



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN# 20140212000
Design Change for VCA2615 Devices
Change Notification / Sample Request**

Date: 2/13/2014
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

20140212000
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
VCA2615RGZT

CUSTOMER PART NUMBER
null

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

PCN Number:	20140212000			PCN Date:	02/13/2014				
Title:	Design Change for VCA2615 Devices								
Customer Contact:	PCN Manager	Phone:	+1(214)480-6037	Dept:	Quality Services				
Proposed 1st Ship Date:	05/13/2014	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 checked="" type="checkbox"/>	Design	<input type="checkbox"/>	Electrical 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"/>	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				
		<input type="checkbox"/>	Part number change						
PCN Details									
Description of Change:									
<p>This notification is to inform of a design revision for select VCA2615 devices. This design change does not affect the device's guaranteed datasheet specifications or electrical performance. The affected devices are listed in the "Product Affected" section.</p> <p>The table below describes changes that were made:</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Description of Change</th> <th style="text-align: left;">Benefit of Change</th> </tr> </thead> <tbody> <tr> <td>ALR change for device VCA2615 to fix cold temp start-up issue in internal reference circuitry.</td> <td>Avoid cold temp start-up issue & mismatch problems.</td> </tr> </tbody> </table>						Description of Change	Benefit of Change	ALR change for device VCA2615 to fix cold temp start-up issue in internal reference circuitry.	Avoid cold temp start-up issue & mismatch problems.
Description of Change	Benefit of Change								
ALR change for device VCA2615 to fix cold temp start-up issue in internal reference circuitry.	Avoid cold temp start-up issue & mismatch problems.								
Reason for Change:									
To fix cold temp start-up issue & to improve matching									
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):									
None									

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




See additional data on the following page

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]
K	M

Sample product shipping label to indicate die rev location (**not actual product label**)

 TEXAS INSTRUMENTS MADE IN: Malaysia 2DC: 2Q: <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> OPT: ITEM: 39 LBL: 5A (L)T0:1750	MSL '2 /260C/1 YEAR	SEAL DT	MSL 1 /235C/UNLIM	03/29/04	 	(1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY(1T) 7523483SI2 (P) (2P) REV: (V) 0033317 (20L) CS0: SHE (21L) CC0:USA (22L) AS0: MLA (23L) AC0: MYS
MSL '2 /260C/1 YEAR	SEAL DT					
MSL 1 /235C/UNLIM	03/29/04					

Product Affected:

VCA2615PFBR	VCA2615RGZR	VCA2615RGZT	VCA2615RGZTG4
VCA2615PFBT	VCA2615RGZRG4		

Qualification Data: Approved 2/11/2014

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.

Qual Vehicle: VCA2615RGZ**Package/Die Construction Details**

Assembly Site:	CRS	Die Revision:	M
Fab Site:	TSMC FAB2	# Pins-Designator, Family:	48-RGZ, QFN

Qualification: ☐ Plan ☒ **Test Results**

Reliability Test	Conditions	Sample Size / Fail		
		Lot#1	Lot#2	Lot#3
Electrical Characterization	Per Datasheet Parameters	Pass	--	--
ESD CDM	250V	3/0	3/0	3/0
ESD HBM	1000V	3/0	3/0	3/0
Latch-up	(per JESD78)	6/0	6/0	6/0