



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20121026000
Notification of Die Revision for TPS621XX Devices
Change Notification / Sample Request

Date: 11/1/2012
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).

Sincerely,

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










20121026000
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
TLV62130RGTT	null
TLV62150RGTT	null
TPS62130RGTT	null
TPS62140RGTT	null
TPS62142RGTT	null
TPS62143RGTT	null
TPS62150RGTT	null
TPS62152RGTT	null

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

PCN Number:	20121026000	PCN Date:	11/01/2012												
Title:	Notification of Die Revision for TPS621XX Devices														
Customer Contact:	PCN Manager	Phone:	+1(214)480-6037												
Dept:	Quality Services														
Proposed 1st Ship Date:	02/01/ 2013	Estimated Sample Availability:	Date provided at sample request												
Change Type:															
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process												
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Assembly Process												
<input checked="" type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification												
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Mechanical Specification												
<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Packing/Shipping/Labeling												
<input type="checkbox"/>	Test Process	<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 Bump Process												
<input type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials												
<input type="checkbox"/>	Wafer Fab Process	<input type="checkbox"/>	Wafer Fab Process												
PCN Details															
Description of Change:															
This purpose of this notification is to inform of a die revision for TPS621XX devices. This is a full level redesign for the High Side Gate Driver, Input Buffer and EN Logic. Details are provided below.															
Die Revision:															
Device Family	Change From:	Change To:													
TPS62130	LTPS62130D2	LTPS62130F													
Reason for Change:															
To improve device 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 table & sample label below:															
Current	New														
Die Rev [2P]	Die Rev [2P]														
D	F														
Sample product shipping label to indicate die rev location (not actual product label)															
<table border="1"> <tr> <td>  TEXAS INSTRUMENTS MADE IN: Malaysia 2DC: 2Q: </td> <td>  G4 </td> <td>  </td> <td> (1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY(1T) 7523483SI2 (P) (2P) REV: (V) 0033317 (20L) CS0: SHE (21L) CCO:USA (22L) AS0: MLA (23L) ACO: MYS </td> </tr> <tr> <td> <table border="1"> <tr> <td>MSL '2 /260C/1 YEAR</td> <td>SEAL DT</td> </tr> <tr> <td>MSL 1 /235C/UNLIM</td> <td>03/29/04</td> </tr> </table> </td> <td colspan="3"> OPT: ITEM: 39 LBL: 5A (L)T0:1750 </td> </tr> </table>				 TEXAS INSTRUMENTS MADE IN: Malaysia 2DC: 2Q:	 G4		(1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY(1T) 7523483SI2 (P) (2P) REV: (V) 0033317 (20L) CS0: SHE (21L) CCO:USA (22L) AS0: MLA (23L) ACO: MYS	<table border="1"> <tr> <td>MSL '2 /260C/1 YEAR</td> <td>SEAL DT</td> </tr> <tr> <td>MSL 1 /235C/UNLIM</td> <td>03/29/04</td> </tr> </table>	MSL '2 /260C/1 YEAR	SEAL DT	MSL 1 /235C/UNLIM	03/29/04	OPT: ITEM: 39 LBL: 5A (L)T0:1750		
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MSL '2 /260C/1 YEAR	SEAL DT														
MSL 1 /235C/UNLIM	03/29/04														

Product Affected:			
TLV62130RGTR	TPS62131RGTT	TPS62141RGTR	TPS62150RGTT
TLV62130RGTT	TPS62132RGTR	TPS62141RGTT	TPS62151RGTR
TLV62150RGTR	TPS62132RGTT	TPS62142RGTR	TPS62151RGTT
TLV62150RGTT	TPS62133RGTR	TPS62142RGTT	TPS62152RGTR
TPS62130RGTR	TPS62133RGTT	TPS62143RGTR	TPS62152RGTT
TPS62130RGTT	TPS62140RGTR	TPS62143RGTT	TPS62153RGTR
TPS62131RGTR	TPS62140RGTT	TPS62150RGTR	TPS62153RGTT
Qualification Plan:			
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 Schedule:	Start:	12/5/2012	End: 1/30/2013
Qual Vehicle: TPS62130RGT			
Die Construction Details			
Wafer Fab Site:	MIHO8	Wafer Fab Process:	LBC7
Wafer Diameter:	200mm	Mold Compound:	4208625
Assembly Site:	CLARK-AT	Mount Compound:	4207768
# Pins-Designator, Family:	16-RGT, QFN	Leadframe (Finish, Base):	NiPdAu, Cu
Qualification:	<input checked="" type="checkbox"/> Plan	<input type="checkbox"/> Test Results	
Reliability Test	Conditions	Sample Size/Fail	
Electrical Characterization (TPS62130)	Full temp & Voltage range	30/0	
Incremental Electrical Char. (TPS6213x options)	Full temp & Voltage range	5/0	
Incremental Electrical Char. (TPS6214x options)	Full temp & Voltage range	5/0	
Incremental Electrical Char. (TPS6215x options)	Full temp & Voltage range	5/0	
ESD HBM	1000V	3/0	
ESD CDM	250 V	3/0	
Latch-up	Per JESD78	6/0	
Test MQ	FT yield and bin summary	1/0	
Wafer Fab MQ	Per Fab spec (Miho8)	1/0	
FTY and Bin Summary	-	1/0	

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