


**PRODUCT / PROCESS CHANGE NOTIFICATION**

**1. PCN basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCN No.</b>	ADG/22/13222	
<b>1.3 Title of PCN</b>	M series 1200V 40A IGBT TFS pad layout change	
<b>1.4 Product Category</b>	IGBT	
<b>1.5 Issue date</b>	2022-01-24	

**2. PCN Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	ROBERTSON HEATHER
<b>2.1.2 Phone</b>	+1 8475853058
<b>2.1.3 Email</b>	heather.robertson@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Angelo RAO
<b>2.1.2 Marketing Manager</b>	Natale Sandro D'ANGELO
<b>2.1.3 Quality Manager</b>	Vincenzo MILITANO

**3. Change**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
General Product & Design	Die redesign: Mask or mask set change with new die design – Pad modification (sizes, vertical structure, metal thickness)	Catania 8"

**4. Description of change**

	<b>Old</b>	<b>New</b>
<b>4.1 Description</b>	Gate pad of M series 1200V 40A IGBT TFS is currently positioned at the center of the die	Gate pad of M series 1200V 40A IGBT TFS will be moved to lateral position
<b>4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?</b>	no change on form, fit and performance	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	Wire bonding optimization
<b>5.2 Customer Benefit</b>	SERVICE IMPROVEMENT

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

<b>6.1 Description</b>	By internal traceability and dedicated FG code
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2022-01-18
<b>7.2 Intended start of delivery</b>	2022-04-18
<b>7.3 Qualification sample available?</b>	Upon Request

**8. Qualification / Validation**

<b>8.1 Description</b>	13222 RERPTD22008_1.0_STGWA40M120DF3_STGW40M120DF3_KLJR01__ New layout for wire optimization.pdf		
<b>8.2 Qualification report and qualification results</b>	Available (see attachment)	<b>Issue Date</b>	2022-01-24

**9. Attachments (additional documentations)**

13222 Public product.pdf  
13222 M series 1200V 40A IGBT TFS pad layout change.docx  
13222 RERPTD22008\_1.0\_STGWA40M120DF3\_STGW40M120DF3\_KLJR01\_\_New layout for wire optimization.pdf  
13222 Layout comparison.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
	STGW40M120DF3	
	STGWA40M120DF3	



## 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 :** M series 1200V 40A IGBT TFS pad layout change

**PCN Reference :** ADG/22/13222

**Subject :** Public Products List

Dear Customer,

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

STGW40M120DF3	STGWA40M120DF3	STG40M120F3D7
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