



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN# 20150714000
UCC28600 Die Revision Change
Final Change Notification / Sample Request**

Date: 7/17/2015
To: MOUSER PCN

Dear Customer:

This is an announcement of a change to a device that is currently offered by Texas Instruments. The details of this change are on the following pages.

We request you acknowledge receipt of this notification within **30** days of the date of this notice. Lack of acknowledgement of this notice within 30 days constitutes acceptance of the change. If you require samples or additional data to support your evaluation, please request within 30 days.

The changes discussed within this PCN will not take effect any earlier than **90** days from the date of this notification, unless customer agreement has been reached on an earlier implementation of the change. This notification period is per TI's standard process.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

For questions regarding this notice, contact your local Field Sales Representative or the PCN Manager (PCN_ww_admin_team@list.ti.com).

PCN Team
SC Business Services

20150714000
Attachment: 1

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
UCC28600D	null
UCC28600DR	null

Technical details of this Product Change follow on the next page(s).

PCN Number:	20150714000		PCN Date:	07/17/2015
Title:	UCC28600 Die Revision Change			
Customer Contact:	PCN Manager		Dept:	Quality Services
Proposed 1st Ship Date:	10/17/2015	Estimated Sample Availability:	Date provided at sample request.	
Change Type:				
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification	<input type="checkbox"/>
<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material	<input type="checkbox"/>
<input type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials	<input type="checkbox"/>
		<input type="checkbox"/>	Part number change	
PCN Details				
Description of Change:				
<p>This notification is to inform of a die revision change to select devices. The design change does not affect the device's guaranteed datasheet specifications or electrical performance. The Design changes were made to:</p> <ol style="list-style-type: none"> 1. Improve high temperature operation. 2. Improve noise immunity on VDD. <p>Affected devices are listed in "Product Affected" section.</p>				
Reason for Change:				
Improved product performance				
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):				
None				
Changes to product identification resulting from this PCN:				
Die Rev designator will change as shown in the table and sample label below:				
Current	New			
Die Rev [2P]	Die Rev [2P]			
A	C			
Sample product shipping label to indicate die rev location (not actual product label)				
Product Affected:				
TPS92010D	UCC28600D	UCC28600DR	UCL64010D	
TPS92010DR	UCC28600DG4	UCC28600DRG4	UCL64010DR	

Qualification Report

UCC28600 PG3 Qual

Approved June 29, 2015

Product Attributes

Attributes	Qual Device: UCC28600	QBS Product Reference: TPS92010	QBS Product Reference: UCC28600	QBS Product Reference: UCC28600	QBS Process Reference: TPS40211DGQR	QBS Package Reference: TPS2042BD	QBS Package Reference: TPS2419DR
Assembly Site	FMX	MEX	FMX	FMX	ASESH	FMX	FMX
Package Family	SOIC	-	SOIC	SOIC	VSSOP	-	-
Wafer Fab Supplier	DFAB	DLN	DLN	DLN	DFAB	HIJI	MIHO
Wafer Process	LBC4	LBC4/200 BOAC	LBC4/200 BOAC	LBC4/200 BOAC	LBC4	LBC4X	LBC7

- QBS: Qual by Similarity

- Qual Devices qualified at LEVEL1-260CG: UCC28600, UCC28600, UCC28600

Qualification Results

Data Displayed as: Number of lots / Total sample size / Total failed

Type	Test Name / Condition	Duration	Qual Device: UCC28600	QBS Product Reference: TPS92010	QBS Product Reference: UCC28600	QBS Product Reference: UCC28600	QBS Process Reference: TPS40211DGQR	QBS Package Reference: TPS2042BD	QBS Package Reference: TPS2419DR
AC	Autoclave 121C	96 Hours	-	-	-	-	-	3/231/0	3/231/0
ED	Electrical Characterization	Per Datasheet Parameters	1/30/0	1/30/0	1/30/0	1/30/0	-	1/30/0	-
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	-	-	-	-	3/231/0
HBM	ESD - HBM	2000 V	1/3/0	1/3/0	1/3/0	1/3/0	-	-	-
CDM	ESD - CDM	1000 V	1/3/0	1/3/0	1/3/0	1/3/0	-	-	-
HTOL	Life Test, 125C	1000 Hours	-	1/77/0	2/154/0	2/154/0	-	-	-
HTSL	High Temp. Storage Bake, 150C	1000 Hours	-	-	-	-	3/231/0	-	-
HTSL	High Temp. Storage Bake, 170C	420 Hours	-	-	-	-	-	3/231/0	3/231/0
LI	Lead Pull to Destruction	Leads	-	-	-	-	-	3/66/0	-
LU	Latch-up	(per JESD78)	1/6/0	1/5/0	1/6/0	1/6/0	-	-	-
TC	Temperature Cycle, -65/150C	500 Cycles	-	1/77/0	1/77/0	1/77/0	3/231/0	3/231/0	3/231/0
UHAST	Unbiased HAST, 130C/85%RH	96 Hours	-	-	-	-	3/231/0	-	-

- Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable

- The following are equivalent HTOL options based on an activation energy of 0.7eV: 125C/1k Hours, 140C/480 Hours, 150C/300 Hours, and 155C/240 Hours

- The following are equivalent HTSL options based on an activation energy of 0.7eV: 150C/1k Hours, and 170C/420 Hours

- The following are equivalent Temp Cycle options per JESD47: -65C/125C/700 Cycles and -65C/150C/500 Cycles

Quality and Environmental data is available at TI's external Web site: <http://www.ti.com/>

Green/Pb-free Status:

Qualified Pb-Free (SMT) and Green

For questions regarding this notice, e-mails can be sent to the regional contacts shown below, or you can contact 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