

PCN Number:	20160215006	PCN Date:	2/17/2016
Title:	Datasheet for UCC28950		
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

Notification Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification.

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



UCC28950

SLUSA16C – MARCH 2010 – REVISED NOVEMBER 2015

Changes from Revision B (October 2011) to Revision C

Page

• Added <i>Pin Configuration and Functions</i> section, <i>Handling Rating</i> table, <i>Feature Description</i> section, <i>Device Functional Modes</i> , <i>Application and Implementation</i> section, <i>Power Supply Recommendations</i> section, <i>Layout</i> section, <i>Device and Documentation Support</i> section, and <i>Mechanical, Packaging, and Orderable Information</i> section	1
• Moved Standard Temperature Range from ESD table to Absolute Maximum Ratings table	5
• Changed Figure 6 Startup Current value from mA to μ A.	10
• Changed Figure 11 Nominal Switching Frequency value from Hz to kHz.	11
• Changed Figure 12 Maximum Switching Frequency value from Hz to kHz.	11
• Updated Adaptive Delay section.	18
• Changed values in Equation 3	18
• Changed values in Equation 4	18
• Changed line in Figure 34 to stop at $R_{TMIN} = 10\text{ k}\Omega$ and $T_{MIN} = 800\text{ ns}$	22
• Changed content in <i>Slope Compensation (R_{SUM})</i> section.	24
• Added T_{MIN} setting to Figure 39	26
• Updated Synchronization (SYNC) section.	30
• Changed <i>Detailed Design Procedure</i> in the <i>Typical Application</i> section.	38
• Deleted V_g vs. Q_g for QE and QF FETs graph from Select FETs QE and QF section.	47
• Added Daughter Board Schematic.	61
• Added Power Stage Schematic.	62

The datasheet number will be changing.

Device Family	Change From:	Change To:
UCC28950	SLUSA16B	SLUSA16C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/UCC28950>

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:	
UCC28950PW	UCC28950PWR

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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