

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCN No.	ADG/23/14262
1.3 Title of PCN	VIPower M0A5/M0H5: Activation of Singapore 8" Wafer Fab (SG8) as Additional Location (second wave)
1.4 Product Category	see list
1.5 Issue date	2023-08-29

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,Carmelo PISTRITTO
2.1.2 Marketing Manager	Rosario RUGGERI
2.1.3 Quality Manager	Daniela FAZIO

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	2023-08-07
7.2 Intended start of delivery	2023-11-30
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	14262 Qualification reports.zip		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2023-08-29

9. Attachments (additional documentations)

14262 Public product.pdf
14262 Details.pdf
14262 Qualification reports.zip

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
	VN5012AKTR-E	
	VNH5019ATR-E	
	VNL5050S5TR-E	
	VNL5090N3TR-E	
	VNL5090S5TR-E	
	VNL5160N3TR-E	
	VNL5160S5TR-E	
	VNL5160TR-E	
	VNL5160TR-E	
	VNQ5027AKTR-E	

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Product/process change notification:

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

ADG/23/14262

Product family	Technology	Package
VIPower M0A5/M0H5	VIPower M0A5/M0H5	Various

(optional)

Description of the change

Activation of SG8 on VIPower M0A5, M0H5 Technology

Reason

Expansion of current silicon diffusion capacity (volumes increase).

Date of implementation

Within November 2023

Impact of the change

Form	No Change
Fit	No Change
Function	No Change
Reliability	No Change
Processibility	No Change

Qualification of the change

According to AEC-Q100 qualification plan for Integrated Circuits and ZVEI Guideline ZVEI Change ID: - 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...

See included ZVEI matrix for details.

APPENDIX 2: QUALIFICATION PLAN

See included qualification Plan /Qualification Results reports

- RERLVIP23031 M05 products_Ang Mo Kio SG8" Wafer FAB activation_second batch.pdf
- RRABDCT1916_M05 Technology transfer in Ang Mo Kio (SG8)_Second source.pdf
- RRLGS20019 M05 products_Ang Mo Kio SG8" Wafer FAB activation_revB.pdf

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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 (second wave)

PCN Reference : ADG/23/14262

Subject : Public Products List

Dear Customer,

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

VNL5160N3TR-E	VNL5090S5TR-E	VN5012AKTR-E
VNLD5090TR-E	VNL5050S5TR-E	VNH5019ATR-E
VNLD5160TR-E	VNL5160S5TR-E	VNQ5027AKTR-E
VNL5090N3TR-E		

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