


**Standardized Information for Process/Product Change Notification (PCN)**

Form provided by ZVEI - Revision 5.0

1. PCN basic data		
1.1 Company	 TAIWAN SEMICONDUCTOR	TAIWAN SEMICONDUCTOR CO.,LTD
1.2 PCN No.	PCN22007	
1.3 Title of PCN	SMD and Axial Package TVS less than 10V Additional Wafer Source	
1.4 Product Category	Active Components - Discrete Components	
1.5 Issue date	2022/05/04	
1.6 PCN revision history (optional)	1.7 Issue date of previous revision (optional)	1.8 Delta to previous revision (optional)

2. PCN Team		
2.1 Contact supplier		
2.1.1 Name	Delia Chang	
2.1.2 Phone	+886-3-928-5017 Ext:315	
2.1.3 Email	delia.chang@mail.ts.com.tw	
2.2 Team supplier (optional)		
2.2.1 Name (optional)	2.2.2 Phone (optional)	2.2.3 Email (optional)
Daisy Liang	+86 5438691091 ext. 3103	daisy@mail.tsyew.com.cn

3. Changes			
No.	3.0 Ident	3.1 Category	3.2 Type of change
#1	SEM-PW-03	PROCESS - WAFER PRODUCTION	New final wafer thickness
#2	SEM-PW-08	PROCESS - WAFER PRODUCTION	New / change of passivation or die coating (without bare die)
#3	SEM-PW-13	PROCESS - WAFER PRODUCTION	Move of all or part of wafer fab to a different location/site/subcontractor

4. Description of change		
	Old	New
Change #1	wafer source: ANOVA	wafer source: ANOVA + LiJe
Change #2		
Change #3		
4.1 Anticipated impact on form, fit, function, reliability or processability?	There is no impact in product Form, Fit and Function. This change will guarantee Taiwan Semiconductor commitment on customer service and satisfaction through continuous improvement.	
4.2 Reference parts with customer number (optional)		

5. Reason / motivation for change	
5.1 Motivation	This change notification is being issued to notify customer that in order to ensure continuity of supply, Taiwan Semiconductor Company is qualifying its own wafer fabrication located in Li-je for TVS <10V, assembled in SMA/ SMB/ SMC/ DO-15/ DO-41/ DO-201 package.
5.2 Additional explanation (optional)	

6. Marking of parts / traceability of change	
6.1 Description	Use date code to trace the change

7. Timing / schedule		
7.1 Date of qualification results	2022/04/12	
7.2 Last order date (optional)	2022/10/31	
7.3 Last delivery date (optional)	2023/10/31	
7.4 Intended start of delivery	2022/08/02	
7.5 Qualification samples available?	When get customer order and after 2 weeks can be submitted	
7.6 Customer feedback required until	2022/06/18	

8. Qualification / validation			
8.1 Description (e.g. qual. plan/report, AEC-Q...)	According to AEC-Q101		
8.2 Qualification report and qualification results	available (see attachment)	▼ issue date	

9. Input to customer for risk assessment process
Reliability tests performance has been completed on the products to ensure no change on the device functionality or electrical specifications in the datasheet.

10. Attachments (e.g. new datasheet, additional documentation, pictures, process flow, sample plan, ...)
Refer to the official e-mail announcement for the applicable documents.

11. Affected parts									
11.1 Current						11.2 New (if applicable)			
11.1.1 Customer Part No.	11.1.2 Supplier Part Name	11.1.3 Supplier Part No. (optional)	11.1.4 Package Name	11.1.5 Part Description (optional)	11.1.6 Additional Part Information (optional)	11.2.2 Supplier Part Name	11.2.3 Supplier Part No. (optional)	11.2.4 Package Name	11.2.6 Additional Part Information (optional)
