

PCN Number:	20150218001	PCN Date:	02/20/2015
Title:	Datasheet update for TPS57112-Q1		
Customer Contact:	PCN Manager	Dept:	Quality Services
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

PCN Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification.

The product datasheet(s) is being updated as summarized below.

The following change history provides further details.



TPS57112-Q1

SLVSAL8C – DECEMBER 2010 – REVISED FEBRUARY 2015

www.ti.com

Changes from Revision B (August 2014) to Revision C

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• Changed upper end of the switching-frequency range to 2 MHz.....	1
• Changed pinout drawing from bottom view to top view.....	4
• Changed Handling Ratings table to ESD Ratings; moved T _{sig} to Absolute Maximum Ratings table.....	5
• Changed the <i>Thermal Information</i> table	6
• Changed values for UVLO START and STOP voltages	6
• Changed unit for error amplifier transconductance from S to μS.....	6
• Changed MAX switching frequency to 2000 kHz for Rt and CLK modes	7
• Changed Figure 13	9
• Changed upper limit of switching-frequency range to 2000 kHz.....	12
• Changed upper limit of switching-frequency range to 2000 kHz.....	18
• Corrected Equation 8 and Equation 9	18
• Changed upper limit of synchronization frequency range to 2000 kHz.....	19
• Changed transconductance in Power Stage block of Figure 31	20
• Added disclaimer to Applications section	23
• Changed upper end of switching frequency range to 2 MHz.....	24
• Corrected Equation 39	28

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS57112-Q1	SLVSAL8B	SLVSAL8C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TPS57112-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:
TPS57112QRTERQ1

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
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