

# PRODUCT / PROCESS CHANGE NOTIFICATION

## 1. PCN basic data

|                      |                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------|
| 1.1 Company          |  STMicroelectronics International N.V |
| 1.2 PCN No.          | POWER AND DISCRETE PRODUCTS/24/15088                                                                                   |
| 1.3 Title of PCN     | TO-220 line transfer from Shenzhen to TFME Tongke (China).                                                             |
| 1.4 Product Category | Pls refer to the Products List (Power MOSFET HV)                                                                       |
| 1.5 Issue date       | 2024-12-04                                                                                                             |

## 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     | Maurizio GIUDICE         |
| 2.1.2 Marketing Manager   | Paolo PETRALI            |
| 2.1.3 Quality Manager     | Vincenzo MILITANO        |

## 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) | TFME Tongke (China)        |

## 4. Description of change

|                                                                                       |                                                                |                                                                       |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------|
|                                                                                       | Old                                                            | New                                                                   |
| 4.1 Description                                                                       | ST Shenzhen (China) as Manufacturing plant for TO220 products. | TFME Tongke-SUBCON (China) as Manufacturing plant for TO220 products. |
| 4.2 Anticipated Impact on form,fit, function, quality, reliability or processability? | Processability                                                 |                                                                       |

## 5. Reason / motivation for change

|                      |                                                                     |
|----------------------|---------------------------------------------------------------------|
| 5.1 Motivation       | TO-220 Shenzhen line closure and equipment transfer to TFME Tongke. |
| 5.2 Customer Benefit | SERVICE CONTINUITY                                                  |

## 6. Marking of parts / traceability of change

|                 |                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------|
| 6.1 Description | by the first two digits of the traceability code ("GS"), by internal code (Finished Good) and Q.A. number. |
|-----------------|------------------------------------------------------------------------------------------------------------|

## 7. Timing / schedule

|                                     |              |
|-------------------------------------|--------------|
| 7.1 Date of qualification results   | 2024-11-14   |
| 7.2 Intended start of delivery      | 2025-02-24   |
| 7.3 Qualification sample available? | Upon Request |

## 8. Qualification / Validation

|                                                    |                              |            |            |
|----------------------------------------------------|------------------------------|------------|------------|
| 8.1 Description                                    | 15088 Reliability Report.zip |            |            |
| 8.2 Qualification report and qualification results | Available (see attachment)   | Issue Date | 2024-12-04 |

## 9. Attachments (additional documentations)

15088 Public product.pdf  
15088 TO-220 Line transfer from Shenzhen to Tongke - IND.pdf  
15088 Reliability Report.zip

| 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  |
|                         | STP10LN80K5             |                          |
|                         | STP10N105K5             |                          |
|                         | STP10N60M2              |                          |
| STP10NK80Z              | STP10NK80Z              |                          |
|                         | STP10NM60N              |                          |
|                         | STP11N60DM2             |                          |
|                         | STP11N65M2              |                          |
|                         | STP11N65M5              |                          |
| STP11NK40Z              | STP11NK40Z              |                          |
| STP11NK50Z              | STP11NK50Z              |                          |
| STP11NM60FD             | STP11NM60FD             |                          |
| STP11NM80               | STP11NM80               |                          |
|                         | STP12N120K5             |                          |
|                         | STP12N50M2              |                          |
|                         | STP12N65M5              |                          |
| STP12NK80Z              | STP12NK80Z              |                          |
| STP12NM50               | STP12NM50               |                          |
|                         | STP13N60M2              |                          |
|                         | STP13N65M2              |                          |
|                         | STP13N80K5              |                          |
|                         | STP13N95K3              |                          |
| STP13NK60Z              | STP13NK60Z              |                          |
|                         | STP14N80K5              |                          |
| STP14NK50Z              | STP14NK50Z              |                          |
|                         | STP15N60M2-EP           |                          |
|                         | STP15N65M5              |                          |
|                         | STP15N80K5              |                          |
|                         | STP15N95K5              |                          |
| STP15NK50Z              | STP15NK50Z              |                          |
|                         | STP16N65M2              |                          |
|                         | STP16N65M5              |                          |
|                         | STP18N55M5              |                          |
|                         | STP18N60DM2             |                          |
|                         | STP18N60M2              |                          |
|                         | STP18N65M2              |                          |
|                         | STP18N65M5              |                          |
|                         | STP18NM80               |                          |
|                         | STP19NM50N              |                          |
|                         | STP20N65M5              |                          |
|                         | STP20N90K5              |                          |
|                         | STP20N95K5              |                          |
| STP20NK50Z              | STP20NK50Z              |                          |
| STP20NM50               | STP20NM50               |                          |
| STP20NM50FD             | STP20NM50FD             |                          |
| STP20NM60FD             | STP20NM60FD             |                          |
|                         | STP21N90K5              |                          |
|                         | STP22N60DM6             |                          |

|           |               |  |
|-----------|---------------|--|
|           | STP23N80K5    |  |
|           | STP23NM50N    |  |
|           | STP23NM60ND   |  |
|           | STP24N60DM2   |  |
|           | STP24N60M2    |  |
|           | STP24N60M6    |  |
|           | STP24NM60N    |  |
|           | STP25N60M2-EP |  |
|           | STP25N80K5    |  |
|           | STP26N60DM6   |  |
|           | STP26N60M2    |  |
|           | STP26N65DM2   |  |
|           | STP28N60DM2   |  |
|           | STP28N65M2    |  |
|           | STP28NM50N    |  |
|           | STP28NM60ND   |  |
|           | STP2N105K5    |  |
|           | STP2N80K5     |  |
|           | STP2N95K5     |  |
| STP2NK90Z | STP2NK90Z     |  |
|           | STP30N65M5    |  |
|           | STP31N65M5    |  |
|           | STP33N60DM2   |  |
|           | STP33N60M6    |  |
|           | STP33N65M2    |  |
|           | STP34N65M5    |  |
|           | STP34NM60N    |  |
|           | STP34NM60ND   |  |
|           | STP35N60DM2   |  |
|           | STP35N65DM2   |  |
|           | STP36N60M6    |  |
|           | STP38N65M5    |  |
|           | STP3LN80K5    |  |
|           | STP3N150      |  |
|           | STP3N80K5     |  |
| STP3NK60Z | STP3NK60Z     |  |
| STP3NK90Z | STP3NK90Z     |  |
|           | STP40N60M2    |  |
|           | STP40N65M2    |  |
|           | STP42N60M2-EP |  |
|           | STP42N65M5    |  |
|           | STP43N60DM2   |  |
|           | STP45N60DM6   |  |
|           | STP45N65M5    |  |
|           | STP46N60M6    |  |
|           | STP4LN80K5    |  |
|           | STP4N150      |  |
|           | STP4N52K3     |  |
|           | STP4N80K5     |  |
|           | STP4N90K5     |  |
| STP4NK60Z | STP4NK60Z     |  |

|            |              |  |
|------------|--------------|--|
| STP4NK80Z  | STP4NK80Z    |  |
|            | STP50N60DM6  |  |
|            | STP50N65DM6  |  |
|            | STP50NF25    |  |
|            | STP57N65M5   |  |
|            | STP5N105K5   |  |
|            | STP5N80K5    |  |
|            | STP5N95K5    |  |
| STP5NK100Z | STP5NK100Z   |  |
| STP5NK50Z  | STP5NK50Z    |  |
| STP5NK80Z  | STP5NK80Z    |  |
|            | STP60N043DM9 |  |
|            | STP65N045M9  |  |
|            | STP65N150M9  |  |
|            | STP6N60M2    |  |
|            | STP6N62K3    |  |
|            | STP6N80K5    |  |
|            | STP6N90K5    |  |
|            | STP6N95K5    |  |
| STP6NK60Z  | STP6NK60Z    |  |
|            | STP7LN80K5   |  |
|            | STP7N105K5   |  |
|            | STP7N60M2    |  |
|            | STP7N80K5    |  |
|            | STP7N90K5    |  |
|            | STP7N95K3    |  |
| STP7NK80Z  | STP7NK80Z    |  |
|            | STP80N1K1K6  |  |
|            | STP80N240K6  |  |
|            | STP80N450K6  |  |
|            | STP80N600K6  |  |
|            | STP8N120K5   |  |
|            | STP8N80K5    |  |
|            | STP8N90K5    |  |
| STP8NK100Z | STP8NK100Z   |  |
| STP8NK80Z  | STP8NK80Z    |  |
|            | STP8NM50N    |  |
|            | STP9N60M2    |  |
|            | STP9N65M2    |  |
| STP9NK90Z  | STP9NK90Z    |  |

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## Public Products List

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**PCN Title :** TO-220 line transfer from Shenzhen to TFME Tongke (China).

**PCN Reference :** POWER AND DISCRETE PRODUCTS/24/15088

**Subject :** Public Products List

Dear Customer,

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

|             |               |             |
|-------------|---------------|-------------|
| STP80N450K6 | STP18N65M5    | STP4N90K5   |
| STP3N150    | STP43N60DM2   | STP33N60M6  |
| STP10N105K5 | STP13NK60Z    | STP24NM60N  |
| STP15N65M5  | STP57N65M5    | STP13N60M2  |
| STP36N60M6  | STP5N80K5     | STP9NK65Z   |
| STP8N90K5   | STP8N120K5    | STP31N65M5  |
| STP2NK90Z   | STP9N65M2     | STP45N60DM6 |
| STP6N90K5   | STP65N150M9   | STP7NK80Z   |
| STP38N65M5  | STP4N80K5     | STP80N900K6 |
| STP16N65M2  | STP50N65DM6   | STP42N65M5  |
| STP7N80K5   | STP8N80K5     | STP12N120K5 |
| STP5NK100Z  | STP5N105K5    | STP20N90K5  |
| STP5N95K5   | STP10LN80K5   | STP21N90K5  |
| STP24N60DM2 | STP6N95K5     | STP7N105K5  |
| STP4NK60Z   | STP11NK40Z    | STP11N65M2  |
| STP6NK60Z   | STP10N60M2    | STP25N80K5  |
| STP11NM80   | STP26N65DM2   | STP20NK50Z  |
| STP20N95K5  | STP20N60M2-EP | STP5NK80Z   |
| STP22N60DM6 | STP8NK100Z    | STP7N95K3   |
| STP4LN80K5  | STP28N65M2    | STP13N80K5  |
| STP30N65M5  | STP6N60M2     | STP65N045M9 |
| STP11N65M5  | STP18N60M2    | STP15NK50Z  |
| STP6N80K5   | STP60N043DM9  | STP28NM50N  |
| STP13N65M2  | STP6N62K3     | STP34N65M5  |
| STP9NK50Z   | STP15N80K5    | STP20NM50   |
| STP45N65M5  | STP40N60M2    | STP8NM50N   |
| STP35N60DM2 | STP2N80K5     | STP24N60M6  |
| STP34NM60N  | STP26N60M2    | STP7N90K5   |
| STP15N95K5  | STP24N60M2    | STP3NK90Z   |
| STP8NK80Z   | STP20NM60FD   | STP4NK80Z   |
| STP5N60M2   | STP19NM50N    | STP18NM80   |
| STP3LN80K5  | STP80N240K6   | STP50NF25   |
| STP10NM60N  | STP9N60M2     | STP20N65M5  |
| STP11N60DM2 | STP23N80K5    | STP26N60DM6 |
| STP40N65M2  | STP12NM50     | STP4N150    |
| STP80N1K1K6 | STP12N50M2    | STP80N340K6 |



## Public Products List

|               |               |               |
|---------------|---------------|---------------|
| STP9NK90Z     | STP18N60DM2   | STP33N60DM2   |
| STP5NK52ZD    | STP7N60M2     | STP15N60M2-EP |
| STP42N60M2-EP | STP25N60M2-EP | STP46N60M6    |
| STP35N65DM2   | STP10NK80Z    | STP11NK50Z    |
| STP3NK60Z     | STP7LN80K5    | STP33N60DM6   |
| STP23NM50N    | STP10N80K5    | STP2N95K5     |
| STP12N65M5    | STP18N65M2    | STP12NK80Z    |
| STP18N55M5    | STP33N65M2    | STP50N60DM6   |
| STP80N600K6   | STP7NK40Z     | STP2N105K5    |
| STP16N65M5    | STP5NK50Z     | STP14N80K5    |
| STP14NK50Z    | STP4N52K3     | STP20NM50FD   |
| STP28N60DM2   | STP13N95K3    |               |

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