


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/22/13483	
1.3 Title of PCN	STM32G050x, STM32G051x and STM32G061x 64K - product enhancement	
1.4 Product Category	STM32G050x, STM32G051x, STM32G061x	
1.5 Issue date	2022-06-28	

2. PCN Team

2.1 Contact supplier		
2.1.1 Name	KRISZTINA NEMETH	
2.1.2 Phone	+49 89460062210	
2.1.3 Email	krisztina.nemeth@st.com	
2.2 Change responsibility		
2.2.1 Product Manager	Ricardo Antonio DE SA EARP	
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
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

	Old	New
4.1 Description	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
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	Impact on functionality as indicated in Errata Sheets: ES0544, ES0545 & ES0546	

5. Reason / motivation for change

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

6. Marking of parts / traceability of change

6.1 Description	Traceability ensured by ST internal tools. Die revision changes from "A" to "Z" on Package Marking
-----------------	---

7. Timing / schedule

7.1 Date of qualification results	2022-08-31
7.2 Intended start of delivery	2022-10-03
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation			
8.1 Description	13483 RER2012 STM32G0 Die 456XXXZ cut1.1 - qual plan.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2022-06-28

9. Attachments (additional documentations)	
13483 Public product.pdf 13483 RER2012 STM32G0 Die 456XXXZ cut1.1 - qual plan.pdf 13483 PCN13483_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
	STM32G050C8T6	
	STM32G050K6T6	
	STM32G050K8T6	
	STM32G051C6T6	
	STM32G051C6U6	
	STM32G051C8T6	
	STM32G051C8U6	
	STM32G051G6U6	
	STM32G051G8U6	
	STM32G051K6T6	
	STM32G051K8T6	
	STM32G051K8U6	
	STM32G061C6T6	
	STM32G061C6U6	
	STM32G061C8T6	
	STM32G061C8U6	
	STM32G061F8Y6TR	
	STM32G061G6U6	
	STM32G061G8U6	
	STM32G061K6T6	

IMPORTANT NOTICE – PLEASE READ CAREFULLY

Subject to any contractual arrangement in force with you or to any industry standard implemented by us, STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST's terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers' products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2018 STMicroelectronics – All rights reserved