


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	POWER AND DISCRETE PRODUCTS/24/14540	
1.3 Title of PCN	Die manufacturing process homogenization in ST Tours (France) for Automotive TVS (Transient Voltage Suppressor) devices	
1.4 Product Category	SM4TxxxY SMA6TxxxY SM6TxxxY SM15TxxxY SM30TxxxY SM50TxxxY	
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 range.
5.2 Customer Benefit	SERVICE CONTINUITY

6. Marking of parts / traceability of change

6.1 Description	New Finished Good/Type (ending by /NR) print on carton labels
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7. Timing / schedule

7.1 Date of qualification results	2024-04-05
7.2 Intended start of delivery	2024-10-18
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	14540 24003QRP.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2024-04-15

9. Attachments (additional documentations)
14540 Public product.pdf 14540 PCN Automotive TVS FE Homogenization.pdf 14540 24003QRP.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
	SM15T10AY	
	SM15T10CAY	
	SM15T12AY	
	SM15T12CAY	
	SM15T15AY	
	SM15T15CAY	
	SM15T18AY	
	SM15T18CAY	
	SM15T22AY	
	SM15T22CAY	
	SM15T24AY	
	SM15T24CAY	
	SM15T27AY	
	SM15T27CAY	
	SM15T30AY	
	SM15T30CAY	
	SM15T33AY	
	SM15T33CAY	
	SM15T36AY	
	SM15T36CAY	
	SM15T39AY	
	SM15T39CAY	
	SM15T47AY	
	SM15T56AY	
	SM15T56CAY	
	SM15T68AY	
	SM15T68CAY	
	SM15T6V8CAY	
	SM15T75AY	
	SM15T75CAY	
	SM15T7V5CAY	
	SM15T82AY	
	SM15T82CAY	
	SM30T100CAY	
	SM30T10AY	
	SM30T10CAY	
	SM30T12AY	
	SM30T12CAY	
	SM30T152AY	
	SM30T15AY	
	SM30T15CAY	
	SM30T18AY	
	SM30T18CAY	
	SM30T19CAY	

	SM30T200AY	
	SM30T21AY	
	SM30T21CAY	
	SM30T220CAY	
	SM30T23CAY	
	SM30T26AY	
	SM30T26CAY	
	SM30T28AY	
	SM30T28CAY	
	SM30T30AY	
	SM30T30CAY	
	SM30T33AY	
	SM30T33CAY	
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	SM30T39CAY	
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	SM30T47CAY	
	SM30T56AY	
	SM30T56CAY	
	SM30T6.8AY	
	SM30T6.8CAY	
	SM30T68CAY	
	SM30T7.5AY	
	SM30T7.5CAY	
	SM30T82CAY	
	SM4T10AY	
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	SM4T15CAY	
	SM4T18AY	
	SM4T18CAY	
	SM4T21AY	
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	SM4T23AY	
	SM4T23CAY	
	SM4T26AY	
	SM4T26CAY	
	SM4T28AY	
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	SM4T30CAY	
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	SM4T68AY	
	SM4T68CAY	
	SM4T6V7AY	
	SM4T6V7CAY	
	SM4T7V6AY	
	SM4T82CAY	
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	SM50T7V0AY	
	SM50T7V5AY	
	SM50T82AY	
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	SM6T18CAY	

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	SM6T6V8CAY	
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	SM6T75CAY	
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	SM6T7V5CAY	
	SM6T82AY	
	SM6T82CAY	
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	SMA6T12AY	
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	SMA6T15CAY	
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	SMA6T22CAY	
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	SMA6T56AY	
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	SMA6T68AY	
	SMA6T68CAY	
	SMA6T6V7AY	
	SMA6T6V7CAY	
	SMA6T82AY	
	SMA6T82CAY	



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 Automotive TVS (Transient Voltage Suppressor) devices

PCN Reference : POWER AND DISCRETE PRODUCTS/24/14540

Subject : Public Products List

Dear Customer,

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

SM30T7.5CAY	SMA6T82AY	SMA6T56CAY
SM6T250CAY	SM30T6.8AY	SM50T30AY
SM30T26AY	SM4T35AY	SM4T23AY
SM30T28CAY	SM4T39CAY	SM4T50AY
SMA6T28CAY	SM30T12CAY	SM30T10CAY
SM4T15CAY	SMA6T24CAY	SMA6T22CAY
SMA6T24AY	SM6T6V8CAY	SM30T10AY
SM4T30CAY	SM4T47AY	SM30T26CAY
SM15T30CAY	SM6T42CAY	SM15T75CAY
SM15T15AY	SM30T28AY	SMA6T36AY
SM50T36AY	SMA6T22AY	SM6T75AY
SM4T6V7AY	SM30T82CAY	SM50T42AY
SM30T12AY	SM4T7V6CAY	SMA6T14CAY
SM30T117AY	SM6T82CAY	SM50T19AY
SM6T24AY	SMA6T30AY	SMA6T36CAY
SM4T10AY	SM4T26CAY	SM4T28CAY
SM15T68AY	SMA6T12CAY	SM6T18CAY
SMA6T30CAY	SM50T15AY	SMA6T18CAY
SM15T15CAY	SM6T27CAY	SMA6T10CAY
SMA6T7V6AY	SMA6T68CAY	SM4T12AY
SM6T47AY	SM4T33AY	SM15T22AY
SM30T30CAY	SM15T75AY	SM6T39AY
SM30T100CAY	SM50T68AY	SM50T28AY
SM6T27AY	SM15T10CAY	SM30T42AY
SM15T24CAY	SMA6T6V7CAY	SM15T6V8AY
SM50T10AY	SM6T42AY	SM6T68CAY
SM30T30AY	SM50T14AY	SM30T152CAY
SM6T6V8AY	SM50T13AY	SM50T7V5AY
SM6T10CAY	SM30T68CAY	SM15T36AY
SMA6T68AY	SM30T33CAY	SM15T7V5CAY
SM15T10AY	SMA6T12AY	SM6T16V5CAY
SM15T68CAY	SM6T22AY	SM30T180CAY
SM30T220CAY	SMA6T15AY	SM30T7.5AY
SM50T18AY	SM6T10AY	SMA6T15CAY
SMA6T33CAY	SM6T7V5AY	SM4T47CAY



Public Products List

SM15T36CAY	SM6T33CAY	SM30T6.8CAY
SM50T75AY	SM50T21AY	SM4T82CAY
SM4T28AY	SM30T23CAY	SM6T36AY
SM30T56AY	SM15T18CAY	SM30T68AY
SMA6T47AY	SM4T21CAY	SM30T220AY
SM4T56AY	SM4T15AY	SM4T12CAY
SM6T18AY	SM30T75AY	SM6T15CAY
SM30T82AY	SM4T56CAY	SM15T47CAY
SM4T39AY	SM6T68AY	SMA6T39AY
SM6T56AY	SM6T36CAY	SM6T24CAY
SM30T15CAY	SM15T47AY	SM50T82AY
SM15T18AY	SM50T33AY	SMA6T39CAY
SM15T33CAY	SM30T39AY	SM30T75CAY
SM30T21AY	SMA6T33AY	SM50T7V0AY
SM4T82AY	SM30T23AY	SM15T7V5AY
SM50T35AY	SM50T47AY	SM30T200CAY
SM30T117CAY	SM30T56CAY	SM6T33AY
SM30T35AY	SM30T15AY	SM50T39AY
SM30T152AY	SM4T30AY	SM15T33AY
SM6T47CAY	SM30T39CAY	SM15T39CAY
SMA6T82CAY	SM30T33AY	SMA6T7V6CAY
SM15T82AY	SM6T82AY	SM30T19CAY
SM4T33CAY	SM6T12CAY	SM50T6V8AY
SM4T68AY	SM30T180AY	SM4T68CAY
SM4T14AY	SM4T35CAY	SM30T100AY
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SM6T15AY	SM50T26AY	SM30T47AY
SM15T39AY	SM6T22CAY	SM4T21AY
SM6T56CAY	SM50T12AY	SM15T22CAY
SMA6T14AY	SM4T7V6AY	SM15T27AY
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SM6T30AY	SM15T82CAY	SMA6T6V7AY
SM4T6V7CAY	SM30T35CAY	SM6T75CAY
SM30T42CAY	SM30T18AY	SM4T50CAY
SM15T24AY	SM30T19AY	SM30T47CAY
SMA6T18AY	SMA6T10AY	SM50T56AY
SM6T12AY	SM15T56CAY	SM6T7V5CAY
SM4T18CAY	SM15T12AY	SM30T21CAY
SMA6T28AY	SM4T14CAY	SM15T30AY
SM30T18CAY	SM50T16AY	SMA6T56AY
SM15T56AY	SM15T12CAY	SM6T16V5AY
SM30T200AY	SM4T26AY	SM4T10CAY
SMA6T47CAY	SM6T39CAY	SM4T23CAY

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