

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	MDG/16/9788	
1.3 Title of PCN	STM32L04x 32K products - minor revision	
1.4 Product Category	STM32L03x STM32L04x products	
1.5 Issue date	2016-05-11	

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	Michel BUFFA
2.1.2 Marketing Manager	Daniel COLONNA
2.1.3 Quality Manager	Pascal NARCHE

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Die redesign	Mask or mask set change with new die design	NA

4. Description of change

	Old	New
4.1 Description	Dice with revisions B & Y.	Die with revision X.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	no change	

5. Reason / motivation for change

5.1 Motivation	The product is robust and qualified in line with its datasheet specifying 4.0V on VDD Absolute Maximum Rating parameter. Nevertheless, we observed that some very specific applications could have VDD going above this 4.0V maximum and may cause permanent damage to the device as mentioned in the datasheet. Even if such applications having a VDD above 4.0V are not guaranteed by the product datasheet, we managed to reduce by design the stress applied to the most exposed active structures of the product in case of Electrical Overstress. By precautionary principle, we are proposing this design robustness improvement in the next version X of this product.
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	The die revision changes. It is marked on packages of the part.
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7. Timing / schedule

7.1 Date of qualification results	2016-07-11
7.2 Intended start of delivery	2016-08-11
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	PCN9788- RERMCD1413 reliability plan.pptx		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2016-05-11

9. Attachments (additional documentations)
9788PpPrdtLst.pdf PCN9788- RERMCD1413 reliability plan.pptx

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
	STM32L031K6T7	

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