

PCN Number:	20150710000	PCN Date:	07/31/2015
Title:	Datasheet update for DRV8301-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"/>	Wafer Bump Site
		<input type="checkbox"/>	Wafer Bump Material
		<input type="checkbox"/>	Wafer Bump Process
		<input type="checkbox"/>	Wafer Fab Site
		<input type="checkbox"/>	Wafer Fab Materials
		<input type="checkbox"/>	Wafer Fab Process

PCN Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification.

The product datasheet is updated as seen in the change revision history below:

Not Recommended for New Designs



DRV8301-Q1

SLOS842A – SEPTEMBER 2013 – REVISED JUNE 2015

www.ti.com

Changes from Original (September 2013) to Revision A

Page

• Added ESD Ratings 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
• PVDD absolute max voltage rating reduced from 70 V to 65 V	6
• Clarification made on how the OCP status bits report in <i>Overcurrent Protection and Reporting (OCP)</i>	18
• Update to PVDD1 undervoltage protection in <i>Undervoltage Protection (PVDD_UV and GVDD_UV)</i> describing specific transient brownout issue.	18
• Update to EN_GATE pin functional description in <i>EN_GATE</i> clarifying proper EN_GATE reset pulse lengths.	21
• Added <i>Gate Driver Start-up Issue Errata</i>	25

The datasheet number will be changing.

Device Family	Change From:	Change To:
DRV8301-Q1	SLOS842	SLOS842A

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/drv8301-q1>

Reason for Change:

To more accurately reflect device characteristics and identify issues with specific application conditions.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. There are no changes to the actual device. This is a specification change and errata announcement only. Update made to PVDD absolute maximum rating and in identifying device issues with specific application conditions. Review datasheet for detailed information.

Changes to product identification resulting from this PCN:

None.

Product Affected:	
DRV8301QDCAQ1	DRV8301QDCARQ1

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
Japan	PCNJapanContact@list.ti.com