


**PRODUCT / PROCESS CHANGE INFORMATION**

**1. PCI basic data**

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

**2. PCI Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	ROBERTSON HEATHER
<b>2.1.2 Phone</b>	+1 8475853058
<b>2.1.3 Email</b>	heather.robertson@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Ricardo Antonio DE SA EARP
<b>2.1.2 Marketing Manager</b>	Veronique BARLATIER
<b>2.1.3 Quality Manager</b>	Pascal NARCHE

**3. Change**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
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**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	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
<b>4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?</b>	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**

<b>5.1 Motivation</b>	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
<b>5.2 Customer Benefit</b>	QUALITY IMPROVEMENT

**6. Marking of parts / traceability of change**

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

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

**8. Qualification / Validation**

<b>8.1 Description</b>	
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8.2 Qualification report and qualification results	In progress	Issue Date	
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<b>9. Attachments (additional documentations)</b>
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
	STM32F405OEY6TR	
	STM32F405OGY6TR	
	STM32F405RGT6	
	STM32F405RGT6TR	
	STM32F405RGT6V	
	STM32F405RGT6W	
	STM32F405RGT7	
	STM32F405RGT7TR	
	STM32F405VGT6	
	STM32F405VGT6TR	
	STM32F405VGT6V	
	STM32F405VGT7	
	STM32F405VGT7TR	
	STM32F405ZGT6	
	STM32F405ZGT6W	
	STM32F405ZGT7	
	STM32F407IEH6	
	STM32F407IET6	
	STM32F407IGH6	
	STM32F407IGH6TR	
	STM32F407IGH7	
	STM32F407IGT6	
	STM32F407IGT7	
	STM32F407VET6	
	STM32F407VET6TR	
	STM32F407VGT6	
	STM32F407VGT6TR	
	STM32F407VGT7	
	STM32F407ZET6	
	STM32F407ZET7	
	STM32F407ZGT6	
	STM32F407ZGT6TR	
	STM32F407ZGT7	
	STM32F415OGY6TR	
	STM32F415RGT6	
	STM32F415RGT6TR	
	STM32F415VGT6	
	STM32F415ZGT6	
	STM32F417IEH6	
	STM32F417IET6	
	STM32F417IGH6	
	STM32F417IGT6	

	STM32F417IGT7	
	STM32F417VET6	
	STM32F417VGT6	
	STM32F417VGT6TR	
	STM32F417ZET6	
	STM32F417ZGT6	



## Public Products List

Public Products are off the shelf products. They are not dedicated to specific customers, they are available through ST Sales team, or Distributors, and visible on ST.com

**PCI Title :** STM32F46X 1MB product BootLoader improvement

**PCI Reference :** MDG/21/12900

**Subject :** Public Products List

Dear Customer,

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

STM32F405RGT6TR	STM32F407IGH6	STM32F407ZGT7
STM32F417IEH6	STM32F415VGT6TR	STM32F407VET6
STM32F407VGT7	STM32F405RGT7	STM32F417ZGT6
STM32F405ZGT6	STM32F405VGT6	STM32F417VGT7
STM32F405ZGT6V	STM32F415RGT6	STM32F407IGT6
STM32F417VGT6	STM32F405RGT7TR	STM32F407ZGT6TR
STM32F407IEH7	STM32F405VGT6V	STM32F405VGT6W
STM32F417IGH6TR	STM32F417VET6TR	STM32F407IET6
STM32F405VGT7TR	STM32F407IGH6TR	STM32F417VET6
STM32F415ZGT6	STM32F407IEH6TR	STM32F417IGH6W
STM32F415VGT6	STM32F407ZGT6	STM32F417IET6
STM32F415OGY6TR	STM32F405RGT6W	STM32F407ZET6
STM32F407IGH7	STM32F417IGH6	STM32F417IGT7
STM32F405ZGT6W	STM32F405OEY6TR	STM32F405OGY6TR
STM32F405VGT6TR	STM32F407VGT6	STM32F407IGT7
STM32F417VGT6TR	STM32F417IGT6	STM32F407IEH6
STM32F415RGT6TR	STM32F417ZET6	STM32F405ZGT7
STM32F407VGT6TR	STM32F405VGT7	STM32F407VET6TR
STM32F407ZET7	STM32F405RGT6	STM32F405RGT6V
STM32F407VGT7TR	STM32F415VGT7TR	



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