

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	ADG/20/12238	
1.3 Title of PCN	STL135N8F7AG -OD88A1- (All Ctms): Activation of AMK8 as Additional Diffusion Plant and AMK-EWS as Electrical Wafer Sort	
1.4 Product Category	STL135N8F7AG	
1.5 Issue date	2020-07-08	

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	Mario ASTUTI
2.1.2 Marketing Manager	Michele SCUTO
2.1.3 Quality Manager	Vincenzo MILITANO

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Transfer	Line transfer for a full process or process brick (process step, control plan, recipes) from one site to another site: Wafer fabrication	ST AMK8 - AMK-EWS, Singapore recipient plant

4. Description of change

	Old	New
4.1 Description	ST CT8 - Catania-EWS, Italy (wetable mtl in ST Tours France)	ST CT8 - Catania-EWS, Italy (wetable mtl in ST Tours France) ST AMK8 - AMK-EWS, Singapore
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No Impact	

5. Reason / motivation for change

5.1 Motivation	Capacity Increase
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Dedicated Finished Good Code
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7. Timing / schedule

7.1 Date of qualification results	2020-07-31
7.2 Intended start of delivery	2020-09-01
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	12238 Preliminary Rel Report.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2020-07-08

9. Attachments (additional documentations)		
12238 Public product.pdf 12238 Preliminary Rel Report.pdf 12238 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
	STL135N8F7AG	

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PRODUCT/PROCESS CHANGE NOTIFICATION

SUBJECT **STL135N8F7AG -OD88A1- (All Ctms): Activation of AMK6 as Additional Diffusion Plant and Electrical Wafer Sort (EWS)**

IMPACTED PRODUCTS	ST silicon line OD88A1 Commercial Product STL135N8F7AG
MANUFACT. STEP	Silicon Diffusion (Front End) and Electrical Wafer Sort (EWS)
INVOLVED PLANT	ST AMK8 (Diffusion Plant) AngMoKio , Singapore ST AMK-EWS (Electrical Wafer Sort) AngMoKio , Singapore
CHANGE REASON	Expansion of current silicon diffusion capacity (volumes increase) and flexible/secure production asset – dual sourcing strategy
CHANGE DESCRIPTION	AMK8 and AMK-EWS will be activated on STL135N8F7AG beside current Catania CT8 and Catania EWS. Wettable Metal, currently performed in Tours ST fab, will be performed in AMK8 as well.
TRACEABILITY	New dedicated Finished Good code (Internal Part Number)

VALIDATION

According to AEC-Q101 qualification plan for Discrete Semiconductors and ZVEI Guideline :

Assessment of impact on Supply Chain regarding following aspects - contractual agreements - technical interface of processability/manufacturability of customer - form, fit, function, quality performance, reliability		Remaining risks on Supply Chain?	
ID	Type of change	No	Yes
SEM-PW-13	Move of all or part of wafer fab to a different location/site/subcontractor	P	P
SEM-EQ-02	Production from a new equipment/tool which uses the same basic technology (replacement equipment or extension of existing equipment pool) without change of process.		P
SEM-TF-01	Move of all or part of electrical wafer test and/or final test to a different location/site/subcontractor	P	P

Qualification will be completed by week 30/2020

REPORTS

Preliminary results enclosed to this communication

Final results will be provided by week 30/2020



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 : STL135N8F7AG -OD88A1- (All Ctrms): Activation of AMK8 as Additional Diffusion Plant and AMK-EWS as Electrical Wafer Sort

PCN Reference : ADG/20/12238

Subject : Public Products List

Dear Customer,

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

STL135N8F7AG		
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