

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.		AMS/18/11029
1.3 Title of PCN		Power Management BU: Alternative die for TL431CDT
1.4 Product Category		Voltage reference - TL431CDT
1.5 Issue date		2018-09-07

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	Lorenzo NASO
2.1.2 Marketing Manager	Marcello SAN BIAGIO
2.1.3 Quality Manager	Jean-Marc BUGNARD

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
General Product & Design	(Not Defined)	Front end : ST AMK Singapore

4. Description of change

	Old	New
4.1 Description	Mask Set 0431A	Mask Set 0431A and Mask Set M431A
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	No changes of the Electrical Characteristics and Quality.	

5. Reason / motivation for change

5.1 Motivation	Following ST's commitment toward a continuous improvement philosophy, we are pleased to announce the introduction of an alternative die, using the same technology (HBIP40) and same wafer fab (ST AMK Singapore) for the Voltage references TL431CDT. This change will increase our manufacturing flexibility and allow us to improve our customer delivery support.
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	The traceability of the new parts will be ensured by different internal codification and QA number
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7. Timing / schedule

7.1 Date of qualification results	2018-07-26
7.2 Intended start of delivery	2018-12-10
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	11029 REL 6043-066W-13_M431_TL1431AC TL1431C_HBIP40-Volt.Ref.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2018-09-07

9. Attachments (additional documentations)

11029 Public product.pdf
11029 REL 6043-066W-13_M431_TL1431AC_TL1431C_HBIP40-Volt.Ref.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
TL431CDT	TL431CDT	

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