Standardized Information for Process/Product Change Notification (PCN)

Standardized information for Process			
	1. PCN	basic data	
1.1 Company TAIWAN SEMICONDUCTOR	3		
1.2 PCN No.	PCN17008		
1.3 Title of PCN	A new fully-automated SMA backend assembly line transfer		
1.4 Product Category	Active Components - Discr	Active Components - Discrete Components	
1.5 Issue date	2017/02/07		▼
1.6 PCN revision history (optional)	1.7 Issue date of previous revision (optional)	1.8 Delta to previous revision (optional)	

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sunnie@mil.ts.com.tw		
2.2.2 Phone (optional)	2.2.3 Email (optional)	
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+86-543-869-1091 Ext:3108	may@mail.tsyew.com.cn	
+886-2-8913-1588 Ext:2125	celia@mail.ts.com.tw	
	+886-2-8913-1588 Ext:2104 +86-543-869-1091 Ext:3108	+886-2-8913-1588 Ext:2104

	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 preperation,)			
#5	SEM-PS-03	PACKING/SHIPPING	Change of carrier (tray, reel)			

4. Description of change					
	Old	New			
Change #1	manual SMA production line	fully-automated SMA production line			
Change #2	Lead Frame Supplier : Heyi Material : Copper	Lead Frame Supplier: ASM Material: Copper			
Change #3	Molding Compound Automotive (Non-HF) Type: EME-66XX series Supplier: Sumitomo Material: Epoxy Automotive (HF) Type: EME-E110 Supplier: Changchun Material: Epoxy	Molding Compound Automotive (Non-HF) Type: EME-66XX series Supplier: Sumitomo Material: Epoxy Automotive (HF) Type: EME-E500 Supplier: Changchun Material: Epoxy			
Change #4	Marking no square around datecode	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					
	Plan to phase out the old SMA assembly line of lower efficiency with automation line,				
5.1 Motivation inclusive of H code with green and non-green for SMA package					
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)	2017/06/07			
7.3 Last delivery date (optional)	2018/06/07			
7.4 Intended start of delivery	2017/05/08			
7.5 Qualification samples available?	When get customer order and after 2 weeks can be submitted			
7.6 Customer feedback required until	2017/03/07			

8. Qualification / validation				
8.1 Description	According to AEC-Q101			
(e.g. qual. plan/report, AEC-Q)				
8.2 Qualification report and	available (see attachement)	issue date	2016/09/29	
qualification results	avaliable (see allachement)			

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	11.2.2 Supplier Part Name	11.2.3 Supplier Part No. (optional)	11.2.4 Package Name	11.2.6 Additional Part Information

Customer Feedback/Approval Form Title of PCN: A new fully-automated SMA backend assembly line transfer **Customer PCN No.** PCN17008 Supplier PCN No. Please check the appropriate box below: date: 1. Feedback We agree with this proposed change for the parts as listed in chapter '11. Affected parts'. Approval letter will be sent in written form. We agree with this proposed change schedule and will start with the PCN process. Approval letter will be sent in written form after evaluation. We disapprove because: Remark: 2. Feedback date: We acknowledge qualification / validation as assigned in chapter 8 of the PCN. We need more information: We need the following samples: Estimated closing date for PCN: Final Feedback/Approval date:

provided by ZVEI - Revision 3.0.0

	Sender:
Company:	

Name:	
Address/Location:	
Signature:	
Date:	
	Please return to: [your Sales partner]
Name:	
Address/Location:	
Phone:	
Fax:	
Email:	