


PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	ADG/21/12684	
1.3 Title of PCN	SPC58x (FC70,FC80): TQFP-144 Package Update (Capacity Increase)	
1.4 Product Category	see list	
1.5 Issue date	2021-03-15	

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	Luca RODESCHINI
2.1.2 Marketing Manager	Matteo MOIOLI
2.1.3 Quality Manager	Alberto MERVIC

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Materials	(Not Defined)	ST Kirkop (Malta)

4. Description of change

	Old	New
4.1 Description	Lead Frame Single Row Lead Frame Finishing Ni/Pd/Au (PrePlatedFrame) Mold Compound SUMITOMO EME G700LS	Lead Frame Dual Row Lead Frame Finishing Ni/Pd/Au-Ag (PrePlatedFrame) Mold Compound SUMITOMO EME G700SLS-A
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No Impact	

5. Reason / motivation for change

5.1 Motivation	Capacity increase (from single to dual row leadframe)
5.2 Customer Benefit	CAPACITY INCREASE

6. Marking of parts / traceability of change

6.1 Description	Dedicated Finished Good Codes
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7. Timing / schedule

7.1 Date of qualification results	2021-06-30
7.2 Intended start of delivery	2021-07-15
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description			
8.2 Qualification report and qualification results	In progress	Issue Date	

9. Attachments (additional documentations)

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
	SPC584B70E5EHC0X	
	SPC58EC80E5QMC0Y	

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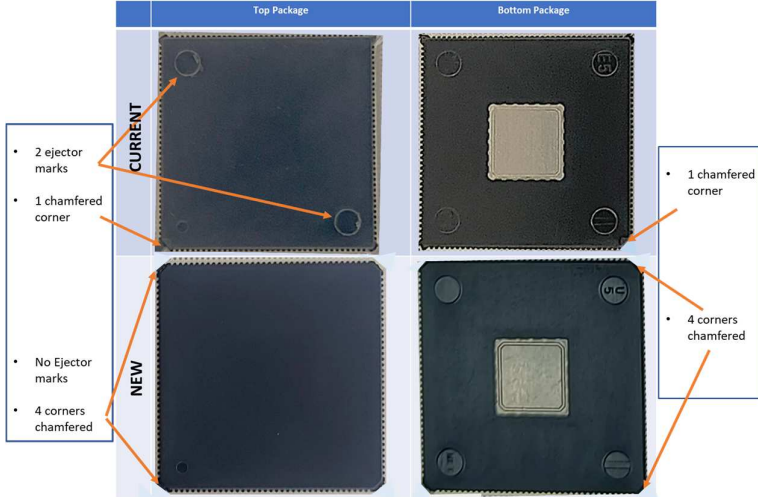
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PRODUCT/PROCESS CHANGE NOTIFICATION

TITLE	SPC58x (FC70,FC80): TQFP-144 Package Update (Capacity Increase)												
IMPACTED PRODUCTS	ST silicon lines FC70 (Chorus2M) and FC80 (Chorus4M) assembled in TQFP 144 20x20x1.0 ExpadDown package												
MANUFACT. STEP	Assembly												
INVOLVED PLANT	ST Kirkop Plant (Malta)												
CHANGE REASON	Capacity increase (from single to dual row leadframe)												
CHANGE DESCRIPTION	<div>Package upgrade based on bill of material improvements:</div> <table><thead><tr><th>MATERIAL</th><th>CURRENT</th><th>NEW</th></tr></thead><tbody><tr><td>LF Frame Matrix</td><td>Single Row</td><td>Dual Row</td></tr><tr><td>LF Finishing</td><td>PPF Ni-Pd-Au</td><td>PPF Ni-Pd-AuAg</td></tr><tr><td>Resin</td><td>G700SLS</td><td>G700SLS-A</td></tr></tbody></table> <div>New leadframe matrix leads to different package visual appearance, as per below picture:</div> <div></div>	MATERIAL	CURRENT	NEW	LF Frame Matrix	Single Row	Dual Row	LF Finishing	PPF Ni-Pd-Au	PPF Ni-Pd-AuAg	Resin	G700SLS	G700SLS-A
MATERIAL	CURRENT	NEW											
LF Frame Matrix	Single Row	Dual Row											
LF Finishing	PPF Ni-Pd-Au	PPF Ni-Pd-AuAg											
Resin	G700SLS	G700SLS-A											
TRACEABILITY	Dedicated Finished Good code (internal part number)												

Change activation requested upon qualification completion (June 2021)



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 : SPC58x (FC70,FC80): TQFP-144 Package Update (Capacity Increase)

PCN Reference : ADG/21/12684

Subject : Public Products List

Dear Customer,

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

SPC584B60E5EDC0X	SPC584B70E5EHC0X	SPC58EC80E5EMC0X
SPC58EC80E5QMC0Y	SPC58EC80E5QMC0X	SPC584B60E5CD00X
SPC584B70E5NMC0X	SPC584B70E5CD00X	SPC584B70E5NHC0X
SPC584B70E5EMC0X	SPC58EC80E5FMC0X	



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