


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	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	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	
	STM32G071C8T6	
	STM32G071C8U6TR	
	STM32G071CBT6	
	STM32G071CBT6TR	
	STM32G071CBU6	
	STM32G071EBY6TR	
	STM32G071G8U6	
	STM32G071G8U6TR	
	STM32G071GBU6	
	STM32G071GBU6N	
	STM32G071K8U6	
	STM32G071KBT6	
	STM32G071KBT6N	
	STM32G071KBU6	
	STM32G071KBU6N	
	STM32G071RBT6	
	STM32G081RBT6	
	STM32L100C6U6	
	STM32L100R8T6	
	STM32L100R8T6TR	
	STM32L100RBT6	
	STM32L151C6T6	
	STM32L151C6U6	
	STM32L151C8T6	
	STM32L151C8T6TR	
	STM32L151C8U6	
	STM32L151CBT6	
	STM32L151CBT6TR	
	STM32L151CBU6	
	STM32L151QDH6	
	STM32L151R6H6	
	STM32L151R6T6	
	STM32L151R8H6	
	STM32L151R8T6	

	STM32L151RBH6	
	STM32L151RBT6	
	STM32L151RBT6TR	
	STM32L151RCT6A	
	STM32L151RDT6	
	STM32L151RDT6TR	
	STM32L151RDY6TR	
	STM32L151V8T6	
	STM32L151VBH6	
	STM32L151VBT6	
	STM32L151VDT6	
	STM32L151ZCT6	
	STM32L151ZDT6	
	STM32L152C8T6	
	STM32L152C8U6	
	STM32L152CBT6	
	STM32L152CBU6	
	STM32L152R8H6	
	STM32L152R8T6	
	STM32L152RBH6	
	STM32L152RBT6	
	STM32L152RCT6A	
	STM32L152RDT6	
	STM32L152V8T6	
	STM32L152VBT6	
	STM32L152VBT6TR	
	STM32L152VDT6	
	STM32L152ZCT6	
	STM32L152ZDT6	
	STM32L162RDT6	
	STM32L162VDT6	
	STM32L162ZDT6	
	STM32G071KBU3	
	STM32G071R8T6	
	STM32G081KBT6	
	STM32G081KBU6	

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Public Products List

Public 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 : STM32G070x, STM32G071x and STM32G081x - product enhancement

PCN Reference : MDG/22/13640

Subject : Public Products List

Dear Customer,

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

STM32L151ZCT6TR	STM32L100R8T6	STM32G071C8U6TR
STM32G070RBT6	STM32G071RBI6	STM32G070KBT6
STM32G071RBT7TR	STM32G071RBI3TR	STM32L152VDT6TR
STM32L151CBU6TR	STM32L152CBT6	STM32L151VCT6ATR
STM32L151C8T6TR	STM32L152C8T6	STM32G081CBT6TR
STM32L152C6T6	STM32L152R6T6TR	STM32G071C8T3
STM32L151R6T6	STM32L100RBT6TR	STM32L151RBT6TR
STM32G071RBT3	STM32L152VCT6A	STM32L151R6H6
STM32L151VBH6TR	STM32L151R8T6	STM32G071R8T6
STM32L151C6U6	STM32L100R8T6TR	STM32G070RBT6TR
STM32G071KBT3	STM32G071G8U6TR	STM32L151RCT6A
STM32L152R8T6TR	STM32L152RCT6ATR	STM32L151VDT6
STM32L151C6T6TR	STM32G071GBU6N	STM32L151RBT6
STM32G070CBT6TR	STM32L152VBH6	STM32G071G8U6
STM32G071GBU3TR	STM32G071C8U7TR	STM32L151QDH6TR
STM32L151C8U6	STM32L162RDT6TR	STM32L152RBT6
STM32L100RBT6	STM32L151R6T6TR	STM32G071KBU6TR
STM32L151CBT6TR	STM32G081RBI6	STM32L100C6U6TR
STM32L162VCT6A	STM32G071KBT6N	STM32L152CBU6
STM32L151CBT6	STM32L152R8T6	STM32L152V8H6
STM32G071CBT6TR	STM32G071CBT6	STM32G081RBT3
STM32G071K8T3TR	STM32L151QDH6	STM32G071KBU6N
STM32G081CBT6	STM32G071C8U3	STM32G070KBT6TR
STM32G071GBU3	STM32L151C6T6	STM32L151R8H6
STM32G070CBT6	STM32L152ZDT6	STM32L151VBT6
STM32L152QCH6	STM32L151RDT6	STM32G071KBU7TR
STM32G071C8T6TR	STM32L152ZCT6	STM32G071CBT3
STM32G081RBT6TR	STM32L162VDT6	STM32G081RBT6
STM32G071GBU6	STM32G071GBU7	STM32L152V8H6TR
STM32G071CBU6TR	STM32L152R6T6	STM32G071K8U6
STM32L151VBT6TR	STM32G071C8T6	STM32G071CBU6
STM32G071C8U3TR	STM32L152RBH6	STM32L152VDT6
STM32G071CBT7TR	STM32L151C6U6TR	STM32L152RDY6TR
STM32L100C6U6	STM32L151V8H6	STM32L151RCY6TR
STM32G071KBT6	STM32L151R8H6TR	STM32G081CBU6
STM32L151V8T6	STM32G071G8U6N	STM32G071KBU7



Public Products List

STM32L152VBT6	STM32L151QCH6	STM32G071EBY6TR
STM32G081KBU6	STM32G071GBU6TR	STM32L151C8U6TR
STM32L152C8U6	STM32L152QDH6	STM32L162QCH6
STM32G081GBU6	STM32L152C6U6	STM32L151RBH6TR
STM32L162QDH6DTR	STM32L152R8H6	STM32G081EBY6TR
STM32G071RBT7	STM32L152RCT6A	STM32L152V8T6TR
STM32L151VBH6	STM32L162RDY6TR	STM32L152RDT6
STM32G071CBU3	STM32L151C8T6	STM32G071C8U7
STM32G071KBU6	STM32L152R6H6	STM32L151VCT6A
STM32L151RCT6ATR	STM32L151CBU6	STM32G071CBT7
STM32G071RBT6	STM32L151ZDT6	STM32L162RCT6A
STM32L162RDT6	STM32L151RDT6TR	STM32L152ZCT6TR
STM32L162ZDT6	STM32L152VBT6TR	STM32L162QDH6TR
STM32L162QDH6	STM32G071RBI3	STM32G071KBU3
STM32L151RDY6TR	STM32G071K8T3	STM32L151RDT7
STM32G081KBT6	STM32L151ZCT6	STM32L152V8T6
STM32G071GBU7TR	STM32L151VDT6TR	STM32L151RBH6
STM32L162ZCT6	STM32L162VDT6TR	STM32L151RBH6TTR



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