


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

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

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	ROBERTSON HEATHER
<b>2.1.2 Phone</b>	+1 8475853058
<b>2.1.3 Email</b>	heather.robertson@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Ricardo Antonio DE SA EARP
<b>2.1.2 Marketing Manager</b>	Veronique BARLATIER
<b>2.1.3 Quality Manager</b>	Pascal NARCHE

**3. Change**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
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**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	(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
<b>4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?</b>	No Change	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	QUALITY IMPROVEMENT - Correction of some limitations
<b>5.2 Customer Benefit</b>	QUALITY IMPROVEMENT

**6. Marking of parts / traceability of change**

<b>6.1 Description</b>	see PCN11871 additional documentation
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**7. Timing / schedule**

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

**8. Qualification / Validation**

<b>8.1 Description</b>	11871 Binder -MDG-MCD_RER1904 V1.1 - STM32G431x _ RER1703 V2.1-STM32G47x - STM32G48x.pdf		
<b>8.2 Qualification report and qualification results</b>	Available (see attachment)	<b>Issue Date</b>	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**

<b>10. 1 Current</b>		<b>10.2 New (if applicable)</b>
<b>10.1.1 Customer Part No</b>	<b>10.1.2 Supplier Part No</b>	<b>10.1.2 Supplier Part No</b>
	STM32G431CBT6	
	STM32G431CBU6	
	STM32G431KBT6	
	STM32G431KBU6	
	STM32G431RBT6	
	STM32G431VBT6	
	STM32G474VET6	

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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 :** 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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