

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCN No.	MICROCONTROLLERS/24/14996
1.3 Title of PCN	JSCC (China) LQFP 7x7 48L /10x10 64L /12x12 80L and UQFPN 5x5 32L/ 7X7 48L new BOM for STM32U07/08x and STM32U03x listed product.
1.4 Product Category	STM32U07x, STM32U08x and STM32U03x
1.5 Issue date	2024-10-29

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
2.2.2 Marketing Manager	Veronique BARLATIER
2.2.3 Quality Manager	Pascal NARCHE

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Materials	Direct Material: Bond Wire - Metallurgy (metallic composition/ raw material)	StatsChipPAC JSCC Jiangyin China

4. Description of change

	Old	New
4.1 Description	Assembly lines / wire bonding: - JSCC (China) / Gold wire	Assembly lines / wire bonding: - JSCC (China) / Copper Palladium wire additional source - JSCC (China) / Gold wire
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No change in Form, no change in Fit, no change in Function. Package darkness might change depending on molding compound. Pin1 identifier remain in the same corner but might slightly change in terms of form and positioning.	

5. Reason / motivation for change

5.1 Motivation	Due to the success on the market of STM32 devices, ST Microcontrollers Division decided to qualify an additional back-end assembly line to maintain state of the art service level to our customers thanks to extra capacity.
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Traceability ensure by ST internal tools
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7. Timing / schedule

7.1 Date of qualification results	2024-10-01
7.2 Intended start of delivery	2025-01-27
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	14996 PCN14996_Reliability RER2220 RER2321.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2024-10-29

9. Attachments (additional documentations)

14996 Public product.pdf
14996 PCN14996_Reliability RER2220 RER2321.pdf
14996 PCN14996_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
	STM32U031C8T6	
	STM32U031C8U6	
	STM32U031K8U6	
	STM32U031R8T6	
	STM32U073CCT6	
	STM32U073CCU6	
	STM32U073KCU6	
	STM32U073MCT6	
	STM32U073RCT6	
	STM32U083CCT6	
	STM32U083CCU6	
	STM32U083KCU6	
	STM32U083MCT6	
	STM32U083RCT6	

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Public Products List

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PCN Reference : MICROCONTROLLERS/24/14996

Subject : Public Products List

Dear Customer,

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

STM32U073CBU6	STM32U073KBU6	STM32U073MCT6
STM32U031C6U6	STM32U083RCT6	STM32U073KCU6
STM32U073RCT6	STM32U083MCT6	STM32U073C8T6
STM32U031K4U6	STM32U073CCU6	STM32U083CCU6
STM32U031K6U3	STM32U083CCU6TR	STM32U073RBT6
STM32U073CCT6TR	STM32U031R6T6	STM32U073K8U6
STM32U083MCT6TR	STM32U031C6T6	STM32U073M8T6
STM32U073CBT6	STM32U031C8U6	STM32U083KCU3
STM32U083KCU6	STM32U073KCU6TR	STM32U031K8U3
STM32U073KCU3	STM32U073R8T6	STM32U031R8T6
STM32U031K6U6	STM32U083CCT6	STM32U073CCT6
STM32U073C8U6	STM32U031K8U6	STM32U031C8T6
STM32U073MBT6		

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