


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/19/11773	
1.3 Title of PCN	MIM module process change in Samsung Foundry :MIM HAH stack implementation on products DVF11019B1ABC, STIH412-BJB and STIH412DHJB.	
1.4 Product Category	DVF11019B1ABC - STIH412-BJB - STIH412DHJB	
1.5 Issue date	2019-10-11	

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	Stephane MOUGIN
2.1.2 Marketing Manager	Pascal AUDIFFREN
2.1.3 Quality Manager	Emilie CHAIX

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Wafer Fab (Equipment)	New equipment changing process technique or using different technology	Samsung Foundry in Korea

4. Description of change

	Old	New
4.1 Description	Emeral 3000 machine is used for Metal Insulator Metal (MIM) deposition.	Pulsar machine will be used for MIM HAH stack implementation.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	NO	

5. Reason / motivation for change

5.1 Motivation	Samsung Foundry decided to qualify a new MIM deposition equipment for performance and throughput improvement. Note on deliveries : Lead Time = 11 weeks
5.2 Customer Benefit	SERVICE CONTINUITY

6. Marking of parts / traceability of change

6.1 Description	Traceability ensured via wafer datecode.
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7. Timing / schedule

7.1 Date of qualification results	2019-11-10
7.2 Intended start of delivery	2019-12-27
7.3 Qualification sample available?	Not Applicable

8. Qualification / Validation

8.1 Description	11773 PCN11773_Additional information_w39.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2019-10-11

9. Attachments (additional documentations)

11773 Public product.pdf
11773 PCN11773_Additional information_w39.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
	STIH412-BJB	

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PCN Title : MIM module process change in Samsung Foundry :MIM HAH stack implementation on products DVF11019B1ABC, STIH412-BJB and STIH412DHJB.

PCN Reference : MDG/19/11773

Subject : Public Products List

Dear Customer,

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

STIH412DHJB	STIH412-BJB	
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