions</i> section into the <i>Terminal Configuration and Functions</i> section	4
• Moved the storage temperature and ESD ratings out of the <i>Absolute Maximum Ratings</i> table and into the new <i>Handling Ratings</i> table	5
• Changed <i>DC CHARACTERISTICS</i> condition statement from $T_J = -40^{\circ}\text{C}$ to 150°C to $T_{J-\text{Max}} = 150^{\circ}\text{C}$	6
• Changed min value for V_{IL} of IGN_EN from 2 to 2.2 in the <i>DC CHARACTERISTICS</i> table	6
• Moved all timing requirements out of the <i>Electrical Characteristics</i> table and into the <i>Timing Requirements</i> table	8
• Combined the general application equations with the practical equations to streamline the <i>Typical Application</i> section	18
• Changed Y-axis name from <i>Current (mA)</i> to <i>Efficiency</i> in Figure 17	25
• Moved the <i>Efficiency vs Output Current on VREG</i> graph and the scope plots from the <i>Typical Characteristics</i> section to the <i>Application Curves</i> section	25

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS65300-Q1	SLVSBB6D	SLVSBB6E

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/tps65300-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:	
TPS65300QPWPRQ1	TPS65300QRHFRQ1

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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Asia Pacific	PCNAsiaContact@list.ti.com
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