


PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCI No.	EMBEDDED PROCESSING/26/15933
1.3 Title of PCI	STM32H523x and STM32H533x Products - BootLoader & secure firmware enhancement
1.4 Product Category	STM32H523x and STM32H533x
1.5 Issue date	2026-03-20

2. PCI Team

2.1 Contact supplier	
2.1.1 Name	PIKE EMMA
2.1.2 Phone	+44 1628896111
2.1.3 Email	emma.pike@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Patrick AIDOUNE
2.1.2 Marketing Manager	Marie TOURNUT
2.1.3 Quality Manager	Pascal NARCHE

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
General Product & Design	Firmware modification : firmware is programed in the memory without effect of electrical performance at the customer (bug fix)	ST Crolles (France)

4. Description of change

	Old	New
4.1 Description	<p>Current STM32H523xx/533xx (Revision A) product System Flash Security Package (SFSP) v1.2.0 has limitations described in Errata Sheet ES0621 - Rev. 3 and :</p> <ul style="list-style-type: none"> • Backup domain erased upon reset when STiRoT boot is active and the clock other than LSI selected • STiRoT fails if a tamper event arises during the startup • Tamperers are not usable with STiRoT 	<p>STM32H523xx/533xx (Revision A) System Flash Security Package (SFSP) v1.3.0 enhancement.</p> <p>Change of security descriptor located in Bootloader area needed for integration w/ SFSP :</p> <ul style="list-style-type: none"> • The change of the SFSP descriptor located in Bootloader area has no impact on Bootloader. • The Bootloader binary remains unchanged. • Changes done in SFSP descriptor: change the address in API table for RSS services. <p>- ES0621 Errata sheet "STM32H523xx and STM32H533xx device errata": Revision 3 (replacing Rev. 2).</p> <p>- AN6014 Application Note "Introduction to SFSP versions for STM32H5 MCUs" : revision 3 for new SFSP version v1.3.0 (replacing the v1.2.0).</p>
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No impact, no datasheet change.	

5. Reason / motivation for change

5.1 Motivation	Fixes listed limitations
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Traceability ensured by ST internal tools
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7. Timing / schedule

7.1 Date of qualification results	2026-02-20
7.2 Intended start of delivery	2026-03-30
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)
15933 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
	STM32H523CCT6	
	STM32H523CCT7	
	STM32H523CCU6	
	STM32H523CET6	
	STM32H523CEU6	
	STM32H523RCT6	
	STM32H523RCT7	
	STM32H523RET6	
	STM32H523VCI6	
	STM32H523VCT6	
	STM32H523VEI6	
	STM32H523VET6	
	STM32H523VET7	
	STM32H523ZCJ6	
	STM32H523ZCT6	
	STM32H523ZEJ6	
	STM32H523ZET6	
	STM32H533CET6	
	STM32H533CEU6	
	STM32H533RET6	
	STM32H533VEI6	
	STM32H533VET6	
	STM32H533ZEJ6	
	STM32H533ZET6	

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