

Automotive Discrete Group (ADG)  
Power Transistor Division

**Process Change Information**

**STD30NF06LAG and STD30NF06LT4  
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™ 2<sup>nd</sup> Generation Automotive products STD30NF06LAG and STD30NF06LT4, 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.

<b>Assessment of impact on Supply Chain regarding following aspects</b> - contractual agreements - technical interface of processability / manufacturability of customer - form, fit, function, quality performance, reliability		<b>Remaining risks on Supply Chain?</b>	
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!

<b>N STD30NF06LAG and STD30NF06LT4 Capacity Extension in ST's Ang Mo Kio (Singapore) FAB</b>																							
<b>ST Part number:</b>	ST PNs: <b>File Attached to Notification</b> Package: <b>DPAK</b> BE: <b>All</b>																						
<b>Reason and background of the change</b>	To increase flexibility and increase Capacity																						
<b>Detailed description of change(s), including affected type of changes</b>	The Diffusion Process and Wafer Testing for the N-Channel STripFET™ 2 <sup>nd</sup> Generation Automotive products STD30NF06LAG and STD30NF06LT4 will be performed also in ST's Ang Mo Kio (Singapore) FAB.																						
<b>Impact on form, fit, function, or reliability.</b>	No Impact																						
<b>Datasheet</b>	No Impact																						
<b>Benefit of the change</b>	Capacity and flexibility increase.																						
<b>Qualification Plan and Implementation date for change</b>	<p>The qualification will be completed according to the following plan:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Test Vehicles</th> <th style="text-align: center;">N. of Lots</th> <th style="text-align: left;">Reliability Plan</th> <th style="text-align: center;">Parametric Verification</th> <th style="text-align: center;">Forecast (wk)</th> </tr> </thead> <tbody> <tr> <td>STD30NF06LT4</td> <td style="text-align: center;">1</td> <td>Complete According AEC-Q101</td> <td style="text-align: center;">X</td> <td rowspan="4" style="text-align: center; vertical-align: middle;">Wk 39/2018</td> </tr> <tr> <td>STB60NF06T4</td> <td style="text-align: center;">2</td> <td>Complete According AEC-Q101</td> <td style="text-align: center;">X</td> </tr> <tr> <td>STD25NF10LT4</td> <td style="text-align: center;">3</td> <td>Complete According AEC-Q101</td> <td style="text-align: center;">X</td> </tr> <tr> <td>STB75NF75LT4</td> <td style="text-align: center;">3</td> <td>Complete According AEC-Q101</td> <td style="text-align: center;">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 According AEC-Q101	X	Wk 39/2018	STB60NF06T4	2	Complete According AEC-Q101	X	STD25NF10LT4	3	Complete According AEC-Q101	X	STB75NF75LT4	3	Complete According AEC-Q101	X
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<b>Traceability Information</b>	By QA Number																						
<b>PPAP Update</b>	On demand after official qualification (by week 39/2018)																						