


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/21/12467	
1.3 Title of PCN	STM32L4Rxxx and STM32L4Sxxx products enhancement	
1.4 Product Category	STM32L4Rxxx and STM32L4Sxxx products	
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	TSMC Fab14 (Taiwan)

4. Description of change

	Old	New
4.1 Description	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.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	Impact on Function: improvements indicated in ES0393 - Rev 8 - December 2020 errata sheet.	

5. Reason / motivation for change

5.1 Motivation	FSMC improvement
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	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

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

8. Qualification / Validation

8.1 Description	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	
	STM32L4R5ZII6TR	
	STM32L4R7VIT6	
	STM32L4R7ZIT6	
	STM32L4R9AGI6	
	STM32L4R9AII6	
	STM32L4R9VGT6	
	STM32L4R9VIT6	
	STM32L4R9ZGJ6	
	STM32L4R9ZGT6	
	STM32L4R9ZIJ6	
	STM32L4R9ZIT6	
	STM32L4R9ZII6PTR	
	STM32L4R9ZII6TR	
	STM32L4S5QII6	
	STM32L4S5VIT6	
	STM32L4S5ZIT6	
	STM32L4S7AII6	
	STM32L4S7VIT6	
	STM32L4S7ZIT6	
	STM32L4S9AII6	
	STM32L4S9ZIT6	
	STM32L4S9ZII6TR	
	STM32L4R5AII6P	

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PRODUCT/PROCESS CHANGE NOTIFICATION PCN12467– Additional information

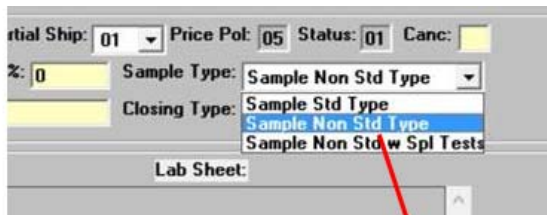
STM32L4Rxxx and STM32L4Sxxx products enhancement

MDG - Microcontrollers Division (MCD)

How to order samples?

For all samples request linked to this PCN, please:

- place a **Non-standard** sample order (choose Sample Non Std Type from pull down menu)
- insert the PCN number “**PCN12437**” into the NPO Electronic Sheet/**Regional Sheet**
- request sample(s) through Notice tool, indicating a single Commercial Product for each request

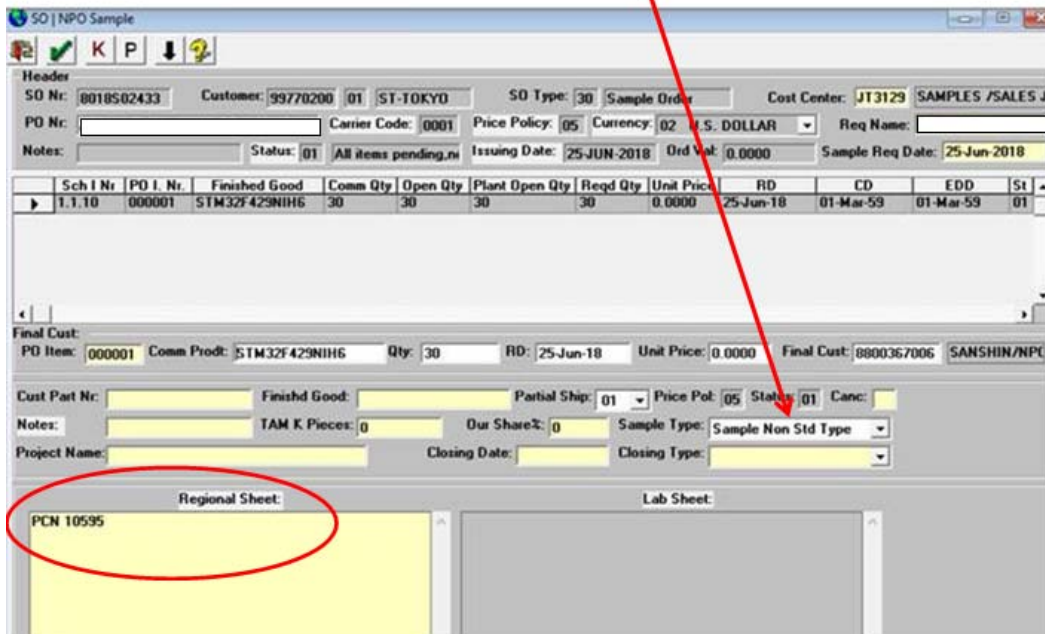


Partial Ship: 01 Price Pol: 05 Status: 01 Canc:

%: 0 Sample Type: Sample Non Std Type

Closing Type: Sample Std Type
Sample Non Std Type
Sample Non Std w Spl Tests

Lab Sheet:



SO | NPO Sample

Header

SO Nr: 8018502433 Customer: 99770200 01 ST-TOKYO SO Type: 30 Sample Order Cost Center: JT3129 SAMPLES /SALES J

PO Nr: Carrier Code: 0001 Price Policy: 05 Currency: 02 U.S. DOLLAR Req Name:

Notes: Status: 01 All items pending. Issuing Date: 25-JUN-2018 Ord Val: 0.0000 Sample Req Date: 25-Jun-2018

Sch I Nr	PO I. Nr.	Finished Good	Comm Qty	Open Qty	Plant Open Qty	Reqd Qty	Unit Price	RD	CD	EDD	St
1.1.10	000001	STM32F429NIH6	30	30	30	30	0.0000	25-Jun-18	01-Mar-59	01-Mar-59	01

Final Cust: PO Item: 000001 Comm Prod: STM32F429NIH6 Qty: 30 RD: 25-Jun-18 Unit Price: 0.0000 Final Cust: 8800367006 SANSHIN/NPC

Cust Part Nr: Finishd Good: Partial Ship: 01 Price Pol: 05 Status: 01 Canc:

Notes: TAM K Pieces: 0 Our Share: 0 Sample Type: Sample Non Std Type

Project Name: Closing Date: Closing Type:

Regional Sheet: PCN 10595

Lab Sheet:



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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	STM32L4R9AI6	STM32L4S5AI3
STM32L4S5AI3TR	STM32L4S9AI6	STM32L4S7AI6
STM32L4R5ZGY6TR	STM32L4S5VIT6	STM32L4R9ZIY6TR
STM32L4R5ZIT6	STM32L4R9AGI6	STM32L4R5ZIT6P
STM32L4S5ZIY6TR	STM32L4R9ZIY6PTR	STM32L4S5QII6
STM32L4R9ZIJ6	STM32L4S9ZIY6TR	STM32L4R7AI6
STM32L4R5AGI6	STM32L4R5QII6	STM32L4S5ZIT6
STM32L4S7ZIT6	STM32L4R5VGT6	STM32L4S5AI6
STM32L4S9ZIT6	STM32L4R9ZGY6TR	STM32L4R9VIT6
STM32L4R5QGI6	STM32L4R9ZIT6	STM32L4R9VGT6
STM32L4R7ZIT6	STM32L4S9ZIJ6TR	STM32L4S5VIT6TR
STM32L4S7VIT6	STM32L4R5QGI6S	STM32L4R5QGI6TR
STM32L4S9ZIJ6	STM32L4R9ZGT6	STM32L4S9VIT6
STM32L4R5ZGT6	STM32L4R5AI6	STM32L4S5VIT3
STM32L4R7VIT6	STM32L4R5AI6P	STM32L4S5QII3P
STM32L4R5QII6P	STM32L4R9ZGJ6	STM32L4R5ZIY6TR



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