

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

2.1 Contact supplier	
2.1.1 Name	NEMETH KRISZTINA
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2.2 Change responsibility	
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

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
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

	Old	New
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.
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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	
L78M05CDT-TR	L78M05CDT-TR	
L78M05CV	L78M05CV	

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