


PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.	MDG/19/11801	
1.3 Title of PCI	STM32G4 robustness improvement	
1.4 Product Category	STM32G431x and STM32G47xx/48xx products	
1.5 Issue date	2019-11-15	

2. PCI Team

2.1 Contact supplier	
2.1.1 Name	FRANCKE CHRISTIANE
2.1.2 Phone	+49 89460062128
2.1.3 Email	christiane.francke@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
Materials	Change of qualified supplier providing the same part number for indirect material (e.g. blade, ejector, capillary, window clamp, cropping punch, etc..)	Stats ChipPAC Jiangyin JSCC (China)

4. Description of change

	Old	New
4.1 Description	Current configuration on QFN48 package only STM32G431x: 5 ground wires STM32G47xx/48xx: 4 ground wires	New configuration STM32G431x: 7 ground wires on QFN48 package only STM32G47xx/48xx: 9 ground wires on QFN48 package only Robustness Improvement thanks to few additional ground wires.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No Change	

5. Reason / motivation for change

5.1 Motivation	To improve robustness thanks to additional ground wires
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Tracability ensured by ST internal tools
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7. Timing / schedule

7.1 Date of qualification results	2019-10-30
7.2 Intended start of delivery	2019-12-20
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	
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8.2 Qualification report and qualification results	In progress	Issue Date	
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9. Attachments (additional documentations)
11801 Public product.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
3132403	STM32G431CBU3	
3132404	STM32G431CBU6	
3132412	STM32G441CBU6	
	STM32G473CEU6	
3132392	STM32G474CEU6	
	STM32G484CEU6	

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