



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN# 20080417001
Datasheet Errata for LP2981 Device Type
Information Only**

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this PCN are for your information only. Please see the attachment details for the planned implementation date.

This notification period is per TI's standard process. Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

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

Sincerely,

PCN Team
SC Business Services
Phone: +1(214) 480-6037
Fax: +1(214) 480-6659

PCN Number:	20080417001	PCN Date:	05/12/2008
Title:	Datasheet Errata for LP2981/A Device Type		
Customer Contact:	Linda K Miles	Phone:	903-868-7638
Dept:	Standard Linear and Logic		
Proposed 1st Ship Date:	N/A	Estimated Sample Availability:	N/A
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process
<input type="checkbox"/>	Design	<input checked="" type="checkbox"/>	Electrical Specification
<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Packing/Shipping/Labeling
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	Assembly Materials
<input type="checkbox"/>		<input type="checkbox"/>	Mechanical Specification
<input type="checkbox"/>		<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process

PCN Details

Description of Change:

Texas Instruments Standard Linear and Logic is correcting the datasheet for LP2981/A; Spec "IGND" at the $I_L=100\text{mA}$ condition from separate specs for $V_{OUT}=2.8/3/3.3$ and $V_{OUT}=2.9/5$ to a single spec following the higher limits ($V_{OUT}=2.9/5$). Both the 25C and full temp range specs will change. (See Page 5 on the datasheets under "Electrical Characteristics").

Change From:

Parameter	Test Conditions	TA	LP2981A-xx			LP2981-xx			UNIT		
			MIN	TYP	MAX	MIN	TYP	MAX			
IGND	Ground Pin Current	$I_L = 0$	25C		65	95		65	95	uA	
			-40C to 125C			125			125		
		$I_L = 1\text{mA}$	25C		80	110		80	110		
			-40C to 125C			170			170		
		$I_L = 25\text{mA}$	25C		200	300		200	300		
			-40C to 125C			550			550		
		$I_L = 100\text{mA}$	$V_{OUT} = 2.8\text{V}, 3\text{V}, 3.3\text{V}$	25C		600	800		600		800
				-40C to 125C			1500				1500
		$V_{ON/OFF} < 0.3\text{V (OFF)}$		25C		0.01	0.8		0.01		0.8
				-40C to 105C		0.05	2		0.05		2
$V_{ON/OFF} < 0.15\text{V (OFF)}$		-40C to 125C			5			5			

Change To:

Parameter	Test Conditions	TA	LP2981A-xx			LP2981-xx			UNIT		
			MIN	TYP	MAX	MIN	TYP	MAX			
IGND	Ground Pin Current	$I_L = 0$	25C		65	95		65	95	uA	
			-40C to 125C			125			125		
		$I_L = 1\text{mA}$	25C		80	110		80	110		
			-40C to 125C			170			170		
		$I_L = 25\text{mA}$	25C		200	300		200	300		
			-40C to 125C			550			550		
		$I_L = 100\text{mA}$		25C		600	1000		600		1000
				-40C to 125C			1700				1700
		$V_{ON/OFF} < 0.3\text{V (OFF)}$		25C		0.01	0.8		0.01		0.8
				-40C to 105C		0.05	2		0.05		2
$V_{ON/OFF} < 0.15\text{V (OFF)}$		-40C to 125C			5			5			

Literature Number

Device Type	Current Literature #	New Literature #
LP2981/A	SLVS521E	SLVS521F

Reason for Change:

This notification is to correct the Datasheet for LP2981/A devices.

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

Texas Instruments does not anticipate a negative impact on fit, form, function, quality nor reliability.

Changes to product identification resulting from this PCN:

There are no changes to product identification.

Product Affected:

LP2981-28DBVR	LP2981-33DBVRG4	LP2981A-30DBVR
LP2981-28DBVRE4	LP2981-33DBVT	LP2981A-30DBVRE4
LP2981-28DBVRG4	LP2981-33DBVTE4	LP2981A-30DBVRG4
LP2981-28DBVT	LP2981-33DBVTG4	LP2981A-30DBVT
LP2981-28DBVTE4	LP2981-50DBVR	LP2981A-30DBVTE4
LP2981-28DBVTG4	LP2981-50DBVRG4	LP2981A-30DBVTG4
LP2981-29DBVR	LP2981-50DBVT	LP2981A-33DBVR
LP2981-29DBVRG4	LP2981-50DBVTG4	LP2981A-33DBVRE4
LP2981-29DBVT	LP2981A-28DBVR	LP2981A-33DBVRG4
LP2981-29DBVTG4	LP2981A-28DBVRE4	LP2981A-33DBVT
LP2981-30DBVR	LP2981A-28DBVRG4	LP2981A-33DBVTE4
LP2981-30DBVRE4	LP2981A-28DBVT	LP2981A-33DBVTG4
LP2981-30DBVRG4	LP2981A-28DBVTE4	LP2981A-50DBVR
LP2981-30DBVT	LP2981A-28DBVTG4	LP2981A-50DBVRG4
LP2981-30DBVTE4	LP2981A-29DBVR	LP2981A-50DBVT
LP2981-30DBVTG4	LP2981A-29DBVRG4	LP2981A-50DBVTG4
LP2981-33DBVR	LP2981A-29DBVT	
LP2981-33DBVRE4	LP2981A-29DBVTG4	

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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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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