


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	MDG/24/14455	
<b>1.3 Title of PCN</b>	STM32G050x, STM32G051x and STM32G061x 64K - product enhancement - addendum to PCN13483	
<b>1.4 Product Category</b>	STM32G050x, STM32G051x, STM32G061x	
<b>1.5 Issue date</b>	2024-02-09	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	RYDER-PHILLIPS EMMA
<b>2.1.2 Phone</b>	+44 1628896228
<b>2.1.3 Email</b>	emma.ryder-phillips@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) ST Crolles (France)

**4. Description of change**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	STM32G050x, STM32G051x and STM32G061x 64K - (Die456- cut1.0 revision A) product has limitation as described in Errata Sheets. - ES0544 (Rev 1 - December 16 2020) for STM32G050x6/x8 device - ES0545 (Rev 1 - December 16 2020) for STM32G051x6/x8 device - ES0546 (Rev 1 - December 16 2020) for STM32G061x6/x8 device	STM32G050x, STM32G051x and STM32G061x 64K - (Die456 - cut1.1 revision Z) product enhancement fixes those limitations as described in Errata Sheets. - ES0544 (Rev 2 - April 12 2022) for STM32G050x6/x8 device - ES0545 (Rev 2 - April 12 2022) for STM32G051x6/x8 device - ES0546 (Rev 2 - April 12 2022) for STM32G061x6/x8 device
<b>4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?</b>	Impact on functionality as indicated in Errata Sheets: ES0544, ES0545 & ES0546	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	Improvements was implemented to increase robustness, performances and quality of our products. PCN13483 sent initially was not received by new customers and REV A will be terminated in April 2024
<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>	2022-11-24
<b>7.2 Intended start of delivery</b>	2022-12-08
<b>7.3 Qualification sample available?</b>	Upon Request

8. Qualification / Validation			
<b>8.1 Description</b>	14455 MDG-MCD-RER2012 V1.5 - STM32G0 - Die 456XXXZ- Reliability evaluation report.pdf		
<b>8.2 Qualification report and qualification results</b>	Available (see attachment)	<b>Issue Date</b>	2024-02-09

9. Attachments (additional documentations)
14455 Public product.pdf 14455 MDG-MCD-RER2012 V1.5 - STM32G0 - Die 456XXXZ- Reliability evaluation report.pdf 14455 PCN14455_Additional information.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
	STM32G050C6T6	
	STM32G050C8T6	
	STM32G050K6T6	
	STM32G050K8T6	
	STM32G051C6T6	
	STM32G051C6U6	
	STM32G051C8T6	
	STM32G051C8U6	
	STM32G051F8Y6TR	
	STM32G051G6U6	
	STM32G051G8U6	
	STM32G051K6T6	
	STM32G051K8T6	
	STM32G051K8U6	
	STM32G061C8T6	

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