


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

|                             |   |                                      |
|-----------------------------|---|--------------------------------------|
| <b>1.1 Company</b>          |                                  | STMicroelectronics International N.V |
| <b>1.2 PCN No.</b>          | MDG/18/10553  |                                      |
| <b>1.3 Title of PCN</b>     | STM32F listed products – TSMC Singapore Wafer Fab SSMC additional source  |                                      |
| <b>1.4 Product Category</b> | STM32F030x8 & STM32F051 & STM32F058 & STM32F301xB/C & STM32F302xB/C & STM32F303xB/C & STM32F358xC products listed |                                      |
| <b>1.5 Issue date</b>       | 2018-05-25  |                                      |

**2. PCN Team**

|                                  |                            |
|----------------------------------|----------------------------|
| <b>2.1 Contact supplier</b>      |                            |
| <b>2.1.1 Name</b>                | MARCELI SMIALKOWSKI        |
| <b>2.1.2 Phone</b>               | +44 1628896277             |
| <b>2.1.3 Email</b>               | marceli.smialkowski@st.com |
| <b>2.2 Change responsibility</b> |                            |
| <b>2.2.1 Product Manager</b>     | Michel BUFFA               |
| <b>2.1.2 Marketing Manager</b>   | Veronique BARLATIER        |
| <b>2.1.3 Quality Manager</b>     | Pascal NARCHE              |

**3. Change**

|                     |  |                                   |
|---------------------|--|-----------------------------------|
| <b>3.1 Category</b> | <b>3.2 Type of change</b>  | <b>3.3 Manufacturing Location</b> |
| Transfer            | Line transfer for a full process or process brick (process step, control plan, recipes) from one site to another site: Wafer fabrication | TSMC Singapore Wafer Fab SSMC     |

**4. Description of change**

|  |  |   |
|--|--|---|
|  | <b>Old</b>   | <b>New</b>  |
| <b>4.1 Description</b>   | Wafer diffusion plants :<br>- TSMC Taiwan Wafer Fab 8<br>- TSMC USA Wafer Fab 11 | Wafer diffusion plants :<br>- TSMC Taiwan Wafer Fab 8<br>- TSMC USA Wafer Fab 11<br>- TSMC Singapore Wafer Fab SSMC<br><br>There is no change in the product functionality. |
| <b>4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?</b> | no change  |   |

**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 front-end site to maintain state of the art service level to our customers thanks to extra capacity. |
| <b>5.2 Customer Benefit</b> | CAPACITY INCREASE   |

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

|                        |   |
|------------------------|---|
| <b>6.1 Description</b> | Traceability of the change is ensured by ST internal tools.<br>Change is visible through diffusion traceability plant, in the marking:<br>- "98" for TSMC Taiwan Wafer Fab 8<br>- "9U" for TSMC USA Wafer Fab 11<br>- "9C" for TSMC Singapore Wafer Fab SSMC<br>Please refer to PCN 10553 – Additional information attached document. |
|------------------------|---|

**7. Timing / schedule**

|  |                |
|--|----------------|
| <b>7.1 Date of qualification results</b>   | 2018-07-20     |
| <b>7.2 Intended start of delivery</b>      | 2018-08-20     |
| <b>7.3 Qualification sample available?</b> | Not Applicable |

**8. Qualification / Validation**

|   |  |                   |            |
|---|--|-------------------|------------|
| <b>8.1 Description</b>                                    | 10553 MDG-MCD-RER1802 - PCN10553 - STM32F listed products_TSMC Singapore Wafer Fab SSMC additional source - reliability plan.pdf |                   |            |
| <b>8.2 Qualification report and qualification results</b> | Available (see attachment)   | <b>Issue Date</b> | 2018-05-25 |

**9. Attachments (additional documentations)**

10553 Public product.pdf  
10553 MDG-MCD-RER1802 - PCN10553 - STM32F listed products\_TSMC Singapore Wafer Fab SSMC additional source - reliability plan.pdf  
10553 PCN10553\_Additional information.pdf

**10. Affected parts**

| <b>10. 1 Current</b>           |                                | <b>10.2 New (if applicable)</b> |
|--------------------------------|--------------------------------|---------------------------------|
| <b>10.1.1 Customer Part No</b> | <b>10.1.2 Supplier Part No</b> | <b>10.1.2 Supplier Part No</b>  |
|                                | STM32F030C8T6                  |                                 |
|                                | STM32F030R8T6                  |                                 |
|                                | STM32F051R8T6                  |                                 |

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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 :** STM32F listed products – TSMC Singapore Wafer Fab SSMC additional source

**PCN Reference :** MDG/18/10553

**Subject :** Public Products List

Dear Customer,

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

|                 |                 |                 |
|-----------------|-----------------|-----------------|
| STM32F051R6T6   | STM32F051C8T6TR | STM32F051C4T6   |
| STM32F051K6T6   | STM32F051K4U6TR | STM32F030C8T6   |
| STM32F051K8T6TR | STM32F302VCT7TR | STM32F051C6T7   |
| STM32F303RCT6TR | STM32F051K6U7TR | STM32F303VBT6   |
| STM32F051C8T7   | STM32F051R6T6TR | STM32F030C8T6TR |
| STM32F358CCT6   | STM32F302CBT7   | STM32F058C8U6   |
| STM32F051C8U6TR | STM32F051K8U7   | STM32F051C4T6TR |
| STM32F051C8T7TR | STM32F302VCT6   | STM32F302VCY6TR |
| STM32F051K6U6   | STM32F058R8T6   | STM32F051R4T6   |
| STM32F051K6U6TR | STM32F051K4U7TR | STM32F303VCT6   |
| STM32F051C6T6TR | STM32F058R8H7   | STM32F051K8U7TR |
| STM32F302VCT6TR | STM32F051C8T6   | STM32F051K6U7   |
| STM32F051K4U7   | STM32F302RCT7   | STM32F303CBT7   |
| STM32F030R8T6TR | STM32F303RCT7   | STM32F303CCT6   |
| STM32F051T8Y6TR | STM32F302RBT6TR | STM32F303VCT7   |
| STM32F303VBT6TR | STM32F302RCT7TR | STM32F058R8H6TR |
| STM32F051C8U6   | STM32F302CBT6   | STM32F051K4T6TR |
| STM32F303CCT6TR | STM32F051C4U6   | STM32F051K6T7TR |
| STM32F051K8T7   | STM32F303CBT6   | STM32F302CCT6   |
| STM32F051C6T6   | STM32F030R8T6   | STM32F051K8U6TR |
| STM32F303VCT7TR | STM32F051K4U6   | STM32F051K4T6   |
| STM32F051C8U7   | STM32F302VCT7   | STM32F302VBT6   |
| STM32F303VCT6TR | STM32F302RBT6   | STM32F051R8T6   |
| STM32F051K6T6TR | STM32F358VCT6   | STM32F051R8H7   |
| STM32F303VCY6TR | STM32F302RCT6   | STM32F051R6T7TR |
| STM32F051K6T7   | STM32F051C6U6   | STM32F303RBT6TR |
| STM32F051R8T7   | STM32F302VBT6TR | STM32F358RCT6   |
| STM32F303RBT6   | STM32F303RCT6   | STM32F051R8T6TR |
| STM32F051K8U6   | STM32F302RBT7   | STM32F058T8Y6TR |
| STM32F302CBT6TR | STM32F051R4T6TR | STM32F051K8T6   |
| STM32F058R8H7TR | STM32F303CBT6TR | STM32F303RBT7   |
| STM32F303CBT7TR | STM32F302RCT6TR | STM32F303RBT7TR |
| STM32F302CCT6TR | STM32F302CCT7   |                 |



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