


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	POWER AND DISCRETE PRODUCTS/24/14540	
<b>1.3 Title of PCN</b>	Die manufacturing process homogenization in ST Tours (France) for Automotive TVS (Transient Voltage Suppressor) devices	
<b>1.4 Product Category</b>	SM4TxxxY SMA6TxxxY SM6TxxxY SM15TxxxY SM30TxxxY SM50TxxxY	
<b>1.5 Issue date</b>	2024-04-15	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	KRAUSE INA
<b>2.1.2 Phone</b>	+49 89460062370
<b>2.1.3 Email</b>	ina.krause@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Stephane CHAMARD
<b>2.1.2 Marketing Manager</b>	Philippe LEGER
<b>2.1.3 Quality Manager</b>	Jean-Paul REBRASSE

**3. Change**

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

**4. Description of change**

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

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	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.
<b>5.2 Customer Benefit</b>	SERVICE CONTINUITY

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

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

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

**8. Qualification / Validation**

<b>8.1 Description</b>	14540 24003QRP.pdf		
<b>8.2 Qualification report and qualification results</b>	Available (see attachment)	<b>Issue Date</b>	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
	SM30T47CAY	
	SMA6T33CAY	
	SMA6T39CAY	
	SMA6T6V7AY	
	SM15T10AY	
	SM15T22CAY	
	SM15T24CAY	
	SM15T27AY	
	SM15T30AY	
	SM15T30CAY	
	SM15T33CAY	
	SM15T36AY	
	SM15T39AY	
	SM15T39CAY	
	SM15T47AY	
	SM15T68AY	
	SM15T6V8AY	
	SM15T7V5AY	
	SM15T7V5CAY	
	SM30T18CAY	
	SM30T21CAY	
	SM30T23CAY	
	SM30T28AY	
	SM30T28CAY	
	SM30T30CAY	
	SM30T39CAY	
	SM30T82CAY	
	SM4T10AY	
	SM4T12AY	
	SM4T14AY	
	SM4T23CAY	
	SM4T26AY	
	SM4T26CAY	
	SM4T35AY	
	SM4T50CAY	
	SM4T56AY	
	SM4T7V6CAY	
	SM4T82AY	
	SM6T10AY	
	SM6T10CAY	
	SM6T18AY	
	SM6T22AY	
	SM6T30AY	
	SM6T39AY	

	SM6T39CAY	
	SM6T42AY	
	SM6T47CAY	
	SM6T68AY	
	SM6T6V8CAY	
	SM6T75CAY	
	SM6T7V5AY	
	SM6T7V5CAY	
	SMA6T56CAY	
	SMA6T68AY	
	SMA6T82CAY	

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