


PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.		MDG/21/12900
1.3 Title of PCI		STM32F46X 1MB product BootLoader improvement
1.4 Product Category		STM32F46X 1MB
1.5 Issue date		2021-07-13

2. PCI Team

2.1 Contact supplier	
2.1.1 Name	NEMETH KRISZTINA
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2.2 Change responsibility	
2.2.1 Product Manager	Ricardo Antonio DE SA EARP
2.1.2 Marketing Manager	Veronique BARLATIER
2.1.3 Quality Manager	Pascal NARCHE

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
General (Test Program)	Pattern modification : test pattern without reliability impact not supplied or agreed by customer	Crolles (France), Rousset (France), TSMC Fab14 (Taiwan)

4. Description of change

	Old	New
4.1 Description	Refer to application Note AN2606 version 48.0 April 2021 : - STM32F40xxx/41xxx devices in WLCSP90 package have Bootloader version V9.0. - STM32F40xxx/41xxx devices in all other packages have Bootloader version V3.1.	Refer to application Note AN2606 version 49.0 July 2021 : - All STM32F40xxx/41xxx devices in any package with new BootLoader version V9.1
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	No change on product Revision update – impact on customer if check on revision is done (it might impact customer production flow)	

5. Reason / motivation for change

5.1 Motivation	To unify bootloader version amongst all packages in STM32F46X 1MB family of products (ie: STM32F40xxx/41xxx devices) - Fixes the limitation on USART interface - Fixes the limitation on CCM RAM No impact, more flexibility
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Traceability of the change is ensured by ST internal tools.
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7. Timing / schedule

7.1 Date of qualification results	2021-07-30
7.2 Intended start of delivery	2021-08-30
7.3 Qualification sample available?	Not Applicable

8. Qualification / Validation

8.1 Description	
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8.2 Qualification report and qualification results	In progress	Issue Date	
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9. Attachments (additional documentations)

12900 Public product.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
	STM32F405RGT7	
	STM32F405VGT6	
	STM32F405ZGT6	
	STM32F405ZGT7	
	STM32F407IGH6	
	STM32F407IGT6	
	STM32F407IGT7	
	STM32F407VET6	
	STM32F407VGT6	
	STM32F407ZET6	
	STM32F407ZGT6	
	STM32F407ZGT7	
	STM32F415OGY6TR	
	STM32F415RGT6	
	STM32F417IET6	
	STM32F417IGH6	
	STM32F417VGT6	

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