

PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.	ADG/19/11718	
1.3 Title of PCI	M10 Microcontrollers: 2D Marking Introduction on LQFP-64 Package (ST Muar)	
1.4 Product Category	see list	
1.5 Issue date	2019-08-19	

2. PCI 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	Luca RODESCHINI
2.1.2 Marketing Manager	Paul KINOWSKI
2.1.3 Quality Manager	Alberto MERVIC

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Methods	Traceability (marking content, company logo, etc...)	ST Muar (Malaysia)

4. Description of change

	Old	New
4.1 Description	No 2D Marking	2D Marking
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No impact	

5. Reason / motivation for change

5.1 Motivation	Quality improvement, by introducing additional traceability information at marking level. Extended traceability will allow better backward analysis and more detailed feedbacks on process performance
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Date Code and direct product marking
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7. Timing / schedule

7.1 Date of qualification results	2019-08-08
7.2 Intended start of delivery	2019-09-30
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	11718 Details.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2019-08-19

9. Attachments (additional documentations)

11718 Public product.pdf
11718 Details.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
	SPC560B50L1C6E0X	
	SPC560C50L1B4E0X	
	SPC560D30L1B4E0X	
	SPC560D40L1B3E0X	
	SPC560D40L1B4E0X	
	SPC560D40L1C4E0X	
	SPC560P40L1CEFBR	

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Public Products List

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PCI Title : M10 Microcontrollers: 2D Marking Introduction on LQFP-64 Package (ST Muar)

PCI Reference : ADG/19/11718

Subject : Public Products List

Dear Customer,

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

SPC560P34L1CEFAY	SPC560D30L1B4E0X	SPC560D40L1B4E0X
SPC560D40L1B3E0X	SPC560P40L1CEFBR	SPC560C50L1B4E0X
SPC560P34L1CEFAR	SPC560B50L1B4E0X	SPC560P40L1CEFAR
SPC560D40L1C4E0X	SPC560P34L1BEABY	



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PRODUCT/PROCESS CHANGE INFORMATION

SUBJECT M10 Microcontrollers: 2D Marking Introduction on LQFP-64 Package (ST Muar)

IMPACTED PRODUCTS	ST silicon lines FB40, FB50 and FP40 assembled in LQFP 64 10x10x1.4 package: <table data-bbox="631 762 1279 1339"> <thead> <tr> <th>SILICON LINE</th><th>COMMERCIAL PRODUCT</th></tr> </thead> <tbody> <tr> <td rowspan="4">FB4003</td><td>SPC560D30L1B4E0X</td></tr> <tr> <td>SPC560D40L1B3E0X</td></tr> <tr> <td>SPC560D40L1B4E0X</td></tr> <tr> <td>SPC560D40L1C4E0X</td></tr> <tr> <td rowspan="3">FB5003</td><td>SPC560B50L1B4E0X</td></tr> <tr> <td>SPC560B50L1C6E0X</td></tr> <tr> <td>SPC560C50L1B4E0X</td></tr> <tr> <td rowspan="6">FP4003</td><td>SPC560P34L1BEABY</td></tr> <tr> <td>SPC560P34L1CEFAR</td></tr> <tr> <td>SPC560P34L1CEFAY</td></tr> <tr> <td>SPC560P40L1B2FBR</td></tr> <tr> <td>SPC560P40L1CEFAR</td></tr> <tr> <td>SPC560P40L1CEFBR</td></tr> </tbody> </table>	SILICON LINE	COMMERCIAL PRODUCT	FB4003	SPC560D30L1B4E0X	SPC560D40L1B3E0X	SPC560D40L1B4E0X	SPC560D40L1C4E0X	FB5003	SPC560B50L1B4E0X	SPC560B50L1C6E0X	SPC560C50L1B4E0X	FP4003	SPC560P34L1BEABY	SPC560P34L1CEFAR	SPC560P34L1CEFAY	SPC560P40L1B2FBR	SPC560P40L1CEFAR	SPC560P40L1CEFBR
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MANUFACTURING STEP	Assembly – Marking Step																		
INVOLVED PLANT	ST Muar Plant																		
CHANGE REASON	Quality improvement, by introducing additional traceability information at marking level. Extended traceability will allow better backward analysis and more detailed feedbacks on process performance.																		

CHANGE DESCRIPTION	Additional 2D marking on component (top-right corner), allowing progressive enhancement of product traceability (diffusion lot, wafer number, dice coordinates, etc.). Impact is concerning visual appearance only. See below example:  Current Marking New Marking
TRACEABILITY	Date code and direct product marking.
VALIDATION	Change concerns product appearance only, with no impact on form, fit and function. Validation has concerned internal traceability system, with no specific product related activity, apart from check on 2D mark readability.
CURRENT PRODUCTS	New 2D marking will be progressively implemented on all concerned products and will definitively replace the current one.
REPORTS	Not applicable.