


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

| | | |
|-----------------------------|---|--|
| 1.1 Company |  | STMicroelectronics International N.V |
| 1.2 PCN No. | | MDG/20/11933 |
| 1.3 Title of PCN | | ST25DV-I2C series with Open Drain GPO design improvement |
| 1.4 Product Category | | ST25DV-I2C series with Open-Drain GPO |
| 1.5 Issue date | | 2020-01-09 |

2. PCN Team

| | |
|----------------------------------|-------------------------|
| 2.1 Contact supplier | |
| 2.1.1 Name | NEMETH KRISZTINA |
| 2.1.2 Phone | +49 89460062210 |
| 2.1.3 Email | krisztina.nemeth@st.com |
| 2.2 Change responsibility | |
| 2.2.1 Product Manager | Benoit RODRIGUES |
| 2.1.2 Marketing Manager | Sylvain FIDELIS |
| 2.1.3 Quality Manager | Rita PAVANO |

3. Change

| | | |
|--------------------------|--|-----------------------------------|
| 3.1 Category | 3.2 Type of change | 3.3 Manufacturing Location |
| General Product & Design | Die redesign : Mask or mask set change with new die design like metallization (specifically chip frontside) or bug fix | Rousset (France) |

4. Description of change

| | | |
|--|---|--|
| | Old | New |
| 4.1 Description | See next paragraph | The ST25DV04K, ST25DV16K and ST25DV64K with Open Drain General Purpose Output Dynamic NFC Tags have undergone a design change at metal mask layer concerning: - The quality of internal load modulation generation to improve the tag's answer at all RF field conditions (from Hmin to Hmax). - The RF-I2C arbitration mechanism during extreme I2C bus activity. - The stability of on-going write operations during premature RF field cuts, when Vcc is on. These changes are improving the overall system robustness and have no impact on the application design. No hardware or software change is required at application level. |
| 4.2 Anticipated Impact on form,fit, function, quality, reliability or processability? | - Form: Marking change on package top side - Fit: No change - Function: No change | |

5. Reason / motivation for change

| | |
|-----------------------------|---|
| 5.1 Motivation | The strategy of STMicroelectronics Memory division is to support our customers on a long-term basis and to apply continuous improvement. In line with this commitment, those design enhancements will lead to: - Improve interoperability with readers - Increase system robustness - Facilitate access from RF interface when the device is under huge activity in I2C bus |
| 5.2 Customer Benefit | QUALITY IMPROVEMENT |

6. Marking of parts / traceability of change

| | |
|------------------------|-------------------------|
| 6.1 Description | Top side marking change |
|------------------------|-------------------------|

| 7. Timing / schedule | |
|-------------------------------------|--------------|
| 7.1 Date of qualification results | 2020-01-20 |
| 7.2 Intended start of delivery | 2020-07-01 |
| 7.3 Qualification sample available? | Upon Request |

| 8. Qualification / Validation | | | |
|--|-------------|------------|--|
| 8.1 Description | | | |
| 8.2 Qualification report and qualification results | In progress | Issue Date | |

| 9. Attachments (additional documentations) |
|---|
| 11933 Public product.pdf 11933 PCN ST25DV-I2C for Notice.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 |
| | ST25DV16K-IER6S3 | |

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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 : ST25DV-I2C series with Open Drain GPO design improvement

PCN Reference : MDG/20/11933

Subject : Public Products List

Dear Customer,

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

| | | |
|------------------|------------------|------------------|
| ST25DV64K-IER6T3 | ST25DV16K-IER8S3 | ST25DV16K-IER8T3 |
| ST25DV04K-IER6C3 | ST25DV16K-IER6S3 | ST25DV04K-IER8S3 |
| ST25DV16K-IER6T3 | ST25DV04K-IER6T3 | ST25DV04K-IER8T3 |
| ST25DV04K-IER6S3 | ST25DV64K-IER6S3 | ST25DV64K-IER8S3 |
| ST25DV64K-IER8T3 | ST25DV04K-IER8C3 | |



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