


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	AMS/22/13807	
1.3 Title of PCN	Linear Voltage Regulators: new die introduction for the L78M05 in HBIP40 Technology.	
1.4 Product Category	Pls refer to Products List.	
1.5 Issue date	2022-11-29	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
2.1.1 Name	ROBERTSON HEATHER
2.1.2 Phone	+1 8475853058
2.1.3 Email	heather.robertson@st.com
<b>2.2 Change responsibility</b>	
2.2.1 Product Manager	Marcello SAN BIAGIO
2.1.2 Marketing Manager	Salvatore DI VINCENZO
2.1.3 Quality Manager	Giuseppe LISI

**3. Change**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
General Product & Design	Die redesign : Mask or mask set change with new die design like metallization (specifically chip frontside) or bug fix	AMK6 (ST Singapore Fab)

**4. Description of change**

	<b>Old</b>	<b>New</b>
4.1 Description	L78M05AC and L78M05AB in LAAT technology. L78M05C in LAAT and HBIP40 technologies.	All PNs (L78M05XX) in HBIP40 technology.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No changes in term of Quality, Reliability and Electrical Characteristics.	

**5. Reason / motivation for change**

5.1 Motivation	With the scope of the continuous improvement, an optimized layout version of L78M05XX has been implemented for all packages. Electrical characteristics remain unchanged. Quality and Reliability parameters are still guaranteed at the same level as in the past. The change will increase our flexibility and production capability in order to better meet and satisfy customers demand.
5.2 Customer Benefit	SERVICE IMPROVEMENT

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

6.1 Description	New dedicated FGs.
-----------------	--------------------

**7. Timing / schedule**

7.1 Date of qualification results	2022-11-04
7.2 Intended start of delivery	2023-04-03
7.3 Qualification sample available?	Upon Request

**8. Qualification / Validation**

8.1 Description	13807 QR.zip		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2022-11-29

9. Attachments (additional documentations)		
13807 Public product.pdf 13807 QR.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
L78M05ABDT-TR	L78M05ABDT-TR	
	L78M05ABV	
	L78M05ABV-DG	
L78M05ACDT-TR	L78M05ACDT-TR	
L78M05CDT-TR	L78M05CDT-TR	
L78M05CV	L78M05CV	
	L78M05CV-DG	

## **IMPORTANT NOTICE – PLEASE READ CAREFULLY**

Subject to any contractual arrangement in force with you or to any industry standard implemented by us, STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST's terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers' products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2018 STMicroelectronics – All rights reserved



## 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** : Linear Voltage Regulators: new die introduction for the L78M05 in HBIP40 Technology.

**PCN Reference** : AMS/22/13807

**Subject** : Public Products List

Dear Customer,

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

L78M05CV	L78M05CDT-TR	L78M05ABV
L78M05ACDT-TR	L78M05ABDT-TR	L78M05ABV-DG
L78M05CP	L78M05CV-DG	



### IMPORTANT NOTICE – PLEASE READ CAREFULLY

Subject to any contractual arrangement in force with you or to any industry standard implemented by us, STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST's terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers' products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.