

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

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

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	Lorenzo NASO
2.1.2 Marketing Manager	Salvatore DI VINCENZO
2.1.3 Quality Manager	Sergio Tommaso SPAMPINATO

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	ST Ang Mo Kio, Singapore

4. Description of change

	Old	New
4.1 Description	HBIP40 Technology	HBIP40 Technolgy : Layout Optimization, mainly consisting in EWS trimming structure removal (currently not used)
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	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.
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	The traceability of the HBIP40 Technology parts will be ensured by different internal codification and QA number
------------------------	--

7. Timing / schedule

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

8. Qualification / Validation

8.1 Description	11724 W040-18-RAO_XA05-L78xx Layout Optimization_1.1.pdf
------------------------	--

8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2019-09-09
--	----------------------------	------------	------------

9. Attachments (additional documentations)			
11724 Public product.pdf			
11724 W040-18-RAO_XA05-L78xx Layout Optimization_1.1.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
497-1170-2-ND	L7805ABD2T-TR	
L7805ABD2T-TR	L7805ABD2T-TR	
497-2947-5-ND	L7805ABV	
L7805ABV	L7805ABV	
	L7805ABV-DG	
L7805ACD2T-TR	L7805ACD2T-TR	
497-1441-5-ND	L7805ACV	
L7805ACV	L7805ACV	
	L7805ACV-DG	
497-1171-2-ND	L7805CD2T-TR	
L7805CD2T-TR	L7805CD2T-TR	
497-1443-5-ND	L7805CV	
L7805CV	L7805CV	
	L7805CV-DG	
L7812ABD2T-TR	L7812ABD2T-TR	
L7812ABV	L7812ABV	
	L7812ABV-DG	
L7812ACD2T-TR	L7812ACD2T-TR	
497-1450-5-ND	L7812ACV	
L7812ACV	L7812ACV	
	L7812ACV-DG	
497-1178-2-ND	L7812CD2T-TR	
L7812CD2T-TR	L7812CD2T-TR	
497-1452-5-ND	L7812CV	
L7812CV	L7812CV	
	L7812CV-DG	
L7815ABD2T-TR	L7815ABD2T-TR	
L7815ABV	L7815ABV	
	L7815ABV-DG	
L7815ACD2T-TR	L7815ACD2T-TR	
L7815ACV	L7815ACV	
	L7815ACV-DG	
L7815CD2T-TR	L7815CD2T-TR	
497-1454-5-ND	L7815CV	
L7815CV	L7815CV	
	L7815CV-DG	



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 L78xx series (5V, 12V and 15V Output Voltage versions) in HBIP40 Technology

PCN Reference : AMS/19/11724

Subject : Public Products List

Dear Customer,

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

L7815CV	L7815ABD2T-TR	L7812ACD2T-TR
L7815CD2T-TR	L7805ABV	L7805ACV
L7815CV-DG	L7812CV	L7812ABV-DG
L7812ABV	L7812CV-DG	L7815ACV
L7812ABD2T-TR	L7815ACD2T-TR	L7815ABV-DG
L7805ABD2T-TR	L7812ACV	L7812CD2T-TR
L7805CV	L7805ABV-DG	L7805CV-DG
L7805ACV-DG	L7805CD2T-TR	L7815ABV
L7805ACD2T-TR	L7815ACV-DG	L7812ACV-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.