

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/22/12922	
1.3 Title of PCN	ST MUAR (Malaysia) TFBGA5x5 package assembly line – with additional ROUSSET source for STM32L05x and STM32L073x listed products	
1.4 Product Category	STM32L05x STM32L073x	
1.5 Issue date	2022-02-01	

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
Materials	(Not Defined)	ST MUAR (Malaysia)

4. Description of change

	Old	New
4.1 Description	TFBGA5x5 Assembly line already qualified for CMOS F9S GO2 diffusion process variant as below: - Crolles BEOL Copper - Rousset BEOL Aluminium	TFBGA5x5 Assembly line qualified for CMOS F9S GO2 diffusion process variant - Crolles BEOL Copper - Rousset BEOL Aluminium - With additional Rousset BEOL Copper BEOL Copper = Back-End Of Line with 4 Metal copper + 1 Alu PAD BEOL Aluminium = Back-End Of Line with 4 Metal Alu + 1 Alu PAD (see description in additional information document)
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	no impact	

5. Reason / motivation for change

5.1 Motivation	additional wafer source supply
5.2 Customer Benefit	CAPACITY INCREASE

6. Marking of parts / traceability of change

6.1 Description	please refer to additional information document
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7. Timing / schedule

7.1 Date of qualification results	2022-03-31
7.2 Intended start of delivery	2022-04-15
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation			
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8.1 Description	12922 MDG-MCD - RER1804 V3.0 - PCN10962 PCN13039 PCN12921 PCN12922- STM32 - Cu BEOL F9GO2S - Reliability Evaluation Report.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2022-02-01

9. Attachments (additional documentations)			
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12922 Public product.pdf 12922 MDG-MCD - RER1804 V3.0 - PCN10962 PCN13039 PCN12921 PCN12922- STM32 - Cu BEOL F9GO2S - Reliability Evaluation Report.pdf 12922 PCN12922_Additional information.pdf

10. Affected parts		
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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
	STM32L051R8H6	
	STM32L052R8H6	
	STM32L053R8H6	
	STM32L071RBH6	
	STM32L071RZH6	
	STM32L083RZH6	

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Public Products List

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PCN Reference : MDG/22/12922

Subject : Public Products List

Dear Customer,

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

STM32L052R8H6	STM32L072RZH6TR	STM32L073RZH6
STM32L053R6H6	STM32L051R8H6TR	STM32L051R6H6
STM32L083RBH6	STM32L053R8H6	STM32L071RZH6
STM32L073RBH6	STM32L072RZH6	STM32L071RBH6
STM32L053R8H6D	STM32L071RZH6TR	STM32L071RBH6TR
STM32L083RZH3TR	STM32L072RBH6	STM32L073RBH6TR
STM32L051R8H6	STM32L052R6H6	STM32L051R8H7
STM32L083RZH6	STM32L072RBH6TR	



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