Standardized Information for Process/Product Change Notification (PCN)

Standardized information for Frocess				
	1. PCN	basic data		
1.1 Company TAIWAN SEMICONDUCTOR	3			
1.2 PCN No.	PCN17007			
1.3 Title of PCN	A new fully-automated	A new fully-automated SMA backend assembly line increase		
1.4 Product Category	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)		

2. PCN Team							
2.1 Contact supplier							
2.1.1 Name	Sunnie Pan						
2.1.2 Phone	+886-2-8913-1588 Ext:2205	+886-2-8913-1588 Ext:2205					
2.1.3 Email	sunnie@mil.ts.com.tw	sunnie@mil.ts.com.tw					
2.2 Team supplier (optional)							
2.2.1 Name (optional)	2.2.2 Phone (optional)	2.2.3 Email (optional)					
Stanley Lin	+886-2-8913-1588 Ext:2104	stanleylin@mail.ts.com.tw					
May Zhang	+86-543-869-1091 Ext:3108	may@mail.tsyew.com.cn					
Celia Huang	+886-2-8913-1588 Ext:2125	celia@mail.ts.com.tw					

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,			
#5	SEM-PS-03	PACKING/SHIPPING	trim and form, lead frame preperation,) Change of carrier (tray, reel)			

	4. Description of change	
	Old	New
Change #1	1.manual SMA production line	1.manual SMA production line 2.fully-automated SMA production line
Change #2	Lead Frame Supplier : A Material : Copper	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	Molding Compound Consumer (Non-HF) Type: EME-66XX series Supplier: B Material: Epoxy Consumer (HF) Type: EME-E500 Supplier: A
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					
To increase SMA capacity in assembly line for green and non-green					

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	2017/02/07				
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					
	According to AEC-Q101				
(e.g. qual. plan/report, AEC-Q)					
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	11.2.2 Supplier Part Name	11.2.3 Supplier Part No. (optional)	11.2.4 Package Name	11.2.6 Additional Part Information