


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	ANALOG MEMS SENSORS/24/14957	
1.3 Title of PCN	Bump type change from SnPb bumps to SnAg bumps for 101X family	
1.4 Product Category	See product list	
1.5 Issue date	2024-09-16	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	PIKE EMMA
2.1.2 Phone	+44 1628896111
2.1.3 Email	emma.pike@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Marcello SAN BIAGIO
2.1.2 Marketing Manager	Salvatore DI VINCENZO
2.1.3 Quality Manager	Jean-Marc BUGNARD

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Materials	Direct Material: Solder (Balls/Bumps) - Metallurgy (metallic composition/ raw material)	N/A

4. Description of change

	Old	New
4.1 Description	PI BCB 5um + SnPb solder (Cu/ Ni/ SnPb) 125um - - Bump : Sputter UBM Ti/ Cu 2kA/ 4kA + Electroplating UBM Cu/ Ni 5um/ 3um + Electroplating SnPb 117um	PI HD4100 5um + SnAg solder (Cu/ Ni/ SnAg) 125um - Bump : Sputter UBM Ti/ Cu 2kA/ 4kA + Electroplating UBM Cu/ Ni 5um/ 3um + Electroplating SnAg 117um
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No impact	

5. Reason / motivation for change

5.1 Motivation	Lead free products requested by customer to comply with Rohs directive.
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	New genealogy
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7. Timing / schedule

7.1 Date of qualification results	2024-09-09
7.2 Intended start of delivery	2024-12-15
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	14957 TSC101 SnAg bump change Report.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2024-09-16

9. Attachments (additional documentations)

10. Affected parts

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
	TSC101BILT	
	TSC888CILT	

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