

PCN Number:	20150302000		PCN Date:	3/03/2015	
Title:	Qualification of TI Taiwan as an Alternate Assembly and Test Site for PCM1807/8 devices in the TSSOP package				
Customer Contact:	PCN Manager	Dept:	Quality Services		
Proposed 1st Ship Date:	06/03/2015	Estimated Sample Availability:	Provided upon Request		
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>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>					
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:		
Assembly Site		
TI Malaysia	Assembly Site Origin (22L)	ASO: MLA
TI Taiwan	Assembly Site Origin (22L)	ASO: TAI
Sample product shipping label (not actual product label)		
<p> TEXAS INSTRUMENTS MADE IN: Malaysia 2DC: 20: MSL 2 /260C/1 YEAR SEAL DT MSL 1 /235C/UNLIM 03/29/04 OPT: ITEM: 39 LBL: 5A (L)T0:1750 </p> <p> G4 </p> <p> (1P) SN74LS07NSR (Q) 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 </p>		
Topside Device marking:		
Assembly site code for MLA= K		
Assembly site code for TAI= T		

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
Assembly Site	TAI	TAI	TAI	TAI	TAI
Package Family	TSSOP	TSSOP	TSSOP	TSSOP	TSSOP
Flammability Rating	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0
Wafer Fab Site	TSMC2	HIJI	DMOS5	DFAB	TSMC-WF3
Wafer Fab Process	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	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com