PCN Number:		20140212000							PCN Da	te:	02/13/2014		
Title: Design Change for VCA2615 Devices													
Customer Contact:		PCN /	PCN Manager			ne:	+1(214)480-	+1(214)480-6037			ality Services		
Proposed 1 st Ship Da		ote: 05/13/20)14	·	Estim	d Sample ailability:		Date provided at sample request			
Change	Type:												
Asse	embly Site		Assembly Process				Assembly Materials						
□ Des	ign			Electrical Specification				ecification					
Test	Site			Packing/Shipping/Labeling Test Process									
	er Bump Site			Wafer I						Wafer Bump Process			
Waf	er Fab Site			Wafer I	Fab Ma	ateria	als		Wafer Fal	Wafer Fab Process			
			Part number change										
					PC	N D	etails						
Descrip	tion of Chang	je:											
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.													
The table below describes changes that were made:													
Description of Change Benefit of Change													
ALR change for device VCA2615 to fix cold terstart-up issue in internal reference circuitry.				· ·									
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

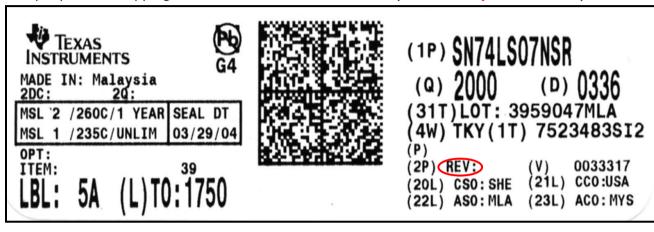
See additional data on the following page

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)



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

Qualification: Plan Test Results

Reliability Test	Conditions	Sample Size / Fail			
Reliability Test	Conditions	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	