


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/22/13640	
1.3 Title of PCN	STM32G070x, STM32G071x and STM32G081x - product enhancement	
1.4 Product Category	STM32G070CBxx STM32G070KBxx STM32G070RBxx STM32G071x8xx STM32G071xBxx STM32G081xBxx	
1.5 Issue date	2022-11-24	

2. PCN 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	Die redesign : Mask or mask set change with new die design like metallization (specifically chip frontside) or bug fix	TSMC FAB14 (Taiwan) ST Crolles (France)

4. Description of change

	Old	New
4.1 Description	STM32G070x, STM32G071x and STM32G081x 128K - (Die460- cut2.0 revision B) product has limitation as described in Errata Sheets. - ES0468 (Rev 3 - February 2021) STM32G070CB/KB/RB device errata - ES0418 (Rev 3 - February 2021) STM32G071xx device errata - ES0412 (Rev 3 - February 2021) STM32G081xB device errata	STM32G070x, STM32G071x and STM32G081x 128K - (Die460- cut2.1 revision Y) product has limitation as described in Errata Sheets. - ES0468 (Rev 4 - October 2022) STM32G070CB/KB/RB device errata - ES0418 (Rev 4 - October 2022) STM32G071xx device errata - ES0412 (Rev 4 - October 2022) STM32G081xB device errata
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	Impact on functionality as indicated in Errata Sheets: ES0468, ES0418 & ES0412	

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 "B" to "Y" on Package Marking
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7. Timing / schedule

7.1 Date of qualification results	2022-12-20
7.2 Intended start of delivery	2022-12-20

7.3 Qualification sample available?	Upon Request
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8. Qualification / Validation			
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8.1 Description	13640 PCN13640_RERMCD1602_TM32G0 128K - ORCA Zero 128K - die 460 - MCD QA reliability plan.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2022-11-24

9. Attachments (additional documentations)			
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13640 Public product.pdf 13640 PCN13640_RERMCD1602_TM32G0 128K - ORCA Zero 128K - die 460 - MCD QA reliability plan.pdf 13640 PCN13640_Additional information.pdf			
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10. Affected parts		
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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
	STM32G070CBT6	
	STM32G070KBT6	
	STM32G070RBT6	
	STM32G071GBU6N	
	STM32G071KBU6N	
	STM32L151RDT6TR	
	STM32G071C8U6TR	
2980900	STM32G071CBT6	
	STM32G071EBY6TR	
3011626	STM32G071G8U6	
	STM32G071GBU3	
2980894	STM32G071GBU6	
	STM32G071K8U6	
2980897	STM32G071KBT6	
	STM32G071KBT6N	
	STM32G071KBU3	
	STM32G071R8T6	
2980912	STM32G071RBI6	
	STM32G081KBT6	
2980913	STM32G081RBT6	
	STM32L151CBT6	
	STM32L151RDT6	
	STM32L151VDT6	
	STM32L152RCT6A	

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