


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	AMS/21/12768	
1.3 Title of PCN	New Embedded UART bootloader version 4 ADC - STHD data change	
1.4 Product Category	See product list	
1.5 Issue date	2021-05-21	

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	Marcello SAN BIAGIO
2.1.2 Marketing Manager	Marco VENERI
2.1.3 Quality Manager	Jean-Marc BUGNARD

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
General Product & Design	Modification of datasheet :parameters/electrical specification (min./max./typ. values) and/or AC/DC specification	N/A

4. Description of change

	Old	New
4.1 Description	Embedded UART bootloader: - System clock running at 16 MHz during secure boot validation, time required for full flash image: about 5 seconds - Enabling readout protection and/or disabling SWD access will causes an hard fault at startup, so these features cannot be used. Datasheet DS13282 - Rev 3: - section 5.3.18 "ADC characteristics", Table 36. "ADC characteristics (HSI must be set to PLL mode)" Parameter STHD Diff 80 dB typical Parameter STHD SE 75 dB typical	Embedded UART bootloader: - System clock running at 64 MHz during secure boot validation, time required for full flash image: about 1.2 seconds - Readout protection and/or disabling SWD access features can be used by customers. Datasheet DS13282 - Rev 4: - section 5.3.18 "ADC characteristics", Table 37. "ADC characteristics (HSI must be set to PLL mode)" Parameter STHD Diff 75 dB typical Parameter STHD SE 70 dB typical
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	Minor	

5. Reason / motivation for change

5.1 Motivation	Performance improvements, bug fix, updated datasheet
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Traceability of change by FG, by datecode and following the Errata Document "ES0532 - Rev 2, Section 1.6"
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7. Timing / schedule

7.1 Date of qualification results	2021-08-27
7.2 Intended start of delivery	2021-08-27
7.3 Qualification sample available?	Not Applicable

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

9. Attachments (additional documentations)			
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12768 Public product.pdf			
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10. Affected parts			
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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
	BLUENRG-345AC	
	BLUENRG-345MC	
	BLUENRG-345MT	
	BLUENRG-355AC	
	BLUENRG-355MC	
	BLUENRG-355MT	

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