


# PRODUCT / PROCESS CHANGE NOTIFICATION

## 1. PCN basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCN No.	ANALOG MEMS SENSORS/24/15115
1.3 Title of PCN	Qualification of new material set for BGA package in ST Muar
1.4 Product Category	See product list
1.5 Issue date	2024-12-02

## 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 : Substrate - Raw material, Design or composition of any layer, manufacturing technology etc ?	ST MUAR - MALAYSIA

## 4. Description of change

	Old	New
4.1 Description	<ul style="list-style-type: none"> <li>- Matrix strip (215 x 57mm)</li> <li>- Substrate core material: Hitachi E679-FGB(M)</li> <li>- Substrate solder mask: TAIYO PSR-4000 AUS308</li> <li>- Resin: Sumitomo G760L</li> </ul>	<ul style="list-style-type: none"> <li>- XL strip (240 x 74mm)</li> <li>- Substrate core material: MITSUBISHI MGC-HL832NS</li> <li>- Substrate solder mask: TAIYO PSR-4000 AUS320</li> <li>- Resin: Sumitomo G770HF</li> </ul>
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No impact	

## 5. Reason / motivation for change

5.1 Motivation	PFAS free material conversion and modernization with high density substrate
5.2 Customer Benefit	ENVIRONMENT FOOTPRINT

## 6. Marking of parts / traceability of change

6.1 Description	New codification
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## 7. Timing / schedule

7.1 Date of qualification results	2025-06-15
7.2 Intended start of delivery	2025-07-31
7.3 Qualification sample available?	Upon Request

## 8. Qualification / Validation

8.1 Description	15115 PCN report BGA STULPI.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2024-12-02

9. Attachments (additional documentations)		
15115 Public product.pdf 15115 PCN report BGA STULPI.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
	STULPI01BTBR	

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