



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN# 20130321002
MSL level change for family of ADS78* devices in PW package
Information Only**

Date: 4/10/2013
To: MOUSER PCN

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

20130321002
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
ADS7828E/250	null
ADS7828EB/250	null
ADS7830IPWR	null
ADS7830IPWT	null
ADS7830IPWTG4	null

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

PCN Number:	20130321002		PCN Date:	04/10/2013								
Title:	MSL level change for family of ADS78* devices in PW package											
Customer Contact:	PCN Manager	Phone:	+1(214) 480-6037	Dept: Quality Services								
Proposed 1st Ship Date:	04/11/2013	Estimated Sample Availability:	04/10/2013									
Change Type:												
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Assembly Materials							
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification	<input type="checkbox"/>	Mechanical Specification							
<input type="checkbox"/>	Test Site	<input checked="" 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:												
The MSL for the ADS78* family of devices in PW package will be improved as follows:												
<table border="1"> <thead> <tr> <th rowspan="2">Package</th> <th colspan="2">Moisture Sensitivity</th> </tr> <tr> <th>Change From:</th> <th>Change To:</th> </tr> </thead> <tbody> <tr> <td>PW</td> <td>Level 2-260C</td> <td>Level 1-260C</td> </tr> </tbody> </table>					Package	Moisture Sensitivity		Change From:	Change To:	PW	Level 2-260C	Level 1-260C
Package	Moisture Sensitivity											
	Change From:	Change To:										
PW	Level 2-260C	Level 1-260C										
Reason for Change:												
Devices have been qualified to MSL 1												
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):												
None												
Changes to product identification resulting from this PCN:												
Packing label on bag, box, reel will indicate: 'MS LVL:1'												
Product Affected:												
ADS7828E/250	ADS7828E/2K5G4	ADS7828EB/2K5	ADS7830IPWRG4									
ADS7828E/250G4	ADS7828EB/250	ADS7828EB/2K5G4	ADS7830IPWT									
ADS7828E/2K5	ADS7828EB/250G4	ADS7830IPWR	ADS7830IPWTG4									

Qualification Data: Approved 3/XX/2013

This qualification has been specifically developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.

Qualification Device: ADS7830IPW (MSL 1-260C)

Package Construction Details

Assembly Site:	TI Malaysia	Mold Compound:	4206193
# Pins-Designator, Family:	16-PW, TSSOP	Lead Finish:	NiPdAu

Qualification: Plan Test Results

Reliability Test	Conditions	Sample Size/Fail	
		Lot#1	Lot#2
**Unbiased HAST	130C/85%RH (96 Hrs)	78/0	80/0
**T/C -65C/150C	-65C/+150C (500 Cyc)	77/0	80/0
Manufacturability (Assembly)	(per mfg. Site specification)	pass	pass
Moisture Sensitivity	(level 1 @ 260C peak +5/-0C)	pass	pass
** - Test requires Moisture Preconditioning (MSL1-260C)			

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