

PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCI No.	MDG/23/14333
1.3 Title of PCI	STM32H56x/57x and STM32H503 change of the memory configuration bits
1.4 Product Category	STM32H503x, STM32H562x, STM32H563x, STM32H573x
1.5 Issue date	2023-12-06

2. PCI Team

2.1 Contact supplier	
2.1.1 Name	KRAUSE INA
2.1.2 Phone	+49 89460062370
2.1.3 Email	ina.krause@st.com
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 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	memory configuration bits wrong settings	Change in the memory configuration bits settings: - Addressable memory size is configured in some engineering registers not available in user mode. - Settings of those configuration bits were updated at production site to clearly differentiate 1M from 2M devices to conform to the device specification. - We expect very low impact at user side as information about those registers are not communicated in user documentations. - However in case the software application extends the CRC on those registers it will trigger a change.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No change on product May impact customer in case CRC is done (it might impact customer production flow)	

5. Reason / motivation for change

5.1 Motivation	Those bits are non user mode bits - but in case of CRC application software may trigger a change.
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	2024-01-03
7.2 Intended start of delivery	2024-01-10

7.3 Qualification sample available?	Not Applicable
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8. Qualification / Validation			
8.1 Description			
8.2 Qualification report and qualification results	In progress	Issue Date	

9. Attachments (additional documentations)
14333 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
	STM32H503RBT6	
	STM32H563IIK6	
	STM32H563VIT6	
	STM32H563ZIT6	
	STM32H573AII3Q	
	STM32H573AII6	
	STM32H573IIK3Q	
	STM32H573IIK6	
	STM32H573IIT3Q	
	STM32H573IIT6	
	STM32H573MIY3QTR	
	STM32H573RIT6	
	STM32H573RIV6	
	STM32H573VIT3Q	
	STM32H573VIT6	
	STM32H573ZIT3Q	
	STM32H573ZIT6	

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