

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	AMG/16/9855	
1.3 Title of PCN	Linear Voltage Regulators - Back Metal Conversion from Cr/Ni/Au to Cr/Ni/Ag for Bipolar Technology in Ang Mo Kio (Singapore) FE plant	
1.4 Product Category	See product list	
1.5 Issue date	2016-07-27	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	MARSHALL DAVE
2.1.2 Phone	
2.1.3 Email	dave.marshall@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Vito RUGGIRELLO
2.1.2 Marketing Manager	Salvatore DI VINCENZO
2.1.3 Quality Manager	Jean-Marc BUGNARD

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Wafer Fab (Process)	Backside finish modification except for wafer for sale: change in deposition material type/nature or final thickness	Front End plant : ST Ang Mo Kio (Singapore)

4. Description of change

	Old	New
4.1 Description	Cr/Ni/Au 700Å/5000Å /525Å	Cr/Ni/Ag 700Å/5000Å /1500Å
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	Progressing on the activities related to the manufacturign rationalization, ST is glad to announce the Back Metal Conversion from Cr/Ni/Au to the most common in the market Cr/Ni/Ag in the bipolar technologies. The new process is widely used in our FE AMK plant for other product families (Power MOSFET) for years.
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Traceability code and Q.A. number.
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7. Timing / schedule

7.1 Date of qualification results	2016-06-24
7.2 Intended start of delivery	2016-10-22
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	9855_Qual report.zip		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2016-07-27

9. Attachments (additional documentations)

9855PpPrdtLst.pdf
9855_Qual report.zip

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
9755373	KF50BD-TR	
9756078	L7805CV	
	L7806ACV	
9756094	L7806CV	
	L7824ACV	
L78M12CV	L78M12CV	
	LD1117AS33TR	
	LD1117DT18TR	
	LD1117DT33TR	
1467781	LD1117S50TR	
9755837	LD1117V33	
	LF33ABDT-TR	
1094240	LF50CV	
1564300	LM317D2T-TR	
1467774	LD1086DT33TR	

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