

**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	IPG/14/9008	
<b>1.3 Title of PCN</b>	Linear Voltage Regulator and Reference BU: New Enhanced TO220 Single Gauge Frame	
<b>1.4 Product Category</b>	Linear Voltage Regulator	
<b>1.5 Issue date</b>	2014-12-11	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	ROBERTSON HEATHER
<b>2.1.2 Phone</b>	+1 8475853058
<b>2.1.3 Email</b>	heather.robertson@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Lorenzo NASO
<b>2.1.2 Marketing Manager</b>	Antonio RIVIERA
<b>2.1.3 Quality Manager</b>	Paolo MORETTI

**3. Change**

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

**4. Description of change**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	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).
<b>4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?</b>	no impact	

**5. Reason / motivation for change**

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

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

<b>6.1 Description</b>	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**

<b>7.1 Date of qualification results</b>	2014-11-20
<b>7.2 Intended start of delivery</b>	2015-03-12
<b>7.3 Qualification sample available?</b>	Upon Request

**8. Qualification / Validation**

<b>8.1 Description</b>	REL 6088-306-W-14_TO220 SG.pdf		
<b>8.2 Qualification report and qualification results</b>	Available (see attachment)	<b>Issue Date</b>	2014-12-11

**9. Attachments (additional documentations)**

9008PpPrdtLst.pdf  
 REL 6088-306-W-14\_TO220 SG.pdf  
 TO220 Single Gauge ver3.pdf

**10. Affected parts**

<b>10. 1 Current</b>		<b>10.2 New (if applicable)</b>
<b>10.1.1 Customer Part No</b>	<b>10.1.2 Supplier Part No</b>	<b>10.1.2 Supplier Part No</b>
497-2947-5-ND	L7805ABV	
L7805ABV	L7805ABV	
497-1441-5-ND	L7805ACV	
L7805ACV	L7805ACV	
497-1443-5-ND	L7805CV	
L7805CV	L7805CV	
497-1445-5-ND	L7806CV	
L7806CV	L7806CV	
L7808ABV	L7808ABV	
L7808ACV	L7808ACV	
497-2949-5-ND	L7808CV	
L7808CV	L7808CV	
497-1448-5-ND	L7809CV	
L7809CV	L7809CV	
L7812ABV	L7812ABV	
497-1450-5-ND	L7812ACV	
L7812ACV	L7812ACV	
497-1452-5-ND	L7812CV	
L7812CV	L7812CV	
L7815ABV	L7815ABV	
L7815ACV	L7815ACV	
L7824ACV	L7824ACV	
L7824CV	L7824CV	
	L78M05ABV	
497-2957-5-ND	L78M05CV	
L78M05CV	L78M05CV	
L78M15ABV	L78M15ABV	
L78M24CV	L78M24CV	
497-1468-5-ND	L78S05CV	
L78S05CV	L78S05CV	
L78S09CV	L78S09CV	
L78S10CV	L78S10CV	
L78S15CV	L78S15CV	
L78S18CV	L78S18CV	
L78S24CV	L78S24CV	
L78S75CV	L78S75CV	
L7905CV	L7905CV	
LD1117AV33	LD1117AV33	
LD1117V	LD1117V	

LD1117V18	LD1117V18	
497-1491-5-ND	LD1117V33	
LD1117V33	LD1117V33	
497-1492-5-ND	LD1117V33C	
LD1117V33C	LD1117V33C	
LF33ABV	LF33ABV	
LF33CV	LF33CV	
LF50ABV	LF50ABV	
LF60ABV	LF60ABV	

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