

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

| | | |
|-----------------------------|---|--------------------------------------|
| 1.1 Company |  | STMicroelectronics International N.V |
| 1.2 PCN No. | MDG/19/10549 | |
| 1.3 Title of PCN | ASE Kaohsiung (Taiwan) additional source for LQFP 20x20 package products | |
| 1.4 Product Category | LQFP 20x20 listed products | |
| 1.5 Issue date | 2019-03-05 | |

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 |
| Transfer | Line transfer for a full process or process brick (process step, control plan, recipes) from one site to another site: Assembly site (SOP 2617) | ASE Kaohsiung Taiwan |

4. Description of change

| | | |
|---|---|--|
| | Old | New |
| 4.1 Description | Back-end source: - Amkor ATP Philippines | Back-end sources: - Amkor ATP Philippines - ASE Kaohsiung Taiwan - Additional source For more information, please refer to PCN10549 – Additional information attached document. |
| 4.2 Anticipated Impact on form, fit, function, quality, reliability or processability? | Lead color and surface finish change depending on leadfinishing. Package darkness changes depending on molding compound. Pin1 identifier remains in the same corner but might change in terms of form and positioning. Marking position and size could be different upon assembly site, without any loss of information. | |

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 site to maintain state of the art service level to our customers thanks to extra capacity. |
| 5.2 Customer Benefit | CAPACITY INCREASE |

6. Marking of parts / traceability of change

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|------------------------|--|
| 6.1 Description | Change is visible through assembly traceability plant, in the marking: - "7B" for Amkor ATP Philippines - "AA" for ASE Kaohsiung Taiwan Please refer to PCN 10549 – Additional information attached document. |
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7. Timing / schedule

| | |
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| 7.1 Date of qualification results | 2019-04-05 |
| 7.2 Intended start of delivery | 2019-04-29 |
| 7.3 Qualification sample available? | Upon Request |

| 8. Qualification / Validation | | | |
|--|---|------------|------------|
| 8.1 Description | 10549 MDG-MCD-RER1810 PCN10548 PCN10549 PCN10689-ASE Kaohsiung additional source for LQFP 7x7_10x10_14x14_20x20 STM8L STM32- reliability plan.pdf | | |
| 8.2 Qualification report and qualification results | Available (see attachment) | Issue Date | 2019-03-05 |

| 9. Attachments (additional documentations) |
|--|
| 10549 Public product.pdf 10549 MDG-MCD-RER1810 PCN10548 PCN10549 PCN10689-ASE Kaohsiung additional source for LQFP 7x7_10x10_14x14_20x20 STM8L STM32- reliability plan.pdf 10549 PCN10549_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 |
| | STM32F100ZCT6B | |
| | STM32F100ZDT6B | |
| | STM32F101ZCT6 | |
| | STM32F101ZDT6 | |
| | STM32F101ZGT6 | |
| | STM32F103ZCT6 | |
| | STM32F103ZET6 | |
| | STM32F103ZET6TR | |
| | STM32F103ZET7 | |
| | STM32F103ZFT6 | |
| | STM32F103ZGT6 | |
| | STM32F205ZCT6 | |
| | STM32F205ZCT7 | |
| | STM32F205ZET6 | |
| | STM32F205ZET7 | |
| | STM32F205ZFT6 | |
| | STM32F205ZGT6 | |
| | STM32F205ZGT6TR | |
| | STM32F207ZCT6 | |
| | STM32F207ZET6 | |
| | STM32F207ZFT6 | |
| | STM32F207ZGT6 | |
| | STM32F207ZGT6TR | |
| | STM32F207ZGT7 | |
| | STM32F215ZET6 | |
| | STM32F215ZGT6 | |
| | STM32F217ZET6 | |
| | STM32F217ZGT6 | |
| | STM32F303ZET6 | |
| | STM32F405ZGT6 | |
| | STM32F405ZGT7 | |
| | STM32F407ZET6 | |
| | STM32F407ZET7 | |
| | STM32F407ZGT6 | |
| | STM32F407ZGT6J | |
| | STM32F407ZGT7 | |
| | STM32F412ZGT6 | |
| | STM32F413ZHT6 | |

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| | STM32F415ZGT6 | |
| | STM32F417ZET6 | |
| | STM32F417ZGT6 | |
| | STM32F427ZGT6 | |
| | STM32F427ZIT6 | |
| | STM32F427ZIT7 | |
| | STM32F429ZET6 | |
| | STM32F429ZGT6 | |
| | STM32F429ZIT6 | |
| | STM32F437ZGT6 | |
| | STM32F437ZIT6 | |
| | STM32F437ZIT7 | |
| | STM32F439ZGT6 | |
| | STM32F439ZIT6 | |
| | STM32F446ZCT6 | |
| | STM32F446ZET6 | |
| | STM32F469ZIT6 | |
| | STM32F723ZET6 | |
| | STM32F730Z8T6 | |
| | STM32F745ZET6 | |
| | STM32F745ZGT6 | |
| | STM32F746ZET6 | |
| | STM32F746ZGT6 | |
| | STM32F750Z8T6 | |
| | STM32F756ZGT6 | |
| | STM32F765ZGT6 | |
| | STM32F765ZIT6 | |
| | STM32F767ZGT6 | |
| | STM32F767ZIT6 | |
| | STM32F777ZIT6 | |
| | STM32H743ZIT6 | |
| | STM32L151ZDT6 | |
| | STM32L151ZET6 | |
| | STM32L152ZET6 | |
| | STM32L471ZET6 | |
| | STM32L471ZGT6 | |
| | STM32L476ZET6 | |
| | STM32L476ZGT3 | |
| | STM32L476ZGT6 | |
| | STM32L486ZGT3 | |
| | STM32L486ZGT6 | |
| | STM32L496ZET6 | |
| | STM32L496ZGT3 | |
| | STM32L496ZGT6 | |
| | STM32L496ZGT6P | |
| | STM32L4A6ZGT6 | |
| | STM32L4A6ZGT6P | |
| | STM32L4R5ZIT6 | |
| | STM32L4R9ZIT6 | |

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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 : ASE Kaohsiung (Taiwan) additional source for LQFP 20x20 package products

PCN Reference : MDG/19/10549

Subject : Public Products List

Dear Customer,

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

| | | |
|-----------------|------------------|-----------------|
| STM32F215ZGT6 | STM32F427ZGT6 | STM32F205ZGT6W |
| STM32L4R9ZIT6 | STM32F407ZGT7 | STM32L151ZDT6 |
| STM32F103ZCT7TR | STM32F100ZCT6B | STM32F207ZFT6 |
| STM32F103ZET6 | STM32F723ZET7 | STM32F439ZGT6 |
| STM32F217ZGT6 | STM32F103ZET7 | STM32F429ZIT6TR |
| STM32F469ZIT6 | STM32L162ZDT6 | STM32F405ZGT6 |
| STM32L476ZET6TR | STM32F405ZGT6V | STM32F746ZGT6 |
| STM32F103ZGT6 | STM32F412ZGT6 | STM32F207ZCT7 |
| STM32L162ZET6 | STM32F207ZGT6TR | STM32F429ZET6 |
| STM32F207ZET6TR | STM32F412ZGT6TR | STM32F103ZDT6 |
| STM32F101ZGT6 | STM32F765ZIT7 | STM32F207ZET6 |
| STM32F205ZGT6V | STM32F207ZCT7TR | STM32F479ZIT6 |
| STM32F217ZET6 | STM32F417ZGT6 | STM32F103ZCT6TR |
| STM32F723ZET6 | STM32F439ZIT6 | STM32F415ZGT6 |
| STM32F469ZET6 | STM32L4S7ZIT6 | STM32F429ZGT6 |
| STM32L4S5ZIT6 | STM32F722ZET6TR | STM32L152ZET6 |
| STM32F205ZCT6TR | STM32L162ZCT6 | STM32F205ZGT6J |
| STM32F777ZIT6 | STM32F446ZET6 | STM32F103ZGT6J |
| STM32F427ZIT6TR | STM32H753ZIT6 | STM32F217ZET7 |
| STM32L471ZET6 | STM32F101ZDT6 | STM32L151ZCT6 |
| STM32F205ZCT6 | STM32L476ZET6 | STM32F437ZIT7 |
| STM32F407ZET6 | STM32F407ZGT6J | STM32F427ZIT7TR |
| STM32F730Z8T6 | STM32H743ZIT6 | STM32L151ZCT6TR |
| STM32F765ZGT7 | STM32L486ZGT6 | STM32F205ZET7 |
| STM32F405ZGT6J | STM32F207ZGT6J | STM32F103ZGT6TR |
| STM32F215ZGT7TR | STM32F429ZGT6TR | STM32F205ZCT7TR |
| STM32F207ZGT6 | STM32F437ZGT6 | STM32F437ZIT6 |
| STM32L152ZCT6TR | STM32F405ZGT6W | STM32F413ZGT6 |
| STM32L4S9ZIT6 | STM32F207ZGT7 | STM32F100ZET7B |
| STM32F103ZCT6 | STM32F446ZCT6JTR | STM32F205ZGT6TR |
| STM32F767ZIT6 | STM32F417ZET6 | STM32F303ZET6 |
| STM32F746ZET6 | STM32F100ZDT6B | STM32L486ZGT3 |
| STM32L151ZET6 | STM32L496ZET6 | STM32F405ZGT7 |
| STM32F746ZGT7 | STM32F407ZGT6 | STM32F302ZET6 |
| STM32F745ZGT7 | STM32F437ZIT7TR | STM32F205ZGT6 |
| STM32F101ZCT6 | STM32F722ZET6 | STM32F215ZET6 |



Public Products List

| | | |
|------------------|------------------|-----------------|
| STM32F429ZET6TR | STM32F103ZFT6 | STM32F101ZET6 |
| STM32F103ZET6TR | STM32F756ZGT6 | STM32F412ZET6 |
| STM32L562ZET6 | STM32F750Z8T6 | STM32F407ZET7 |
| STM32F745ZGT6 | STM32F207ZCT6 | STM32L152ZCT6 |
| STM32F205ZET6 | STM32L476ZGT6TR | STM32F103ZCT7 |
| STM32F765ZIT6 | STM32L4R5ZIT6P | STM32F205ZET6TR |
| STM32L552ZET6Q | STM32F429ZIT6 | STM32F407ZGT6TR |
| STM32F100ZET6BTR | STM32F446ZCT6 | STM32L471ZGT6 |
| STM32F723ZCT6 | STM32F423ZHT3 | STM32F427ZIT6 |
| STM32F722ZCT6 | STM32F205ZET7TR | STM32F413ZHT3 |
| STM32F767ZGT6 | STM32F101ZFT6 | STM32F205ZFT6 |
| STM32F765ZIT7TR | STM32F732ZET6 | STM32L4R9ZGT6 |
| STM32F205ZGT7 | STM32L496ZGT6 | STM32F479ZGT6 |
| STM32L496ZGT3 | STM32F215ZGT7 | STM32F733ZET6 |
| STM32L562ZET6Q | STM32F765ZGT6TR | STM32L152ZET6D |
| STM32L552ZET6P | STM32F446ZET7 | STM32L4R5ZGT6 |
| STM32F215ZET6TR | STM32F423ZHT6 | STM32F745ZET6 |
| STM32L4A6ZGT6P | STM32F427ZIT7 | STM32F205ZCT7 |
| STM32L4A6ZGT6 | STM32F302ZDT6 | STM32F765ZGT6 |
| STM32L552ZET6 | STM32L476ZGT6 | STM32F303ZDT6 |
| STM32F413ZHT6 | STM32F100ZDT6BTR | STM32L476ZGT3 |
| STM32L496ZGT6P | STM32F469ZGT6 | STM32L471ZET6TR |
| STM32L4R5ZIT6 | STM32L152ZDT6 | STM32F100ZET6B |
| STM32F303ZET7 | STM32L4R7ZIT6 | STM32L496ZGT6TR |
| STM32F429ZIT6E | STM32F429ZIT6G | |



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