


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	
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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
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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
2726448	ST25DV04K-IER6T3	
	ST25DV16K-IER6S3	
	ST25DV16K-IER6T3	

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