


Standardized Information for Process/Product Change Notification (PCN)

1. PCN basic data		
1.1 Company	 TAIWAN SEMICONDUCTOR	TAIWAN SEMICONDUCTOR CO., LTD
1.2 PCN No.	QPCN15010	
1.3 Title of PCN	Qualification of Mold Compound & Inner Structure Change in Package ABS & MBS Bridge Rectifiers	
1.4 Product Category	Semiconductor components	
1.5 Issue date	2015/06/25	
1.6 PCN revision history (optional)	1.7 Issue date of previous revision (optional)	1.8 Delta to previous revision (optional)

Form provided by ZVEI - Revision 1.8c

2. PCN Team		
2.1 Contact supplier		
2.1.1 Name	Owen Wang	
2.1.2 Phone	+886 2 8913 1588 ext. 2201	
2.1.3 Email	owen@mail.ts.com.tw	
2.2 Team supplier (optional)		
2.2.1 Name (optional)	2.2.2 Phone (optional)	2.2.3 Email (optional)
Savrina Tung	+886 2 8913-1588 Ext. 2114	savrina@mail.ts.com.tw

3. Changes		
	3.1 Category	3.2 Type of change
Change #1	Process - Assembly	Change in leadframe dimensions
Change #2	Process - Assembly	Change of mold compound
Change #3	Process - Assembly	Change of specified assembly process sequence
Change #4		
Change #5		

4. Description of change		
	Old	New
Change #1	Original inner structure (See attached comparison report)	Inner structure change (See attached comparison report)
Change #2	Die attaching process for manual	Die attaching process for automatic
Change #3	Mold compound source from A	Mold compound source from B
Change #4	Mold compound type Halogen-free from A	Mold compound type Halogen-free from B
Change #5		
4.6 Anticipated impact on form, fit, function, reliability or processability?	It was impacted on the fit & the function.	
4.7 Reference parts with customer number (optional)		


5. Reason / motivation for change	
5.1 Motivation	Mold compound change & inner structure change for soldering process and yield
5.2 Additional explanation (optional)	

6. Marking of parts / traceability of change	
6.1 Description	

7. Timing / schedule		
7.1 Date of qualification results	2015/05/08	
7.2 Last order date (optional)	2015/09/25	
7.3 Last delivery date (optional)	2016/09/25	
7.4 Intended start of delivery	2015/09/25	
7.5 Qualification samples available?		
	2015/06/25	
7.6 Customer feedback required until	2015/07/27	

8. Qualification / validation			
8.1 Description (e.g. qual. plan/report, AEC-Q...)	According to JESD		
8.2 Qualification report and qualification results	available (see attachment)	issue date	

9. Input to customer for risk assessment process	

10. Attachments (e.g. new datasheet, additional documentation, pictures, process flow, sample plan, ...)	
see attached involved part number list.	
 QPCN15010_Invol ved P-N list_20150615	

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Page 3 of 3