


# PRODUCT / PROCESS CHANGE NOTIFICATION

## 1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/24/14484	
1.3 Title of PCN	STM32U535x & STM32U545x - product Enhancement	
1.4 Product Category	STM32U535x, STM32U545x	
1.5 Issue date	2024-04-11	

## 2. PCN Team

2.1 Contact supplier	
2.1.1 Name	KRAUSE INA
2.1.2 Phone	+49 89460062370
2.1.3 Email	ina.krause@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	STM32U535x & STM32U545x (Die455 - cut1.1 revision Z) product shows some limitations	STM32U535x & STM32U545x (Die455 - cut1.2 revision Y) product fixes those limitations as described in the Errata Sheet (ES0587 Rev 4 / April 2024)
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	Functionality enhancement	

## 5. Reason / motivation for change

5.1 Motivation	Improvements 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 "Z" to "Y" on Package Marking.
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## 7. Timing / schedule

7.1 Date of qualification results	2024-04-08
7.2 Intended start of delivery	2024-06-25
7.3 Qualification sample available?	Upon Request

## 8. Qualification / Validation

8.1 Description	14484 PCN14484_MDG-MCD-RER2103_STM32U5 512k - Die 455 - Rel Plan.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2024-04-11

9. Attachments (additional documentations)
14484 Public product.pdf 14484 PCN14484_MDG-MCD-RER2103_STM32U5 512k - Die 455 - Rel Plan.pdf 14484 PCN14484_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
	STM32U535CEU6Q	
	STM32U535JEY6QTR	
	STM32U535NEY6QTR	
	STM32U535RET6	
	STM32U535RET6Q	
	STM32U535VEI6Q	
	STM32U535VET6	
	STM32U535VET6Q	
	STM32U545CET6	
	STM32U545CET6Q	
	STM32U545CEU6Q	
	STM32U545REI6	
	STM32U545REI6Q	
	STM32U545VEI6Q	
	STM32U545VET6	
	STM32U545VET6Q	

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