


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

4. Description of change

	Old	New
4.1 Description	<p>Current die revision:</p> <ul style="list-style-type: none"> - STM32F209 1MB rev2 (Cut 2.4) in ST Crolles CRL300 (France) - STM32F209 1MB rev3 (Cut 2.5) in TSMC Fab14 (Taiwan) <p>Current RM0033 Rev 8 - Reference Manual STM32F205xx, STM32F207xx, STM32F215xx and STM32F217xx advanced Arm-based 32-bit MCUs</p>	<p>New die revision to improve manufacturing efficiency:</p> <ul style="list-style-type: none"> - STM32F209 1MB rev5 (Cut 2.6) in ST Crolles CRL300 (France) - STM32F209 1MB rev4 (Cut 2.6) in TSMC Fab14 (Taiwan) <p>New RM0033 Rev 9 - Reference Manual - february 2021 STM32F205xx, STM32F207xx, STM32F215xx and STM32F217xx advanced Arm-based 32-bit MCUs</p>
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
	STM32F205RBT6	
	STM32F205RBT6TR	
	STM32F205RBT7	
	STM32F205RCT6	
	STM32F205RCT6TR	
	STM32F205RCT7	
	STM32F205RET6	
	STM32F205RET6TR	
	STM32F205RET7	
	STM32F205REY6TR	
	STM32F205RFT6	
	STM32F205RGT6	
	STM32F205RGT6TR	
	STM32F205RGT6W	
	STM32F205RGT7	
	STM32F205RGY6TR	
	STM32F205VBT6	
	STM32F205VCT6	
	STM32F205VCT6TR	
	STM32F205VCT7	
	STM32F205VET6	
	STM32F205VET6TR	
	STM32F205VET7	
	STM32F205VFT6	
	STM32F205VFT6TR	
	STM32F205VGT6	
	STM32F205VGT6TR	
	STM32F205VGT6V	
	STM32F205VGT7	
	STM32F205ZCT6	
	STM32F205ZCT7	
	STM32F205ZCT7TR	
	STM32F205ZET6	
	STM32F205ZET6TR	
	STM32F205ZET7	
	STM32F205ZFT6	
	STM32F205ZGT6	
	STM32F205ZGT6TR	
	STM32F207ICH6	

	STM32F207ICT6	
	STM32F207IEH6	
	STM32F207IET6	
	STM32F207IFT6	
	STM32F207IGH6	
	STM32F207IGH7	
	STM32F207IGT6	
	STM32F207IGT7	
	STM32F207VCT6	
	STM32F207VCT6TR	
	STM32F207VET6	
	STM32F207VET6TR	
	STM32F207VFT6	
	STM32F207VFT6TR	
	STM32F207VGT6	
	STM32F207VGT6TR	
	STM32F207VGT7	
	STM32F207ZCT6	
	STM32F207ZET6	
	STM32F207ZET6TR	
	STM32F207ZFT6	
	STM32F207ZGT6	
	STM32F207ZGT6TR	
	STM32F207ZGT7	
	STM32F215RET6	
	STM32F215RGT6	
	STM32F215VET6	
	STM32F215VGT6	
	STM32F215ZET6	
	STM32F215ZGT6	
	STM32F217IGH6	
	STM32F217IGT6	
	STM32F217IGT7	
	STM32F217VET6	
	STM32F217VET6TR	
	STM32F217VGT6	
	STM32F217VGT6TR	
	STM32F217ZET6	
	STM32F217ZGT6	



Public Products List

Public Products are off the shelf products. They are not dedicated to specific customers, they are available through ST Sales team, or Distributors, and visible on ST.com

PCN Title : STM32F209 1Mb product improvement – on listed products

PCN Reference : MDG/21/12791

Subject : Public Products List

Dear Customer,

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

STM32F205VCT7TR	STM32F205ZCT6TR	STM32F205ZGT6W
STM32F207IFH6TR	STM32F205RCT6TR	STM32F215RGT6
STM32F205RFT6TR	STM32F207ZGT6TR	STM32F217VGT6
STM32F205RGT6V	STM32F215RGT6TR	STM32F207VCT6TR
STM32F207ZFT6	STM32F205RBT6TR	STM32F205RBT6
STM32F215VET6	STM32F207IEH6	STM32F205RET7
STM32F207ZGT7	STM32F217ZGT6	STM32F215RET6
STM32F205VCT6	STM32F215VGT7	STM32F207ZET6TR
STM32F207VCT6	STM32F207IFT6	STM32F217IET6
STM32F207IGT6	STM32F205RET6	STM32F205RGT7
STM32F217VET6	STM32F217ZET6	STM32F215VGT6
STM32F205RFT6	STM32F207VFT6TR	STM32F207VGT6TR
STM32F205VET6TR	STM32F207IGH6TR	STM32F205VFT6
STM32F205RGT6TR	STM32F205VGT7	STM32F217ZET7
STM32F205ZET6	STM32F205RCT6	STM32F205VCT6TR
STM32F215ZGT6	STM32F207VET6TR	STM32F207ZCT7
STM32F207IGT7	STM32F217VGT6TR	STM32F207ZGT6
STM32F207VET6	STM32F205ZET7	STM32F207VCT7
STM32F217IGH6	STM32F215RET6TR	STM32F215ZGT7TR
STM32F207IGH7	STM32F207ICT6	STM32F217IGT6
STM32F205VET7	STM32F217IGT7	STM32F207IEH6TR
STM32F205RBT7	STM32F217IEH6	STM32F205VGT6W
STM32F207ZET6	STM32F205VFT6TR	STM32F205VGT6
STM32F205ZGT6V	STM32F205ZET7TR	STM32F205RGT6W
STM32F205ZCT7TR	STM32F205VET7TR	STM32F205VGT6V
STM32F207VGT7	STM32F215ZET6	STM32F205VCT7
STM32F205ZET6TR	STM32F205RET7TR	STM32F217VET6TR
STM32F205RGT6	STM32F215ZGT7	STM32F205ZGT7TR
STM32F205VGT6TR	STM32F205RET6TR	STM32F207VFT6
STM32F205VBT6	STM32F205RCT7	STM32F207VGT6
STM32F207IFH6	STM32F205ZGT6TR	STM32F207ICH6
STM32F205ZGT7	STM32F205ZGT6	STM32F205ZCT6
STM32F205REY6TR	STM32F207IET6	STM32F207ZCT6
STM32F205RCT7TR	STM32F207IGH6	STM32F205ZCT7
STM32F205ZFT6	STM32F205RGY6TR	STM32F205VGT7TR
STM32F205VET6	STM32F215ZET6TR	STM32F207ZCT7TR



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