



PCN# 20140303000
Qualification of Amkor Philippines as Alternate Assembly/Test site for select PQFN
Devices
Change Notification / Sample Request

Date: 3/3/2014
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

20140303000

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
CSD16321Q5	null
CSD16322Q5	null
CSD16323Q3	null
CSD16325Q5	null
CSD16327Q3	null
CSD16401Q5	null
CSD16406Q3	null
CSD16407Q5	null
CSD16408Q5	null
CSD16409Q3	null
CSD16411Q3	null
CSD16414Q5	null
CSD16415Q5	null
CSD17303Q5	null
CSD17304Q3	null
CSD17308Q3	null
CSD17309Q3	null
CSD17311Q5	null
CSD17312Q5	null
CSD17559Q5	null
CSD18502Q5B	null
CSD25401Q3	null
CSD86330Q3D	null

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

PCN Number:	20140303000			PCN Date:	03/03/2014																		
Title:	Qualification of Amkor Philippines as Alternate Assembly/Test site for select PQFN Devices																						
Customer Contact:		PCN Manager	Phone:	+1(214)480-6037	Dept:																		
Proposed 1st Ship Date:		06/03/2014	Estimated Sample Availability:		03/03/2014																		
Change Type:																							
<input checked="" 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 checked="" 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:																							
Amkor Philippines is being qualified as an additional Assembly/Test site for the devices listed below. There are no BOM differences between devices assembled at Amkor Philippines versus the current Assembly site.																							
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="2">Assembly Site</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td>PSI</td> <td></td> <td colspan="2">Assembly Site Origin (22L)</td> <td colspan="2">ASO: PAC</td> </tr> <tr> <td>Amkor Philippines</td> <td></td> <td colspan="2">Assembly Site Origin (22L)</td> <td colspan="2">ASO: AP3</td> </tr> </table>						Assembly Site						PSI		Assembly Site Origin (22L)		ASO: PAC		Amkor Philippines		Assembly Site Origin (22L)		ASO: AP3	
Assembly Site																							
PSI		Assembly Site Origin (22L)		ASO: PAC																			
Amkor Philippines		Assembly Site Origin (22L)		ASO: AP3																			
Sample product shipping label (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 (2Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY(1T) 7523483SI2 (P) (2P) REV: (V) 0033317 (20L) CSO: SHE (21L) CCO:USA (22L) ASO: MLA (23L) ACO: MYS																
MSL 2 / 260C/1 YEAR	SEAL DT																						
MSL 1 / 235C/UNLIM	03/29/04																						
Topside Device marking: Assembly site code for PAC= E Assembly site code for AP3= 3																							

Product Affected			
CSD16321Q5	CSD16407Q5	CSD17304Q3	CSD18502Q5B
CSD16322Q5	CSD16408Q5	CSD17308Q3	CSD25401Q3
CSD16323Q3	CSD16409Q3	CSD17309Q3	CSD58887Q3
CSD16325Q5	CSD16411Q3	CSD17311Q5	CSD86330Q3D
CSD16327Q3	CSD16414Q5	CSD17312Q5	CSD95372BQ5MC
CSD16401Q5	CSD16415Q5	CSD17559Q5	CSD95373BQ5MC
CSD16406Q3	CSD17303Q5		

Qualification Data – Approved February, 2014

This qualification has been developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.

Qual Vehicle#1: CSD16323Q3 (MSL 1-260C)

Package Construction Details

Assembly Site:	AK3	Mold Compound:	SID#202828
# Pins-Designator, Family:	8-DQG, VSON	Mount Solder:	SID#200757
Lead Finish	Matte Sn	Bond Wire:	2mil, Au

Qualification: Plan Test Results

Reliability Test	Conditions	Sample Size/Fail		
		Lot#1	Lot#2	Lot#3
**Autoclave	121°C/100% RH (96 Hrs)	77/0	77/0	77/0
**T/C -40C/125C	-40C/+125C (1000 Cyc)	77/0	77/0	77/0
**THB	85°C/85%R.H./80% Rated Vds (1000 Hrs)	77/0	77/0	77/0
HTRB	150°C/80% Rated Vds (1000 hrs)	77/0	77/0	77/0
HTGB	150°C/80% Rated Vgs (1000 hrs)	77/0	77/0	77/0
Intermittent Op Life	Delta T _j = 100°C 2 min on/2 min off (10K Cyc)	77/0	77/0	77/0

Notes **- Preconditioning sequence: Level 1-260C.

Qualification Data – Approved February, 2014

This qualification has been developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.

Qual Vehicle#1: CSD17312Q5 (MSL 1-260C)

Package Construction Details

Assembly Site:	AK3	Mold Compound:	SID#202828
# Pins-Designator, Family:	8-DQH, VSON	Mount Solder:	SID#200757
Lead Finish	Matte Sn	Bond Wire:	2mil, Au

Qualification: Plan Test Results

Reliability Test	Conditions	Sample Size/Fail		
		Lot#1	Lot#2	Lot#3
**Autoclave	121°C/100% RH (96 Hrs)	77/0	77/0	77/0
**T/C -40C/125C	-40C/+125C (1000 Cyc)	77/0	77/0	77/0
**THB	85°C/85%R.H./80% Rated Vds (1000 Hrs)	77/0	77/0	77/0
HTRB	150°C/80% Rated Vds (1000 hrs)	77/0	77/0	77/0
HTGB	150°C/80% Rated Vgs (1000 hrs)	77/0	77/0	77/0
Intermittent Op Life	Delta T _j = 100°C 2 min on/2 min off (10K Cyc)	77/0	77/0	77/0

Notes **- Preconditioning sequence: Level 1-260C.

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