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.	PCN22005	
1.3 Title of PCN	SSD products bonding wire and wafer diameter change	
1.4 Product Category	Active Components - Discrete Components ▼	
1.5 Issue date	**2022/05/03**	
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)**
Jen Peralta	+886 8913 1588 ext. 2406	jen.peralta@mail.ts.com.tw

3. Changes

No.	3.0 Ident	3.1 Category	3.2 Type of change
#1	**SEM-PW-02**	PROCESS - WAFER PRODUCTION	New wafer diameter
#2	**SEM-PA-08**	PROCESS - ASSEMBLY	Change of wire bonding
#3	**SEM-PA-16**	PROCESS - ASSEMBLY	Change of direct material supplier

4. Description of change

	Old	New
Change #1	Wafer diameter: 5"	Wafer diameter: 6"
Change #2	wire：Au	wire：Cu
Change #3		
4.1 Anticipated impact on form, fit, function, reliability or processability?	There is no impact on the form, fit, function, reliability or process ability. 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	To ensure the continuity of supply and guarantee commitment on customer service and satisfaction.
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	2021/11/19	
7.2 Last order date (optional)	2022/10/30	
7.3 Last delivery date (optional)	2023/10/30	
7.4 Intended start of delivery	2022/08/01	
7.5 Qualification samples available?	When get customer order and after 2 weeks can be submitted	
7.6 Customer feedback required until	2022/06/17	

8. Qualification / validation

8.1 Description **(e.g. qual. plan/report, AEC-Q...)**	According to JESD-22 and JESD-47			
8.2 Qualification report and qualification results	available (see attachement) ▼	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)**
