


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	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	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
KF33BD-TR	KF33BD-TR	
497-1148-2-ND	KF33BDT-TR	
KF33BDT-TR	KF33BDT-TR	
KF50BD-TR	KF50BD-TR	
497-1149-2-ND	KF50BDT-TR	
KF50BDT-TR	KF50BDT-TR	
497-1156-2-ND	L4931ABD50-TR	
L4931ABD50-TR	L4931ABD50-TR	
497-1160-2-ND	L4931ABDT50-TR	
L4931ABDT50-TR	L4931ABDT50-TR	
L4931CD50-TR	L4931CD50-TR	
497-4204-2-ND	L4931CDT50-TR	
L4931CDT50-TR	L4931CDT50-TR	
L4931CZ50-AP	L4931CZ50-AP	
	L4940D2T5-TR	
497-1404-5-ND	L4940V5	
L4940V5	L4940V5	
497-1168-2-ND	L4941BDT-TR	
L4941BDT-TR	L4941BDT-TR	
L4941BV	L4941BV	
497-1170-2-ND	L7805ABD2T-TR	
L7805ABD2T-TR	L7805ABD2T-TR	
497-4226-5-ND	L7805ABP	
L7805ABP	L7805ABP	
497-2947-5-ND	L7805ABV	
L7805ABV	L7805ABV	
	L7805ABV-DG	
497-1441-5-ND	L7805ACV	
L7805ACV	L7805ACV	
	L7805ACV-DG	
497-1171-2-ND	L7805CD2T-TR	
L7805CD2T-TR	L7805CD2T-TR	
L7805CDT-TR	L7805CDT-TR	
497-1443-5-ND	L7805CV	
L7805CV	L7805CV	
	L7805CV-DG	
	L7806ACV-DG	
L7806CD2T-TR	L7806CD2T-TR	
	L7806CV-DG	
L7812ABD2T-TR	L7812ABD2T-TR	
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	
L7815ACD2T-TR	L7815ACD2T-TR	
L7815CD2T-TR	L7815CD2T-TR	
	L7824ABV-DG	
	L7824ACV-DG	
L7824CD2T-TR	L7824CD2T-TR	
L7824CP	L7824CP	
L7824CV	L7824CV	
	L7824CV-DG	
497-1201-2-ND	L78M05ABDT-TR	
L78M05ABDT-TR	L78M05ABDT-TR	
	L78M05ABV-DG	
497-1202-2-ND	L78M05ACDT-TR	
L78M05ACDT-TR	L78M05ACDT-TR	
L78M05CDT-1	L78M05CDT-1	
497-1203-2-ND	L78M05CDT-TR	
L78M05CDT-TR	L78M05CDT-TR	
	L78M05CV-DG	
L78M09ABDT-TR	L78M09ABDT-TR	
497-1208-2-ND	L78M09CDT-TR	
L78M09CDT-TR	L78M09CDT-TR	
497-1209-2-ND	L78M12ABDT-TR	
L78M12ABDT-TR	L78M12ABDT-TR	
497-1210-2-ND	L78M12ACDT-TR	
L78M12ACDT-TR	L78M12ACDT-TR	
497-1211-2-ND	L78M12CDT-TR	
L78M12CDT-TR	L78M12CDT-TR	
L78M15ABDT-TR	L78M15ABDT-TR	
L78M15CDT-TR	L78M15CDT-TR	
497-2958-5-ND	L78M15CV	
L78M15CV	L78M15CV	
L7905ACD2T-TR	L7905ACD2T-TR	
497-1471-5-ND	L7905ACV	
L7905ACV	L7905ACV	
	L7905CV-DG	
	L7912ACV-DG	
497-1215-2-ND	L7912CD2T-TR	
L7912CD2T-TR	L7912CD2T-TR	
L7915CP	L7915CP	
	L7915CV-DG	
	LD1086BDTTR	
	LD1086BV-DG	
LD1086D2M33TR	LD1086D2M33TR	
LD1086D2MTR	LD1086D2MTR	
497-1224-2-ND	LD1086D2T33TR	
LD1086D2T33TR	LD1086D2T33TR	

497-3566-2-ND	LD1086D2TTR	
LD1086D2TTR	LD1086D2TTR	
LD1086DT33TR	LD1086DT33TR	
LD1086DTTR	LD1086DTTR	
497-1228-2-ND	LD1117AS33TR	
LD1117AS33TR	LD1117AS33TR	
LD1117AV33	LD1117AV33	
497-1230-2-ND	LD1117D33CTR	
LD1117D33CTR	LD1117D33CTR	
LD1117D33TR	LD1117D33TR	
497-1231-2-ND	LD1117DT12TR	
LD1117DT12TR	LD1117DT12TR	
497-1232-2-ND	LD1117DT18TR	
LD1117DT18TR	LD1117DT18TR	
497-1235-2-ND	LD1117DT33CTR	
LD1117DT33CTR	LD1117DT33CTR	
497-1236-2-ND	LD1117DT33TR	
LD1117DT33TR	LD1117DT33TR	
497-1237-2-ND	LD1117DT50CTR	
LD1117DT50CTR	LD1117DT50CTR	
497-1238-2-ND	LD1117DT50TR	
LD1117DT50TR	LD1117DT50TR	
LD1117DTC-R	LD1117DTC-R	
497-1239-2-ND	LD1117DTTR	
LD1117DTTR	LD1117DTTR	
	LD1117S12CTR	
497-4240-2-ND	LD1117S12TR	
LD1117S12TR	LD1117S12TR	
	LD1117S18CTR	
LD1117S18TR	LD1117S18TR	
497-1241-2-ND	LD1117S33CTR	
LD1117S33CTR	LD1117S33CTR	
497-1242-2-ND	LD1117S33TR	
LD1117S33TR	LD1117S33TR	
497-1243-2-ND	LD1117S50CTR	
LD1117S50CTR	LD1117S50CTR	
LD1117S50TR	LD1117S50TR	
497-4241-2-ND	LD1117SC-R	
LD1117SC-R	LD1117SC-R	
497-1244-2-ND	LD1117STR	
LD1117STR	LD1117STR	
	LD1117V-DG	
LD1117V18	LD1117V18	
497-1491-5-ND	LD1117V33	
LD1117V33	LD1117V33	
497-1492-5-ND	LD1117V33C	
LD1117V33C	LD1117V33C	
	LD1117V33C-DG	
LD1117V50	LD1117V50	
LF33ABDT-TR	LF33ABDT-TR	
LF33ABV	LF33ABV	

LF33CDT-TR	LF33CDT-TR	
LF33CPT-TR	LF33CPT-TR	
LF33CV	LF33CV	
LF50ABDT-TR	LF50ABDT-TR	
LF50ABP	LF50ABP	
LF50ABPT-TR	LF50ABPT-TR	
	LF50ABV-DG	
497-1534-2-ND	LF50CDT-TR	
LF50CDT-TR	LF50CDT-TR	
LF50CPT-TR	LF50CPT-TR	
LF50CV	LF50CV	
	LF50CV-DG	
LM217D2T-TR	LM217D2T-TR	
LM217MDT-TR	LM217MDT-TR	
497-1571-2-ND	LM317D2T-TR	
LM317D2T-TR	LM317D2T-TR	
497-1574-2-ND	LM317MDT-TR	
LM317MDT-TR	LM317MDT-TR	
LM317P	LM317P	
497-1575-5-ND	LM317T	
LM317T	LM317T	
	LM317T-DG	
	ULN2003A	
	ULN2003D1013TR	
	ULN2004A	
	ULN2004D1013TR	
	ULN2803A	
	ULQ2003D1013TR	
	ULQ2803A	

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Public Products List

PCN Title : Linear Voltage Regulators - Back Metal Conversion from Cr/Ni/Au to Cr/Ni/Ag for Bipolar Technology in Ang Mo Kio (Singapore) FE plant

PCN Reference : AMG/16/9855

PCN Created on : 21-Jun-2016

Subject : Public Products List

Dear Customer,

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

LD1117ADT33TR	L78M05CV-DG	LD1117S50TR
LD1117V	L7805CP	L7915CV
LD1117S12TR	ULQ2003A	LF50ABDT-TR
L7905ACV	L7805ABD2T-TR	LD1117S12CTR
L7815ABV-DG	ULN2004D1013TR	L7905CP
L7824ABV-DG	L7812ACV	LD1086BV-DG
LD1117V50	L7912ACV	LD1117V33-DG
LD1117STR	LD1117S33CTR	L7912CP
L7815CP	LF50ABV	L4941BDT-TR
L7824CP	KF33BD-TR	LD1117DT12TR
L7805ABV-DG	LD1117S18TR	L7915ACV
L7905CV	L7912CV	L78M12CV-DG
L78M05CDT-TR	L78M15ABDT-TR	L7806CV
LD1117DT50TR	LD1117SC-R	LD1086D2T33TR
L78M09ABDT-TR	L4931CD50-TR	LD1117D33TR
L7915CV-DG	LM317MDT-TR	L7805ABP
LM317T	L7805ACV	ULN2003D1013TR
LD1086DTTR	L7815ABD2T-TR	LD1117DT33TR
L7812CV	L78M15CDT-TR	LM217T
L78M09CDT-TR	LF50ABP	LF50ABV-DG
L78M05ACDT-TR	L7806ABV	LD1086DT33TR
LD1117DT33CTR	L7806CV-DG	L78M05CDT-1
L7806ACV-DG	L7812ABD2T-TR	LF50CV
L7815ACD2T-TR	L7915ACV-DG	LF50ABPT-TR
L7905ACV-DG	L7824CD2T-TR	ULN2803A
L7812CV-DG	L78M12ACDT-TR	LF33CPT-TR
L7805CV	L78M05CV	ULQ2803A
L7818CV	L7815CV	L7905CD2T-TR
LD1117S50CTR	LD1117S33TR	LF50CPT-TR
L7805CD2T-TR	ULQ2003D1013TR	LM217D2T-TR
LD1117V50C	L78M05ABDT-TR	LD1117DT18TR
L7815CV-DG	LM217MDT-TR	L7805ACD2T-TR
ULQ2004A	LD1117DTTR	LD1117V18
LM317D2T-TR	L78M15CV-DG	L7824CV-DG
L7805ACP	KF33BDT-TR	LF33ABV
L7912ACV-DG	L4940D2T5-TR	LD1117D33CTR



Public Products List

LF50CDT-TR	L7815CD2T-TR	L7912CV-DG
ULN2004A	L7824CV	L7805ACV-DG
L4931CDT50-TR	L7805CV-DG	L4931ABDT50-TR
L7812ABV	L7812CD2T-TR	KF50BDT-TR
LD1117V33	L7824ABV	ULQ2004D1013TR
LD1117S18CTR	L7805ABV	LD1117DT18CTR
LD1117DTC-R	L78M15ABV	L78M09CV
L78M15CV	LF50ABV-E	L7915CP
LF50CV-DG	L7818CV-DG	L78M12CDT-TR
LD1117V-DG	L4931ABD50-TR	ULN2003A
L78M09CV-DG	L7815ACV-DG	L7905ACD2T-TR
LD1117AS33TR	LD1117V33C	LF33ABV-DG
LD1086BDTTR	L78M15ABV-DG	L7805CDT-TR
L7824ACV	L4940V5	L78M05ABV-DG
LD1117DT12CTR	L4931CZ50-AP	LD1117DT50CTR
L4941BV	L7812ACD2T-TR	LD1086D2MTR
LD1117AV33	L78M05ABV	LD1086V33-DG
L7812ACV-DG	LF33ABDT-TR	LF33CV-DG
LD1086V-DG	L78M12CV	LD1086D2TTR
LD1117V33C-DG	L7806ABV-DG	LF33CV
L7912CD2T-TR	KF50BD-TR	L78M12ABDT-TR
L7806ACV	L7824ACV-DG	L7806CD2T-TR
LD1086D2M33TR	L78M05CP	LD1117V50-DG
LM317P	L7905CV-DG	LF33CDT-TR
L4931CPT50-TR		



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