

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.		ADG/18/10932
1.3 Title of PCN		STripFET™ F7 60V Capacity Extension to HHG Subcon
1.4 Product Category		STripFET™ F7 60V
1.5 Issue date		2018-06-12

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	Riccardo NICOLOSO
2.2.2 Marketing Manager	Marcello SGROI
2.2.3 Quality Manager	Vincenzo MILITANO

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Transfer	Line transfer for a full process or process brick (process step, control plan, recipes) from one site to another site: Wafer fabrication	HHGrace Subcon

4. Description of change

	Old	New
4.1 Description	STripFET™ F7 60V produced in Catania	STripFET™ F7 60V produced in ST Catania and HHGrace Subcon
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No Impact in terms of electrical, physical and functional aspects	

5. Reason / motivation for change

5.1 Motivation	Capacity Extension and improvement in Flexibility to better manage the customer orders
5.2 Customer Benefit	CAPACITY INCREASE

6. Marking of parts / traceability of change

6.1 Description	by Q.A. number
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7. Timing / schedule

7.1 Date of qualification results	2018-05-31
7.2 Intended start of delivery	2018-08-30
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	10932 Rel13-18.pdf	
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date 2018-06-12

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
	STD140N6F7	
	STF100N6F7	
	STF140N6F7	
	STL140N6F7	
	STL220N6F7	
	STL50DN6F7	
	STP100N6F7	
	STP140N6F7	
	STP220N6F7	
	STL130N6F7	

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Automotive Discrete Group (ADG)
Power Transistor Division

Process Change Information

STripFET™ F7 60V Capacity Extension in HHGrace (China) FAB

Dear Customer,

Following the continuous improvement of our service and in order to increase productivity, we are pleased to announce that STripFET™ F7 (OFT) 60V technology wafers, currently manufactured in Catania will be also produced in one of our Subcontractor HHGrace ST's FAB based in China.

The wafers produced in HHGrace, guarantee the same quality and electrical characteristics as per current production.

In the next pages, we are reporting the qualification plan to reach full maturity.

The change has been classified as **Class 1** according to the ZVEI and ST internal rules.

Assessment of impact on Supply Chain regarding following aspects		Remaining risks on Supply Chain?	
ID	Type of change	No	Yes
SEM-PW-13	Move of all or part of wafer fab to a different location/site/subcontractor	P	P

The qualification has been already completed

Sincerely Yours!

STripFET™ F7 60V Capacity Extension in HHGrace (China) FAB

ST Part number:	ST PN: STripFET™ F7 60V (OFT60) Package: All the Packages																	
Reason and background of the change	To increase flexibility by improving capacity avoiding the risk for the customer to line down due to lack of silicon at FE level.																	
Detailed description of change(s), including affected type of changes	The Diffusion Process and Wafer Testing for STripFET™ F7 (OFT) 60V technology to be performed also in HHGrace FAB.																	
Impact on form, fit, function, or reliability.	No Impact																	
Datasheet	No Impact																	
Benefit of the change	Capacity and flexibility increase.																	
Planned Implementation date for change	<p>The qualification has been performed according to the following plan:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: black; color: white;"> <th style="text-align: left; padding: 2px;">Test Vehicles</th> <th style="text-align: left; padding: 2px;">Package</th> <th style="text-align: left; padding: 2px;">N. of Lots</th> <th style="text-align: left; padding: 2px;">Type of verification</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">STP220N6F7</td> <td style="padding: 2px;">TO220</td> <td style="padding: 2px;">3</td> <td rowspan="4" style="vertical-align: middle; padding: 2px;">• Full electrical characterization • Full reliability</td> </tr> <tr> <td style="padding: 2px;">STL36DN6F7</td> <td style="padding: 2px;">PowerFLAT™ 5x6 DI</td> <td style="padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;">STL220N6F7</td> <td style="padding: 2px;">PowerFLAT™ 5x6 SI</td> <td style="padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;">STL130N6F7</td> <td style="padding: 2px;"></td> <td style="padding: 2px;">1</td> </tr> </tbody> </table>	Test Vehicles	Package	N. of Lots	Type of verification	STP220N6F7	TO220	3	• Full electrical characterization • Full reliability	STL36DN6F7	PowerFLAT™ 5x6 DI	1	STL220N6F7	PowerFLAT™ 5x6 SI	1	STL130N6F7		1
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STL130N6F7		1																



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 : STripFET™ F7 60V Capacity Extension to HHG Subcon

PCN Reference : ADG/18/10932

Subject : Public Products List

Dear Customer,

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

STD140N6F7	STL220N6F7	STL140N6F7
STP140N6F7	STF140N6F7	STP220N6F7
STP100N6F7	STL50DN6F7	STF100N6F7
STL130N6F7		



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