

PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.	EMBEDDED PROCESSING/26/15934	
1.3 Title of PCI	STM32H503x product - debug authentication with embedded firmware provisioning enhancement	
1.4 Product Category	STM32H503x	
1.5 Issue date	2026-03-23	

2. PCI Team

2.1 Contact supplier		
2.1.1 Name		
2.1.2 Phone		
2.1.3 Email		
2.2 Change responsibility		
2.2.1 Product Manager		
2.1.2 Marketing Manager		
2.1.3 Quality Manager		

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 300 (France)

4. Description of change

	Old	New
4.1 Description	STM32H503x (revision Y) has limitations : Debug Authentication fails if change of PRODUCT_STATE is done by embedded firmware	STM32H503x (Revision Y) enhancement : Debug Authentication provisioning with embedded firmware - fixed ES0561 device Errata sheet: New Revision 6 (replacing old Rev. 4).
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No hardware change in the product.	

5. Reason / motivation for change

5.1 Motivation	to fix the limitation described above
5.2 Customer Benefit	SERVICE 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	2026-04-15
7.2 Intended start of delivery	2026-04-15
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)
15934 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
	STM32H503CBT6	
	STM32H503CBU6	
	STM32H503CBU7	
	STM32H503CBU7TR	
	STM32H503KBU6	
	STM32H503RBT6	
	STM32H503RBT6TR	

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Public Products List

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PCI Title : STM32H503x product - debug authentication with embedded firmware provisioning enhancement

PCI Reference : EMBEDDED PROCESSING/26/15934

Subject : Public Products List

Dear Customer,

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

STM32H503KBU6	STM32H503CBU6TR	STM32H503CBU6
STM32H503CBT7	STM32H503KBU7	STM32H503CBU7
STM32H503RBT6	STM32H503RBT6TR	STM32H503KBU7TR
STM32H503CBT6	STM32H503RBT7	STM32H503CBT7TR
STM32H503EBY6TR		

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