

## Automotive Discrete Group (ADG) Power Transistor Division

## **Process Change Information**

## Capacity Extension for PowerFLAT<sup>™</sup> Products in Tong Fu Microelectronics

Dear Customer,

Following the continuous improvement of our service and in order to increase productivity, we are pleased to announce that PowerFLAT<sup>TM</sup> products, currently manufactured in our ST's Shenzhen back end will be also produced in one of our qualified back end subcontractors, Tong Fu Microelectronics based in China (TFME).

The parts produced in TFME 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 ST internal rules.

The qualification of the change is currently in progress and we forecast to complete it by wk 26/2018

Sincerely Yours!

Capacity Extension for PowerFLAT™ Products in Tong Fu Microelectronics								
ST Part number:	ST PNs: Attached in a separate file Package: PowerFLAT <sup>TM</sup>							
Reason and background of the change	To allow flexibility and increase Capacity							
Detailed description of change(s), including affected type of changes	Industrial PowerFLAT <sup>TM</sup> products both with Ribbon and Clip bonding solution, currently manufactured in our ST's Shenzhen back end will be also produced in one of our qualified back end subcontractors, Tong Fu Microelectronics based in China (TFME).							
Impact on form, fit, function, or reliability.	No Impact							
Datasheet	No Impact							
Benefit of the change	Capacity and flexibility increase.							
	The qualification w Test Vehicles STL90N6F7 STL130N6F7 STL140N6F7 STL40N10F7 STL40N10F7 STL56N3LLH5 STL60P4LLF6	N. of   Lots   1   1   1   1   1   1   1   1	ompleted accoReliability PlanCompleteCompleteCompleteCompleteCompleteCompleteCompleteCompleteCompleteComplete	Ū	l l	lan: arametric Verification X X X X X X X X X X	Forecast (wk) Wk 26	
Qualification Plan and Implementation date for change	<u>Reliability Plan</u> <u>Note</u> : PC = Precondition Planned Samples A Planned Implement	vailabi ation E	Date $\rightarrow$ wk 27/2		<b>Steps</b> 168, 500, 1000hr 168, 500, 1000hr 100, 200, 500cy 96H 168, 500, 1000hr 8.6Kcy	S		
Traceability Information	Planned Shipment Date → wk 31/2018 By QA Number							