

**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	MDG/21/12467	
<b>1.3 Title of PCN</b>	STM32L4Rxxx and STM32L4Sxxx products enhancement	
<b>1.4 Product Category</b>	STM32L4Rxxx and STM32L4Sxxx products	
<b>1.5 Issue date</b>	2021-01-29	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	ROBERTSON HEATHER
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<b>2.1.3 Email</b>	heather.robertson@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Ricardo Antonio DE SA EARP
<b>2.1.2 Marketing Manager</b>	Veronique BARLATIER
<b>2.1.3 Quality Manager</b>	Pascal NARCHE

**3. Change**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
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**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	STM32L4Rxxx and STM32L4Sxxx Devices limitation in Cut 1.4 (Version W) as documented in ES0393 - Rev 7 - September 2020. - Data corruption upon a specific FIFO write sequence to synchronous PSRAM - Workaround: Use the FMC peripheral in Asynchronous write mode or disable the write FIFO buffer.	STM32L4Rxxx and STM32L4Sxxx Devices limitation has been fixed in Cut 1.5 (Version V) as documented in ES0393 - Rev 8 - December 2020.
<b>4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?</b>	Impact on Function: improvements indicated in ES0393 - Rev 8 - December 2020 errata sheet.	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	FSMC improvement
<b>5.2 Customer Benefit</b>	QUALITY IMPROVEMENT

**6. Marking of parts / traceability of change**

<b>6.1 Description</b>	Traceability ensure by ST internal tools. The die revision changes from "W" to "V". It is marked on packages of the part.
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2021-01-20
<b>7.2 Intended start of delivery</b>	2021-02-24
<b>7.3 Qualification sample available?</b>	Upon Request

**8. Qualification / Validation**

<b>8.1 Description</b>	12467 MMS-MCD RERMCD1603 - STM32L4RX-SX - Die 470XXXV - PCN12467 - Reliability Evaluation Report.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)	
12467 Public product.pdf 12467 MMS-MCD RERMCD1603 - STM32L4RX-SX - Die 470XXXV - PCN12467 - Reliability Evaluation Report.pdf 12467 PCN12467_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
	STM32L4R5AGI6	
	STM32L4R5QGI6	
	STM32L4R5QII6	
	STM32L4R5VGT6	
	STM32L4R5VIT6	
	STM32L4R5ZGT6	
	STM32L4R5ZIT6	
	STM32L4R5ZIT6P	
	STM32L4R5ZIY6TR	
	STM32L4R7VIT6	
	STM32L4R7ZIT6	
	STM32L4R9AGI6	
	STM32L4R9AII6	
	STM32L4R9VGT6	
	STM32L4R9VIT6	
	STM32L4R9ZGJ6	
	STM32L4R9ZGT6	
	STM32L4R9ZIJ6	
	STM32L4R9ZIT6	
	STM32L4R9ZIY6PTR	
	STM32L4R9ZIY6TR	
	STM32L4S5QII6	
	STM32L4S5VIT6	
	STM32L4S5ZIT6	
	STM32L4S7VIT6	
	STM32L4S9AII6	
	STM32L4S9ZIJ6	
	STM32L4S9ZIY6TR	

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## 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 :** STM32L4Rxxx and STM32L4Sxxx products enhancement

**PCN Reference :** MDG/21/12467

**Subject :** Public Products List

Dear Customer,

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

STM32L4R5VIT6	STM32L4R9AI16	STM32L4S5AI13
STM32L4S5AI13TR	STM32L4S9AI16	STM32L4S7AI16
STM32L4R5ZGY6TR	STM32L4S5VIT6	STM32L4R9ZIY6TR
STM32L4R5ZIT6	STM32L4R9AGI6	STM32L4R5ZIT6P
STM32L4S5ZIY6TR	STM32L4R9ZIY6PTR	STM32L4S5QI16
STM32L4R9ZIJ6	STM32L4S9ZIY6TR	STM32L4R7AI16
STM32L4R5AGI6	STM32L4R5QI16	STM32L4S5ZIT6
STM32L4S7ZIT6	STM32L4R5VGT6	STM32L4S5AI16
STM32L4S9ZIT6	STM32L4R9ZGY6TR	STM32L4R9VIT6
STM32L4R5QG16	STM32L4R9ZIT6	STM32L4R9VGT6
STM32L4R7ZIT6	STM32L4S9ZIJ6TR	STM32L4S5VIT6TR
STM32L4S7VIT6	STM32L4R5QGI6S	STM32L4R5QGI6TR
STM32L4S9ZIJ6	STM32L4R9ZGT6	STM32L4S9VIT6
STM32L4R5ZGT6	STM32L4R5AI16	STM32L4S5VIT3
STM32L4R7VIT6	STM32L4R5AI16P	STM32L4S5QI13P
STM32L4R5QI16P	STM32L4R9ZGJ6	STM32L4R5ZIY6TR



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