



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN#2015052000
Qualification of PTI as an alternate Assembly/Test site for
Hendrix RLG Family of Devices
Change Notification / Sample Request

Date: 5/28/2015
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).

Sincerely,

PCN Team
SC Business Services


20150520000
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
LMZ31520RLGT	null
LMZ31530RLGT	null

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

PCN Number:	2015052000		PCN Date:	05/28/2015									
Title:	Qualification of PTI as an alternate Assembly/Test site for Hendrix RLG Family of Devices												
Customer Contact:	PCN Manager	Dept:	Quality Services										
Proposed 1st Ship Date:	08/28/2015	Estimated Sample Availability:	Date provided upon request										
Change Type:													
<input checked="" type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>									
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification	<input type="checkbox"/>									
<input checked="" 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>Texas Instruments is pleased to announce the qualification of Powertech Technology (PTI) as an alternate Assembly and test site for Hendrix RLG Family of Devices listed below. The material set will be the same between the 2 sites.</p> <p>Test coverage, insertions, conditions will remain consistent with current testing and verified with test MQ.</p>													
Reason for Change:													
Continuity of Supply													
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):													
None													
Changes to product identification resulting from this PCN:													
<table border="1"> <tr> <td colspan="3">Assembly Site</td> </tr> <tr> <td>TI Malaysia</td> <td>Assembly Site Origin (22L)</td> <td>ASO: MLA</td> </tr> <tr> <td>Powertech Technology (PTI)</td> <td>Assembly Site Origin (22L)</td> <td>ASO: PT2</td> </tr> </table> <p>Sample product shipping label (not actual product label)</p>					Assembly Site			TI Malaysia	Assembly Site Origin (22L)	ASO: MLA	Powertech Technology (PTI)	Assembly Site Origin (22L)	ASO: PT2
Assembly Site													
TI Malaysia	Assembly Site Origin (22L)	ASO: MLA											
Powertech Technology (PTI)	Assembly Site Origin (22L)	ASO: PT2											
 <p>The image shows a Texas Instruments product label. On the left, it says 'TEXAS INSTRUMENTS', 'MADE IN: Malaysia', '2DC: 2Q:', 'MSL 2 /260C/1 YEAR', 'SEAL DT', 'MSL 1 /235C/UNLIM', '03/29/04', 'OPT: ITEM: 39', and 'LBL: 5A (L)T0:1750'. In the center is a QR code. On the right, it lists various codes: '(1P) SN74LS07NSR', '(Q) 2000', '(D) 0336', '(31T) LOT: 3959047MLA', '(4W) TKY (1T) 7523483SI2', '(P)', '(2P) REV:', '(V) 0033317', '(20L) CSO: SHE', '(21L) CCO:USA', '(22L) ASO: MLA', and '(23L) ACO: MYS'. The '(22L) ASO: MLA' is circled in red.</p>													
Topside Device marking:													
Assembly site code for MLA= K													
Assembly site code for PT2= C													
Product Affected													
LMZ31520RLGR	LMZ31520RLGT	LMZ31530RLGR	LMZ31530RLGT										

Qualification Report

Qualification of Power Tech (PTI) Taiwan for assembly of LMZ31530RLG

Product Attributes

Attributes	Qual Device: LMZ31530RLG	QBS Package: TPS84620RUQ
Assembly Site	PTI-TAIWAN	PTI-TAIWAN
Package Family	QFN	QFN
Flammability Rating	UL 94 V-0	UL 94 V-0
Wafer Fab Site	MIHO 8	MIHO 8
Wafer Fab Process	LBC7	LBC7

- Qual Device TPS84620RUQ is qualified at LEVEL3-260C

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: LMZ31530RLG	QBS Package: TPS84620RUQ
PC	Preconditioning Level 3	260C	3/308/0	3/231/0
THB	Biased Temperature and Humidity, 85C/85%RH	1000 hours	1/77/0	1/77/0
UHA	Unbiased HAST 110C/85%RH	264 hours	1/77/0	3/231/0
TC	Temperature Cycle, -55/125C	700 cycles	1/77/0	-
TC	Temperature Cycle, -65/150C	500 cycles	-	3/231/0
PRCL	Power Cycle, 25C	1000 hours	1/40/0	-
HTSL	High Temp Storage Bake 150C	1000 hours	1/77/0	1/77/0
HTOL	Life Test, 125C	1000 hours	1/77/0	1/77/0
ED	Electrical Characterization	Per Datasheet Parameters	Pass	-

- 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 : -55C/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 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