

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.		ADG/22/13746
1.3 Title of PCN		STL7LN65K5AG 8" Wafer Front-end Capacity Extension (SG8" Singapore) - AUTOMOTIVE
1.4 Product Category		Power MOSFET HV
1.5 Issue date		2022-10-31

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	Maurizio GIUDICE
2.1.2 Marketing Manager	Paolo PETRALI
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	Catania CTM8 8", Singapore SG8 8"

4. Description of change

	Old	New
4.1 Description	STL7LN65K5AG is manufactured in the 8" wafer line of (CTM8 Catania)	STL7LN65K5AG is manufactured in the 8" wafer line of (SG8" Singapore)
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	no impact	

5. Reason / motivation for change

5.1 Motivation	STL7LN65K5AG front-end Capacity Extension.
5.2 Customer Benefit	CAPACITY INCREASE

6. Marking of parts / traceability of change

6.1 Description	By internal traceability and dedicated FG code.
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7. Timing / schedule

7.1 Date of qualification results	2022-10-27
7.2 Intended start of delivery	2023-04-28
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	13746 RERPTD22005_1.0_STL7LN65K5AG_VK8GA1_SG8_MLP5x6_STS.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2022-10-31

9. Attachments (additional documentations)

13746 Public product.pdf

13746 STL7LN65K5AG 8 Wafer Front-end Capacity Extension - SG8.pdf

13746 RERPTD22005_1.0_STL7LN65K5AG_VK8GA1_SG8_MLP5x6_STS.pdf

13746 PCN-FORM-Rev_4_0.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
	STL7LN65K5AG	

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Standardized Information for Process/Product Change Notification (PCN)

1. PCN basic data			
1.1 Company	 STMicroelectronics International N.V.		
1.2 PCN No.	PCN ADG/22/13746		
1.3 Title of PCN	STL7LN65K5AG 8" Wafer Front-end Capacity Extension - Ang Mo Kio - AUTOMOTIVE		
1.4 Product Category	Active Components – Discrete Components		
1.5 Issue date	2022/10/27		
1.6 PCN revision history (optional)	1.7 Issue date of previous revision (optional)	1.8 Delta to previous revision (optional)	
2. PCN Team			
2.1 Contact supplier			
2.1.1 Name			
2.1.2 Phone			
2.1.3 Email			
2.2 Team supplier (optional)			
2.2.1 Name (optional)	2.2.2 Phone (optional)	2.2.3 Email (optional)	
3. Changes			
No.	3.0 Ident	3.1 Category	3.2 Type of change
#1	SEM-PW-13	PROCESS - WAFER PRODUCTION	Move of all or part of wafer fab to a different location/site/subcontractor
4. Description of change			
	Old	New	
Change #1	STL7LN65K5AG is manufactured in the 8" wafer line of (CTM8 Catania)	STL7LN65K5AG is manufactured in the 8" wafer line of (SG8" Singapore)	
4.1 Anticipated impact on form, fit, function, reliability or processability?	no impact		
4.2 Reference parts with customer number (optional)			

Form provided by ZVEI - Revision 4.0



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 : STL7LN65K5AG 8" Wafer Front-end Capacity Extension (SG8" Singapore) - AUTOMOTIVE

PCN Reference : ADG/22/13746

Subject : Public Products List

Dear Customer,

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

STL7LN65K5AG		
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Power Transistor Sub-Group
High Voltage Business Unit
Automotive & Discrete Group (ADG)

Process Change Notification

STL7LN65K5AG 8" Wafer Front-end Capacity Extension (SG8" Singapore)

AUTOMOTIVE

Dear Customer,

Following the continuous improvement of our service and to increase Front-end Capacity, this document is announcing the new 8" wafer line for MDmesh K5 Technology of Power MOSFET Transistors in ST's SG8" Singapore FAB.

STL7LN65K5AG manufactured in 8" wafer size of SG8" Singapore FAB, guarantees the same quality and electrical characteristics as per current production.

The test vehicles and involved in the qualification are listed in the following tables:

Product Family	Technology	Package	Part Number
Power MOSFET Transistors	MDmesh K5	PowerFLAT 5x6 VHV	STL7LN65K5AG

Qualification program and results availability:

The reliability test report is provided in attachment to this document.

Samples availability:

Samples of the test vehicle devices will be available on request starting from week 44 of 2022. Any other sample request will be processed and scheduled by HV Business Unit upon request.

Change implementation schedule:

The production start and first shipments will be implemented after week 17 of 2023 or even earlier, by agreement with the customer.

Marking and traceability:

Unless otherwise stated by customer specific requirement, traceability of STL7LN65K5AG, manufactured in ST's SG8" Singapore FAB, will be ensured by internal code (Finished Good) and Q.A. number.

Yours faithfully,