

PCN Number:	20140303000A		PCN Date:	03/10/2014									
Title:	Qualification of Amkor Philippines as Alternate Assembly/Test site for select PQFN Devices												
Customer Contact:	PCN Manager	Phone:	+1(214)480-6037	Dept: Quality Services									
Proposed 1st Ship Date:	06/05/2014	Estimated Sample Availability:	03/05/2014										
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:													
<p>Revision A is to announce the retraction of select devices. These devices will continue to be assembled in their existing assembly site. Affected devices are identified with a strikethrough and are highlighted in yellow in the Product Affected Section.</p> <p>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.</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>PSi</td> <td>Assembly Site Origin (22L)</td> <td>ASO: PAC</td> </tr> <tr> <td>Amkor Philippines</td> <td>Assembly Site Origin (22L)</td> <td>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)													
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: <input type="checkbox"/> Plan <input checked="" type="checkbox"/> 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 Tj = 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: <input type="checkbox"/> Plan <input checked="" type="checkbox"/> 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 Tj = 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