


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	AMS/20/12170	
1.3 Title of PCN	New material set in ST Bouskoura for General Purpose Analog Automotive grade products in TSSOP14 packages	
1.4 Product Category	See product list	
1.5 Issue date	2020-05-20	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	NEMETH KRISZTINA
2.1.2 Phone	+49 89460062210
2.1.3 Email	krisztina.nemeth@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	New direct material part number (same supplier, different supplier or new supplier), Mold compound	Assembly plant = ST Bouskoura (Morocco)

4. Description of change

	Old	New
4.1 Description	Molding compound = Sumitomo G630AY Lead frame = Copper preplated NiPdAgAu standard density Equipment = 20 years old equipments (DA ASM AD889, WB ASM Eaggle 60) Traceability = Assy lot	Molding compound = Sumitomo G700KC Lead frame = Copper preplated NiPdAu standard density Equipment = Latest generation of equipment (DA ASM 832i, WB KnS Connex ELA) Traceability = 2D code allowing single die traceability
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	No impact	

5. Reason / motivation for change

5.1 Motivation	Progressing on activities related to quality continuous improvement, ST is glad to announce a new material set for Automotive Grade version of General Purpose Analog products in TSSOP14 package produced in ST Bouskoura. The goal of this PCN is to qualify new material set as described below and to move to brand new equipment replacing obsolete machines. This new set of material was developed to improve our product robustness and meet the specific needs of the automotive market.
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	New finished good codes
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7. Timing / schedule

7.1 Date of qualification results	2020-05-18
7.2 Intended start of delivery	2020-09-01
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	12170 Automotive-TSSOP14SHDQual Report_New material set.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2020-05-20

9. Attachments (additional documentations)

12170 Public product.pdf
12170 Automotive-TSSOP14SHDQual Report_New material set.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
	M74HC132YTTR	
	M74HC14YTTR	
	TS924IYPT	
3106017	TSX339IYPT	
3011620	TSX3704IYPT	

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