


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/24/14117	
1.3 Title of PCN	STM32WBA52xx product enhancement for UFQFPN 7X7 48L & UFQFPN 5X5 32L listed Packages	
1.4 Product Category	STM32WBA52CEU6 / STM32WBA52CGU6 for UFQFPN 7X7 48L STM32WBA52KEU6 / STM32WBA52KGU6 for UFQFPN 5X5 32L	
1.5 Issue date	2024-02-28	

2. PCN 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	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	TSMC FAB14 (Taiwan)

4. Description of change

	Old	New
4.1 Description	STM32WBA52xx - (Die492 – cut1.0 revision A) product has limitation as described in Errata Sheet (ES0592 Rev2 / June 2023) - Core Floating-point state can be incorrectly cleared on some exception return faults (2.1.1) - RTC and TAMP Alarm flag may be repeatedly set when the core is stopped in debug (2.8.1) - USART Noise error flag set while ONEBIT is set (2.10.4)	STM32WBA52xx - (Die492 Cut2.0 revision B) product fixes those limitations as described in Errata Sheet (ES0592 Rev3). ES0592 Rev3 shall be available from ST Website (www.st.com) around march 2024.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	functionality enhancement	

5. Reason / motivation for change

5.1 Motivation	Improvements was implemented to increase robustness, performances and quality of our products.
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Traceability ensured by ST internal tools. Die revision changes from "A" to "B" on Package Marking
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7. Timing / schedule

7.1 Date of qualification results	2024-02-05
7.2 Intended start of delivery	2024-04-26
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	14117 RER2112_MDG-GPM_STM32WBA5xx-Die492 Reliability Evaluation Report_v2.1.pdf
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8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2024-02-28
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9. Attachments (additional documentations)

14117 Public product.pdf
14117 RER2112_MDG-GPM_STM32WBA5xx-Die492 Reliability Evaluation Report_v2.1.pdf
14117 PCN14117_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
	STM32WBA52CEU6	
	STM32WBA52CGU6	

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