### PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data		
1.1 Company	<b>577</b>	STMicroelectronics International N.V
1.2 PCN No.		APG/14/9004
1.3 Title of PCN		VIPower housed in PowerSO-30: Wire Sagging Improvement
1.4 Product Category		VIPower products housed in PowerSSO-36 (VH01/VH02/VH21 lines)
1.5 Issue date		2014-12-03

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	
2.1.2 Marketing Manager	Nicola LIPORACE	
2.1.3 Quality Manager	Francesco MINERVA	

3. Change		
3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Materials	New direct material part number (same supplier, different supplier or new supplier), lead frame, resin, wire, ?)	MU1AST MUAR - MALAYSIA

4. Description of change			
Old New			
4.1 Description	Lead frame design: Floating die attach paddle - Corner leads not fused together	Lead frame design: Corner leads fused together	
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No Impact in Functionand Realiability		

5. Reason / motivation for change		
	In ordert o improve quality a modification of lead frame has been implemented. Corner leads are fused toghether in order to improve wire sagging and to avoid pad tilt/movement during handling	
5.2 Customer Benefit	QUALITY IMPROVEMENT	

6. Marking of parts / traceability of change		
6.1 Description	Dedicated Finished-Good codes	

7. Timing / schedule		
7.1 Date of qualification results	2014-11-13	
7.2 Intended start of delivery	2015-05-13	
7.3 Qualification sample available?	Upon Request	

8. Qualification / Validation			
8.1 Description RR002714CT2235_01_VH01_MPSO30_Frame change for sagging wires.pdf			
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2014-12-03

## 9. Attachments (additional documentations)

9004PpPrdtLst.pdf RR002714CT2235\_01\_VH01\_MPSO30\_Frame change for sagging wires.pdf description.pdf

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	
	VND5004BSP30TR-E		
	VND5E004A30TR-E		
	VNH2SP30TR-E		
	VNH3ASP30-E		
	VNH3ASP30TR-E		
	VNH3SP30TR-E		
	VNH5019ATR-E		

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# **Public Products List**

PCN Title: VIPower housed in PowerSO-30: Wire Sagging Improvement

PCN Reference: APG/14/9004
PCN Created on: 13-Nov-2014

Subject: Public Product List

Dear Customer,

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

VND5E004A30TR-E	VND5004ASP30-E	VND5004BSP30TR-E
VND5004BSP30-E	VND5004ASP30TR-E	VND5E004A30-E
VNH2SP30TR-E	VNH2SP30-E	VNH5019A-E

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