

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: <input type="checkbox"/> Plan <input checked="" type="checkbox"/> 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