

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCN No.	POWER AND DISCRETE PRODUCTS/24/14699
1.3 Title of PCN	Die manufacturing process homogenization in ST Tours (France) for TVS (Transient Voltage Suppressor) devices
1.4 Product Category	SM15Txxx SM6Txxx SMA6Jxxx SMAJxxx SMBJxxx SMCxJxxx SMCJxxx
1.5 Issue date	2024-04-15

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	Stephane CHAMARD
2.1.2 Marketing Manager	Philippe LEGER
2.1.3 Quality Manager	Jean-Paul REBRASSE

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Wafer Fab (Process)	Change of top layer on die	ST Microelectronics Tours - France

4. Description of change

	Old	New
4.1 Description	Metallization AlNiAu	Metallization AlTiNiAu Secondary passivation (organic)
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No	

5. Reason / motivation for change

5.1 Motivation	In the frame of global production homogenization and continuous improvement, the latest metallization and passivation manufacturing processes developed on new products released will be applied to the whole TVS (Transient Voltage Suppressors) range.
5.2 Customer Benefit	SERVICE CONTINUITY

6. Marking of parts / traceability of change

6.1 Description	New Finished Good/Type (ending by /NR or /HR) print on carton labels
-----------------	--

7. Timing / schedule

7.1 Date of qualification results	2024-04-12
7.2 Intended start of delivery	2024-07-19
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	14699 24013QRP.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2024-04-15

9. Attachments (additional documentations)
14699 Public product.pdf 14699 PCN TVS FE Homogenization.pdf 14699 24013QRP.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
LNBTVS4-222S	LNBTVS4-222S	
	LNBTVS4-304S	
	LNBTVS6-304S	
	SM15T100A	
	SM15T100CA	
	SM15T10CA	
497-3715-2-ND	SM15T12A	
	SM15T12CA	
	SM15T150CA	
	SM15T15A	
	SM15T15CA	
	SM15T18A	
	SM15T18CA	
	SM15T200A	
	SM15T200CA	
	SM15T220A	
	SM15T220CA	
	SM15T22A	
	SM15T22CA	
	SM15T24A	
	SM15T24CA	
	SM15T27A	
	SM15T30A	
	SM15T30CA	
	SM15T33A	
	SM15T33CA	
	SM15T36A	
	SM15T36CA	
497-3716-2-ND	SM15T39A	
	SM15T39CA	
	SM15T68A	
	SM15T68CA	
	SM15T6V8A	
	SM15T6V8CA	
	SM15T7V5A	
	SM5908	
	SM6T100A	
	SM6T100CA	
	SM6T10A	
	SM6T10CA	
	SM6T12A	
	SM6T12CA	
	SM6T150A	
	SM6T150CA	

	SM6T15A	
497-2994-2-ND	SM6T15CA	
	SM6T18A	
497-3717-2-ND	SM6T18CA	
	SM6T200A	
	SM6T200CA	
	SM6T220A	
	SM6T220CA	
	SM6T22A	
497-3507-2-ND	SM6T22CA	
	SM6T24A	
	SM6T24CA	
	SM6T27A	
	SM6T27CA	
	SM6T30A	
	SM6T30CA	
	SM6T33A	
	SM6T33CA	
	SM6T36A	
	SM6T36CA	
	SM6T39A	
	SM6T39CA	
	SM6T56CA	
	SM6T68A	
	SM6T68CA	
	SM6T6V8A	
497-2995-2-ND	SM6T6V8CA	
	SM6T7V5A	
	SM6T7V5CA	
	SMA6J10A-TR	
	SMA6J10CA-TR	
	SMA6J12A-TR	
	SMA6J12CA-TR	
	SMA6J13A-TR	
	SMA6J13CA-TR	
	SMA6J15A-TR	
	SMA6J15CA-TR	
	SMA6J18A-TR	
	SMA6J18CA-TR	
	SMA6J20A-TR	
	SMA6J20CA-TR	
	SMA6J24A-TR	
	SMA6J24CA-TR	
	SMA6J26A-TR	
	SMA6J26CA-TR	
	SMA6J28A-TR	
	SMA6J28CA-TR	
	SMA6J33A-TR	
	SMA6J33CA-TR	
	SMA6J40A-TR	
	SMA6J40CA-TR	

	SMA6J48A-TR	
	SMA6J48CA-TR	
	SMA6J5.0A-TR	
	SMA6J5.0CA-TR	
	SMA6J58A-TR	
	SMA6J58CA-TR	
	SMA6J6.0A-TR	
	SMA6J6.0CA-TR	
	SMA6J6.5A-TR	
	SMA6J6.5CA-TR	
	SMA6J70A-TR	
	SMA6J70CA-TR	
	SMA6J8.5A-TR	
	SMA6J8.5CA-TR	
	SMA6J85A-TR	
	SMA6J85CA-TR	
	SMAJ10CA-TR	
	SMAJ12A-TR	
497-2996-2-ND	SMAJ12CA-TR	
	SMAJ130CA-TR	
	SMAJ13A-TR	
	SMAJ13CA-TR	
	SMAJ154A-TR	
	SMAJ15A-TR	
497-2997-2-ND	SMAJ15CA-TR	
	SMAJ170A-TR	
	SMAJ170CA-TR	
	SMAJ188A-TR	
	SMAJ188CA-TR	
	SMAJ18A-TR	
	SMAJ18CA-TR	
	SMAJ20A-TR	
	SMAJ24A-TR	
	SMAJ24CA-TR	
	SMAJ26A-TR	
	SMAJ26CA-TR	
	SMAJ28A-TR	
497-4620-2-ND	SMAJ28CA-TR	
	SMAJ30A-TR	
	SMAJ30CA-TR	
	SMAJ33A-TR	
497-2998-2-ND	SMAJ33CA-TR	
	SMAJ40A-TR	
497-3718-2-ND	SMAJ40CA-TR	
497-4290-2-ND	SMAJ43A-TR	
	SMAJ43CA-TR	
	SMAJ48A-TR	
	SMAJ48CA-TR	
	SMAJ5.0A-TR	
	SMAJ5.0CA-TR	
497-3508-2-ND	SMAJ58A-TR	

	SMAJ58CA-TR	
	SMAJ6.0A-TR	
	SMAJ6.0CA-TR	
	SMAJ6.5A-TR	
	SMAJ6.5CA-TR	
	SMAJ70A-TR	
497-4291-2-ND	SMAJ70CA-TR	
	SMAJ8.5CA-TR	
	SMAJ85CA-TR	
	SMBJ100CA-TR	
	SMBJ10A-TR	
497-3000-2-ND	SMBJ10CA-TR	
497-3001-2-ND	SMBJ12A-TR	
497-3002-2-ND	SMBJ12CA-TR	
	SMBJ130A-TR	
	SMBJ13A-TR	
	SMBJ13CA-TR	
497-4292-2-ND	SMBJ154A-TR	
497-3003-2-ND	SMBJ15A-TR	
497-3004-2-ND	SMBJ15CA-TR	
497-4293-2-ND	SMBJ16A-TR	
	SMBJ170A-TR	
	SMBJ170CA-TR	
497-3139-2-ND	SMBJ18A-TR	
	SMBJ18CA-TR	
	SMBJ20A-TR	
	SMBJ20CA-TR	
	SMBJ22A-TR	
	SMBJ22CA-TR	
497-3140-2-ND	SMBJ24A-TR	
497-3141-2-ND	SMBJ24CA-TR	
	SMBJ26A-TR	
	SMBJ26CA-TR	
	SMBJ28A-TR	
	SMBJ28CA-TR	
	SMBJ30A-TR	
497-3142-2-ND	SMBJ30CA-TR	
	SMBJ33A-TR	
497-3005-2-ND	SMBJ33CA-TR	
	SMBJ36CA-TR	
	SMBJ40A-TR	
	SMBJ40CA-TR	
	SMBJ48A-TR	
	SMBJ48CA-TR	
497-3144-2-ND	SMBJ5.0A-TR	
497-3145-2-ND	SMBJ5.0CA-TR	
	SMBJ58A-TR	
497-3143-2-ND	SMBJ58CA-TR	
497-3006-2-ND	SMBJ6.0A-TR	
	SMBJ6.0CA-TR	
497-3007-2-ND	SMBJ6.5A-TR	

497-3146-2-ND	SMBJ6.5CA-TR	
497-4294-2-ND	SMBJ70A-TR	
497-3770-2-ND	SMBJ70CA-TR	
	SMBJ8.5CA-TR	
	SMBJ85CA-TR	
	SMC30J100CA	
	SMC30J10A	
	SMC30J10CA	
	SMC30J12A	
	SMC30J12CA	
	SMC30J13A	
	SMC30J13CA	
	SMC30J15CA	
	SMC30J16A	
	SMC30J170A	
	SMC30J188A	
	SMC30J188CA	
	SMC30J18A	
	SMC30J18CA	
	SMC30J20A	
	SMC30J22A	
	SMC30J24A	
	SMC30J24CA	
	SMC30J26A	
	SMC30J26CA	
	SMC30J28A	
	SMC30J28CA	
	SMC30J30A	
	SMC30J30CA	
	SMC30J33A	
	SMC30J33CA	
	SMC30J36A	
	SMC30J36CA	
	SMC30J40A	
	SMC30J40CA	
	SMC30J48A	
	SMC30J48CA	
	SMC30J5.0A	
	SMC30J5.0CA	
	SMC30J58A	
	SMC30J58CA	
	SMC30J6.0A	
	SMC30J6.5A	
	SMC30J64A	
	SMC30J64CA	
	SMC30J70A	
	SMC30J70CA	
	SMC30J8.5CA	
	SMC50J100A	
	SMC50J12CA	
	SMC50J20CA	

	SMC50J24A	
	SMC50J24CA	
	SMC50J28CA	
	SMC50J30A	
	SMC50J30CA	
	SMC50J33CA	
	SMC50J36A	
	SMC50J36CA	
	SMC50J40CA	
	SMC50J48A	
	SMC50J5.0A	
	SMC50J58A	
	SMC50J58CA	
	SMC50J6.5A	
	SMC50J64CA	
	SMC50J70A	
	SMC50J85A	
	SMCJ12A-TR	
	SMCJ130CA-TR	
	SMCJ13CA-TR	
	SMCJ15A-TR	
	SMCJ15CA-TR	
	SMCJ170A-TR	
	SMCJ188A-TR	
	SMCJ188CA-TR	
497-4295-2-ND	SMCJ18CA-TR	
	SMCJ20A-TR	
	SMCJ22A-TR	
	SMCJ24CA-TR	
	SMCJ26A-TR	
	SMCJ28A-TR	
	SMCJ30A-TR	
	SMCJ30CA-TR	
	SMCJ33A-TR	
	SMCJ33CA-TR	
	SMCJ40A-TR	
	SMCJ40CA-TR	
	SMCJ48CA-TR	
	SMCJ5.0A-TR	
	SMCJ5.0CA-TR	
497-4296-2-ND	SMCJ6.0A-TR	
	SMCJ70CA-TR	
	SMCJ85CA-TR	
	STIEC45-24AS	
	STIEC45-26AS	
	STIEC45-30AS	
	STIEC45-33AS	



Public Products List

Public Products are off the shelf products. They are not dedicated to specific customers, they are available through ST Sales team, or Distributors, and visible on ST.com

PCN Title : Die manufacturing process homogenization in ST Tours (France)

for TVS (Transient Voltage Suppressor) devices

PCN Reference : POWER AND DISCRETE PRODUCTS/24/14699

Subject : Public Products List

Dear Customer,

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

SM15T22A	SMAJ26CA-TR	SMCJ24CA-TR
SMA6J85CA-TR	SMA6J8.5A-TR	SMCJ48CA-TR
SMBJ58A-TR	SMBJ18A-TR	SMBJ30A-TR
SMC50J30CA	SM6T10CA	SMAJ13A-TR
SMAJ28A-TR	SMC30J8.5A	SMC30J10A
SMC50J11A	SMBJ15A-TR	SMA6J13CA-TR
SM6T22CA	SMC30J154CA	SMAJ130CA-TR
SMBJ28CA-TR	SM6T18CA	SMC50J33CA
SMCJ20A-TR	SMC30J20CA	SMBJ70CA-TR
SM15T220CA	SMA6J6.5CA-TR	SMBJ5.0A-TR
SMBJ10CA-TR	SMC30J13A	SMC50J6.0CA
SMBJ22A-TR	SMAJ170A-TR	SMAJ15A-TR
SM15T12CA	SMAJ70CA-TR	SMC30J5.0A
SM6T6V8A	SMAJ30CA-TR	SM6T10A
SMA6J18A-TR	SMBJ10A-TR	SM15T68A
SMC50J70CA	SMCJ26A-TR	SM6T68CA
SMC50J16A	SMC50J26CA	SMC50J14CA
SMBJ26A-TR	SM6T22A	SMC30J70CA
SMA6J70A-TR	SMBJ170CA-TR	SMAJ20A-TR
SMA6J24A-TR	SMBJ24A-TR	SMC30J8.5CA
SMAJ33CA-TR	SMC30J28CA	SMCJ28A-TR
SMBJ6.5CA-TR	SM15T30CA	SMC30J16CA
SM6T68A	SMAJ6.5CA-TR	SMC30J188A
SMBJ12A-TR	SMAJ6.0A-TR	SMAJ24A-TR
SMA6J8.5CA-TR	SM15T200A	SMAJ33A-TR
SM6T200CA	SMAJ12A-TR	SM6T18A
SM6T200A	SMCJ30A-TR	SMA6J20A-TR
SMCJ5.0CA-TR	SMCJ130CA-TR	SMC50J23A
SMBJ13A-TR	SMAJ188CA-TR	SMC30J18A
SMBJ33A-TR	SMC30J58A	SM15T100CA
SMC30J85CA	SM6T56CA	SMC50J5.0A
SMC50J48CA	SMA6J15A-TR	SMC30J170A
SMC30J13CA	SM6T27CA	SMA6J33A-TR
SMA6J12A-TR	SMC30J15A	SM15T39A
SMBJ6.0CA-TR	SMC30J154A	SMC50J30A



Public Products List

SMA6J28A-TR	SMAJ5.0CA-TR	SM6T39CA
SMC50J15CA	SMBJ26CA-TR	SMC50J40CA
SMC50J64CA	SMC30J130A	SMCJ6.0A-TR
SMBJ28A-TR	SMAJ28CA-TR	SMBJ48A-TR
SMCJ170A-TR	SM6T15CA	SMBJ16A-TR
SMC50J8.5A	SMC30J100CA	SM6T7V5CA
SM15T15CA	SM15T36CA	SMA6J6.5A-TR
SMAJ43A-TR	SMCJ188CA-TR	SMC50J70A
SMC30J30CA	SM15T30A	SMA6J70CA-TR
SMAJ58A-TR	SMAJ26A-TR	SM6T39A
SMCJ70CA-TR	SMAJ10CA-TR	SMC30J20A
SM6T15A	SMC50J12CA	SM6T27A
SMA6J48CA-TR	SMC50J36CA	SMBJ170A-TR
SM6T12A	SMC50J28A	SMBJ130A-TR
SMAJ18A-TR	SM6T100CA	SMC50J6.0A
SMA6J10CA-TR	STIEC45-26AS	SM6T24A
SMAJ13CA-TR	SMC50J85CA	SMAJ188A-TR
SMC30J48A	SMC50J14A	SMAJ18CA-TR
SM6T36A	SMC30J170CA	SMC30J36A
SMCJ85CA-TR	SMBJ8.5CA-TR	SMC50J33A
SMBJ22CA-TR	SMC50J26A	SMBJ100CA-TR
SMC30J22A	SMC30J18CA	SMCJ40CA-TR
SMBJ18CA-TR	SMC50J6.5CA	SMC50J31CA
SM6T220A	SMCJ22A-TR	SMBJ58CA-TR
SM15T24CA	SM6T12CA	SMBJ20CA-TR
SMAJ40A-TR	SMC30J188CA	SM6T24CA
SMC30J6.5A	SMA6J40CA-TR	LNBTVS4-304S
SM15T33CA	SMA6J26CA-TR	SM6T36CA
SMC30J5.0CA	SMC50J24CA	SMBJ13CA-TR
SMC50J64A	SMBJ85CA-TR	SMC50J13CA
SMAJ15CA-TR	SM6T33A	SMCJ15A-TR
SMA6J6.0A-TR	SMBJ12CA-TR	SMAJ6.0CA-TR
SMA6J13A-TR	SMC50J40A	SM15T150CA
SMC50J100A	SMCJ5.0A-TR	STIEC45-24AS
SMA6J15CA-TR	SM15T200CA	SMBJ36CA-TR
SMBJ5.0CA-TR	SMAJ58CA-TR	SM6T7V5A
SMAJ170CA-TR	SM15T36A	SMBJ24CA-TR
SM15T15A	SM6T30CA	SMC30J40CA
SMC30J33A	SM15T6V8A	SMBJ48CA-TR
SM6T33CA	SMC50J12A	SMAJ6.5A-TR
SMCJ40A-TR	SMAJ70A-TR	SMAJ43CA-TR
SMC50J36A	SMBJ30CA-TR	SM15T24A
SM6T220CA	SMA6J85A-TR	SM6T30A
SMCJ12A-TR	SMC50J22CA	SMBJ15CA-TR
SMA6J20CA-TR	SMAJ154A-TR	SMC50J15A
SM15T39CA	SMC30J30A	SM5908
SMC30J6.0A	SMC30J70A	STIEC45-33AS
SMC30J48CA	SMC30J100A	SMC30J36CA
SM6T150A	SMAJ24CA-TR	SMC30J130CA
SMAJ30A-TR	SMC50J18A	SMC50J100CA



Public Products List

SMC50J28CA	SMC30J64A	SMC50J31A
SMC30J24A	SMAJ48CA-TR	SMC30J12A
SMC30J26A	SM15T220A	SMCJ13CA-TR
SMBJ64CA-TR	SMC30J85A	SMC50J20CA
SMC50J58A	SMC50J10A	SMA6J58A-TR
SMBJ40CA-TR	SMC30J64CA	SMBJ6.0A-TR
SMC50J24A	SMA6J18CA-TR	SMAJ85CA-TR
SMAJ12CA-TR	SMC30J22CA	SMC30J15CA
SMC30J6.0CA	SMC30J58CA	SMBJ33CA-TR
SM15T18CA	SM15T12A	SM15T68CA
SMAJ40CA-TR	SMC50J85A	SMA6J5.0CA-TR
SMBJ20A-TR	SMC30J40A	SM15T18A
SMA6J6.0CA-TR	SMC50J11CA	SMC50J23CA
SMCJ33A-TR	SMC30J33CA	SMA6J40A-TR
SM15T22CA	SMA6J58CA-TR	SMCJ18CA-TR
SMA6J26A-TR	SMCJ30CA-TR	SMC50J22A
SMBJ154A-TR	SM15T7V5A	SMA6J10A-TR
SMC30J6.5CA	SM6T100A	SMC50J6.5A
SMC30J10CA	SM15T27A	SMA6J12CA-TR
SMBJ70A-TR	SMC50J5.0CA	SMCJ188A-TR
SM15T6V8CA	SM15T33A	SMBJ6.5A-TR
LNBTVS6-304S	SMA6J5.0A-TR	SMAJ8.5CA-TR
SMC30J16A	SMC30J12CA	SMC30J24CA
STIEC45-30AS	SM6T150CA	SMA6J28CA-TR
SM15T10CA	SMC30J28A	SMC30J26CA
SMCJ15CA-TR	SMCJ33CA-TR	SMC50J16CA
SMC50J48A	SMC50J8.5CA	SMC50J18CA
SMAJ5.0A-TR	SMAJ48A-TR	SMA6J24CA-TR
SM15T100A	SMA6J48A-TR	LNBTVS4-222S
SMBJ64A-TR	SMA6J33CA-TR	SMC50J58CA
SM6T6V8CA	SMC50J13A	SMBJ40A-TR
SMC50J20A		

IMPORTANT NOTICE – PLEASE READ CAREFULLY

Subject to any contractual arrangement in force with you or to any industry standard implemented by us, STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST's terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers' products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.