

PCN Number:	20160215001	PCN Date:	02/18/2016
Title:	Datasheet for TPS40200-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:



TPS40200-Q1

SLUS739F –SEPTEMBER 2006–REVISED JANUARY 2016

www.ti.com

Changes from Revision E (July 2013) to Revision F

Page

• Added ESD Ratings table, Feature Description section, Device Functional Modes section, Application and Implementation section, Power Supply Recommendations section, Layout section, Device and Documentation Support section, and Mechanical, Packaging, and Orderable Information section.....	1
• Changed V _{IN} to V _{DD} throughout the document for consistency.....	3
• Added footnote for reference to Minimum Controllable Pulse Width vs Frequency section.....	5
• Changed TPS40200 to TPS40200-Q1 throughout document.....	10
• Added note for typical values of internal resistor and voltages.....	10
• Changed voltage to 8 V (typical) in MOSFET Gate Drive.....	11
• Changed Programming the Operating Frequency to Selecting the Operating Frequency.....	11
• Changed equation 4.....	15
• Changed Programming the Soft-Start Time to Calculating the Soft-Start Time.....	16
• Changed equation 5.....	16
• Deleted Bill of Materials tables.....	20
• Added designators Q2 and D2 to Detailed Design Procedure.....	21
• Added designator L1 to Detailed Design Procedure.....	23
• Added clarification for different values for capacitor C11 and C12 in schematic, which are for the EVM. Modified for use in applications per equations.....	23
• Changed R _{RC} to R3 in equation definition in Switching Frequency for consistency and clarity.....	24
• Changed R _{ILM} to 31 mΩ in Calculating the Overcurrent Threshold Level and added clarifying information.....	24
• Added capacitor designator C6 in Soft-Start Capacitor.....	25

Device Family	Change From:	Change To:
TPS40200-Q1	SLUS739E	SLUS739F

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/tps40200-q1>

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 PCN:

None.

Product Affected:
TPS40200QDRQ1

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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