


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/22/13524	
1.3 Title of PCN	STM32C031xx - product enhancement	
1.4 Product Category	STM32C031x	
1.5 Issue date	2022-09-07	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	NEMETH KRISZTINA
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)

4. Description of change

	Old	New
4.1 Description	Limitations as described in the Errata sheet - STM32C031xx die 453 cut1.0 rev A ES0568 - Rev 1 - March 2022 --- Original Documentation --- - STM32C0x1 advanced Arm®-based 32-bit MCUs RM0490 - Rev 1 - April 2022 - STM32C031x4/x6 DS13867 - Rev1 - March 2022	Enhancement on System limitations as described in the errata Sheet - STM32C031xx die 453 Cut1.1 rev Z ES0568 - Rev 2 - July 2022 --- Updated Documentation --- - STM32C0x1 advanced Arm®-based 32-bit MCUs RM0490 - Rev 2 - July 2022 - STM32C031x4/x6 DS13867 - Rev2 - July 2022
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	Impact on functionality as indicated in Errata Sheets: ES0568	

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 CONTINUITY

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	2022-06-30
7.2 Intended start of delivery	2022-10-20
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation			
--------------------------------------	--	--	--

8.1 Description	13524 RERMCD2019_STM32C031 -DIE453 Reliability Evaluation Report_v1.2.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2022-09-07

9. Attachments (additional documentations)			
---	--	--	--

13524 Public product.pdf 13524 RERMCD2019_STM32C031 -DIE453 Reliability Evaluation Report_v1.2.pdf 13524 PCN13524_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
	STM32C031F4P6	

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