

**PRODUCT / PROCESS CHANGE INFORMATION**

**1. PCI basic data**

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

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

**4. Description of change**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	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
<b>4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?</b>	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**

<b>5.1 Motivation</b>	Qualified new supplier to support customer demand
<b>5.2 Customer Benefit</b>	SERVICE IMPROVEMENT

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

<b>6.1 Description</b>	Traceability ensure by ST internal tools
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**7. Timing / schedule**

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

**8. Qualification / Validation**

<b>8.1 Description</b>	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
	STM32MP151AAA3	
	STM32MP151AAB3	
	STM32MP151AAC3	
	STM32MP151AAD3	
	STM32MP151CAA3	
	STM32MP151CAA3T	
	STM32MP151DAB1	
	STM32MP151DAC1	
	STM32MP151DAD1	
	STM32MP151FAA1	
	STM32MP153AAA3	
	STM32MP153AAB3	
	STM32MP153AAC3	
	STM32MP153AAD3	
	STM32MP153CAA3	
	STM32MP153DAB1	
	STM32MP153DAD1	
	STM32MP157AAA3	
	STM32MP157AAA3T	
	STM32MP157AAB3	
	STM32MP157AAB3T	
	STM32MP157AAC3	
	STM32MP157AAC3T	
	STM32MP157AAD3	
	STM32MP157AAD3T	
	STM32MP157CAA3	
	STM32MP157CAC3	
	STM32MP157DAB1	
	STM32MP157DAC1	
	STM32MP157DAD1	
	STM32MP157FAB1	
	STM32MP157FAC1	
	STM32MP157FAD1	

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## Public Products List

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**PCI Title :** AMKOR (Korea) - qualification of a second source substrate supplier (SCC - Shennan Circuit Company) for BGA18x18, BGA16x16, BGA12x12 and BGA10x10 for STM32MP15x products

**PCI Reference :** MDG/23/13924

**Subject :** Public Products List

Dear Customer,

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

STM32MP151DAB1	STM32MP153DAB1	STM32MP153CAB3T
STM32MP157CAB3T	STM32MP157DAB1	STM32MP151AAB3T
STM32MP157AAA3	STM32MP153AAB3T	STM32MP151AAB3
STM32MP153AAA3	STM32MP151AAA3	STM32MP157AAB3T
STM32MP151CAB3T	STM32MP153CAB3	STM32MP157CAB3
STM32MP151CAB3	STM32MP153FAB1	STM32MP157FAC1
STM32MP151FAB1	STM32MP157CAA3	STM32MP153CAC3T
STM32MP151DAA1	STM32MP157DAC1	STM32MP153AAB3
STM32MP157CAC3T	STM32MP151AAA3T	STM32MP153AAD3
STM32MP153DAA1	STM32MP151CAA3T	STM32MP151CAD3
STM32MP157AAC3T	STM32MP151CAA3	STM32MP157AAD3
STM32MP157DAA1	STM32MP157AAB3	STM32MP151FAA1
STM32MP157FAB1	STM32MP151FAC1	STM32MP157CAC3
STM32MP153CAC3	STM32MP153AAC3T	STM32MP153FAC1
STM32MP153CAA3	STM32MP153DAC1	STM32MP151DAC1
STM32MP151AAD3	STM32MP151DAD1	STM32MP157CAD3T
STM32MP153AAC3	STM32MP153CAD3T	STM32MP157DAD1
STM32MP151CAD3T	STM32MP157AAC3	STM32MP151AAC3
STM32MP153DAD1	STM32MP157FAD1	STM32MP157FAA1
STM32MP153FAA1	STM32MP151CAC3	STM32MP153CAD3
STM32MP153AAD3T	STM32MP157AAD3T	STM32MP151AAD3T
STM32MP151FAD1	STM32MP153CAA3T	STM32MP153FAD1
STM32MP157CAD3	STM32MP157CAA3T	STM32MP153AAA3T
STM32MP157AAA3T	STM32MP151CAC3T	STM32MP151AAC3T

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