


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	ADG/20/12391	
1.3 Title of PCN	VIPower M0A5/M0H5: Activation of Singapore 8" Wafer Fab (SG8) as Additional Location	
1.4 Product Category	see list	
1.5 Issue date	2020-10-26	

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	Nicola LIPORACE, Mario ASTUTI
2.1.2 Marketing Manager	Carmelo PISTRITTO
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 AngMoKio 8" - SG8 (Singapore)

4. Description of change

	Old	New
4.1 Description	AngMoKio 6" - AMK6 (Singapore)	AngMoKio 6"- AMK6 (Singapore) AngMoKio 8" - SG8 (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	CAPACITY INCREASE

6. Marking of parts / traceability of change

6.1 Description	Dedicated Finished Good Codes
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7. Timing / schedule

7.1 Date of qualification results	2020-10-15
7.2 Intended start of delivery	2021-01-31
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	12391 Validation.zip		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2020-10-26

9. Attachments (additional documentations)

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
	VN5E050AJ-E	
	VN5E050AJTR-E	
	VN5E160STR-E	
	VND5012AK-E	
	VND5012AKTR-E	
	VND5E160AJ-E	
	VND5E160AJTR-E	
	VNL5030JTR-E	
	VNL5030S5TR-E	
	VNL5300S5TR-E	
	VNLD5300TR-E	
	VNQ5050AKTR-E	
	VNQ5E050AKTR-E	

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PRODUCT/PROCESS CHANGE NOTIFICATION

TITLE	VIPower M0A5/M0H5: Activation of Singapore 8" Wafer Fab (SG8) as Additional Location
IMPACTED PRODUCTS	See list.
MANUFACTURING STEP	Silicon Diffusion (Front End).
INVOLVED PLANT	AngMoKio 8' wafer fab – SG8 (Singapore)
CHANGE REASON	Expansion of current silicon diffusion capacity (volumes increase).
CHANGE DESCRIPTION	Activation of SG8 on VIPower M0A5, M0H5 Technology
TRACEABILITY	New dedicated Finished Good code (Internal Part Number).
VALIDATION	<p>According to AEC-Q100 qualification plan for Integrated Circuits and ZVEI Guideline</p> <p>ZVEI Change ID:</p> <ul style="list-style-type: none"> - SEM-PW-02 New Wafer Diameter - SEM-PW-12 Change of specified wafer process sequence... - SEM-PW-13 Move of all or part of wafer fab to a different location/site/subcontractor - SEM-EQ--02 Production from a new equipment..... <p>See included ZVEI matrix for details</p>
REPORTS	<p>12391 Validation.zip that contains:</p> <ul style="list-style-type: none"> - Reliability Reports (AEC-100) - Electrical Validation Reports - Transfer Difference FMEA



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 : VIPower M0A5/M0H5: Activation of Singapore 8" Wafer Fab (SG8) as Additional Location

PCN Reference : ADG/20/12391

Subject : Public Products List

Dear Customer,

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

VNL5030S5TR-E	VND5E160AJTR-E	VND5E160AJ-E
VNQ5050AK-E	VND5012AKTR-E	VND5012AK-E
VNQ5E050AKTR-E	VN5E050AJTR-E	VN5E050AJ-E
VN5E160STR-E	VNQ5E050AK-E	VNL5030JTR-E
VNLD5300TR-E	VNQ5050AKTR-E	VNL5300S5TR-E
VNL5030J-E		



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