


Standardized Information for Process/Product Change Notification (PCN)

1. PCN basic data		
1.1 Company		
1.2 PCN No.	PCN17014-1	
1.3 Title of PCN	A new fully-automated SMB backend assembly line increase	
1.4 Product Category	Active Components - Discrete Components	
1.5 Issue date	2019/01/10	
1.6 PCN revision history (optional)	1.7 Issue date of previous revision (optional)	1.8 Delta to previous revision (optional)
PCN17014	2017/02/23	A new fully-automated SMB backend assembly line increase

Form provided by ZVEI - Revision 3.0.0

2. PCN Team		
2.1 Contact supplier		
2.1.1 Name	Sunnie Lin	
2.1.2 Phone	+886-2-8913-1588 Ext:2205	
2.1.3 Email	sunnie.lin@mail.ts.com.tw	
2.2 Team supplier (optional)		
2.2.1 Name (optional)	2.2.2 Phone (optional)	2.2.3 Email (optional)
Danny Lin	+886-2-8913-1588 Ext:2133	danny_lin@mail.ts.com.tw
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3. Changes			
No.	3.0 Ident	3.1 Category	3.2 Type of change
#1	SEM-PA-03	PROCESS - ASSEMBLY	Change in leadframe dimensions
#2	SEM-PA-11	PROCESS - ASSEMBLY	Change of mold compound / encapsulation material
#3	SEM-PA-13	PROCESS - ASSEMBLY	Change of product marking
#4	SEM-PA-14	PROCESS - ASSEMBLY	Change in process technology (e.g. sawing, die attach, bonding, moulding, plating, trim and form, lead frame preparation, ...)
#5	SEM-PS-03	PACKING/SHIPPING	Change of carrier (tray, reel)

4. Description of change		
	Old	New
Change #1	manual SMB production line	1.manual SMB production line 2.fully-automated SMB production line
Change #2	Lead Frame Supplier : A Material : Copper	1.manual SMB Lead Frame Supplier : A Material : Copper 2.fully-automated SMB Lead Frame Supplier : B Material : Copper

Change #3	Molding Compound Consumer (Non-HF) Type: EME-1100 Supplier : A Material : Epoxy Consumer (HF) Type: EME-E110 Supplier : A Material : Epoxy	1.manual SMB Consumer (Non-HF) Type: EME-1100 Supplier : A Material : Epoxy Consumer (HF) Type: EME-E110 Supplier : A Material : Epoxy 2. fully-automated SMB Consumer (Non-HF) Type: EME-66XX series Supplier : B Material : Epoxy Consumer (HF) Type: EME-E500 Supplier : A Material : Epoxy
Change #4	Marking no square around datecode	1.manual SMB Marking no special square around datecode 2. fully-automated SMB Marking add special square around datecode
Change #5	Packing Refer to the picture of the comparison report	Packing Refer to the picture of the comparison report
4.6 Anticipated impact on form, fit, function, reliability or processability?	No impact in form, fit, function and reliability but better processability for less human handling	
4.7 Reference parts with customer number (optional)		

5. Reason / motivation for change	
5.1 Motivation	To increase SMB capacity in assembly line for green and non-green
5.2 Additional explanation (optional)	

6. Marking of parts / traceability of change	
6.1 Description	Use the datecode control

7. Timing / schedule		
7.1 Date of qualification results	2016/09/29	
7.2 Last order date (optional)		Not applicable
7.3 Last delivery date (optional)		Not applicable
7.4 Intended start of delivery	2019/07/01	
7.5 Qualification samples available?	When get customer order and after 2 weeks can be submitted	
7.6 Customer feedback required until	2019/02/16	

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 attachement)	issue date	2016/09/29

9. Input to customer for risk assessment process
Human Resource : Low Risk Equipment : Low Risk Technique-Wafer : Low Risk Technique-Assembly : Low Risk Sample submit time : within 30 days Form/ Fit / Function : Low Risk Reliability : Low Risk

10. Attachments (e.g. new datasheet, additional documentation, pictures, process flow, sample plan, ...)
Please see in the official announcement mail.

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)