


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	ADG/21/12606	
1.3 Title of PCN	Products in BCD4 Housed in PowerSSO-36 Package: Bill Of Material Upgrade	
1.4 Product Category	see list	
1.5 Issue date	2021-02-18	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	ROBERTSON HEATHER
2.1.2 Phone	+1 8475853058
2.1.3 Email	heather.robertson@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Vito GRAZIANO
2.1.2 Marketing Manager	Angelo MOTTESE
2.1.3 Quality Manager	Marcello Donato MENCHISE

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), Bond wire material, diameter	ST Muar (Malaysia)

4. Description of change

	Old	New
4.1 Description	Au wire 1.3 mils Mold Compound Hitachi CEL9240	Cu wire 1.2 mils Mold Compound Sumitomo G700LS Lead frame finishing rough Copper
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No Impact	

5. Reason / motivation for change

5.1 Motivation	Company roadmap and quality improvement
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Dedicated Finished Good Codes
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7. Timing / schedule

7.1 Date of qualification results	2021-02-08
7.2 Intended start of delivery	2021-05-31
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	12606 Validation.zip		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2021-02-18

9. Attachments (additional documentations)
12606 Public product.pdf 12606 Validation.zip 12606 Details.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
	L9953LXPTR	
	L99DZ70XP	
	L99DZ70XPTR	
	L99MM70XPTR	
	L99MOD50XPTR	
	L99MOD53XPTR	
	L99MOD54XPTR	

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PRODUCT/PROCESS CHANGE NOTIFICATION

TITLE	Products in BCD4 Housed in PowerSSO-36 Package: Bill Of Material Upgrade
IMPACTED PRODUCTS	<p>ST lines diffused in BCD4s technology and assembled in PowerSSO36 package, currently adopting gold 1.3mil wires:</p> <ul style="list-style-type: none"> ✚ UH48 ✚ UH57 ✚ UH67 ✚ UH72 ✚ UH73 ✚ UH75
MANUFACTURING STEP	Assembly
INVOLVED PLANT	ST Muar Plant (Malaysia)
CHANGE REASON	Company roadmap and quality improvement
CHANGE DESCRIPTION	<p>Package Bill Of Material upgrade based on following conversions:</p> <ul style="list-style-type: none"> ✚ gold wires 1.3mil diameter converted to copper 1.2mil; ✚ mold compound Hitachi CEL 9240 converted to Sumitomo G700LS ✚ leadframe finishing converted to rough copper
TRACEABILITY	Internal Traceability and new Finished Good codes (internal part number)
VALIDATION	Validation has been performed according to ZVEI Guidelines for Automotive Changes, e.g. AEC Q100 and Q006:

<p>CURRENT PRODUCTS</p>	<p>Current products will be replaced by the new version with the upgraded Bill Of Material (wires, mold compound, leadframe finishing)</p>	
<p>REPORTS</p>	<p>12606 Validation.zip containing the below:</p> <ul style="list-style-type: none"> Reliability Report Electrical Comparison Report 	



Public Products List

Public Products are off the shelf products. They are not dedicated to specific customers, they are available through ST Sales team, or Distributors, and visible on ST.com

PCN Title : Products in BCD4 Housed in PowerSSO-36 Package: Bill Of Material Upgrade

PCN Reference : ADG/21/12606

Subject : Public Products List

Dear Customer,

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

L99DZ70XPTR	L9953XP	L9954LXP
L9954XP	L99MOD54XPTR	L99DZ70XP
L99MM70XPTR	L9953XPTR	L9953LXPTR
L99MM70XP	L9954LXPTR	L9954XPTR
L99MOD53XPTR	L99MOD50XPTR	



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