

Automotive Discrete Group (ADG)
Power Transistor Division

Process Change Information

**N-Channel STripFET™ 2nd Generation Product STD12NF06LT4
Capacity Extension in ST's Ang Mo Kio (Singapore) FAB**

Dear Customer,

Following the continuous improvement of our service and in order to increase productivity, we are pleased to announce that N-Channel STripFET™ 2nd Generation product STD12NF06LT4, currently manufactured in Catania will be also produced in ST's Ang Mo Kio (Singapore) FAB.

The wafers produced in Ang Mo Kio (Singapore) FAB, 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?	
- contractual agreements - technical interface of processability / manufacturability of customer - form, fit, function, quality performance, reliability			
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 of the change will be completed according the qualification plan reported in the following pages.

Sincerely Yours!

**N-Channel STripFET™ 2nd Generation Products
Capacity Extension in ST's Ang Mo Kio (Singapore) FAB**

ST Part number:	ST PNs: STD12NF06LT4 Package: DKPAK BE: All																		
Reason and background of the change	To increase flexibility and increase Capacity																		
Detailed description of change(s), including affected type of changes	The Diffusion Process and Wafer Testing for N-Channel STripFET™ 2 nd Generation product STD12NF06LT4 will be performed also in ST's Ang Mo Kio (Singapore) FAB.																		
Impact on form, fit, function, or reliability.	No Impact																		
Datasheet	No Impact																		
Benefit of the change	Capacity and flexibility increase.																		
Qualification Plan and Implementation date for change	<p>The qualification will be completed according to the following plan:</p> <table border="1"> <thead> <tr> <th>Test Vehicles</th> <th>N. of Lots</th> <th>Reliability Plan</th> <th>Parametric Verification</th> <th>Forecast (wk)</th> </tr> </thead> <tbody> <tr> <td>STD30NF06LT4</td> <td>1</td> <td>Complete</td> <td>X</td> <td rowspan="3">Wk 39/2018</td> </tr> <tr> <td>STB60NF06T4</td> <td>2</td> <td>Complete According AEC-Q101</td> <td>X</td> </tr> <tr> <td>STD25NF10LT4</td> <td>3</td> <td>Complete According AEC-Q101</td> <td>X</td> </tr> </tbody> </table> <p>Planned Implementation Date → wk 39/2018 Planned First Shipment Date → wk 01/2019</p>	Test Vehicles	N. of Lots	Reliability Plan	Parametric Verification	Forecast (wk)	STD30NF06LT4	1	Complete	X	Wk 39/2018	STB60NF06T4	2	Complete According AEC-Q101	X	STD25NF10LT4	3	Complete According AEC-Q101	X
Test Vehicles	N. of Lots	Reliability Plan	Parametric Verification	Forecast (wk)															
STD30NF06LT4	1	Complete	X	Wk 39/2018															
STB60NF06T4	2	Complete According AEC-Q101	X																
STD25NF10LT4	3	Complete According AEC-Q101	X																
Traceability Information	By QA Number																		
PPAP Update	N/A																		