

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCN No.	ANALOG MEMS SENSORS/24/14956
1.3 Title of PCN	New Polyimide for HCMOS5 / HF5CMOS General Purpose Analog products
1.4 Product Category	See product list
1.5 Issue date	2024-09-26

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	Marcello SAN BIAGIO
2.2.2 Marketing Manager	Salvatore DI VINCENZO
2.2.3 Quality Manager	Jean-Marc BUGNARD

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Wafer Fab (Materials)	Direct and indirect materials/consumables (excluding substrate) :Introduction of new material (ex: change of molecule, change of slurry, ...)	Diffusion : UMC Taiwan

4. Description of change

	Old	New
4.1 Description	Passivation : USG-PSG-SiON-PIX (I-8320A)	Passivation : USG-PSG-SiON-PIX (I8124R)
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No change	

5. Reason / motivation for change

5.1 Motivation	Due to delivery disruption of polyimide I-8320A from Asahi STMicroelectronics qualified a new polyimide I8124R sharing similar characteristics. This polyimide I-8320A is in use in UMC Taiwan for technology HCMOS5 and HF5CMOS for product General Purpose Analog
5.2 Customer Benefit	SERVICE CONTINUITY

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	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	14956 Report-new-polyimide-H5.pdf	
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date 2024-09-26

9. Attachments (additional documentations)

14956 Public product.pdf
14956 Report-new-polyimide-H5.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
	LMV821AIYLT	
	LMV821IYLT	
	LMV822AIYDT	
	LMV822AIYST	
	LMV822IYDT	
	LMV822IYST	
	LMV824AIYDT	
	LMV824AIYPT	
	LMV824IYDT	
	LMV824IYPT	
	TSV851AIYLT	
	TSV851IYLT	
	TSV852AIYDT	
	TSV852AIYST	
	TSV852IYDT	
	TSV852IYST	
	TSV854AIYPT	
	TSV854IYPT	

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Public Products List

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PCN Title : New Polyimide for HCMOS5 / HF5CMOS General Purpose Analog products

PCN Reference : ANALOG MEMS SENSORS/24/14956

Subject : Public Products List

Dear Customer,

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

LMV824AIYDT	TSV854AIYPT	TSV852IYST
TSV852AIYST	LMV822IYST	LMV822IYDT
TSV852IYDT	TSV851IYLT	LMV821AIYLT
LMV822AIYST	TSV854IYPT	LMV824AIYPT
TSV851AIYLT	LMV822AIYDT	LMV824AIYDT
TSV852AIYDT	LMV821IYLT	LMV824IYPT

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