

Notification Number:	20160907000	Notification Date:	Sept. 12, 2016
Title:	Datasheet for TPS62242-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

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:



TPS62242-Q1

SLVSB38C – MARCH 2011 – REVISED AUGUST 2016

www.ti.com

Changes from Revision B (March 2013) to Revision C

Page

• Added ESD Ratings table, Thermal Information 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 Ordering Information table; see POA at the end of the data sheet.....	1
• Changed document title and description from "Step-Down" to "Buck Converter".....	1
• Changed from "Greater Than" to "Up to"	1
• Changed Features and Applications bullets editorially	1
• Changed description to automotive applications	1
• Deleted duplicated information	1
• Added 2.25-MHz fixed frequency and a 1.2-V fixed output voltage.....	1
• Added PWM mode description.....	1
• Added Free-air temperature range and reworded device package description.	1
• Changed figure for $V_O = 1.2\text{ V}$ curves	1
• Updated pinout image to new format	4
• Deleted table note 3 about human body model and machine model.....	5
• Deleted table row for adjustable voltage	5
• Added table rows for inductance and output capacitance.....	5
• Added PWM Mode	6
• Deleted Dissipation Ratings section.....	6
• Deleted in fixed output voltage versions from table note	6
• Moved Figures 2, 6 through 9, and 11 through 13 to Application Curves.....	7
• Changed Figures 6 through 9 and 11 through 13 for 1.2 V	7
• Deleted Figures 1, 3 through 5, 10, 14, and 15	7
• Deleted Mode transition row from table and corresponding figures 14 and 15.....	7
• Moved Soft Start, Power Save Mode, and Short-Circuit Protection sections to Device Functional Modes section	10

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS62242-Q1	SLVSB38B	SLVSB38C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/lit/ds/symlink/tps62242-q1.pdf>

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:
TPS62242QDDCRQ1

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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