


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.	QPCN15003	
1.3 Title of PCN	Qualification of D3K Package New Inner Structure	
1.4 Product Category	semiconductor components	
1.5 Issue date	2015/05/27	
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	Jack Wei	
2.1.2 Phone	+886 2 8913 1588 ext. 2001	
2.1.3 Email	jack_wei@mail.ts.com.tw	
2.2 Team supplier (optional)		
2.2.1 Name (optional)	2.2.2 Phone (optional)	2.2.3 Email (optional)
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3. Changes		
	3.1 Category	3.2 Type of change
Change #1	Process - Assembly	Change in leadframe dimensions
Change #2	Process - Assembly	Process integrity: tuning within specification
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		
Change #4		
Change #5		
4.6 Anticipated impact on form, fit, function, reliability or processability?	It will be impacted in processability.	
4.7 Reference parts with customer number (optional)		


5. Reason / motivation for change	
5.1 Motivation	Inner construction change for soldering process and yield optimization.
5.2 Additional explanation (optional)	

6. Marking of parts / traceability of change	
6.1 Description	

7. Timing / schedule		
7.1 Date of qualification results	2015/04/24	
7.2 Last order date (optional)	2015/08/27	
7.3 Last delivery date (optional)	2016/08/27	
7.4 Intended start of delivery	2015/08/27	
7.5 Qualification samples available?		
7.6 Customer feedback required until	2015/06/29	

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	
 QPCN15003_Invol ved P-N list_20150304	

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