


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	MMS/16/9685	
<b>1.3 Title of PCN</b>	ST Muar (Malaysia) additional source - Pure Tin Lead finishing products in STM32 LQFP 14x14 package	
<b>1.4 Product Category</b>	Pure Tin Lead finishing products	
<b>1.5 Issue date</b>	2016-04-21	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	SETTLES JEFF
<b>2.1.2 Phone</b>	+44 1628896222
<b>2.1.3 Email</b>	jeff.settles@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Michel BUFFA
<b>2.1.2 Marketing Manager</b>	Daniel COLONNA
<b>2.1.3 Quality Manager</b>	Pascal NARCHE

**3. Change**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
Materials	Any change on substrate (part number, supplier, plant, design or composition of any layer...)	Amkor ATK (Korea), Amkor ATP (Philippines)

**4. Description of change**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	Current BOMs are described in 9685_Additionnal information attached document.	ST Microcontrollers Division will add a new ST Muar (Malaysia) back-end line. Additional BOM is described in 9685_Additionnal information attached document.
<b>4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?</b>	Form : lead color and surface finish change depending on lead finishing	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	Due to the success on the market of STM32 devices, ST Microcontrollers Division decided to qualify an additional line to maintain state of the art service level to our customers, improving flexibility on manufacturing sites, thanks to extra capacity.
<b>5.2 Customer Benefit</b>	CAPACITY INCREASE

**6. Marking of parts / traceability of change**

<b>6.1 Description</b>	See in 9685_Additional information document attached
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2016-08-01
<b>7.2 Intended start of delivery</b>	2016-09-01
<b>7.3 Qualification sample available?</b>	Upon Request

**8. Qualification / Validation**

<b>8.1 Description</b>	9685_RERMCD1612 reliability plan.pdf		
<b>8.2 Qualification report and qualification results</b>	Available (see attachment)	<b>Issue Date</b>	2016-04-21

**9. Attachments (additional documentations)**

9685PpPrdtLst.pdf  
9685\_Additional information.pdf  
9685\_RERMCD1612 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
	STM32F091VCT6	

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