

PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.		MMS/16/9718
1.3 Title of PCI		STM8AF product family errata sheets update
1.4 Product Category		STM8AF product family
1.5 Issue date		2016-04-28

2. PCI Team

2.1 Contact supplier	
2.1.1 Name	ROBERTSON HEATHER
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2.2 Change responsibility	
2.2.1 Product Manager	Michel BUFFA
2.1.2 Marketing Manager	Daniel COLONNA
2.1.3 Quality Manager	Pascal NARCHE

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
General Product & Design	Modification of datasheet	NA

4. Description of change

	Old	New
4.1 Description	<p>Previous errata sheets:</p> <ul style="list-style-type: none"> - Errata sheet DocID18392 revision 3 for STM8AF622x/4x/66/68, STM8AF612x/4x/66/68 products - Errata sheet DocID18393 revision 5 for STM8AF5xxx STM8AF6xxx products - Errata sheet DocID025112 revision 1 for STM8AF6223 STM8AF6226T products <p>The product datasheets below, specify VDD rise time parameter, implicitly for a VDD starting from 0V:</p> <ul style="list-style-type: none"> - Datasheet DocID14395 STM8AF526x/8x/Ax STM8AF6269/8x/Ax revision 12, - Datasheet DocID14952 STM8AF6246 STM8AF6248 STM8AF6266 STM8AF6268 revision 10, - Datasheet DocID025118 STM8AF6213 STM8AF6223 STM8AF6223A STM8AF6226 revision 5. 	<p>New errata sheets:</p> <ul style="list-style-type: none"> - Errata sheet DocID18392 revision 4 for STM8AF624x STM8AF626x products - Errata sheet DocID18393 revision 6 for STM8AF52xx STM8AF62xx products - Errata sheet DocID025112 revision 2 for STM8AF6213 STM8AF6223/26 products
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	no change	

5. Reason / motivation for change

5.1 Motivation	<p>Errata sheets update to better specify VDD rise time rate conditions that may be encountered in very specific application use cases.</p> <p>The product datasheets specify VDD rise time parameter implicitly for a VDD starting from 0V. Some very specific applications could have a VDD starting from a residual voltage already above 0V and thus require that we explicitly specify these conditions.</p> <p>Even if such applications, cumulating a VDD starting from a residual voltage above 0V and VDD rise time rate slower than 50µs/V, could be affected by potential marginal start-up limited to the PPM range, we decided to inform our customers as a precautionary measure.</p> <p>Applications that are not presenting any residual voltage on VDD and having a VDD rise time rate faster than 50µs/V are not concerned by this errata sheet update.</p>
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	NA
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7. Timing / schedule

7.1 Date of qualification results	2016-04-27
7.2 Intended start of delivery	2016-04-27
7.3 Qualification sample available?	Not Applicable

8. Qualification / Validation

8.1 Description	
8.2 Qualification report and qualification results	In progress

Issue Date**9. Attachments (additional documentations)**

9718PpPrdtLst.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
	STM8AF5288TAY	
	STM8AF5289TCY	
	STM8AF52AATCY	
	STM8AF6223PAU	
	STM8AF6223PDU	
	STM8AF6246TCSSY	
	STM8AF6266TCX	
	STM8AF628ATCY	
	STM8AF62A6UCY	

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