


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

| | | |
|-----------------------------|---|--------------------------------------|
| 1.1 Company |  | STMicroelectronics International N.V |
| 1.2 PCN No. | MICROCONTROLLERS/24/14977 | |
| 1.3 Title of PCN | JSCC (China) UFQFPN7X7 48L new BOM for STM32F40x, STM32F41x and STM32F42x listed products | |
| 1.4 Product Category | STM32F40x, STM32F41x and STM32F42x | |
| 1.5 Issue date | 2024-12-04 | |

2. PCN Team

| | |
|----------------------------------|----------------------------|
| 2.1 Contact supplier | |
| 2.1.1 Name | PIKE EMMA |
| 2.1.2 Phone | +44 1628896111 |
| 2.1.3 Email | emma.pike@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 | 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

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|-----------------------------|---|
| 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

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|------------------------|--|
| 6.1 Description | Traceability ensure by ST internal tools |
|------------------------|--|

7. Timing / schedule

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|--|--------------|
| 7.1 Date of qualification results | 2025-02-06 |
| 7.2 Intended start of delivery | 2025-02-10 |
| 7.3 Qualification sample available? | Upon Request |

8. Qualification / Validation

| | | | |
|---|---|-------------------|------------|
| 8.1 Description | 14977 MDRF-GPM-RER2220 V3.0 - PCN14068 - PCN14922 - PCN14977 - JSCC (China) UFQFPN VFQFPN evaluation report.pdf | | |
| 8.2 Qualification report and qualification results | Available (see attachment) | Issue Date | 2024-12-04 |

9. Attachments (additional documentations)

14977 Public product.pdf
14977 MDRF-GPM-RER2220 V3.0 - PCN14068 - PCN14922 - PCN14977 - JSCC (China) UFQFPN VFQFPN evaluation report.pdf
14977 _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 |
| | STM32F401CBU6 | |
| | STM32F410CBU3 | |
| | STM32F412CEU7 | |

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