


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	ANALOG MEMS SENSORS/26/16321	
1.3 Title of PCN	New Polyimides for HCMOS5 / HF5CMOS General Purpose Analog products	
1.4 Product Category	See product list	
1.5 Issue date	2026-04-27	

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	Lionel GRILLO
2.1.3 Quality Manager	David MOCELLIN

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Wafer Fab (Materials)	Direct and indirect materials/consumables (excluding substrate) : Change of supplier or source (new plant) with same material (same molecule) and equivalent or better performance	UMC Taiwan

4. Description of change

	Old	New
4.1 Description	I-8124ER polyimide used on P/Ns TSV852AIYST, TSV854AIYPT, LMV824AIYPT	HD4100 or LTC9310 polyimide used on P/Ns TSV852AIYST, TSV854AIYPT, LMV824AIYPT
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	No change on electrical and reliability performance	

5. Reason / motivation for change

5.1 Motivation	Due to delivery disruption of polyimide I-8124ER from Asahi need to qualify two new polyimide HD4100 from Resonac and LTC9310 from Fujifilm, sharing similar characteristics with the qualified one. This polyimide I-8124ER 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	2026-12-30
7.2 Intended start of delivery	2027-01-15
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	16321 PCN_Report-new-polyimide-H5_rev.2.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2026-04-27

9. Attachments (additional documentations)

16321 Public product.pdf
16321 PCN_Report-new-polyimide-H5_rev.2.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	
	LMV822AIYST	
	LMV822IYST	
	LMV824AIYDT	
	LMV824AIYPT	
	LMV824IYDT	
	LMV824IYPT	

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