

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/17/9847	
1.3 Title of PCN	Muar SO20 package assembly line upgrade and Bill Of Materials (BOM) improvement on ST7 and STM8S non-automotive products	
1.4 Product Category	ST7 and STM8S non-automotive products in SO20 package	
1.5 Issue date	2017-05-22	

2. PCN Team

2.1 Contact supplier		
2.1.1 Name	ROBERTSON HEATHER	
2.1.2 Phone	+1 8475853058	
2.1.3 Email	heather.robertson@st.com	
2.2 Change responsibility		
2.2.1 Product Manager	Michel BUFFA	
2.1.2 Marketing Manager	Veronique BARLATIER	
2.1.3 Quality Manager	Pascal NARCHE	

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Materials	New direct material part number (same supplier, different supplier or new supplier), lead frame, resin, wire, ...)	ST Muar (Malaysia)

4. Description of change

	Old	New
4.1 Description	Phase out of leadframe Supplier: DCI Penang Leadframe description: PPF (e4) Glue: Hitachi EN4900 Molding compound: Sumitomo 7026 Wire: ST7 Gold 1.2 mils, STM8S Gold 1.0 mil Enhanced traceability in marking : No digit	New leadframe Supplier: ASM Shenzhen Leadframe description : Pure Tin (e3) Glue: Henkel 8302 Molding compound : Sumitomo G633CA Wire: Gold 0.8 mil Enhanced traceability in marking : 2 digits added
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	Lead color and surface finish change depending on lead finishing. Package darkness changes depending on molding.	

5. Reason / motivation for change

5.1 Motivation	DCI leadframe supplier phase out in 2017. Taking the opportunity of leadframe supplier change, the Bill Of materials (BOM) is improved and the assembly line is upgraded.
5.2 Customer Benefit	SERVICE CONTINUITY

6. Marking of parts / traceability of change

6.1 Description	See in PCN9847_Additional information document attached
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7. Timing / schedule

7.1 Date of qualification results	2017-09-30
7.2 Intended start of delivery	2017-10-30
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	9847 PCN9844 9847_RERMCD1707- SO20 line ST Muar- MCD QA reliability plan.pdf
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8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2017-05-22
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9. Attachments (additional documentations)
9847 Public product.pdf 9847 PCN9847_Additional information.pdf 9847 PCN9844 9847_RERMCD1707- SO20 line ST Muar- MCD QA reliability plan.pdf

10. Affected parts		
10. 1 Current		10.2 New (if applicable)
10.1.1 Customer Part No	10.1.2 Supplier Part No	10.1.2 Supplier Part No
ST7FDALIF2M6	ST7FDALIF2M6	
ST7FLIT15BF1M6	ST7FLIT15BF1M6	
ST7FLITE19F1M6	ST7FLITE19F1M6	
ST7FLITE25F2M6	ST7FLITE25F2M6	
ST7FLITE29F2M6TR	ST7FLITE29F2M6TR	
	ST7FLITE35F2M6TR	
	STM8S103F2M6	
	STM8S103F3M3	
	STM8S103F3M6	
	STM8S103F3M6TR	
	STM8S903F3M6TR	
	STM8SPLNB1M6	

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