

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/21/12572	
1.3 Title of PCN	STM32F439 & STM32F429 products in WLCSP package - Crolles manufacturing plant minor mask adjustment	
1.4 Product Category	STM32F429x & STM23F439x products, in WLCSP package.	
1.5 Issue date	2021-01-29	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	ROBERTSON HEATHER
2.1.2 Phone	+1 8475853058
2.1.3 Email	heather.robertson@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	ST Crolles CR300 (France)

4. Description of change

	Old	New
4.1 Description	Diffusion Plant: - revision 3 (Cut2.1) Crolles(France) - revision 5 (Cut2.2) TSMC FAB14(Taiwan) Assembly site: - Amkor ATT 12" (Taiwan)	Diffusion Plant: - revision 4 (Cut2.2) Crolles(France) - revision 5 (Cut2.2) TSMC FAB14(Taiwan) Assembly site: - Amkor ATT 12" (Taiwan)
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	no change	

5. Reason / motivation for change

5.1 Motivation	to improve manufacturing efficiency and flexibility through minor design adjustment. Objective is to maintain a high level of customer service.
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	die revision is visible on package marking. Refer to PCN12572_Additional information document
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7. Timing / schedule

7.1 Date of qualification results	2021-01-27
7.2 Intended start of delivery	2021-02-28
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	12572 MMS-MCD RERMCD1408 -STM32F4- Die 419XXX4 - PCN8608 - PCN8649 - PCN9902 - PCN12572 - Reliability Evaluation Report_V8.0.pdf
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8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2021-01-29
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9. Attachments (additional documentations)

12572 Public product.pdf 12572 MMS-MCD RERMCD1408 -STM32F4- Die 419XXX4 - PCN8608 - PCN8649 - PCN9902 - PCN12572 - Reliability Evaluation Report_V8.0.pdf 12572 PCN12572_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
	STM32F429ZIY6TR	
	STM32F439ZIY6TR	

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Public Products List

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PCN Title : STM32F439 & STM32F429 products in WLCSP package - Crolles manufacturing plant minor mask adjustment

PCN Reference : MDG/21/12572

Subject : Public Products List

Dear Customer,

Please find below the Standard Public Products List impacted by the change.

STM32F439ZGY6TR	STM32F429ZIY6TR	STM32F439ZIY6TR
STM32F429ZIY6JTR	STM32F429ZGY6TR	



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