


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/19/11871	
1.3 Title of PCN	STM32G4 improvement	
1.4 Product Category	change 1: all STM32G4 products change 2: LeadFrame change only for STM32G4 products in LQFP64 and LQFP100 packages	
1.5 Issue date	2019-12-19	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	NEMETH KRISZTINA
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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	change 1 : TSMC FAB14 (Taiwan) change 2 : StatsChippac-SCCJ (China), Amkor ATP (The Philippines)

4. Description of change

	Old	New
4.1 Description	(change 1) Limitations described in ErrataSheets : - ES0430 Rev1 April 2019 for STM32G471xx/473xx/474xx/483xx/484xx devices. - ES0431 Rev1 April 2019 for STM32G431xx/441xx devices. (change 2) Mount and Bonding Diagram (MBD) Bill of material (BOM) change for LQFP64 and LQFP100 package	(change 1) Limitations removed from ErrataSheets : - ES0430 Rev2 for STM32G471xx/473xx/474xx/483xx/484xx devices. - ES0431 Rev2 for STM32G431xx/441xx devices. (change 2) Mount and Bonding Diagram: New MBD Bill Of Material: New Leadframe for LQFP64 and LQFP100 packages
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	No Change	

5. Reason / motivation for change

5.1 Motivation	QUALITY IMPROVEMENT - Correction of some limitations
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	see PCN11871 additional documentation
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7. Timing / schedule

7.1 Date of qualification results	2020-01-24
7.2 Intended start of delivery	2020-01-24
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	11871 Binder -MDG-MCD_RER1904 V1.1 - STM32G431x _ RER1703 V2.1-STM32G47x - STM32G48x.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2019-12-19

9. Attachments (additional documentations)

11871 Public product.pdf
11871 Binder -MDG-MCD_RER1904 V1.1 - STM32G431x _ RER1703 V2.1-STM32G47x -STM32G48x.pdf
11871 PCN11871_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
	STM32G431CBT6	

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Public Products List

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PCN Title : STM32G4 improvement

PCN Reference : MDG/19/11871

Subject : Public Products List

Dear Customer,

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

STM32G483RET6	STM32G431KBU6	STM32G473CET6
STM32G441CBU6	STM32G474CET6	STM32G431RBT6
STM32G441VBT6	STM32G431R6T6	STM32G431K8T6
STM32G431V8T6	STM32G473CBU6	STM32G473RCT6
STM32G483CET6	STM32G473VEH6TR	STM32G431CBU3
STM32G473VET6	STM32G474VET6	STM32G473QBT6
STM32G474VBT3	STM32G473RBT6	STM32G483VET6
STM32G431C6T6	STM32G431CBT6	STM32G473CCU6
STM32G473QET6	STM32G484CEU6	STM32G473QCT6
STM32G473CEU6	STM32G474CEU6	STM32G473RET6
STM32G431VBT6	STM32G474QCT6	STM32G474RET6
STM32G484VET6	STM32G474CCU6	STM32G473VBT6
STM32G474RBT3	STM32G474CBU6	STM32G474CBT3
STM32G441CBT6	STM32G431CBU6	STM32G474CET3
STM32G474RBT6	STM32G431K6U3	STM32G441KBU6
STM32G484QET6	STM32G474VEH6	STM32G441KBT6
STM32G431V6T6	STM32G474QET6	STM32G431KBU3
STM32G483QET6	STM32G474VET6TR	STM32G474RCT3
STM32G431R8T6	STM32G431CBT3	STM32G474VCT6
STM32G431C6T6	STM32G431C8T6	STM32G441RBT6
STM32G431RBI6	STM32G484RET6	STM32G473VCT6
STM32G474VBT6	STM32G474VET3	STM32G483CEU6
STM32G431KBT6	STM32G474RCT6	STM32G474QBT6
STM32G474QET6TR	STM32G484CET6	



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