

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/21/12791	
1.3 Title of PCN	STM32F209 1Mb product improvement – on listed products	
1.4 Product Category	STM32F205x, STM32F207x, STMF215x, STM32F217x listed products	
1.5 Issue date	2021-07-16	

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 - Design changes in active elements.	TSMC Fab14 (Taiwan)/ Crolles(France)

4. Description of change

	Old	New
4.1 Description	Current die revision: - STM32F209 1MB rev2 (Cut 2.4) in ST Crolles CRL300 (France) - STM32F209 1MB rev3 (Cut 2.5) in TSMC Fab14 (Taiwan) Current RM0033 Rev 8 - Reference Manual STM32F205xx, STM32F207xx, STM32F215xx and STM32F217xx advanced Arm-based 32-bit MCUs	New die revision to improve manufacturing efficiency: - STM32F209 1MB rev5 (Cut 2.6) in ST Crolles CRL300 (France) - STM32F209 1MB rev4 (Cut 2.6) in TSMC Fab14 (Taiwan) New RM0033 Rev 9 - Reference Manual - february 2021 STM32F205xx, STM32F207xx, STM32F215xx and STM32F217xx advanced Arm-based 32-bit MCUs
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No impact on Form, Fit or Function	

5. Reason / motivation for change

5.1 Motivation	Product will be improved by adjusting some active cells. Dice revisions of the products will change. There is no change in the product logic and therefore no change to product functionality.
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	based on ST internal tools
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7. Timing / schedule

7.1 Date of qualification results	2021-05-14
7.2 Intended start of delivery	2021-12-20
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation			
8.1 Description	12791 Binder for RER1715 V14.1 - RER1302 V6.1.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2021-07-16

9. Attachments (additional documentations)			
12791 Public product.pdf 12791 Binder for RER1715 V14.1 - RER1302 V6.1.pdf 12791 PCN12791_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
	STM32F205RET6TR	
	STM32F205VET6TR	
	STM32F205ZGT7	
	STM32F207VCT6TR	
	STM32F207VET6TR	
	STM32F207VGT6TR	

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