


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	ADG/22/13321	
1.3 Title of PCN	Process rationalization for SiC 1200V diodes at ST Catania die manufacturing plant	
1.4 Product Category	SiC 1200V rectifiers diodes	
1.5 Issue date	2022-04-08	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	KRAUSE INA
2.1.2 Phone	+49 89460062370
2.1.3 Email	ina.krause@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
General Product & Design	Die redesign: Mask or mask set change with new die design - Design changes in active elements.	ST Microelectronics Catania - Italy

4. Description of change

	Old	New
4.1 Description	SiC 1200V	SiC 1200V with process rationalization (Top & Back metallization and passivation)
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No	

5. Reason / motivation for change

5.1 Motivation	In line with the commitment of ST Company to reinforce its leading position in the SiC Power Rectifiers market and to support strong SiC business increase, STMicroelectronics has decided to rationalize the manufacturing process of all SiC (Diodes metallization & passivation alignment versus SiC Mosfet).
5.2 Customer Benefit	CAPACITY INCREASE

6. Marking of parts / traceability of change

6.1 Description	Traceability of the change will be ensured by Finished Good/Type print on carton labels.
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7. Timing / schedule

7.1 Date of qualification results	2022-03-14
7.2 Intended start of delivery	2022-06-24
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	13321 22009QRP.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2022-04-08

9. Attachments (additional documentations)

13321 Public product.pdf
13321 SiC 1200V process rationalization.pdf
13321 22009QRP.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
	STPSC10H12B2-TR	
	STPSC10H12G2-TR	
	STPSC10H12G2Y-TR	
2723356	STPSC15H12D	
	STPSC15H12G2-TR	
	STPSC15H12G2Y-TR	
2809287	STPSC15H12WL	
2760450	STPSC20H12CWL	
3018773	STPSC20H12CWY	
2723358	STPSC20H12D	
	STPSC20H12G2-TR	
3498801	STPSC2H12B2Y-TR	

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