PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data	
1.1 Company	**STMicroelectronics International N.V**
1.2 PCN No.	MDG/20/12212
1.3 Title of PCN	STM32H7A3x, STM32H7B3x and STM32H7B0x product improvement
1.4 Product Category	STM32H7A3x, STM32H7B3x and STM32H7B0x products
1.5 Issue date	2020-08-26

2. PCN Team	
2.1 Contact supplier	
2.1.1 Name	ROBERTSON HEATHER
2.1.2 Phone	+1 8475853058
2.1.3 Email	heather.robertson@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	Die redesign : Mask or mask set change with new die design like metallization (specifically chip frontside) or bug fix	Crolles 300 (France)

4. Description of change		
	Old	**New**
4.1 Description	STM32H7A3x, STM32H7B3x and STM32H7B0x 1. Rev Z having following limitations - Limitation with OctoSPI, FLASH, LSI, USB Pull up, Stb conso Documented in ES0478 - Rev 7 - January 2020 2. Bootloader version (V9.2) Documented in AN2606 - Rev 42 - December 2019 3. REV_ID: 0x1001 (DBGMCU_IDC register) Documented in RM0455 - Rev 3 - Jan 2020	STM32H7A3x, STM32H7B3x and STM32H7B0x New revision 1. Rev X fixes limitation System 2.2.1 "Performing a system reset during Flash memory program or erase operation is not supported" Documented in ES0478 - Rev 8 - June 2020 2. Bootloader version update (V9.2): no functional impact for end user. Documented in AN2606 - Rev 43 - June 2020 3. REV_ID: 0x1007 (DBGMCU_IDC register) Documented in RM0455 - Rev 4 - July 2020
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	Functionality enhancement	

5. Reason / motivation for change	
5.1 Motivation	STM32H7A3x, STM32H7B3x and STM32H7B0x Revision X includes fix of "Performing a system reset during Flash memory program or erase operation is not supported" limitation identified in Revision Z
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.

7. Timing / schedule	
7.1 Date of qualification results	2020-07-17
7.2 Intended start of delivery	2020-08-17
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation			
8.1 Description	12212 MDG-MCD RER1617-STM32H7A H7B x I U - Die 480XXXX - Reliability Evaluation Report_v1_1.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	**Issue Date**	2020-08-26

9. Attachments (additional documentations)
12212 Public product.pdf 12212 MDG-MCD RER1617-STM32H7A H7B x I U - Die 480XXXX - Reliability Evaluation Report_v1_1.pdf 12212 PCN12212_Additional information.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**
	STM32H7A3LIH6Q	
	STM32H7A3ZIT6	

Public Products List

Publict 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

PCN Title : STM32H7A3x, STM32H7B3x and STM32H7B0x product improvement

PCN Reference : MDG/20/12212

Subject : Public Products List

Dear Customer,

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

STM32H7A3VIT6Q	STM32H7A3QIY6QTR	STM32H7A3ZIT6Q
STM32H7B3VIT6	STM32H7B3QIY6QTR	STM32H7A3ZIT6
STM32H7A3LIH6Q	STM32H7A3VIT6	STM32H7B0ZBT6
STM32H7B3IIT6Q	STM32H7B3VIT6Q	STM32H7B3ZIT6Q
STM32H7B0VBT6	STM32H7B3LIH6Q	STM32H7A3AGI6Q
STM32H7B0VBT6TR	STM32H7A3VIH6	STM32H7B3IIK6Q
STM32H7B0RBT6	STM32H7A3LGH6Q	STM32H7B3AII6Q
STM32H7A3IIT6Q	STM32H7A3VIH6Q	STM32H7A3AII6Q
STM32H7B0ABI6Q	STM32H7A3IIT6	STM32H7B3NIH6
STM32H7B3IIT6	STM32H7A3IIK6Q	STM32H7B3VIH6Q
STM32H7B3RIT6	STM32H7A3VGT6	STM32H7A3NIH6
STM32H7A3IGT6	STM32H7B3IIK6	STM32H7A3RIT6
STM32H7A3ZGT6	STM32H7B0IBT6	STM32H7A3RGT6
STM32H7B0IBK6Q	STM32H7B3VIH6	STM32H7B3ZIT6
STM32H7A3NGH6	STM32H7A3IIK6	

IMPORTANT NOTICE – PLEASE READ CAREFULLY