


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>		MDG/22/13523
<b>1.3 Title of PCN</b>		STM32C011xxx - product enhancement
<b>1.4 Product Category</b>		STM32C011x
<b>1.5 Issue date</b>		2022-09-28

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	NEMETH KRISZTINA
<b>2.1.2 Phone</b>	+49 89460062210
<b>2.1.3 Email</b>	krisztina.nemeth@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Ricardo Antonio DE SA EARP
<b>2.1.2 Marketing Manager</b>	Veronique BARLATIER
<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>
General Product & Design	Die redesign : Mask or mask set change with new die design like metallization (specifically chip frontside) or bug fix	TSMC FAB14 (Taiwan)

**4. Description of change**

	Old	New
<b>4.1 Description</b>	Limitations as described in the Errata sheets STM32C011xx die 443 cut1.0 rev A : - ES0569 - Rev 1 - March 2022  --- Original Documentation --- STM32C0x1 advanced Arm®-based 32-bit MCUs Reference Manual : - RM0490 - Rev 1 - April 2022 STM32C011x4/x6 Datasheet : - DS13866 – Rev1 – March 2022	Enhancement on System limitations as described in the errata Sheet STM32C011xx die 443 Cut1.1 rev Z : - ES0569 - Rev 2 - September 2022 --- Updated Documentation --- STM32C0x1 advanced Arm®-based 32-bit MCUs Reference Manual : - RM0490 - Rev 2 - July 2022 STM32C011x4/x6 datasheet : - DS13866 – Rev2 – September 2022
<b>4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?</b>	Impact on functionality as indicated in Errata Sheets: ES0569	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	Improvements was implemented to increase robustness, performances and quality of our products.
<b>5.2 Customer Benefit</b>	SERVICE IMPROVEMENT

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

<b>6.1 Description</b>	Traceability ensured by ST internal tools. Die revision changes from "A" to "Z" on Package Marking
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2022-09-07
<b>7.2 Intended start of delivery</b>	2022-10-30
<b>7.3 Qualification sample available?</b>	Upon Request

8. Qualification / Validation			
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<b>8.1 Description</b>	13523 RERMCD2003_STM32C011 - DIE443 Reliability Evaluation Report_v1.1.pdf		
<b>8.2 Qualification report and qualification results</b>	Available (see attachment)	<b>Issue Date</b>	2022-09-28

9. Attachments (additional documentations)			
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13523 Public product.pdf 13523 RERMCD2003_STM32C011 - DIE443 Reliability Evaluation Report_v1.1.pdf 13523 PCN13523_Additional information.pdf
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10. Affected parts		
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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
	STM32C011F4P6	

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