


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

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

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	ROBERTSON HEATHER
<b>2.1.2 Phone</b>	+1 8475853058
<b>2.1.3 Email</b>	heather.robertson@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Mario ASTUTI, Carmelo PISTRITTO
<b>2.1.2 Marketing Manager</b>	Rosario RUGGERI
<b>2.1.3 Quality Manager</b>	Daniela FAZIO

**3. Change**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
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**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	AngMoKio 6" - AMK6 (Singapore)	AngMoKio 6"- AMK6 (Singapore) AngMoKio 8" - SG8 (Singapore)
<b>4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?</b>	No Impact	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	Capacity Increase
<b>5.2 Customer Benefit</b>	CAPACITY INCREASE

**6. Marking of parts / traceability of change**

<b>6.1 Description</b>	Dedicated Finished Good Codes
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2023-08-07
<b>7.2 Intended start of delivery</b>	2023-11-30
<b>7.3 Qualification sample available?</b>	Upon Request

**8. Qualification / Validation**

<b>8.1 Description</b>	14262 Qualification reports.zip		
<b>8.2 Qualification report and qualification results</b>	Available (see attachment)	<b>Issue Date</b>	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	
	VNLD5090TR-E	
	VNLD5160TR-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 <i>(optional)</i>	Various

### 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

Product/process change notification:

ADG/23/14262

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

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### 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.

Product/process change notification:

ADG/23/14262

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

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## 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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