

**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	AMS/19/11724	
<b>1.3 Title of PCN</b>	Linear Voltage Regulators: New die Introduction for the L78xx series (5V, 12V and 15V Output Voltage versions) in HBIP40 Technology	
<b>1.4 Product Category</b>	See product list	
<b>1.5 Issue date</b>	2019-09-09	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	FRANCKE CHRISTIANE
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<b>2.1.3 Email</b>	christiane.francke@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Lorenzo NASO
<b>2.1.2 Marketing Manager</b>	Salvatore DI VINCENZO
<b>2.1.3 Quality Manager</b>	Sergio Tommaso SPAMPINATO

**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	ST Ang Mo Kio, Singapore

**4. Description of change**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	HBIP40 Technology	HBIP40 Technolgy : Layout Optimization, mainly consisting in EWS trimming structure removal (currently not used)
<b>4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?</b>	No changes in term of Quality, Reliability and Electrical Characteristics	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	Following Divisional commitment towards a continuous improvement philosophy, an optimized layout has been implemented on some versions of L78xx product family housed in TO220 and D2PAK packages. Electrical characteristics remain unchanged. Quality and Reliability parameters are still guaranteed at the same level as in the past. The above changes will increase our flexibility and production capability on confirming orders that will be translated in a better service to our Customers.
<b>5.2 Customer Benefit</b>	SERVICE IMPROVEMENT

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

<b>6.1 Description</b>	The traceability of the HBIP40 Technology parts will be ensured by different internal codification and QA number
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2019-08-12
<b>7.2 Intended start of delivery</b>	2019-12-06
<b>7.3 Qualification sample available?</b>	Upon Request

**8. Qualification / Validation**

<b>8.1 Description</b>	11724 W040-18-RAO_XA05-L78xx Layout Optimization_1.1.pdf
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8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2019-09-09
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<b>9. Attachments (additional documentations)</b>
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11724 Public product.pdf 11724 W040-18-RAO_XA05-L78xx Layout Optimization_1.1.pdf
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<b>10. Affected parts</b>
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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
	L7805ACV	
9756078	L7805CV	
	L7812ACV-DG	

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