


PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.	MDG/23/13924	
1.3 Title of PCI	AMKOR (Korea) - qualification of a second source substrate supplier (SCC - Shennan Circuit Company) for BGA18x18, BGA16x16, BGA12x12 and BGA10x10 for STM32MP15x products	
1.4 Product Category	STM32MP15xx	
1.5 Issue date	2023-03-30	

2. PCI 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
Materials	Any change on substrate (part number, supplier, plant, design or composition of any layer, etc..)	AMKOR (Korea)

4. Description of change

	Old	New
4.1 Description	Current substrate supplier: - BGA10x10, BGA12x12 : UMTC supplier - BGA16x16, BGA18x18 : KCC supplier	New substrate supplier: - BGA10x10, BGA12x12 : UMTC and SCC suppliers - BGA16x16, BGA18x18 : KCC and SCC suppliers
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	NO CHANGE - Same Form, Fit, Function 1. Same substrate design for all package sizes, - Same Bonding diagram for each package - Same Package Outline Assembly (POA) 2. Same substrate Materials stack-up, 3. Same substrate Material thickness, 4. Same bill of material (BOM)	

5. Reason / motivation for change

5.1 Motivation	Qualified new supplier to support customer demand
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Traceability ensure by ST internal tools
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7. Timing / schedule

7.1 Date of qualification results	2023-03-17
7.2 Intended start of delivery	2023-03-27
7.3 Qualification sample available?	Not Applicable

8. Qualification / Validation

8.1 Description	13924 MDG-GPM-RER2310 V1-PCN13924_ATK4 BGA second source SCC - Report.pdf
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8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2023-03-30
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9. Attachments (additional documentations)	
13924 Public product.pdf 13924 MDG-GPM-RER2310 V1-PCN13924_ATK4 BGA second source SCC - Report.pdf 13924 PCN13924_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
3051898	STM32MP151AAA3	
3051899	STM32MP151AAB3	
3051901	STM32MP151AAC3	
3051902	STM32MP151AAD3	
3262499	STM32MP151CAA3	
3262500	STM32MP151CAB3	
3262501	STM32MP151CAC3	
3381472	STM32MP151DAB1	
3381467	STM32MP151DAC1	
3381463	STM32MP151DAD1	
3515811	STM32MP151FAD1	
3051903	STM32MP153AAA3	
3051904	STM32MP153AAB3	
3051905	STM32MP153AAC3	
3051906	STM32MP153AAD3	
3262504	STM32MP153CAB3	
3262505	STM32MP153CAC3	
3381473	STM32MP153DAB1	
3381464	STM32MP153DAD1	
3515812	STM32MP153FAB1	
3018578	STM32MP157AAA3	
3018579	STM32MP157AAB3	
3018580	STM32MP157AAC3	
3018582	STM32MP157AAD3	
3262507	STM32MP157CAA3	
3262511	STM32MP157CAC3	
3381474	STM32MP157DAB1	
3381469	STM32MP157DAC1	
3381465	STM32MP157DAD1	
3515814	STM32MP157FAA1	
3381475	STM32MP157FAB1	
3381471	STM32MP157FAC1	
3381466	STM32MP157FAD1	
3262502	STM32MP151CAD3	
	STM32MP153CAA3	
	STM32MP153CAD3	
3262508	STM32MP157CAB3	
3262512	STM32MP157CAD3	

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