


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	IPD/15/9234	
1.3 Title of PCN	Linear Voltage Regulator and Reference BU: New Enhanced TO220 Single Gauge Frame	
1.4 Product Category	Linear Voltage Regulator	
1.5 Issue date	2015-05-11	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	SETTLES JEFF
2.1.2 Phone	+44 1628896222
2.1.3 Email	jeff.settles@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Lorenzo NASO
2.1.2 Marketing Manager	Antonio RIVIERA
2.1.3 Quality Manager	Paolo MORETTI

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Materials	New direct material part number (same supplier, different supplier or new supplier), lead frame, resin, wire, ...)	Shenzhen

4. Description of change

	Old	New
4.1 Description	TO220 Single Gauge Frame vers.2	Following Divisional Commitments towards a continuous improvement philosophy an enhanced frame has been introduced for the TO220 Single Gauge Frame package vers. 3. Some mechanical parameters related to the frame have been changed compared to the version currently in production. The changes are related to the back Holes of the frame, Grooves and Downset characteristics (see attached slide for better understanding). This PCN is an extension of IPG/14/9008 for products reported in products list
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	no impact	

5. Reason / motivation for change

5.1 Motivation	To optimize the overall package robustness and in particular to improve the crimping resin / frame
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Adding "3" at the end of first row marking.. See attached examples This special marking will be valid for 6months only during the transition time. Once the production will be 100% switched to the new frame version (ver3) the marking will come back to the STD one.
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7. Timing / schedule

7.1 Date of qualification results	2015-05-07
7.2 Intended start of delivery	2015-08-07
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	REL 6088-088-W-15_TO220 SG T.V L7805_LM317.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2015-05-11

9. Attachments (additional documentations)

9234PpPrdtLst.pdf
REL 6088-088-W-15_TO220 SG T.V L7805_LM317.pdf
TO220 Single Gauge v3 info.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
LM317T	LM317T	

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