



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN#20150302000**

**Qualification of TI Taiwan as an Alternate Assembly and Test Site for PCM1807/8  
devices in the TSSOP package  
Change Notification / Sample Request**

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](mailto:PCN_ww_admin_team@list.ti.com)).

Sincerely,

PCN Team  
SC Business Services

**PCN# 20150302000**  
**Attachment: 1**

**Products Affected:**

According to our records, there are the affected device(s) that you have purchased within the past twenty-four (24) months. Technical details of this Product Change follow on the next page(s).

<b>PCN Number:</b>	20150302000		<b>PCN Date:</b>	3/03/2015
<b>Title:</b>	Qualification of TI Taiwan as an Alternate Assembly and Test Site for PCM1807/8 devices in the TSSOP package			
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services	
<b>Proposed 1<sup>st</sup> Ship Date:</b>	06/03/2015	<b>Estimated Sample Availability:</b>	Provided upon Request	
<b>Change Type:</b>				
<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	
<b>PCN Details</b>				
<b>Description of Change:</b>				
<p>Texas Instruments is pleased to announce the qualification of TI Taiwan as an alternate Assembly and test site for the family of PCM1807/8 devices in the TSSOP package. There will be no construction differences between devices built between the 2 locations.</p> <p>Test coverage, insertions, conditions will remain consistent with current testing and verified with test MQ.</p>				
<b>Reason for Change:</b>				
Continuity of Supply				
<b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>				
None				

<b>Changes to product identification resulting from this PCN:</b>		
Assembly Site		
TI Malaysia	Assembly Site Origin (22L)	ASO: MLA
<b>TI Taiwan</b>	<b>Assembly Site Origin (22L)</b>	<b>ASO: TAI</b>
Sample product shipping label (not actual product label)		
<b>Topside Device marking:</b> Assembly site code for MLA= K <b>Assembly site code for TAI= T</b>		

Product Affected				
PCM1807PW	PCM1807PWR	PCM1808PW	PCM1808PWR	
PCM1807PWG4	PCM1807PWRG4	PCM1808PWG4	PCM1808PWRG4	

**Qualification Report**

Green Mold Compound (4206193 )and Pb-free Reflow for the TSSOP Package  
Family  
Approved 12/08/2004

**Product Attributes**

Attributes	Qual Device: BQ8015DBT	Qual Device: SN761676DA	Qual Device: TAS3103DBT	Qual Device: TPS54900PW	Supporting QBS: MSP430F2274IDA
<b>Assembly Site</b>	TAI	TAI	TAI	TAI	TAI
<b>Package Family</b>	TSSOP	TSSOP	TSSOP	TSSOP	TSSOP
<b>Flammability Rating</b>	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0
<b>Wafer Fab Site</b>	TSMC2	HIJI	DMOS5	DFAB	TSMC-WF3
<b>Wafer Fab Process</b>	0.5u TLP/TLM	-	1833C05	LBC4	0.35-DPTM-FLASH

- QBS: Qual By Similarity
- Qual Device BQ8015DBT is qualified at LEVEL2-260C
- Qual Device SN761676DA is qualified at LEVEL2-260C
- Qual Device TAS3103DBT is qualified at LEVEL2-260C
- Qual Device TPS54900PW is qualified at LEVEL1-260C

**Qualification Results**

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

Type	Test Name / Condition	Duration	Qual Device: BQ8015DBT	Qual Device: SN761676DA	Qual Device: TAS3103DBT	Qual Device: TPS54900PW	Supporting QBS: MSP430F2274IDA
HAST	HAST 130C/85%RH	96 Hours	3/120/0	-	-	3/120/0	-
AC	Autoclave 121C	96 Hours	3/231/0	3/231/0	3/231/0	3/231/0	3/231/0
TC	Temperature Cycle - 65/150C	500 Cycles	3/231/0	3/231/0	3/231/0	3/231/0	3/231/0
HTSL	High-Temp Storage, 170C	420 Hours	3/231/0	3/231/0	3/231/0	3/231/0	3/200/0
TS	Thermal Shock - 65/150C	500 Cycles	3/231/0	3/231/0	3/231/0	3/231/0	-
HTOL	Life Test, 155C	240 Hours	3/120/0	-	-	3/120/0	-
FLAM	Flammability (IEC 695-2-2)	--	3/15/0	-	3/15/0	3/15/0	-
FLAM	Flammability (UL 94 V-0)	--	3/15/0	-	3/15/0	3/15/0	-

- 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

TI Qualification ID: a0195592007817132224

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	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
Japan	<a href="mailto:PCNJapanContact@list.ti.com">PCNJapanContact@list.ti.com</a>