


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	AMS/20/12004	
1.3 Title of PCN	Power Management BU: Introduction of the HBIP40 technology for the LM317Lxx & LM217Lxx series (100mA) assembled in TO92 and SO-8 packages	
1.4 Product Category	See product list	
1.5 Issue date	2020-04-28	

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 – Pad modification (sizes, vertical structure, metal thickness)	Front end location : ST Ang Mo Kio (Singapore)

4. Description of change

	Old	New
4.1 Description	LAAT Technology	HBIP40 Technology
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No changes of the Electrical Characteristics and Quality.	

5. Reason / motivation for change

5.1 Motivation	Following Divisional commitment towards a continuous improvement philosophy, a more fine geometry Bipolar technology has been qualified in ST called HBip40. As already done for the L78xx and L79xx series, ST is going to use this improved technology to redesign the LM317Lxx/LM217Lxx Linear Voltage Regulator series also. The HBM value has been updated according to the ST Specification on "Reliability Tests and Criteria for Qualifications". Electrical characteristics remain unchanged. Quality and Reliability parameters are still guaranteed at the same level as in the past.
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	The traceability of the new parts will be ensured by different internal codification and QA number
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7. Timing / schedule

7.1 Date of qualification results	2020-02-13
7.2 Intended start of delivery	2020-07-20
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	12004 W486-W901 19- Report Customer LM317L in TO92 and SO8 (HBIP40).pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2020-04-28

9. Attachments (additional documentations)

12004 Public product.pdf
12004 W486-W901 19- Report Customer LM317L in TO92 and SO8 (HBIP40).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
	LM317LD13TR	

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Public Products List

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PCN Title : Power Management BU: Introduction of the HBIP40 technology for the LM317Lxx & LM217Lxx series (100mA) assembled in TO92 and SO-8 packages

PCN Reference : AMS/20/12004

Subject : Public Products List

Dear Customer,

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

LM317LZ	LM317LD13TR	LM317LZ-AP
LM217LD13TR	LM217LZ-TR	LM317LZ-TR



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