


**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**

|                                  |                            |
|----------------------------------|----------------------------|
| <b>2.1 Contact supplier</b>      |                            |
| 2.1.1 Name                       | ROBERTSON HEATHER          |
| 2.1.2 Phone                      | +1 8475853058              |
| 2.1.3 Email                      | heather.robertson@st.com   |
| <b>2.2 Change responsibility</b> |                            |
| 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**

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

**4. Description of change**

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

**5. Reason / motivation for change**

|                             |   |
|-----------------------------|---|
| <b>5.1 Motivation</b>       | 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. |
| <b>5.2 Customer Benefit</b> | SERVICE IMPROVEMENT   |

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

|                        |  |
|------------------------|--|
| <b>6.1 Description</b> | Traceability ensure by ST internal tools |
|------------------------|--|

**7. Timing / schedule**

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

**8. Qualification / Validation**

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

| 9. Attachments (additional documentations)  |                         |                          |
|---|-------------------------|--------------------------|
| 14996 Public product.pdf<br>14996 PCN14996_Reliability RER2220 RER2321.pdf<br>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 Title :** JSCC (China) LQFP 7x7 48L /10x10 64L /12x12 80L and UQFPN 5x5 32L/ 7X7 48L new BOM for STM32U07/08x and STM32U03x listed product.

**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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